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State of Australian
University Research
Volume 1 ERA National Report

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University Research
Volume 1 ERA National Report

MINISTER'S FOREWORD



I am pleased to present the *State of Australian University Research 2015–16: Volume 1 ERA National Report* (ERA 2015), a comprehensive assessment, by discipline, of the quality of research conducted in Australia's higher education institutions.

In Australia, and around the world, high quality research is driving innovation that saves lives, answers social and environmental imperatives, improves economic productivity and growth, and creates the jobs of the future. The Australian Government will invest \$9.7 billion in 2015–16 into research across education, industry, health, defence, environment and agriculture that will help ensure the Australia of the future is agile, creative and innovative, and able to compete with the best in the world.

ERA 2015's internationally benchmarked data shows that Australia's research effort, conducted in universities across the nation and in every broad discipline group, continues to perform well—above world standard.

It also showcases the rich research diversity, strength and excellence across the spectrum of Australian universities.

With ERA 2015, Australia now has longitudinal data on our research effort since 2003 — an invaluable resource for universities, industry and other users of research, and policymakers.

This will be used to help map progress in meeting the Australian Government's Science and Research Priorities, and corresponding Practical Research Challenges.

ERA is also a quality assurance mechanism for Australia's universities, which reported \$9.9 billion in research income between 2011 and 2013.

Encouraging stronger incentives for research–industry collaboration and better translating research into commercial outcomes — as promoted by the Government's Boosting the Commercial Returns from Research strategy — is a high priority so as to maximise the economic and social outcomes of Australia's high-quality research.

I congratulate the Australian Research Council and all of the universities that contributed to ERA 2015 for their commitment to Australian research investment, performance, and discovery.

A handwritten signature in blue ink, reading "Simon Birmingham".

Senator the Hon Simon Birmingham
Minister for Education and Training

CEO'S FOREWORD



This is the inaugural *State of Australian University Research 2015–16*.

In the past, the ARC has released the ERA results through an ERA National Report and Volume 1 of this *State of Australian University Research 2015–16* continues that tradition. It comprehensively details the quality of Australian university research benchmarked against world standards.

With three rounds of ERA now complete, this unique dataset covers all Australian university research outputs, staffing and activity from 2003 to 2013, and research income and research application data from 2006 to 2013.

Over the coming year the ARC will produce additional volumes based on analyses of this longitudinal data, which will provide further insights into the state of Australian university research. Volume 2 will be released in April 2016.

ERA is the primary mechanism to assure Government of its research investment in Australian universities.

ERA 2015 results clearly demonstrate that Australian universities are diverse and that much of their research meets world standard or better.

This report identifies the excellence in research across a broad range of universities and the outstanding performances in areas of specialisation. Overall the quality of Australian university research continues to improve.

The data also shows solid growth of the sector from the previous ERA round. For ERA 2015 data for over 430,000 unique research outputs and 67,000 researchers was collected from the 41 participating universities. There were 2,460 units of evaluation assessed, including 1,802 four-digit and 658 two-digit disciplines.

ERA would not be possible without the support the ARC receives from the sector. In addition to sector-wide consultations to help refine the ERA 2015 process and the work of all universities during the submission stages, there were 155 Research Evaluation Committee members and about 1,300 peer reviewers from Australia and overseas appointed to conduct the evaluations.

This strong sector engagement maintains the confidence that ERA is the most rigorous and effective measure of research quality in Australia's universities. I would like to take this opportunity to thank all those involved at various stages of the ERA process and in particular the ARC ERA staff.

I strongly encourage universities, industry and other research users to make use of the valuable information that ERA provides.

A handwritten signature in black ink, appearing to read 'Aidan Byrne'.

Professor Aidan Byrne

Chief Executive Officer

Australian Research Council

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ABBREVIATIONS

AIATSIS	Australian Institute of Aboriginal and Torres Strait Islander Studies
ANZSRC	Australian and New Zealand Standard Research Classification (ANZSRC) 2008
ARC	Australian Research Council
BB	Biological and Biotechnological Sciences discipline cluster/Research Evaluation Committee
CRC	Cooperative Research Centre
EC	Economics and Commerce discipline cluster/Research Evaluation Committee
EE	Engineering and Environmental Sciences discipline cluster/Research Evaluation Committee
EHS	Education and Human Society discipline cluster/Research Evaluation Committee
EPO	European Patent Office
ERA	Excellence in Research for Australia
FoR	Fields of Research (ANZSRC)
FTE	Full-Time Equivalent
HCA	Humanities and Creative Arts discipline cluster/Research Evaluation Committee
HERDC	Higher Education Research Data Collection
HESDC	Higher Education Staff Data Collection
JPO	Japan Patent Office
MHS	Medical and Health Sciences discipline cluster/Research Evaluation Committee
MIC	Mathematical, Information and Computing Sciences discipline cluster/Research Evaluation Committee
NHMRC	National Health and Medical Research Council
NTRO	Non-traditional research outputs
PBRs	Plant Breeder's Rights
PCE	Physical, Chemical and Earth Sciences discipline cluster/Research Evaluation Committee
REC	Research Evaluation Committee
SRE	Sustainable Research Excellence
UoE	Unit of Evaluation
USPTO	United States Patent and Trademark Office

GUIDE TO THE REPORT

The *State of Australian University Research 2015–16: Volume 1 ERA National Report* presents a comprehensive assessment by discipline of the quality of research activity conducted in Australia's higher education institutions. This volume provides information on the discipline-specific research activity of each eligible Australian higher education institution (see **Appendix 1: Eligible Institutions**), and the contribution of each discipline to the national landscape.

The *ERA National Report* is divided into six sections which are listed below:

- › The **Introduction** provides an overview of the ERA framework and methodology
- › **Section 1: ERA 2015 National Overview** provides a national summary of world standard research performance, a summary of all data submitted for the purposes of the ERA evaluation, some comparative data for ERA 2010, ERA 2012 and ERA 2015, and some preliminary analysis of the ERA 2015 submission data
- › **Section 2: Overview by Two-Digit Fields of Research (FoR) Code** provides a summary of two-digit FoR codes for the suite of indicators presented in ERA
- › **Section 3: Results by Fields of Research (FoR) Code** provides a summary of evaluation outcomes and data for each FoR code, including key volume and activity information and ERA rating outcomes
- › **Section 4: National Profiles by Fields of Research Code** provides a detailed breakdown of ERA data by two- and four-digit FoR codes
- › **Section 5: ERA 2015 Institution Report** provides the ERA ratings for each assessable Unit of Evaluation (UoE) for each of the 41 institutions eligible for ERA.

Enquiries about the *State of Australian University Research 2015–16: Volume 1 ERA National Report* should be directed to:

Leanne Harvey

Executive General Manager
Australian Research Council
Tel +61 (02) 6287 6755
Email era@arc.gov.au

This report is available on the ARC website at: arc.gov.au/excellence-research-australia

If you have issues with obtaining any information or document on our website, please contact the ARC on +61 (02) 6287 6600 or web@arc.gov.au.

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Introduction

In 2015, the Australian Research Council (ARC) conducted the third full Excellence in Research for Australia (ERA) evaluation. The evaluation collected data regarding the quality of research activity undertaken at all eligible higher education research institutions¹ within the ERA 2015 reference period. These data were then evaluated by eight Research Evaluation Committees (RECs), established at a discipline cluster level, and comprised of distinguished and internationally-recognised researchers with expertise in research evaluation.²

This National Report provides an overview of the data collected and the outcomes of the ERA 2015 evaluation process.

Objectives of ERA

ERA aims to identify and promote excellence across the full spectrum of research activity, including both discovery and applied research, within Australian higher education institutions.

The objectives of ERA are to:

1. establish an evaluation framework that gives government, industry, business and the wider community assurance of the excellence of research conducted in Australia's higher education institutions
2. provide a national stocktake of discipline-level areas of research strength and areas where there is opportunity for development in Australia's higher education institutions
3. identify excellence across the full spectrum of research performance
4. identify emerging research areas and opportunities for further development
5. allow for comparisons of Australia's research nationally and internationally for all discipline areas.

Use of Information from ERA

ERA provides Government, universities, industry, and prospective students with valuable information about research performance in Australian universities. For example, ERA data and outcomes:

- › inform a range of advice to Government across the various portfolios of Government
- › assist universities with strategic planning
- › inform funding allocations for Sustainable Research Excellence in Universities (SRE) block grants
- › specifically inform the development of research policy in Government and the wider sector, including:
 - › Research Engagement for Australia: Measuring Research Engagement between Universities and End Users (Australian Academy of Technological Sciences and Engineering)
 - › Mapping Australia's Science and Research Priorities (Department of Industry and Science)
 - › Mapping the Humanities, Arts and Social Sciences in Australia (Australian Academy of the Humanities)
 - › Development of the Defence Trade Controls Act (Department of Defence)
 - › Draft National Strategy for International Education (Department of Education and Training).

¹ See **Appendix 1** for a list of eligible institutions.

² A list of ERA 2015 REC members is available at: arc.gov.au/era-2015-research-evaluation-committee-rec-members

Definition of Research

For the purposes of ERA, research is defined as the creation of new knowledge and/or the use of existing knowledge in a new and creative way so as to generate new concepts, methodologies, inventions and understandings. This could include synthesis and analysis of previous research to the extent that it is new and creative.

Institutions must ensure that all research outputs submitted to ERA meet this definition of research. Outputs that do not meet this definition may be excluded from submissions during the ERA submission process or, where they are not excluded from submissions, their inclusion may adversely affect the quality rating assigned by RECs during the evaluation process.

Fields of Research (FoR) Codes

For the purposes of ERA, disciplines are defined as two- and four-digit Fields of Research (FoRs) codes as identified in the *Australia and New Zealand Standard Research Classification (ANZSRC) 2008* released by the Australian Bureau of Statistics and Statistics New Zealand. The ANZSRC provides 22 two-digit FoR codes, 157 four-digit FoR codes, and an extensive range of six-digit codes.

The FoR codes as used in ERA 2015 are listed in **Appendix 2**. ERA undertakes evaluation at both the two- and four-digit FoR code level. Institutions submitted data to ERA at the four-digit level and these were aggregated to form the two- and four-digit Units of Evaluation (UoEs).

The two-digit FoR code is the highest level of the ANZSRC hierarchy; it relates to a broad discipline field, for example, Physical Sciences (02) or History and Archaeology (21). A two-digit FoR code consists of a collection of related four-digit FoR codes.

The four-digit FoR code is the second level of the ANZSRC hierarchy and relates to a specific discipline field of a two-digit FoR code. For example, Astronomical and Space Sciences (0201) or Archaeology (2101).

ERA 2015 Reference Periods

Data for the following reference periods was collected for ERA 2015:

Data Type	Reference Period	Years
Research Outputs	1 January 2008 – 31 December 2013	6
Research Income	1 January 2011 – 31 December 2013	3
Applied Measures	1 January 2011 – 31 December 2013	3
Esteem Measures	1 January 2011 – 31 December 2013	3
Staff Eligibility Period	As at 31 March 2014	Census Date

ERA 2015 Evaluation Process

Evaluation of data submitted for ERA 2015 was undertaken by eight Research Evaluation Committees (RECs),³ broadly representative of eight discipline clusters. The ERA 2015 Research Evaluation Committees were comprised of 155 individual distinguished and internationally recognised researchers from Australia and overseas, with expertise in their fields and in research evaluation.

Further details concerning the ERA 2015 Evaluation process, including moderation and conflict of interest procedures, can be found in the *ERA 2015 Evaluation Handbook*.⁴

ERA 2015 Discipline Clusters

The ERA 2015 evaluation collected data and undertook evaluations across eight discipline clusters. Discipline clusters are a construct developed primarily to assist in balancing workload across the various FoR codes. The discipline clusters for ERA 2015 are:

- › Biological and Biotechnological Sciences (BB)
- › Humanities and Creative Arts (HCA)
- › Economics and Commerce (EC)
- › Education and Human Society (EHS)
- › Engineering and Environmental Sciences (EE)
- › Mathematical, Information and Computing Sciences (MIC)
- › Medical and Health Sciences (MHS)
- › Physical, Chemical and Earth Sciences (PCE).

See **Appendix 2** for a full list of FoR codes and their discipline cluster for ERA 2015 purposes.

ERA 2015 Indicators

ERA is based on the principle of expert review informed by indicators. The ERA 2015 evaluations undertaken by RECs were informed by four broad categories of indicators:

1. Indicators of research quality

Research quality was considered on the basis of a publishing profile, citation analysis, ERA peer review, and peer reviewed Australian and international research income

2. Indicators of research activity

Research activity is considered on the basis of research outputs, research income and other research items within the context of the profile of eligible researchers

³ See arc.gov.au/era-2015-research-evaluation-committee-rec-members for a list of REC members.

⁴ The ERA 2015 Evaluation Handbook is available from: arc.gov.au/excellence-research-australia

3. Indicators of research application

Research application is considered on the basis of research commercialisation income, patents, Plant Breeder's Rights, registered designs, and National Health and Medical Research Council (NHMRC) Endorsed Guidelines. Some other measures, such as publishing behaviour and some other categories of research income, can also provide information about research application

4. Indicators of recognition

Research recognition was considered on the basis of a range of esteem measures.

More detailed information about each of the ERA indicators is available in the *ERA 2015 Evaluation Handbook*.

The ERA indicators are underpinned by the ERA Indicator Principles. The ERA Indicator Principles were developed by the ARC in accordance with international best practice and informed by the ERA Indicator Development Group with analytical testing of data from the Australian higher education sector.

The ERA indicator suite was developed to align with the research behaviours of each discipline. For this reason, there are differences in the selection of indicators. The indicators that apply to each discipline (as defined by two- or four-digit FoRs) are shown in the *ERA 2015 Discipline Matrix*.⁵

Unit of Evaluation

The Unit of Evaluation for ERA is the research discipline for each institution as defined by FoR codes.

Evaluations occurred at the two- and four-digit FoR code levels for UoEs that met the low volume threshold. UoEs do not correspond to named disciplines, departments or research groups within an institution.

National-level profiles of disciplines aggregated across institutions at the two- and four-digit FoR code level include information from all submitting institutions, including from those which did not meet the low volume threshold and were therefore not assessed.

Low Volume Threshold

Two- and four-digit UoEs were only assessed where there was a meaningful level of data to be evaluated. An institution is only evaluated in ERA in a two- or four-digit discipline if the number of research outputs submitted reaches the low volume threshold.

For disciplines where citation analysis was used, the low volume threshold was 50 apportioned indexed journal articles. No evaluation was conducted for the FoR at a given institution if the submitted number of apportioned indexed journal articles over the six-year research outputs reference period was fewer than 50 in any two- or four-digit FoR.

For disciplines where peer review was used, the low volume threshold was 50 apportioned weighted outputs. For these disciplines, books were given an effective weighting of 5:1 compared with other research outputs. Books were weighted only for the purposes of determining the low volume threshold; in every other instance they were regarded as a single research output. Portfolios of works were counted as one output for the purposes of determining the low volume threshold. No evaluation was conducted for an FoR at a given institution where, over the six-year research outputs reference period, there were less than the equivalent of 50 apportioned weighted research outputs submitted.

⁵ The ERA 2015 Discipline Matrix is available at: arc.gov.au/era-2015-submission-documents

For some FoRs at some institutions, there was insufficient research volume to undertake a valid analysis at the four-digit FoR level, but sufficient research volume at the two-digit FoR level. In these instances, evaluation took place at the two-digit FoR level only.

Where the low volume threshold was not met, the UoE for a given institution was automatically treated as 'not assessed due to low volume', and is reported as 'n/a'. This means that data submitted on research outputs, research income, applied measures and esteem measures for the relevant two- or four-digit FoR for that institution was collected but not evaluated under ERA 2015. The institution, therefore, was not considered as research active for that discipline for the purposes of ERA 2015. However, the data submitted still contributed to the construction of the ERA benchmarks and all ERA data was aggregated for national-level reporting irrespective of whether any FoRs within a specific institution met the low volume threshold.

ERA Rating Scale

ERA utilises a five-point rating scale. The rating scale is broadly consistent with the approach taken in research evaluation processes in other countries to allow for international comparison.

Rating	Descriptor
5	The Unit of Evaluation profile is characterised by evidence of outstanding performance well above world standard presented by the suite of indicators used for evaluation.
4	The Unit of Evaluation profile is characterised by evidence of performance above world standard presented by the suite of indicators used for evaluation.
3	The Unit of Evaluation profile is characterised by evidence of average performance at world standard presented by the suite of indicators used for evaluation.
2	The Unit of Evaluation profile is characterised by evidence of performance below world standard presented by the suite of indicators used for evaluation.
1	The Unit of Evaluation profile is characterised by evidence of performance well below world standard presented by the suite of indicators used for evaluation.
n/a	Not assessed due to low volume. The number of research outputs does not meet the volume threshold standard for evaluation in ERA.

Notes on the Rating Scale

- › ‘World Standard’ refers to a quality standard. It does not refer to the nature or geographical scope of particular subjects, or to the locus of research nor its place of dissemination.
- › Each point within the rating scale represents a quality ‘band’. For example, one UoE might be rated highly within the ‘4’ band and another rated lower within the same band, but the rating for both will be a ‘4’. Only whole ratings are given (not 4.2, 4.5 etc).
- › The ‘banding’ of quality ratings assists RECs in determining a final rating. If, for example, a Unit of Evaluation has a preliminary rating at the top margin of the ‘4’ band based on the assessment of the quality of the research outputs, other indicators (e.g. income or esteem measures) may be sufficient to raise the rating into the ‘5’ band. The lack of such indicators will not, however, be used to lower a rating.
- › The ERA evaluation measures research quality, not scale or productivity. Volume information is presented to the RECs for the purposes of providing context to the research.
- › The methodology and rating scale allow for UoEs with different volumes of output to achieve the same rating. So, for example, a UoE with a small number of outputs can achieve a rating of 5 where the UoE meets the standard for that rating point, similar to a UoE with a large number of outputs.
- › Each UoE is assessed against the absolute standards of the rating scale, not against other UoEs. One of the key objectives of ERA is to identify excellence across the full spectrum of research performance.
- › RECs exercise their knowledge, judgment and expertise to reach a single rating for each UoE. In reaching a rating, RECs take account of all of the supporting evidence which is submitted for the UoE. RECs do not make comment about the contributions of individual researchers.
- › The rating for each UoE reflects the REC’s expert and informed view of the characteristics of the UoE as a whole. In all cases the quality judgments relate to all of the evidence, including the entire indicator suite, and the ERA rating scale. In order to achieve a rating at a particular point on the scale, the majority of the output from the UoE will normally be expected to meet the standard for that rating point. Experience has demonstrated that there is normally a variety of quality within a UoE.

Further details concerning the ERA evaluation process can be found in the *ERA 2015 Evaluation Handbook*.

Additional Reporting for ERA 2015

Gender Data

Institutions were required to submit gender data for each eligible researcher. Gender data was used for aggregate reporting and analysis purposes only. This data was not made available to peer reviewers or Research Evaluation Committees (RECs) and did not form part of the evaluation process.

Open Access

Institutions were required to state whether a research output is available in an open access repository. Open access data was used for aggregate reporting and analysis purposes only. This data was not made available to peer reviewers or Research Evaluation Committees (RECs) and did not form part of the evaluation process.

For the purpose of ERA 2015, an open access repository is as per the ARC's Open Access Policy.

See: arc.gov.au/arc-open-access-policy.

New Category of Non-Traditional Research Outputs

There is a new category of non-traditional research outputs for ERA 2015, entitled 'research report for an external body'. It consists of four subcategories of reports: Public Sector; Industry; Not-For-Profit; and Other.

Non-traditional research outputs (NTROs) only apply to some disciplines. The exception is the NTRO category 'research reports for an external body' which applies to all disciplines. However, for citation disciplines, while 'research reports for an external body' form part of the publishing profile they do not form part of the citation analysis information. In addition, 'research reports for an external body' submitted within citation fields of research will not be eligible for peer review.

Further detail on the changes to the submission guidelines for ERA 2015 can be found in the *ERA 2015 Submission Guidelines*.

Key ERA 2015 Documents

There are several documents that provide more detailed information about various aspects of the ERA 2015 evaluation. These include:⁶

- › *ERA 2015 Submission Guidelines* — provide guidance to institutions about ERA 2015 submission rules and components
- › *ERA 2015 Discipline Matrix* — shows the indicators that apply to each FoR code
- › *ERA 2015 Evaluation Handbook* — provides detailed information about the ERA 2015 indicators, evaluation approach and process
- › the *ERA 2015 Submission Journal List*, *Submission Conference List* and *Submission Publisher List* (copies of these lists were supplied to participating universities in July 2014).

Further information about ERA is available on the ARC website at: arc.gov.au/era-2015

⁶ ERA 2015 key documents are available at: arc.gov.au/excellence-research-australia

Use of the ERA National Report

The *ERA National Report* presents data submitted as part of a comprehensive assessment by discipline of the research quality and research activity within Australia's higher education institutions.

Coverage

ERA retrospectively evaluates the quality of research conducted within the specific reference periods (as shown previously). As the ERA 2015 research outputs reference period ended on 31 December 2013, research quality may have changed since that time.

Comparison across Data Items

Each UoE is assessed against the ERA rating scale. As no comparisons are made between UoEs, ERA ratings cannot be used as a ranking device. Further, as each ERA rating point might include a range of performances, and the gap between rating points is not defined, it is not appropriate to average ratings even within disciplines.

ERA has been designed to provide flexibility for, and recognition of, discipline-specific research behaviours at both the two- and four-digit FoR levels rather than comparison between disciplines or disciplinary clusters. ERA evaluations are conducted by discipline experts interpreting the indicators for each UoE in the context of their own expert knowledge of the discipline. Different indicators apply to each discipline, as outlined in the *ERA 2015 Discipline Matrix*. For this reason it is not appropriate to make productivity statements about or comparisons between disciplines.

Where possible the data presented in this report is de-duplicated. This does not represent the exact data submitted to ERA 2015 for the purposes of evaluation (which potentially contained duplicate data submitted by multiple institutions).

Please note: numbers are generally rounded to one decimal place in tables throughout this report and income is rounded to whole dollars. Totals may be different to the sum of parts due to rounding.

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Section 1 provides a national summary of research performance, a summary of all data submitted for the ERA 2015 evaluation, a snapshot of comparative data for ERA 2010, ERA 2012 and ERA 2015, and some preliminary analyses of selected ERA 2015 submission data.

Research Quality

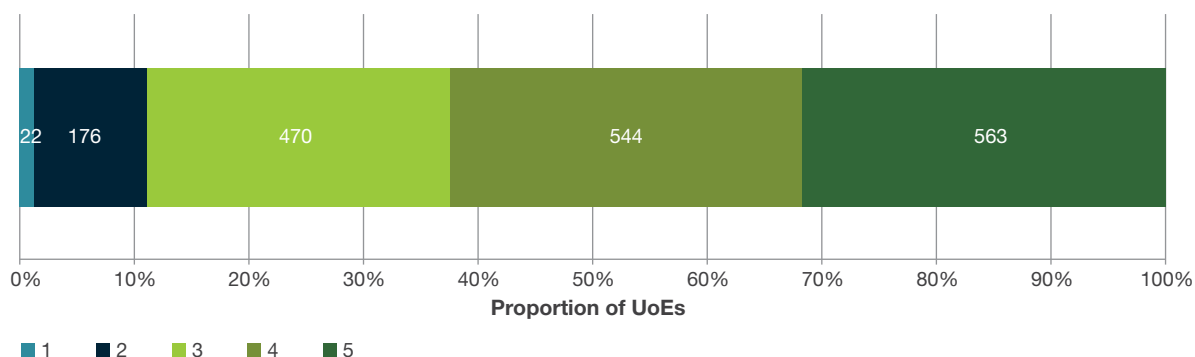
This sub-section presents the research quality results from ERA 2015. It summarises the ratings results for all four-digit Units of Evaluation (UoEs), then presents a number of analyses that highlight areas of research excellence in Australia's eligible institutions. It then shows the results of the two-digit evaluations. The final four charts display the full array of results at the four-digit level—for every assessed UoE and each four-digit FoR code.

Research quality — four-digit UoEs

Of the 1,775 four-digit UoEs that were rated during ERA 2015, 563 (32 per cent) attracted a rating of 5 (i.e. well above world standard). A further 544 (31 per cent) received a rating of 4—above world standard—while 470 (26 per cent) were rated 3—at world standard. Overall, 62 per cent of four-digit UoEs were rated above or well above world standard.

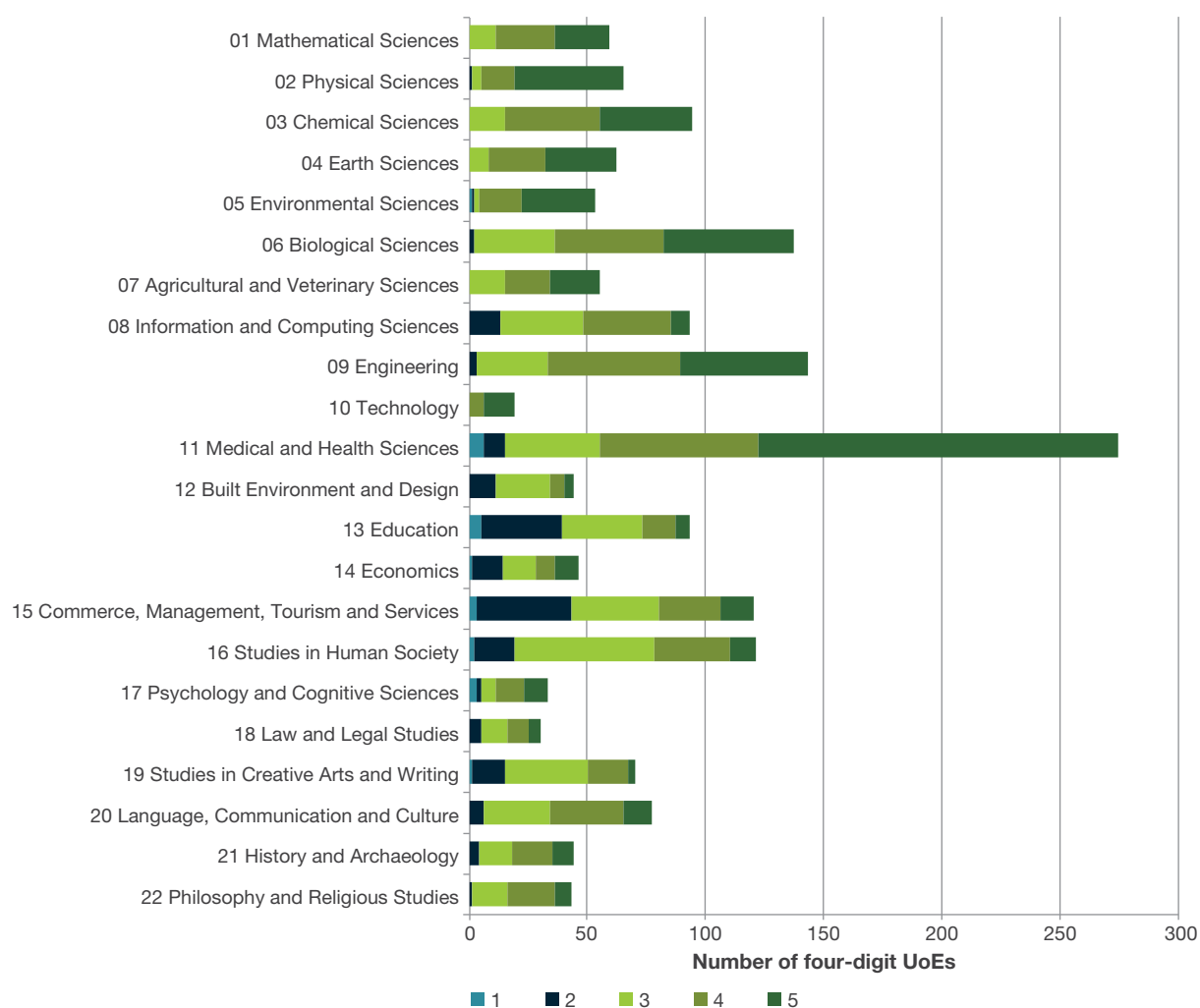
The number of assessed UoEs and the distribution of ratings among these UoEs varied by discipline. In absolute terms, 11 Medical and Health Sciences had the largest number of four-digit UoEs (274). The FoR 10 Technology had the fewest (19), but achieved excellent results: all 19 were rated above or well above world standard.

DISTRIBUTION OF RATINGS ACROSS ALL FOUR-DIGIT UOES



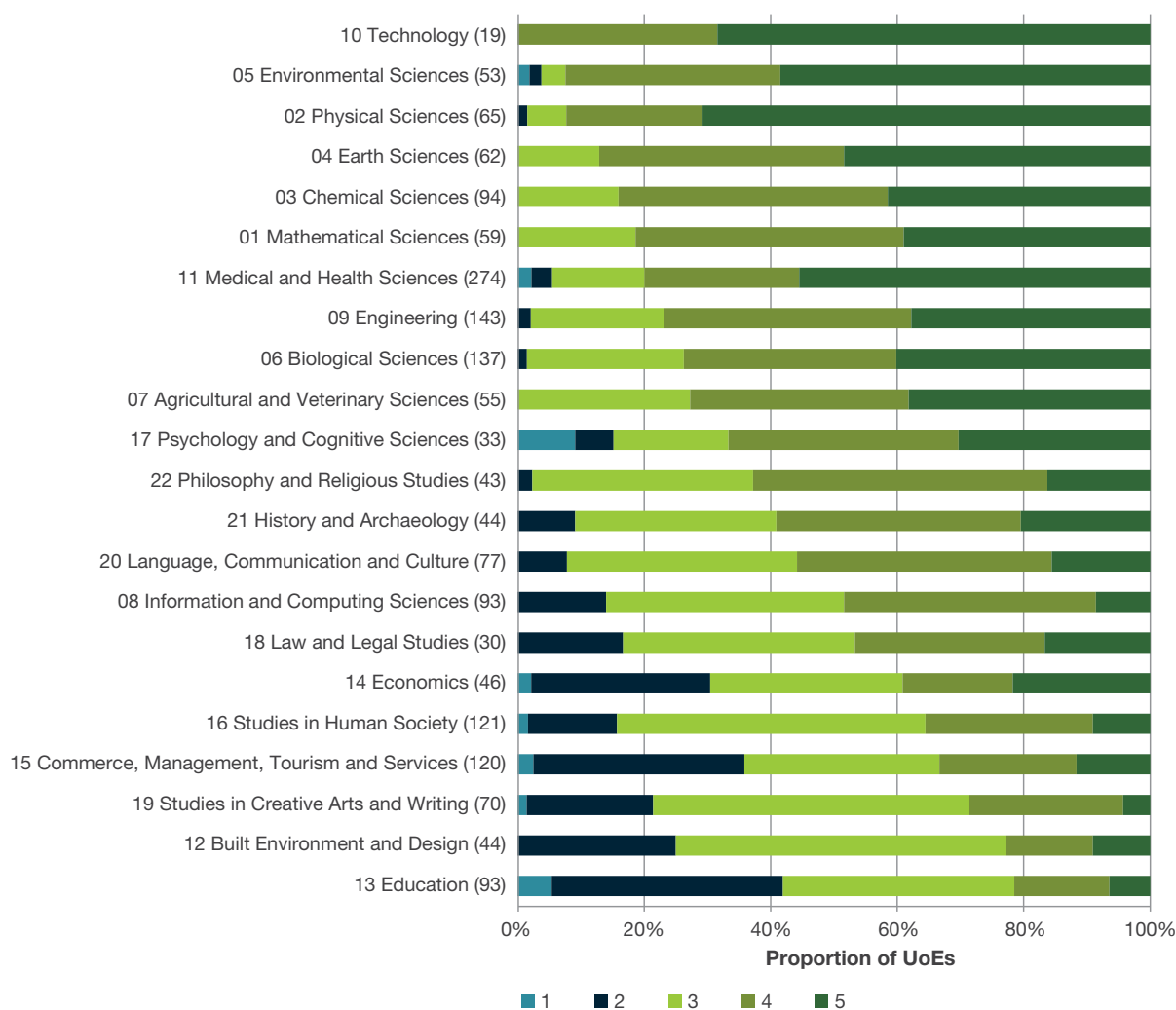
Note: Numbers in bar chart show the number of four-digit UoEs that received each rating.

UOE RATINGS (AGGREGATED FOUR-DIGIT RESULTS, GROUPED BY TWO-DIGIT FOR CODE)



The following chart shows the percentage distribution of four-digit UoEs, allowing comparisons between disciplines of different sizes. The FoRs 10 Technology, 05 Environmental Sciences and 02 Physical Sciences each had more than 90 per cent of their underlying four-digit UoEs rated as 4 or 5.

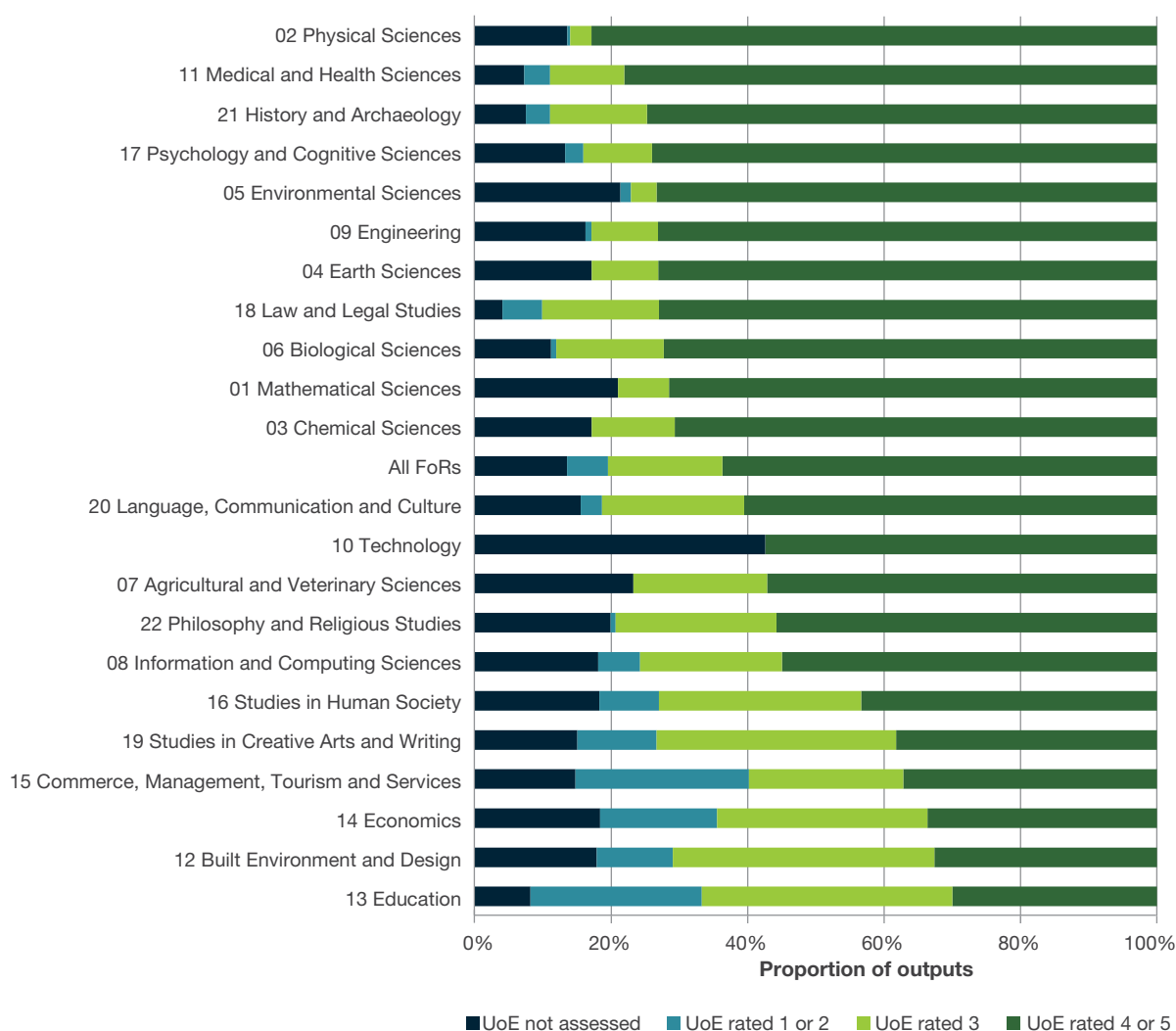
DISTRIBUTION OF RATINGS FOR FOUR-DIGIT UOES (AGGREGATED FOUR-DIGIT RESULTS, GROUPED BY TWO-DIGIT FOR CODE)



Notes: FoRs are ordered by the proportion of four-digit UoEs that received a rating of 4 or 5. The numbers in the brackets following the FoR name show the total number of four-digit UoEs that were rated in that two-digit FoR.

Another approach to identifying research excellence across disciplines is to consider the national distribution of all outputs that were submitted for assessment. In doing so, it is important to distinguish between the peer review and the citation disciplines. In peer review disciplines, this refers to all eligible outputs, while in citation disciplines, this refers to indexed journal articles. The figure below shows that nearly two-thirds (64 per cent) of these outputs were in UoEs rated 4 or 5 (above or well above world standard). Eleven two-digit disciplines had at least two-thirds of their outputs contributed to UoEs rated 4 or 5.

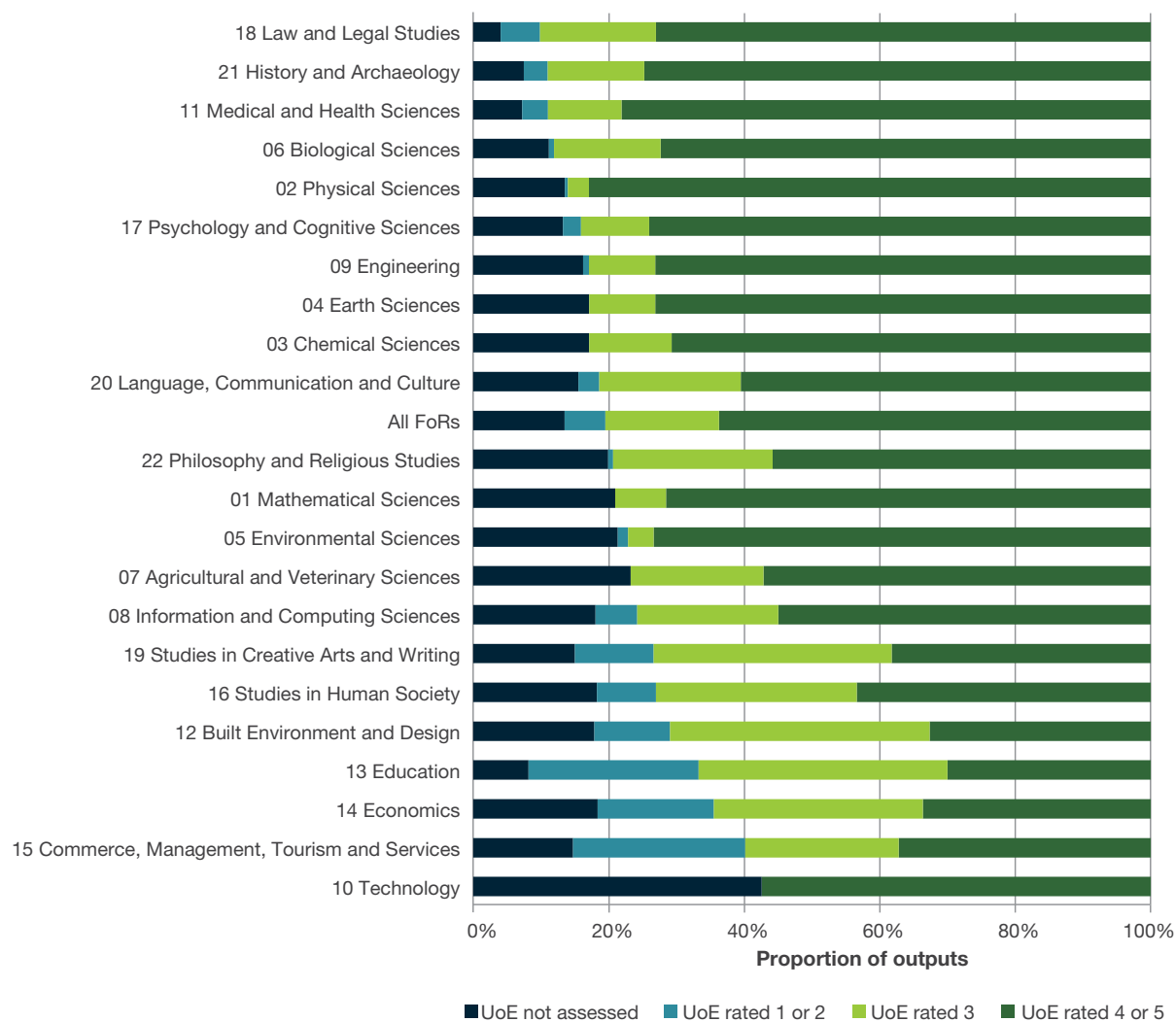
DISTRIBUTION OF OUTPUTS BY FOUR-DIGIT UOE RATING (AGGREGATED FOUR-DIGIT RESULTS, GROUPED BY TWO-DIGIT FOR CODE)



Note: FoRs are ordered by the proportion of outputs submitted for UoEs that received a rating of 4 or 5.

The chart below is the same as the previous chart, but disciplines are sorted by the proportion of outputs in UoEs that received a rating of 3, 4 or 5 (rather than just 4 and 5). Overall, just over 80 per cent of these outputs were in UoEs that were rated at or above world standard. Less than a fifth of these outputs were in UoEs that were either not assessed or were submitted by UoEs rated below world standard (1 or 2).

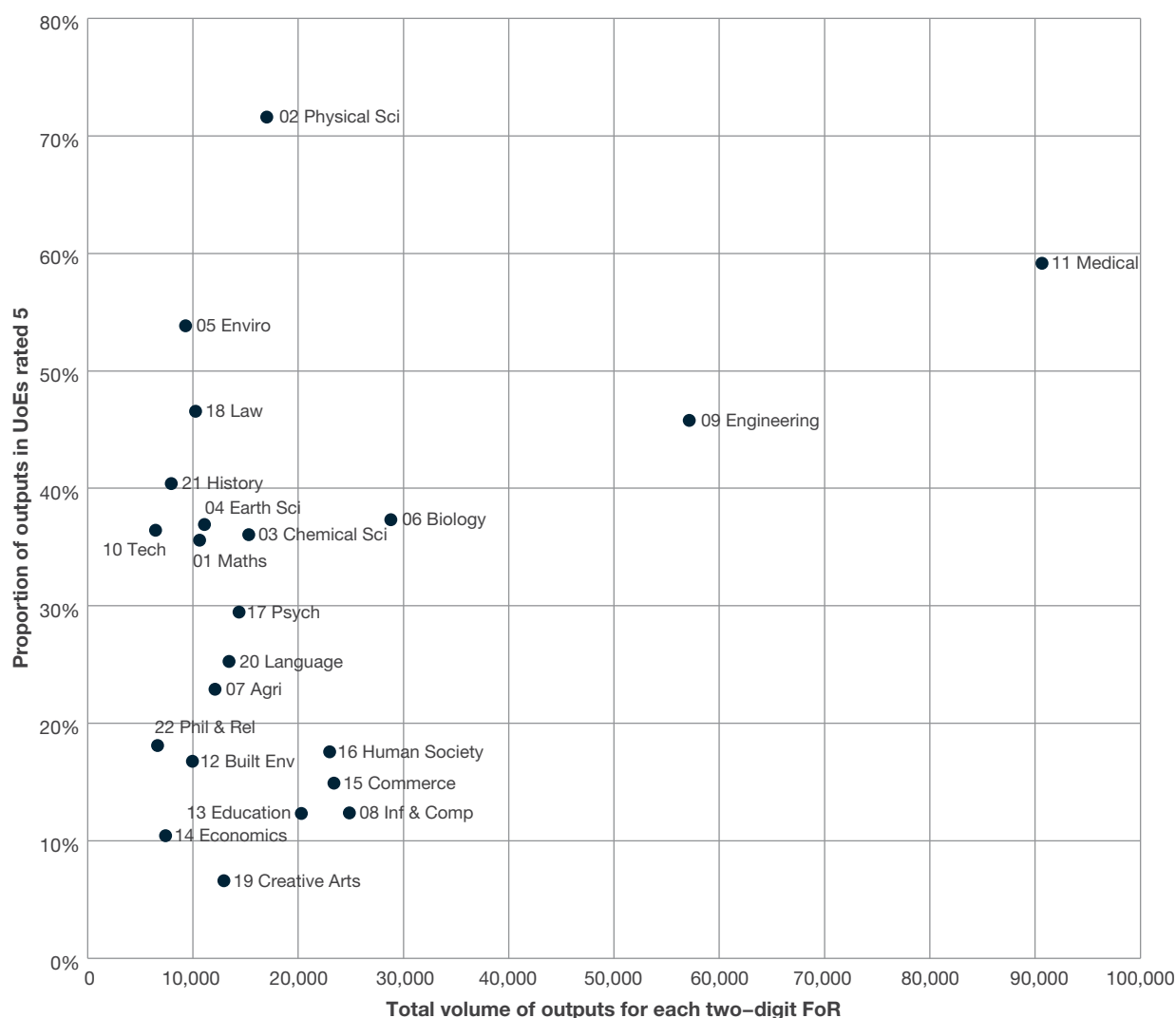
DISTRIBUTION OF OUTPUTS BY FOUR-DIGIT UOE RATING (AGGREGATED FOUR-DIGIT RESULTS, GROUPED BY TWO-DIGIT FOR CODE)



Note: FoRs are ordered by the proportion of outputs submitted for UoEs that received a rating of 3, 4 or 5.

The following chart plots disciplines along the vertical axis according to the proportion of their outputs that were submitted by UoEs that received a 5 rating. Results are shown for each two-digit FoR, but each is an aggregation of ratings and volume from the underlying four-digit UoEs. The plot also indicates the scale of the national research effort in each discipline by showing the total volume of outputs for each two-digit FoR (for the six-year reference period, along the horizontal axis).

PROPORTION OF OUTPUTS IN UOES RATED 'WELL ABOVE WORLD STANDARD' (5) VS. DISCIPLINE VOLUME

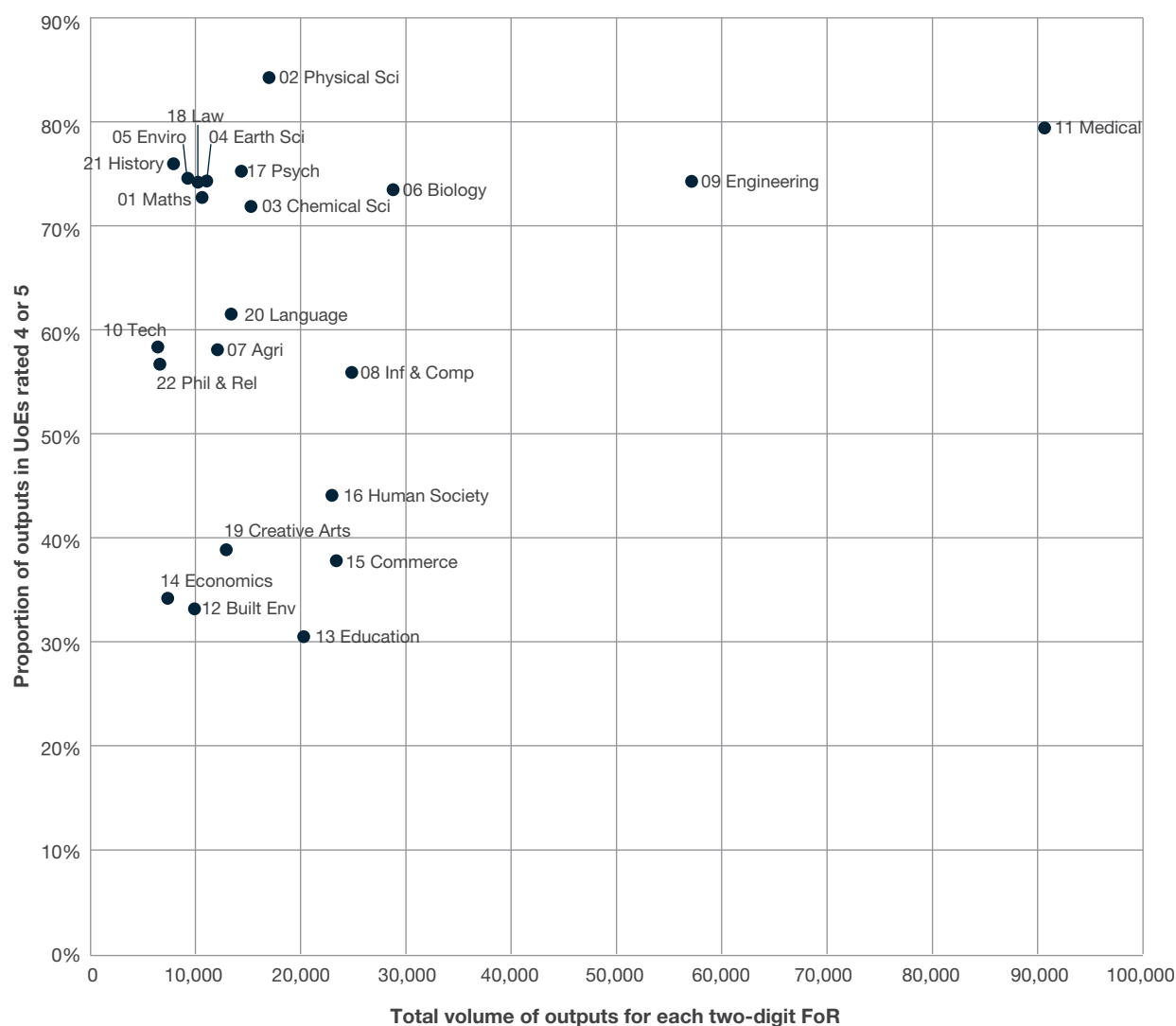


Note: Output volume includes all output types, no weighting is applied.

The following FoR abbreviations have been used: 01 Maths = Mathematical Sciences; 02 Physical Sci = Physical Sciences; 03 Chemical Sci = Chemical Sciences; 04 Earth Sci = Earth Sciences; 05 Enviro = Environmental Sciences; 06 Biology = Biological Sciences; 07 Agri = Agricultural and Veterinary Sciences; 08 Inf & Comp = Information and Computing Sciences; 10 Tech = Technology; 11 Medical = Medical and Health Sciences; 12 Built Env = Built Environment and Design; 15 Commerce = Commerce, Management, Tourism and Services; 16 Human Society = Studies in Human Society; 17 Psych = Psychology and Cognitive Sciences; 18 Law = Law and Legal Studies; 19 Creative Arts = Studies in Creative Arts and Writing; 20 Language = Language, Communication and Culture; 21 History = History and Archaeology; 22 Phil & Rel = Philosophy and Religious Studies.

The next chart is similar to the previous one, except that it plots disciplines along the vertical axis according to the proportion of their outputs that were submitted by UoEs that received a 4 or a 5 rating (not just 5). Again the plot indicates the scale of the national research effort in each discipline by showing the total volume of outputs for each two-digit FoR (along the horizontal axis).

PROPORTION OF OUTPUTS IN UOES RATED 'ABOVE WORLD STANDARD' OR 'WELL ABOVE WORLD STANDARD' (4 OR 5) VS. DISCIPLINE VOLUME



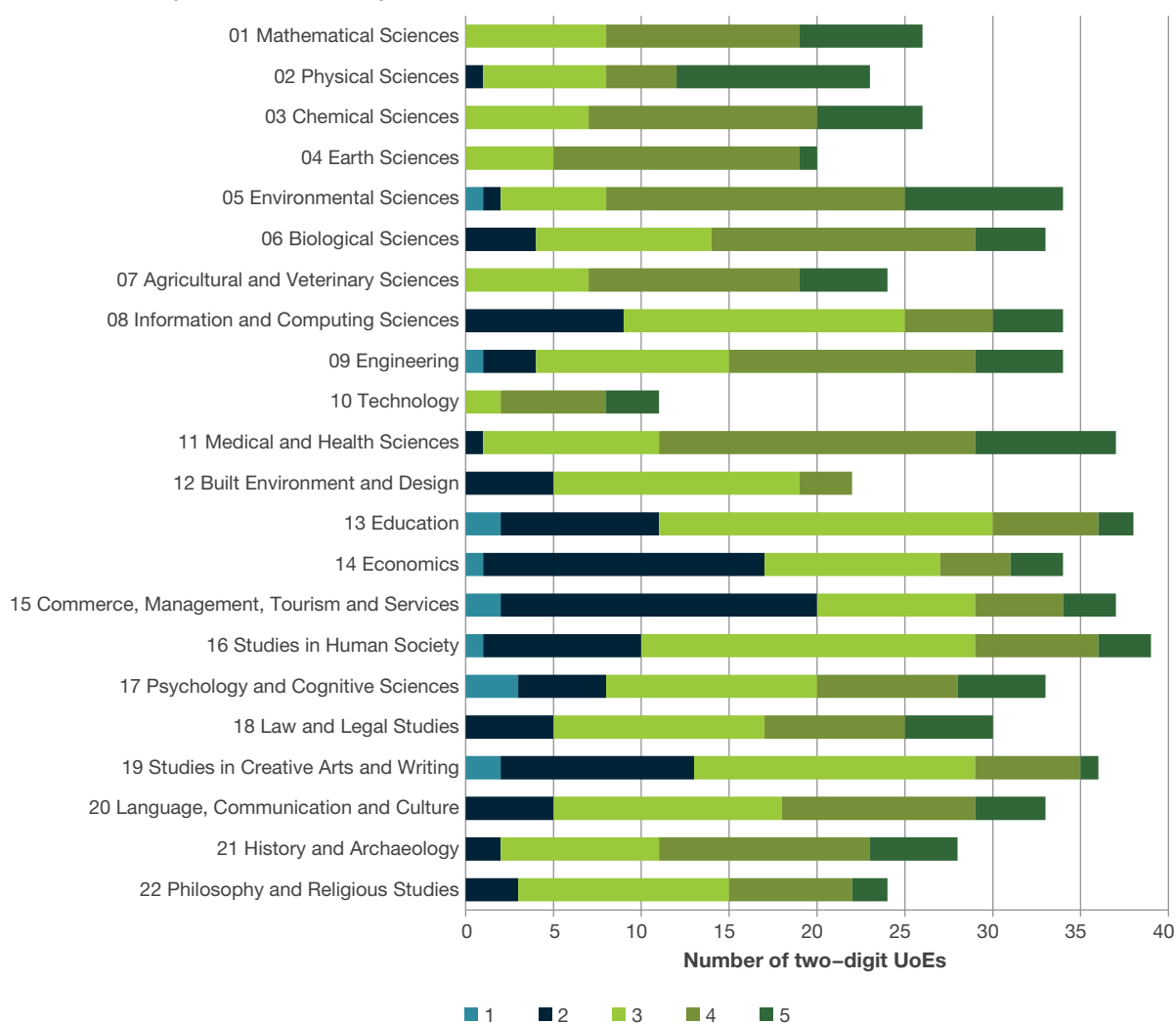
Note: Output volume includes all output types, no weighting is applied.

The following FoR abbreviations have been used: 01 Maths = Mathematical Sciences; 02 Physical Sci = Physical Sciences; 03 Chemical Sci = Chemical Sciences; 04 Earth Sci = Earth Sciences; 05 Enviro = Environmental Sciences; 06 Biology = Biological Sciences; 07 Agri = Agricultural and Veterinary Sciences; 08 Inf & Comp = Information and Computing Sciences; 10 Tech = Technology; 11 Medical = Medical and Health Sciences; 12 Built Env = Built Environment and Design; 15 Commerce = Commerce, Management, Tourism and Services; 16 Human Society = Studies in Human Society; 17 Psych = Psychology and Cognitive Sciences; 18 Law = Law and Legal Studies; 19 Creative Arts = Studies in Creative Arts and Writing; 20 Language = Language, Communication and Culture; 21 History = History and Archaeology; 22 Phil & Rel = Philosophy and Religious Studies.

Two-digit UoEs — all results

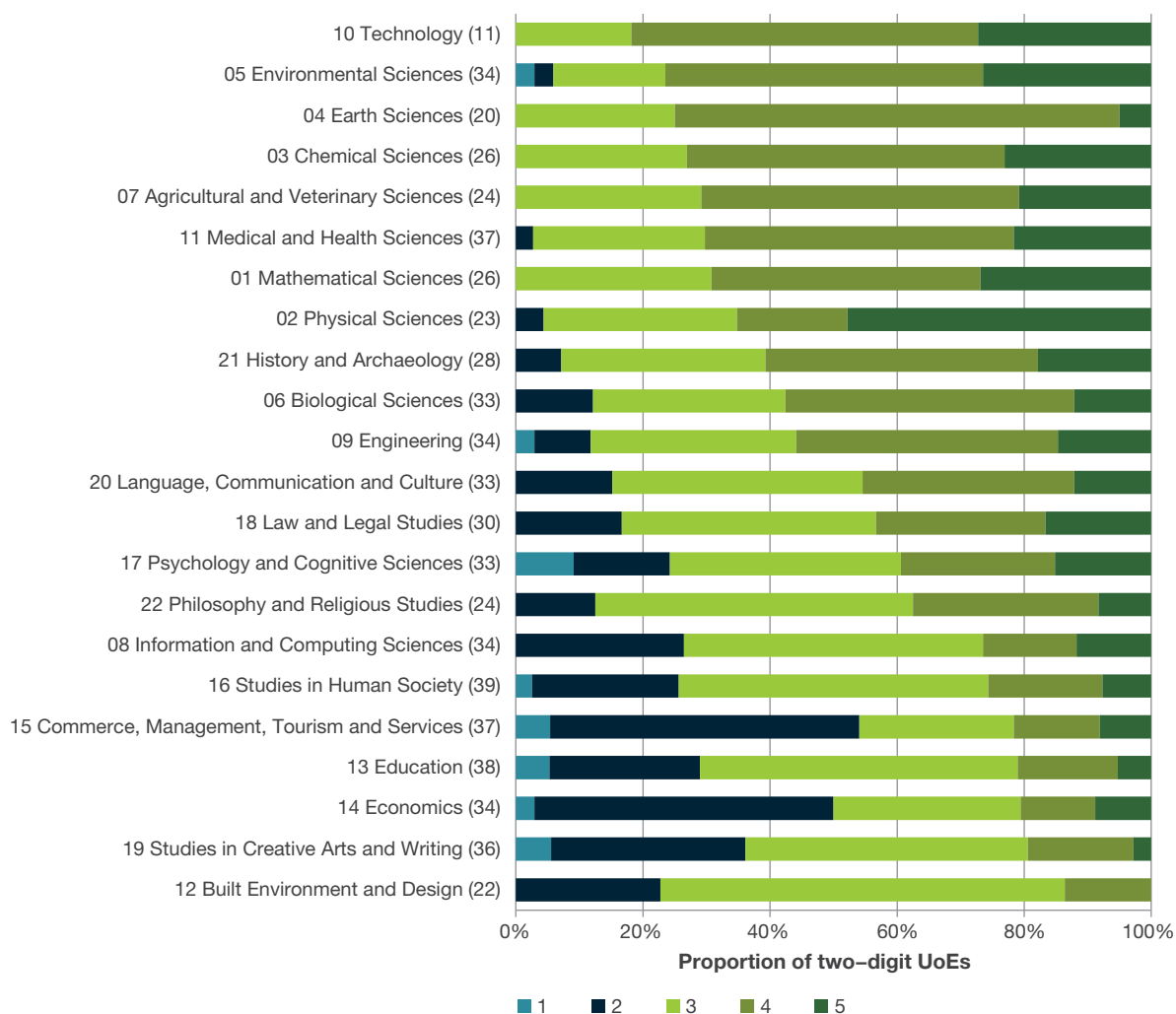
Of the 656 two-digit Units of Evaluation (UoEs) that were rated during ERA 2015, 96 attracted a rating of 5 (well above world standard) and 206 received a rating of 4 (above world standard). This is a total of 302 two-digit UoEs rated above or well above world standard.

UOE RATINGS (TWO-DIGIT UOES)



Ratings among two-digit UoEs are also presented as a percentage distribution in the following chart, allowing comparisons between disciplines of different sizes. FoRs 10 Technology, 05 Environmental Sciences and 04 Earth Sciences each had 75 per cent or more of their two-digit UoEs rated as 4 or 5.

DISTRIBUTION OF UOE RATINGS AMONG TWO-DIGIT FOR CODES

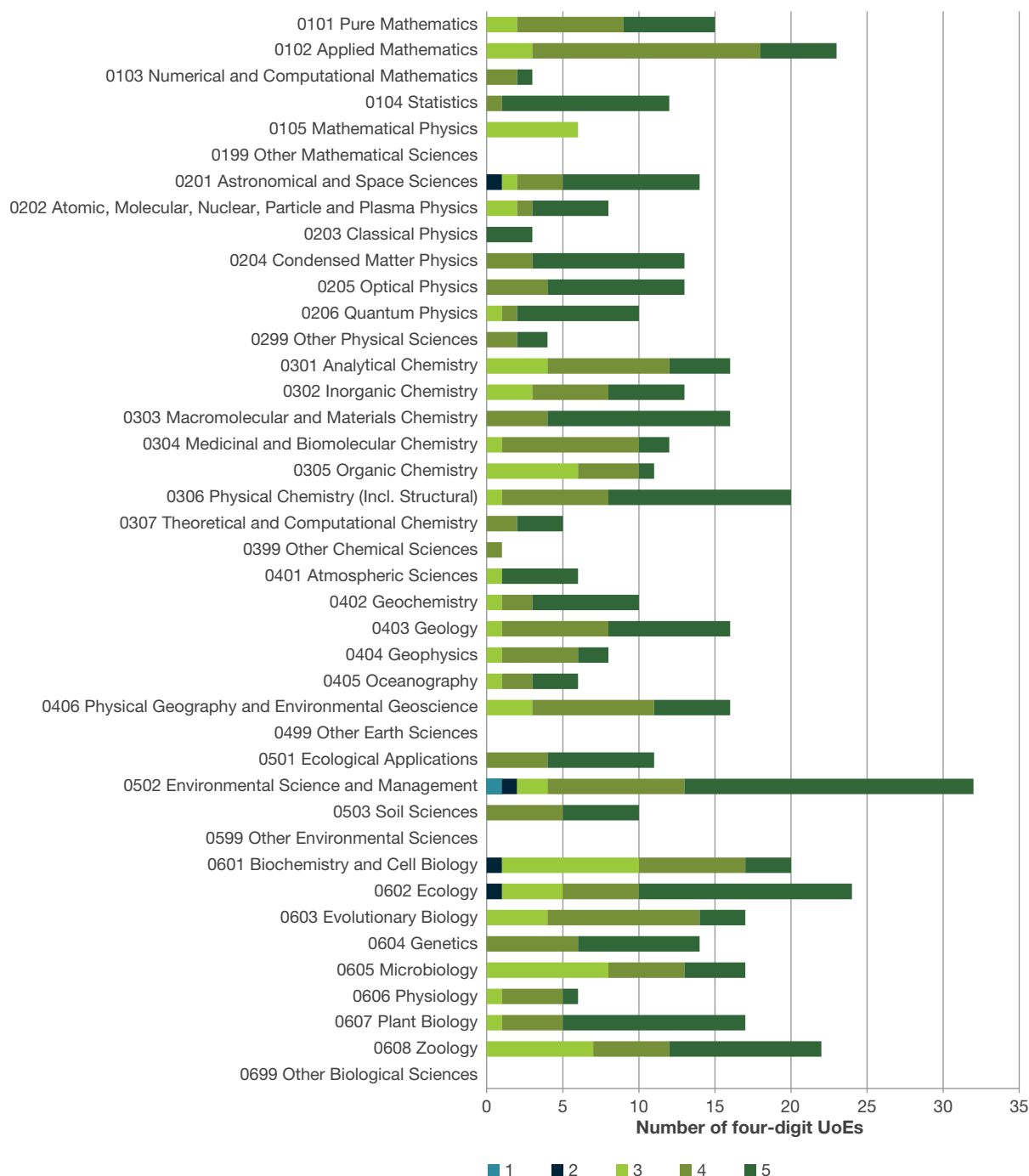


Notes: FoRs are ordered by the proportion of two-digit UoEs that received a rating of 4 or 5. The numbers in the brackets following the FoR name show the total number of two-digit UoEs that were rated in that FoR.

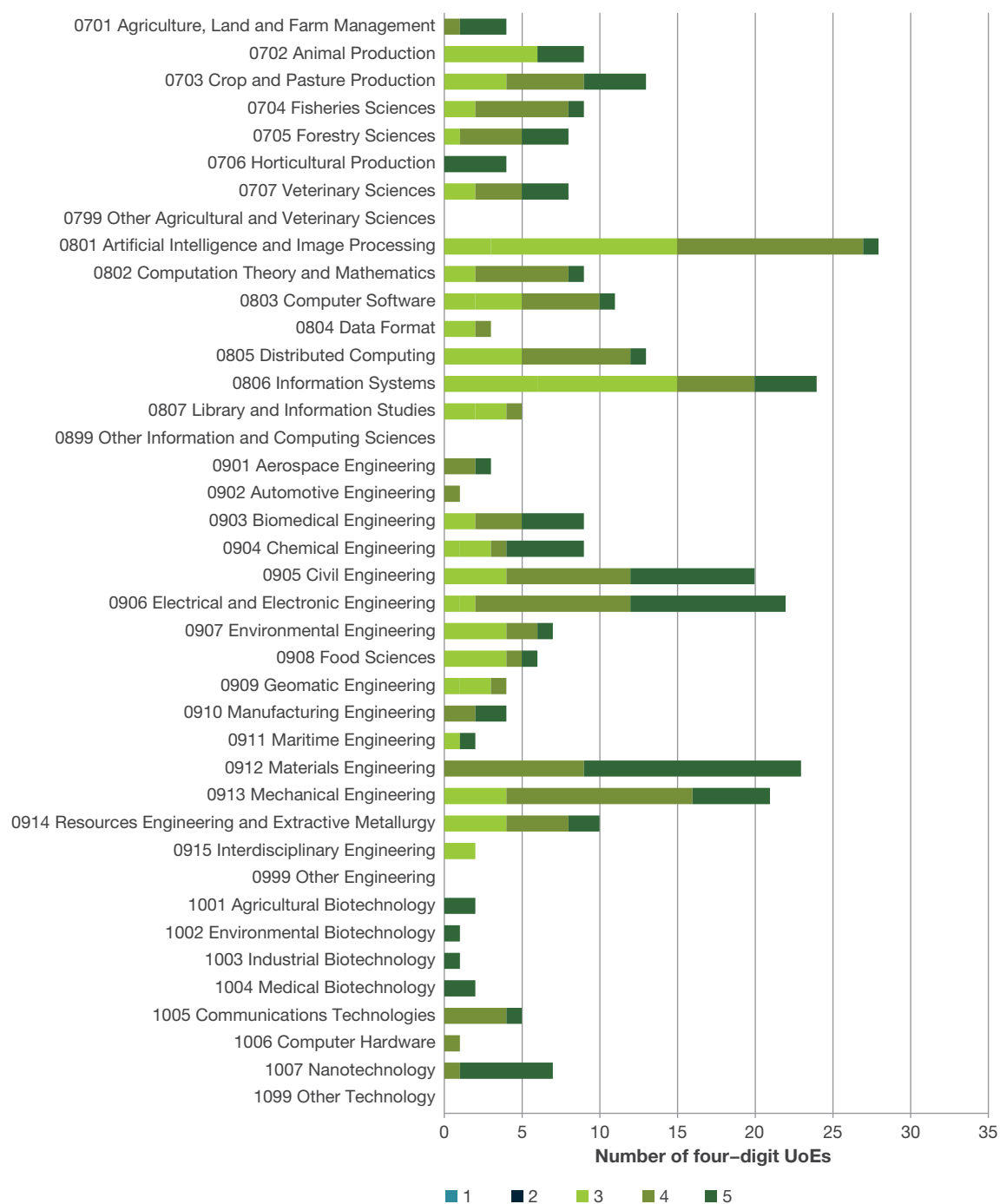
Four-digit UoEs — all results

The following charts present a full tally of UoE ratings for every four-digit FoR code. For ease of presentation, the 157 four-digit FoR codes are split across four charts.

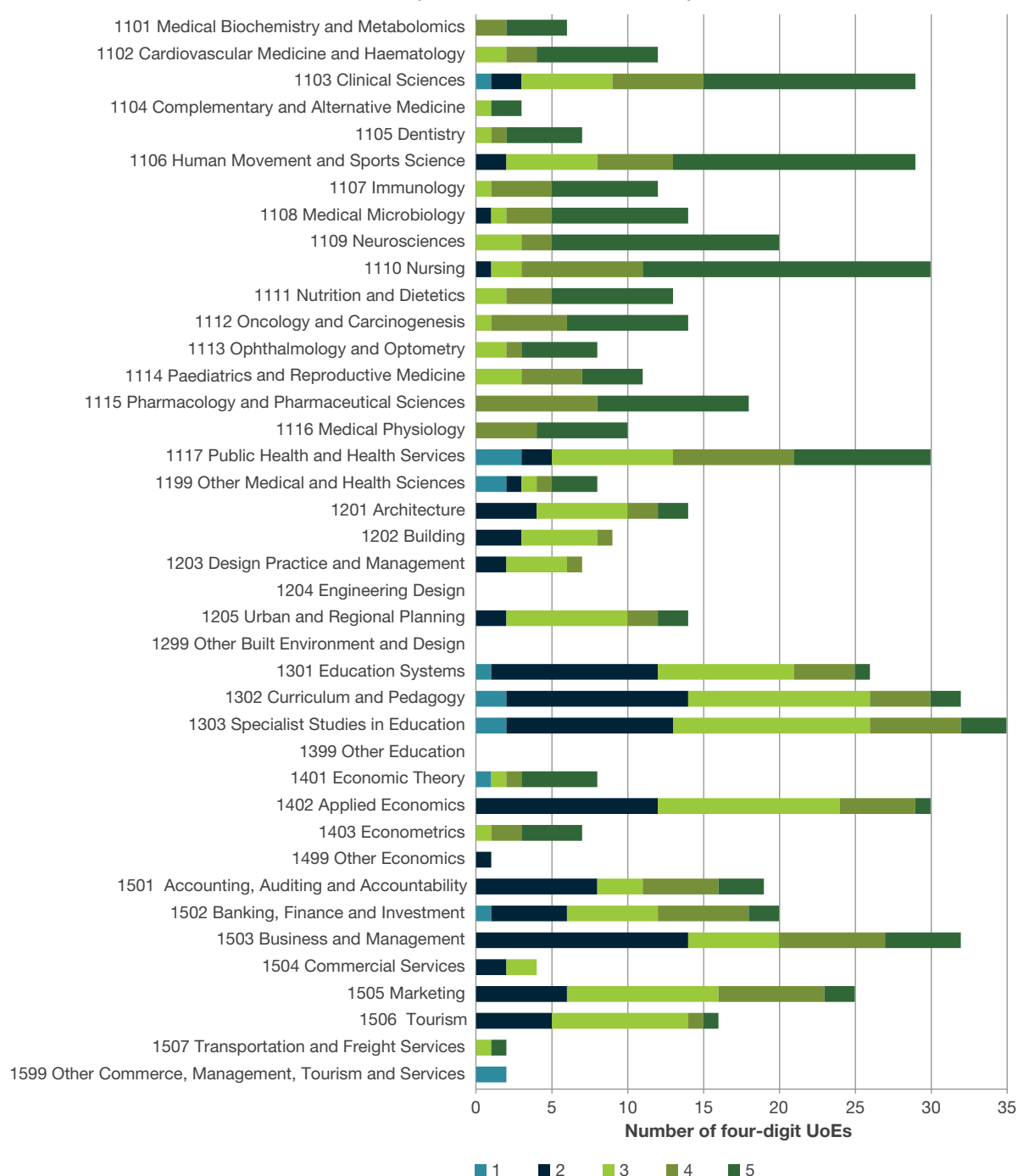
UOE RATING COUNT BY FOUR-DIGIT FOR (FORS 0101 THROUGH 0699)



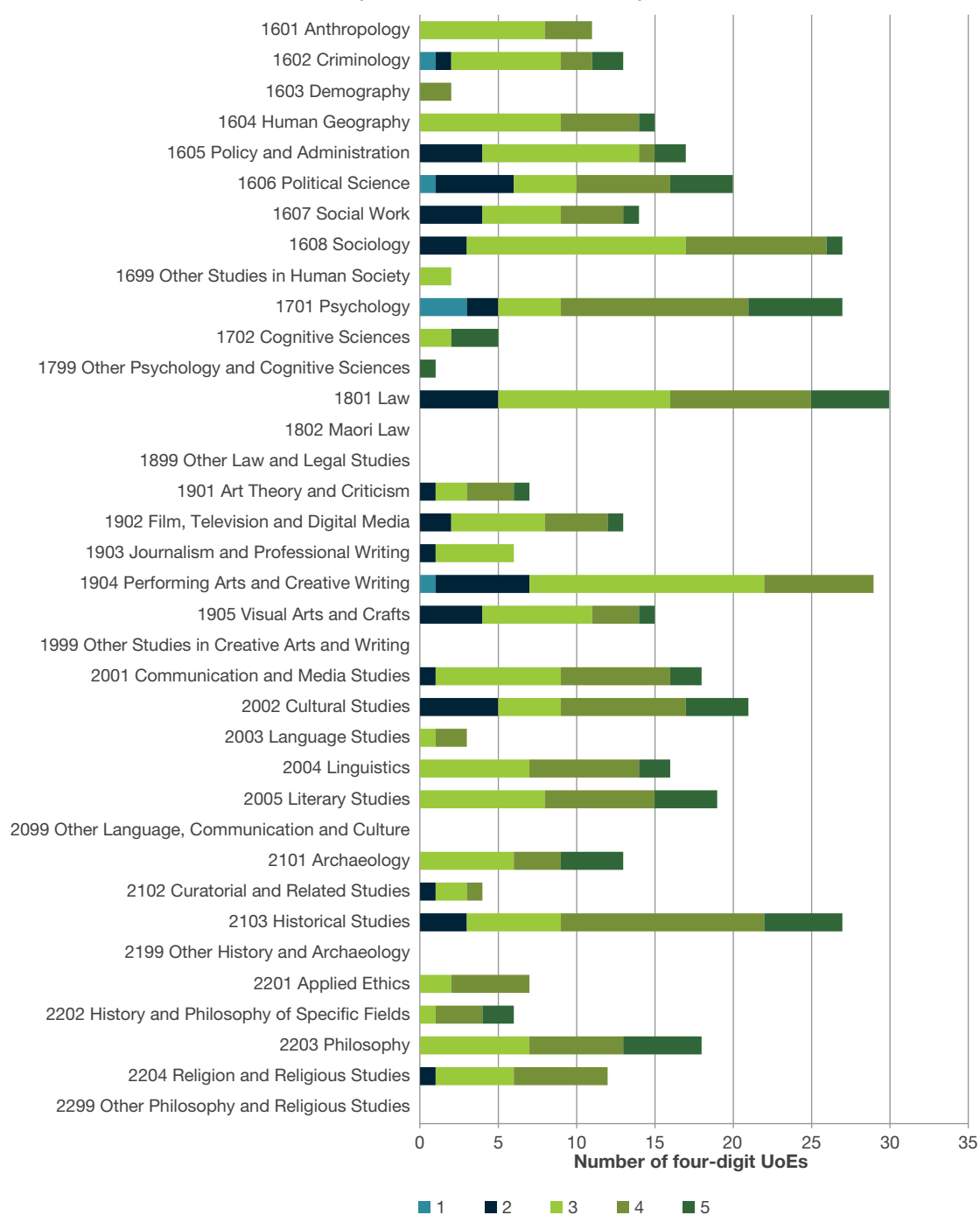
UOE RATING COUNT BY FOUR-DIGIT FOR (FORS 0701 THROUGH 1099)



UOE RATING COUNT BY FOUR-DIGIT FOR (FORS 1101 THROUGH 1599)



UOE RATING COUNT BY FOUR-DIGIT FOR (FORS 1601 THROUGH 2299)

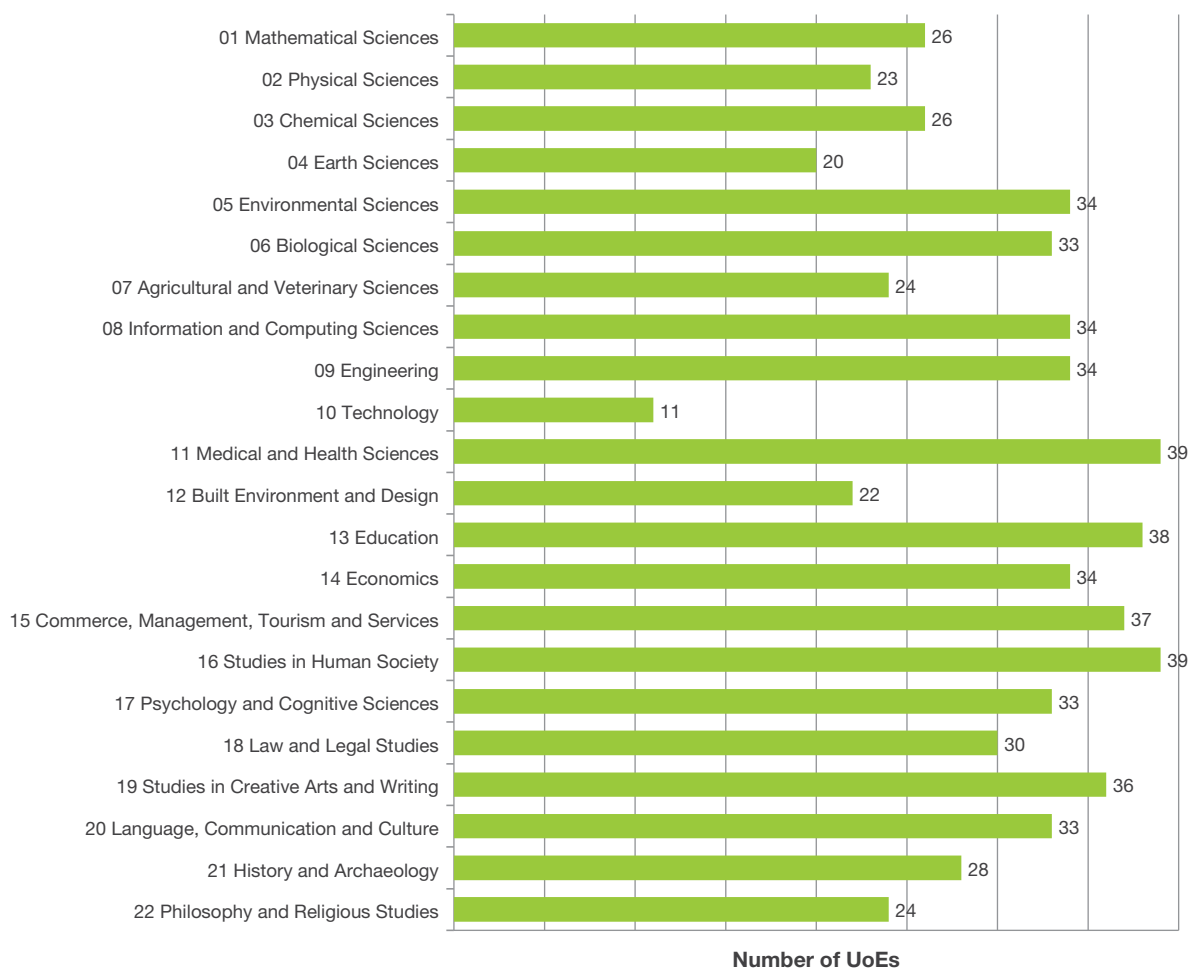


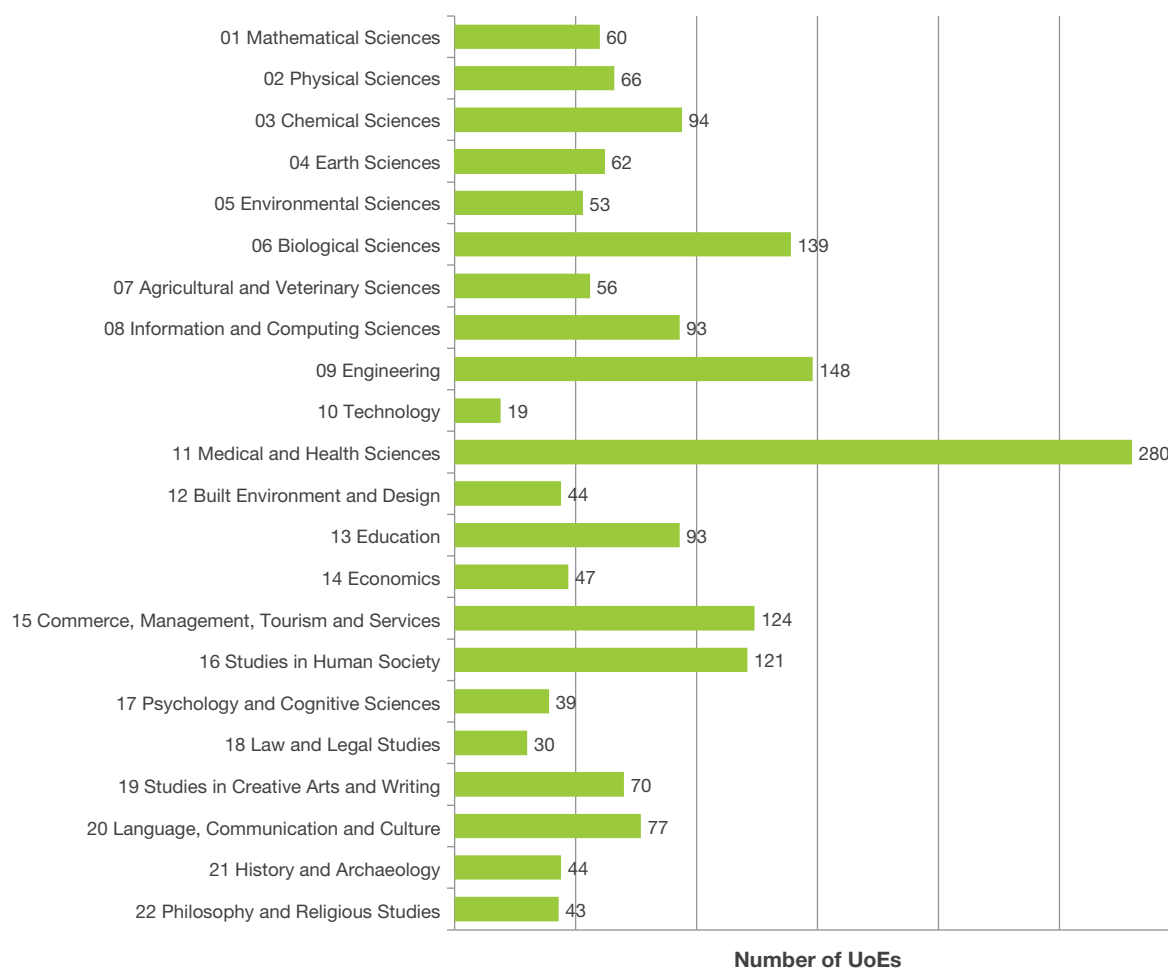
Assessed Units of Evaluation

In ERA, a Unit of Evaluation (UoE) is the research discipline, as defined by the ANZSRC two- and four-digit FoR codes, for an eligible institution (**Appendix 1**). A UoE is assessed for a specific institution when it has sufficient research volume to be considered research active for the purposes of ERA. ERA evaluation occurs at both the two- and four-digit FoR code levels.

A total of 2,460 (UoEs) were assessed in the ERA 2015 evaluation process. There were 658 two-digit units assessed and 1,802 four-digit units assessed. The first chart below shows the number of two-digit assessed UoEs only. The second chart shows the number of four-digit UoEs assessed aggregated to the two-digit level.

UOES ASSESSED BY TWO-DIGIT FOR



UOES ASSESSED BY AGGREGATED FOUR-DIGIT FOR CODES (GROUPED BY TWO-DIGIT FOR CODE)

National ERA Volume at a Glance

The table below presents a summary, by discipline, of the number of UoEs assessed and the volume of research outputs submitted to ERA 2015. With the exception of the assessed UoEs column, the two-digit information presented is the aggregate of the corresponding four-digit data.

For each two- and four-digit FoR the following summary information is provided:

› Assessed UoEs

The number of UoEs assessed in ERA 2015 which met the low volume threshold.

› Research Outputs

The total number of apportioned research outputs (all research output types) submitted to ERA 2015.

› Weighted Research Outputs

The total number of research outputs (all research output types) submitted to ERA 2015. For the purposes of calculating the low volume threshold for peer review disciplines, one book was equivalent to five research outputs. Only peer review disciplines (where weighting was applied) are shown in this column.

› Higher Education Research Data Collection (HERDC) Research Income

The total amount of research income across HERDC Categories 1–4 research income (in Australian dollars) submitted to ERA 2015.

› FTEs

The total number of Full-Time Equivalent staff (FTE) submitted to ERA 2015 (as of the staff census date of 31 March 2014).

› Esteem

The total number of esteem measures submitted to ERA 2015.

› Patents Granted

The total number of patents submitted to ERA 2015.

› Research Commercialisation Income

The total amount of research commercialisation income (in Australian dollars) submitted to ERA 2015.

FoR Code	FoR Name	Assessed UoEs*	Research Outputs	Weighted** Research Outputs	Research Income (\$)	FTEs	Esteem	Patents Granted***	Commercialisation Income (\$)
01	Mathematical Sciences	26	10,632.6	10,703.2	150,725,932	922.6	147.2	0.2	162,956
0101	Pure Mathematics	15	2,732.0	2,802.7	42,964,638	241.5	67.2	0.0	0
0102	Applied Mathematics	23	3,463.8	–	56,492,855	245.7	38.0	0.2	123,679
0103	Numerical and Computational Mathematics	4	1,149.4	–	4,642,731	86.5	5.8	0.0	0
0104	Statistics	12	1,943.3	–	33,834,938	207.8	20.2	0.0	39,278
0105	Mathematical Physics	6	720.3	–	12,297,553	56.6	15.1	0.0	0
0199	Other Mathematical Sciences	0	623.8	–	493,216	84.5	1.0	0.0	0
02	Physical Sciences	23	16,990.8	–	354,091,710	1,148.8	243.9	44.6	2,593,697
0201	Astronomical and Space Sciences	14	4,849.1	–	86,227,319	303.6	59.4	1.0	1,107,396
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	8	2,756.4	–	41,793,129	148.4	32.2	5.5	0
0203	Classical Physics	3	704.2	–	10,881,057	52.9	7.5	0.0	252,472
0204	Condensed Matter Physics	14	2,343.4	–	63,500,674	178.5	47.0	6.8	200,406
0205	Optical Physics	13	3,630.3	–	73,666,007	219.6	54.1	20.9	431,981
0206	Quantum Physics	10	1,582.0	–	59,210,001	130.4	39.3	3.0	190,071
0299	Other Physical Sciences	4	1,125.4	–	18,813,523	115.3	4.3	7.4	411,371
03	Chemical Sciences	26	15,288.8	–	335,252,137	1,333.9	209.5	92.9	4,158,444
0301	Analytical Chemistry	16	1,897.3	–	41,653,841	167.6	16.0	9.1	226,674
0302	Inorganic Chemistry	13	1,956.2	–	30,710,568	144.9	28.9	1.0	394,966
0303	Macromolecular and Materials Chemistry	16	2,236.5	–	55,076,926	156.7	44.9	32.9	0
0304	Medicinal and Biomolecular Chemistry	12	2,045.9	–	77,309,865	263.9	38.5	19.3	987,107
0305	Organic Chemistry	11	1,788.9	–	36,987,461	171.6	18.8	6.9	5,042
0306	Physical Chemistry (Incl. Structural)	20	3,597.4	–	75,988,538	231.1	47.6	23.3	1,161,207
0307	Theoretical and Computational Chemistry	5	934.1	–	15,361,739	71.0	13.0	0.0	1,383,448
0399	Other Chemical Sciences	1	832.6	–	2,163,199	127.2	1.9	0.5	0
04	Earth Sciences	20	11,090.4	–	360,562,621	980.5	118.4	5.0	3,921,917
0401	Atmospheric Sciences	6	1,147.1	–	33,359,713	119.1	13.3	0.0	96,169
0402	Geochemistry	10	1,453.1	–	40,982,251	141.3	23.4	2.0	2,596,226

* All two-digit FoR codes shown in this table are aggregates of the four-digit FoR codes below, with the exception of the 'Assessed UoEs' column which are the actual values at the two-digit FoR code level.

** One book is equivalent to five research outputs in ERA 2015 for the calculation of low volume threshold for relevant disciplines.

*** Triadic patents count as three patents in the Total.

Continued

For Code	For Name	Assessed UoEs*	Research Outputs	Weighted** Research Outputs	Research Income (\$)	FTEs	Esteem	Patents Granted***	Commercialisation Income (\$)
0403	Geology	16	3,165.8	-	103,169,768	251.0	40.0	3.0	340,393
0404	Geophysics	8	1,168.5	-	43,171,071	96.8	8.7	0.0	5,444
0405	Oceanography	6	1,227.2	-	43,297,764	108.2	17.6	0.0	24,871
0406	Physical Geography and Environmental Geoscience	16	2,472.5	-	95,965,947	206.5	15.3	0.0	858,814
0499	Other Earth Sciences	0	456.1	-	616,107	57.7	0.1	0.0	0
05	Environmental Sciences	34	9,288.4	-	418,507,503	828.2	83.2	14.8	974,593
0501	Ecological Applications	11	1,520.5	-	65,430,639	142.2	17.3	0.0	3,057
0502	Environmental Science and Management	32	5,462.9	-	310,110,818	499.5	55.2	9.7	749,166
0503	Soil Sciences	10	1,474.7	-	39,259,428	114.4	10.3	5.1	222,370
0599	Other Environmental Sciences	0	830.3	-	3,706,618	72.0	0.5	0.0	0
06	Biological Sciences	33	28,786.3	-	988,548,549	3,294.0	520.5	125.2	4,064,145
0601	Biochemistry and Cell Biology	21	6,114.3	-	347,952,946	931.4	199.8	76.5	1,361,373
0602	Ecology	24	4,374.8	-	145,435,449	415.2	51.2	0.0	10,142
0603	Evolutionary Biology	17	2,518.3	-	58,387,989	210.7	52.1	0.0	10,142
0604	Genetics	14	2,527.8	-	138,894,656	312.2	78.7	18.6	139,404
0605	Microbiology	17	2,942.7	-	79,106,077	342.2	39.4	11.5	868,673
0606	Physiology	6	1,191.9	-	20,877,198	147.3	11.9	0.0	0
0607	Plant Biology	17	3,297.7	-	125,541,109	419.1	52.8	16.7	1,638,064
0608	Zoology	22	4,789.5	-	68,137,488	339.4	33.2	2.0	36,347
0699	Other Biological Sciences	1	1,029.4	-	4,215,636	176.5	1.5	0.0	0
07	Agricultural and Veterinary Sciences	24	12,094.8	-	531,922,829	1,287.5	33.2	22.3	35,495,083
0701	Agriculture, Land and Farm Management	5	1,042.2	-	47,038,502	104.4	3.5	0.0	96,456
0702	Animal Production	9	1,804.2	-	91,724,799	155.8	0.6	1.5	23,557,000
0703	Crop and Pasture Production	13	2,660.0	-	198,690,176	254.4	15.0	8.8	11,218,833
0704	Fisheries Sciences	9	1,687.6	-	67,473,980	178.5	2.3	0.0	0
0705	Forestry Sciences	8	1,028.4	-	42,539,449	92.9	4.9	7.0	0

* All two-digit For codes shown in this table are aggregates of the four-digit For codes below, with the exception of the 'Assessed UoEs' column which are the actual values at the two-digit For code level.

** One book is equivalent to five research outputs in ERA 2015 for the calculation of low volume threshold for relevant disciplines.

*** Triadic patents count as three patents in the Total.

Continued

For Code	For Name	Assessed UoEs*	Research Outputs	Weighted** Research Outputs	Research Income (\$)	FTEs	Esteem	Patents Granted***	Commercialisation Income (\$)
0706	Horticultural Production	4	994.7	–	32,820,142	103.4	1.0	0.0	223,110
0707	Veterinary Sciences	8	2,424.9	–	50,162,175	294.8	5.9	5.0	399,685
0799	Other Agricultural and Veterinary Sciences	0	452.9	–	1,473,605	103.3	0.0	0.0	0
08	Information and Computing Sciences	34	24,856.6	25,246.7	248,350,121	1,749.6	89.1	52.9	6,716,113
0801	Artificial Intelligence and Image Processing	28	9,196.0	9,316.0	109,038,927	523.7	41.0	28.8	3,362,209
0802	Computation Theory and Mathematics	9	1,460.2	1,478.2	12,047,043	92.0	11.5	0.0	0
0803	Computer Software	11	2,359.9	2,385.4	31,063,317	178.1	4.6	0.5	1,408,730
0804	Data Format	3	879.4	883.4	3,558,521	43.7	1.0	0.0	42,493
0805	Distributed Computing	13	2,578.3	2,620.5	22,060,799	153.3	3.8	6.1	100,757
0806	Information Systems	24	6,064.2	6,193.4	60,767,939	422.8	26.0	17.4	1,795,437
0807	Library and Information Studies	5	1,393.4	1,433.4	7,970,135	159.2	1.2	0.0	6,488
0899	Other Information and Computing Sciences	0	925.3	936.5	1,843,439	176.9	0.0	0.0	0
09	Engineering	34	57,124.6	–	1,085,215,725	3,711.3	312.9	293.3	15,873,506
0901	Aerospace Engineering	3	1,066.1	–	10,664,120	62.9	0.5	0.0	0
0902	Automotive Engineering	1	655.1	–	1,374,886	38.3	2.5	0.0	0
0903	Biomedical Engineering	9	2,707.1	–	61,069,681	238.7	27.0	28.0	3,124,344
0904	Chemical Engineering	10	5,627.6	–	107,121,668	356.6	50.8	59.4	709,376
0905	Civil Engineering	21	9,363.9	–	176,684,496	523.9	40.1	11.6	1,586,881
0906	Electrical and Electronic Engineering	22	12,481.1	–	187,053,396	619.8	61.9	77.7	4,476,909
0907	Environmental Engineering	7	1,863.8	–	32,867,313	141.2	5.9	3.4	66,694
0908	Food Sciences	7	1,172.6	–	27,698,851	109.0	0.5	2.0	305,781
0909	Geomatic Engineering	4	1,454.2	–	21,213,305	104.6	4.6	0.0	0
0910	Manufacturing Engineering	4	1,315.8	–	32,324,058	86.5	4.3	0.0	0
0911	Maritime Engineering	2	762.3	–	6,383,005	61.1	0.2	0.0	22,730
0912	Materials Engineering	23	7,087.7	–	145,460,084	417.7	60.1	48.3	1,162,400
0913	Mechanical Engineering	21	5,752.9	–	133,406,912	382.0	30.4	19.0	1,152,215
0914	Resources Engineering and Extractive Metallurgy	10	2,544.4	–	130,209,762	224.8	21.7	43.0	3,146,202

* All two-digit FoR codes shown in this table are aggregates of the four-digit FoR codes below, with the exception of the 'Assessed UoEs' column which are the actual values at the two-digit FoR code level.

** One book is equivalent to five research outputs in ERA 2015 for the calculation of low volume threshold for relevant disciplines.

*** Triadic patents count as three patents in the Total.

Continued

FoR Code	FoR Name	Assessed UoEs*	Research Outputs	Weighted** Research Outputs	Research Income (\$)	FTEs	Esteem	Patents Granted***	Commercialisation Income (\$)
0915	Interdisciplinary Engineering	3	1,506.3	–	10,680,921	111.8	2.3	1.0	119,974
0999	Other Engineering	1	1,763.8	–	1,003,268	232.4	0.0	0.0	0
10	Technology	11	6,442.7	6,464.7	114,779,676	670.5	42.0	48.3	1,314,395
1001	Agricultural Biotechnology	2	339.5	–	15,771,407	53.2	2.5	6.0	177,491
1002	Environmental Biotechnology	1	323.3	–	7,168,788	27.5	1.2	4.4	0
1003	Industrial Biotechnology	1	263.3	–	12,984,355	32.5	1.4	6.0	59,306
1004	Medical Biotechnology	2	567.1	–	15,872,284	163.6	7.7	24.0	131,598
1005	Communications Technologies	5	1,811.4	1,833.4	27,690,661	107.9	9.9	4.0	946,000
1006	Computer Hardware	1	244.9	244.9	4,027,525	24.4	0.0	0.0	0
1007	Nanotechnology	7	1,051.3	–	30,763,221	104.0	19.3	4.0	0
1099	Other Technology	0	1,841.8	–	501,435	157.5	0.0	0.0	0
11	Medical and Health Sciences	39	90,650.5	–	3,670,303,937	9,788.8	1,537.6	236.5	75,292,607
1101	Medical Biochemistry and Metabolomics	6	1,027.0	–	27,250,438	149.8	8.2	9.1	302,637
1102	Cardiovascular Medicine and Haematology	12	3,771.5	–	197,695,308	292.9	86.9	11.0	1,654,137
1103	Clinical Sciences	30	22,926.4	–	681,414,047	1,846.4	203.3	31.0	9,380,344
1104	Complementary and Alternative Medicine	3	973.7	–	6,483,885	134.9	8.5	0.0	–
1105	Dentistry	7	1,557.2	–	36,118,015	179.1	8.0	33.7	315,906
1106	Human Movement and Sports Science	29	5,292.5	–	55,160,670	500.4	32.7	5.3	–
1107	Immunology	12	2,801.7	–	226,259,312	351.8	106.2	19.7	33,903,755
1108	Medical Microbiology	14	2,004.9	–	129,879,071	244.7	62.6	12.5	522,967
1109	Neurosciences	20	5,321.6	–	351,620,865	598.6	163.8	32.8	1,811,511
1110	Nursing	30	4,976.8	–	115,145,636	876.4	32.9	0.8	–
1111	Nutrition and Dietetics	14	1,604.3	–	53,477,941	192.7	30.4	0.5	–
1112	Oncology and Carcinogenesis	14	4,466.8	–	340,239,844	396.3	73.5	19.2	12,206,998
1113	Ophthalmology and Optometry	8	2,313.6	–	59,880,990	201.2	14.3	20.5	628,426
1114	Paediatrics and Reproductive Medicine	11	4,954.1	–	165,204,242	340.6	79.0	5.5	971,457
1115	Pharmacology and Pharmaceutical Sciences	19	5,001.5	–	154,179,844	491.2	62.0	29.3	13,258,364

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*** Triadic patents count as three patents in the Total.

Continued

FoR Code	FoR Name	Assessed UoEs*	Research Outputs	Weighted** Research Outputs	Research Income (\$)	FTEs	Esteem	Patents Granted***	Commercialisation Income (\$)	Research Income (\$)
1116	Medical Physiology	11	1,636.2	–	57,422,599	195.7	40.7	2.0	336,108	
1117	Public Health and Health Services	32	16,986.2	–	956,673,866	1,986.1	502.9	3.0	–	
1199	Other Medical and Health Sciences	8	3,034.5	–	56,197,363	810.1	21.5	0.5	–	
12	Built Environment and Design	22	9,934.2	10,726.7	89,679,775	1,109.6	27.5	0.0	92,692	
1201	Architecture	14	2,685.2	2,937.9	21,356,181	314.3	11.9	0.0	0	
1202	Building	9	2,050.2	2,127.8	9,133,862	152.0	1.1	0.0	0	
1203	Design Practice and Management	7	1,899.3	2,022.3	11,298,329	240.6	3.5	0.0	92,692	
1204	Engineering Design	0	85.4	94.7	869,787	13.6	0.0	0.0	0	
1205	Urban and Regional Planning	14	2,885.2	3,178.3	46,409,900	263.1	11.0	0.0	0	
1299	Other Built Environment and Design	0	328.8	365.6	611,716	125.9	0.0	0.0	0	
13	Education	38	20,286.9	21,684.5	215,728,415	2,938.7	63.7	–	1,362,916	
1301	Education Systems	26	4,060.0	4,348.9	48,768,590	588.3	17.9	–	689,052	
1302	Curriculum and Pedagogy	32	6,611.2	7,039.6	65,041,577	903.3	16.5	–	451,416	
1303	Specialist Studies in Education	35	8,669.1	9,301.8	100,857,219	1,049.7	29.3	–	222,448	
1399	Other Education	0	946.5	994.2	1,061,028	397.4	0.0	–	0	
14	Economics	34	7,386.5	7,870.3	151,172,292	947.3	91.9	–	12,843	
1401	Economic Theory	8	752.5	812.5	6,738,091	107.8	9.3	–	0	
1402	Applied Economics	31	5,312.8	5,655.3	127,426,803	611.5	70.3	–	7,201	
1403	Econometrics	7	683.0	714.6	14,198,254	100.7	12.0	–	5,642	
1499	Other Economics	1	638.2	687.9	2,809,144	127.3	0.4	–	0	
15	Commerce, Management, Tourism and Services	37	23,384.0	24,333.8	153,344,580	3,175.4	46.9	–	148,065	
1501	Accounting, Auditing and Accountability	20	2,612.7	2,711.1	13,151,821	576.9	7.2	–	0	
1502	Banking, Finance and Investment	20	2,486.6	2,574.5	29,824,126	428.1	4.2	–	0	
1503	Business and Management	33	8,920.8	9,370.3	70,560,712	1,030.6	29.6	–	18,139	
1504	Commercial Services	4	908.9	952.9	3,507,985	129.0	0.0	–	122,387	
1505	Marketing	26	3,759.2	3,792.8	22,417,165	441.0	2.1	–	7,539	

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*** Triadic patents count as three patents in the Total.

Continued

For Code	For Name	Assessed UoEs*	Research Outputs	Weighted** Research Outputs	Research Income (\$)	FTEs	Esteem	Patents Granted***	Commercialisation Income (\$)
1506	Tourism	16	2,471.6	2,586.6	11,644,448	192.2	2.7	-	0
1507	Transportation and Freight Services	2	756.6	764.6	1,398,734	66.6	1.1	-	0
1599	Other Commerce, Management, Tourism and Services	3	1,467.5	1,581.1	839,589	311.2	0.0	-	0
16	Studies in Human Society	39	22,976.7	26,849.2	392,138,498	2,411.9	294.2	-	0
1601	Anthropology	11	1,748.2	2,144.9	24,461,024	193.9	66.7	-	0
1602	Criminology	13	2,131.6	2,450.8	22,399,866	206.1	11.6	-	0
1603	Demography	2	508.6	562.0	16,054,430	53.0	8.3	-	0
1604	Human Geography	15	2,032.3	2,221.0	31,161,707	188.1	29.4	-	0
1605	Policy and Administration	17	3,156.5	3,596.8	82,878,935	314.9	30.1	-	0
1606	Political Science	20	5,277.3	6,600.7	80,312,217	505.7	82.3	-	0
1607	Social Work	14	2,097.4	2,321.5	33,776,902	262.5	1.7	-	0
1608	Sociology	27	4,992.6	5,793.7	90,502,800	476.7	54.6	-	0
1699	Other Studies in Human Society	2	1,032.3	1,157.8	10,590,617	211.1	9.4	-	0
17	Psychology and Cognitive Sciences	33	14,377.1	-	265,456,454	1,421.5	203.7	-	3,236,394
1701	Psychology	32	11,896.6	-	247,392,700	1,135.9	195.5	-	3,236,394
1702	Cognitive Sciences	5	1,520.0	-	11,271,220	140.6	7.9	-	0
1799	Other Psychology and Cognitive Sciences	2	960.5	-	6,792,533	145.0	0.3	-	0
18	Law and Legal Studies	30	10,252.5	11,954.9	75,699,347	1,339.2	65.4	-	-
1801	Law	30	10,035.1	11,729.5	75,432,849	1,243.2	65.4	-	-
1802	Maori Law	0	0.0	0.0	0	2.2	0.0	-	-
1899	Other Law and Legal Studies	0	217.4	225.4	266,498	93.8	0.0	-	-
19	Studies in Creative Arts and Writing	36	12,939.7	14,177.4	38,443,728	1,557.1	162.7	0.0	255,837
1901	Art Theory and Criticism	7	1,183.5	1,418.3	5,295,516	109.9	16.2	0.0	0
1902	Film, Television and Digital Media	13	2,145.7	2,418.0	6,794,972	279.2	25.8	0.0	154,457
1903	Journalism and Professional Writing	6	686.8	824.4	1,421,114	108.6	2.0	0.0	0
1904	Performing Arts and Creative Writing	29	5,308.6	5,729.0	17,655,903	604.8	65.7	0.0	94,953

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Continued

FoR Code	FoR Name	Assessed UoEs*	Research Outputs	Weighted** Research Outputs	Research Income (\$)	FTEs	Esteem	Patents Granted***	Commercialisation Income (\$)
1905	Visual Arts and Crafts	15	3,352.7	3,479.1	6,943,075	357.5	52.0	0.0	6,427
1999	Other Studies in Creative Arts and Writing	0	262.5	308.6	333,149	97.1	1.0	0.0	0
20	Language, Communication and Culture	33	13,409.7	16,701.1	96,737,219	1,574.9	224.0	-	12,963
2001	Communication and Media Studies	18	2,349.1	2,830.2	18,336,776	275.0	17.8	-	7,539
2002	Cultural Studies	21	3,486.7	4,408.8	23,587,083	350.4	48.1	-	0
2003	Language Studies	3	836.2	1,079.4	4,980,847	153.7	15.6	-	0
2004	Linguistics	16	3,104.7	3,753.8	27,597,691	304.8	60.2	-	5,424
2005	Literary Studies	19	3,275.9	4,204.9	21,377,776	345.0	81.9	-	0
2099	Other Language, Communication and Culture	0	357.0	424.0	857,046	146.0	0.3	-	0
21	History and Archaeology	28	7,934.1	10,553.1	116,037,147	773.6	303.6	0.0	24,871
2101	Archaeology	13	1,797.4	2,027.8	43,731,055	144.7	71.7	-	24,871
2102	Curatorial and Related Studies	4	389.2	425.9	4,827,176	45.2	6.6	0.0	0
2103	Historical Studies	27	5,586.3	7,860.2	67,326,993	543.5	225.4	-	0
2199	Other History and Archaeology	0	161.2	239.2	151,923	40.3	0.0	-	0
22	Philosophy and Religious Studies	24	6,619.1	8,375.8	47,552,105	616.8	118.1	-	40,895
2201	Applied Ethics	7	1,181.8	1,353.4	7,648,574	100.5	12.1	-	40,895
2202	History and Philosophy of Specific Fields	6	960.5	1,172.6	9,601,187	86.8	24.1	-	0
2203	Philosophy	18	2,204.8	2,695.6	16,705,077	201.6	64.3	-	0
2204	Religion and Religious Studies	12	2,115.8	2,978.0	13,597,267	190.0	17.2	-	0
2299	Other Philosophy and Religious Studies	0	156.2	176.2	0	38.0	0.3	-	0

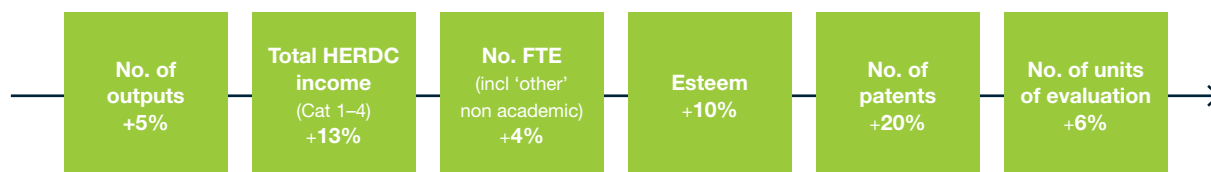
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Comparison of ERA 2010, ERA 2012 and ERA 2015

Percentage changes between 2012 and 2015



Number of outputs, applied and esteem measures in the three ERA rounds

The following table provides an overview of the types and volume of research outputs, applied measures (excluding income) and esteem measures submitted to ERA 2010, ERA 2012 and ERA 2015.¹

Traditional research outputs (books, book chapters, journal articles and conference publications) apply to all disciplines. In ERA 2015 there is a new category of non-traditional research outputs, entitled 'research report for an external body' which applies to all disciplines. Other non-traditional outputs (curated or exhibited event, live performance, original creative work, recorded/rendered work) and portfolios only apply to some disciplines.²

There has been an increase in the number of traditional research outputs over the three ERA time periods, particularly journal articles. This may have been influenced by a number of factors, such as additional journals included in the *2015 ERA Submission Journal List* resulting in more articles being eligible for ERA; improvements in institutions' data collection practices; and an increase in the number of full-time equivalent staff (FTE) employed in the higher education research system.

¹ **Section 4** provides a more detailed breakdown of research outputs submitted to ERA 2015.

² See the ERA 2015 Discipline Matrix (available at arc.gov.au/era-2015-submission-documents).

Research Outputs*	2010	2012	2015
Traditional outputs			
Book	4,912	5,270	5,488
Book chapter	34,755	39,597	45,269
Journal article	206,816	286,637	301,499
Conference publication	73,741	72,977	69,610
Non-traditional outputs			
Curated or exhibited event	750	777	753
Live performance	1,807	821	913
Original creative work	9,052	6,026	5,244
Recorded/rendered work	1,260	790	727
Research report for an external body	–	–	2,453
Portfolio of non-traditional research outputs	374	583	791
TOTAL **	333,467	413,477	432,747
Applied measures			
NHMRC Endorsed Guidelines	49	50	64
Patents	671	781	936
Registered designs	1	0	7
Plant Breeder's Rights	31	39	30
Esteem measures			
Editor of a prestigious work of reference	34	48	57
Membership of a learned academy or AIATSIS	1,038	1,287	1,416
Recipient of a Nationally Competitive Research Fellowship	2,566	2,729	3,120
Membership of a statutory committee	332	366	262
Recipient of an Australia Council Grant or Fellowship	75	56	84

Notes:

* Totals are as reported in the respective ERA national reports, please note the algorithm for removing duplicated outputs has been refined between ERA rounds.

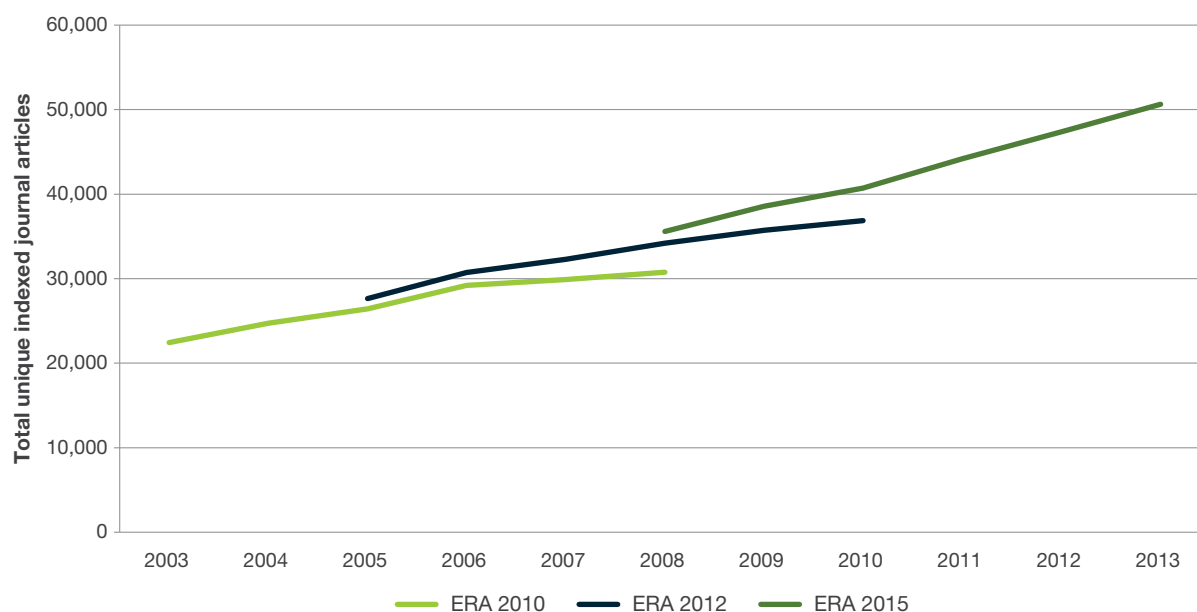
**Output types within portfolios are not included in the total.

Trends in indexed journal articles in the three ERA rounds

The following chart presents the yearly volume of indexed journal articles in each of the three ERA rounds to date: ERA 2010, ERA 2012 and ERA 2015. In ERA 2010, eligible institutions submitted a total of 22,483 unique indexed journal articles for the year 2003. In ERA 2015, eligible institutions submitted a total of 50,646 unique indexed journal articles for the year 2013 — a more than doubling in volume.

Since the algorithm for removing output duplication is refined between ERA rounds, the chart focusses on indexed journal articles. Indexed journal articles have a unique article identifier which allows the most accurate removal of duplicates and therefore enables comparisons across ERA rounds.

VOLUME OF UNIQUE INDEXED JOURNAL ARTICLES: THREE ERA ROUNDS



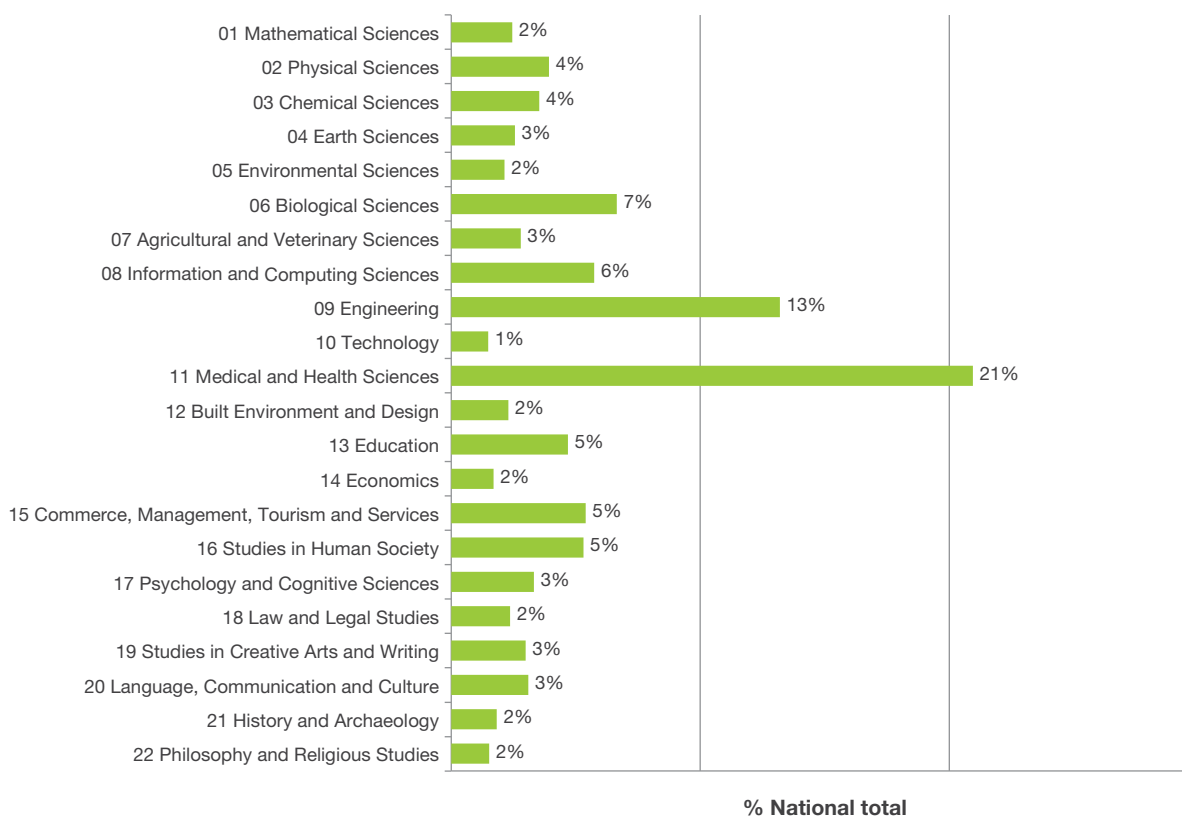
Note: There are some differences in the number of indexed journal articles for the overlap years between ERA rounds, this may be due to staff entering or leaving the system, changes in eligible research outputs, etc.

Percentage Contribution to the National Landscape

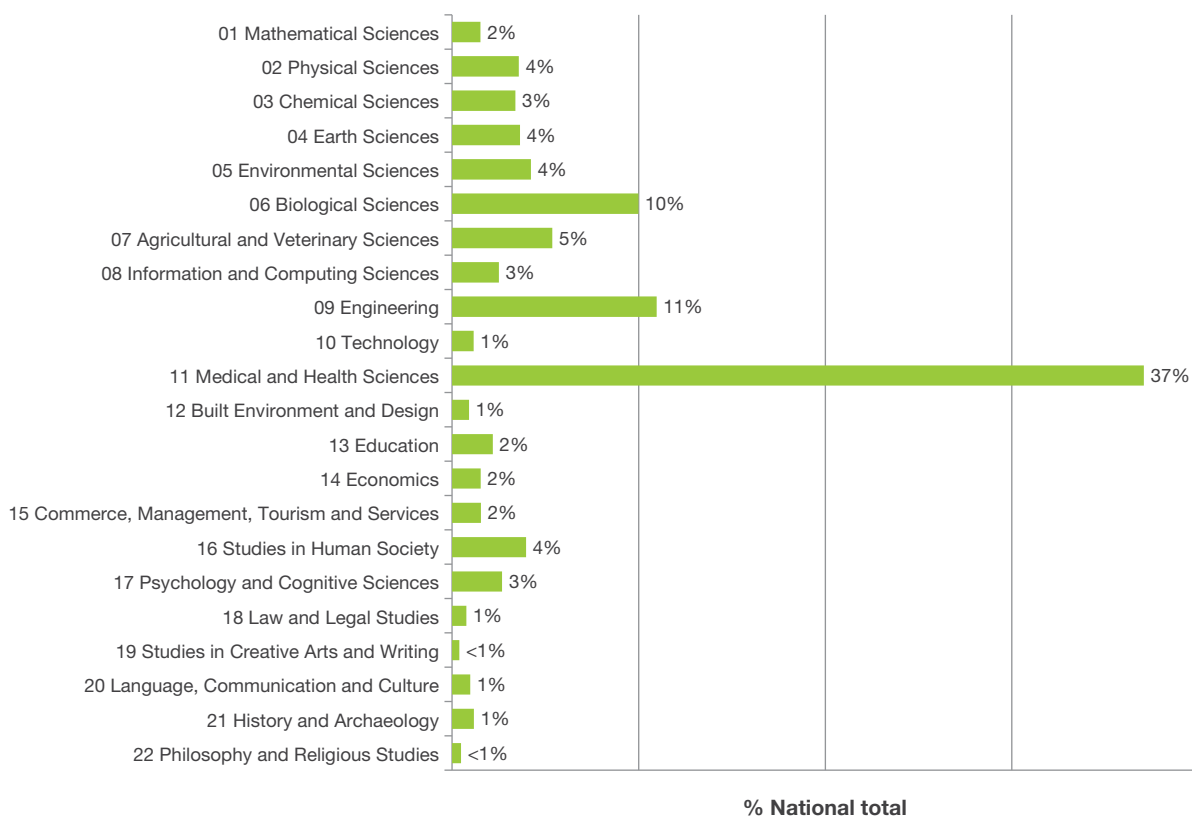
The following charts show the research activity attributed to two-digit FoRs as a proportion of total research activity submitted to all FoR codes in ERA 2015 for research outputs, research income, staff (FTE), esteem, patents granted and research commercialisation income.

Each chart shows how much of the total national share is contributed by the two-digit codes to each of the indicators that form part of the ERA 2015 evaluation. For example, 06 Biological Sciences account for a seven per cent share of the national total of research outputs, a 10 per cent share of the national total of research income, an eight per cent share of the national total of staff (FTE), an 11 per cent share of national total of esteem measures, a 13 per cent share of the national total of patents granted and a three per cent share of the national total of research commercialisation income.

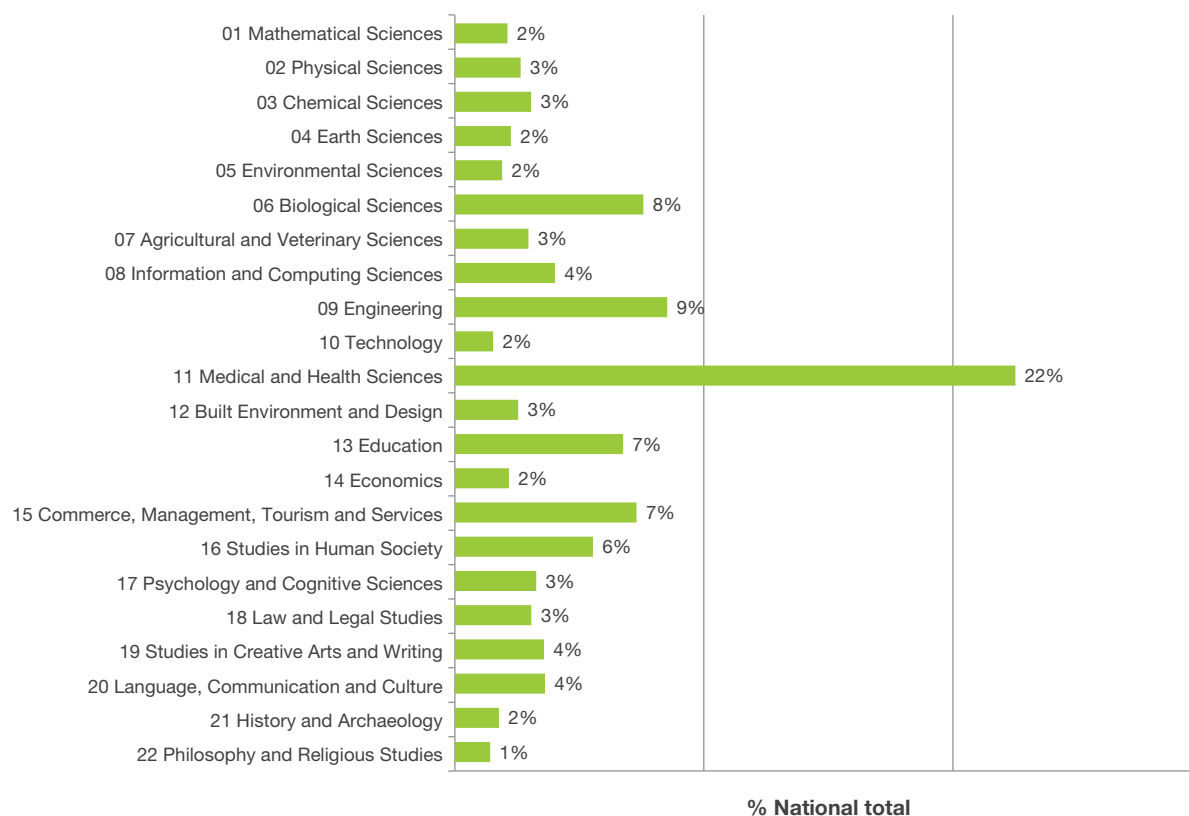
Research outputs



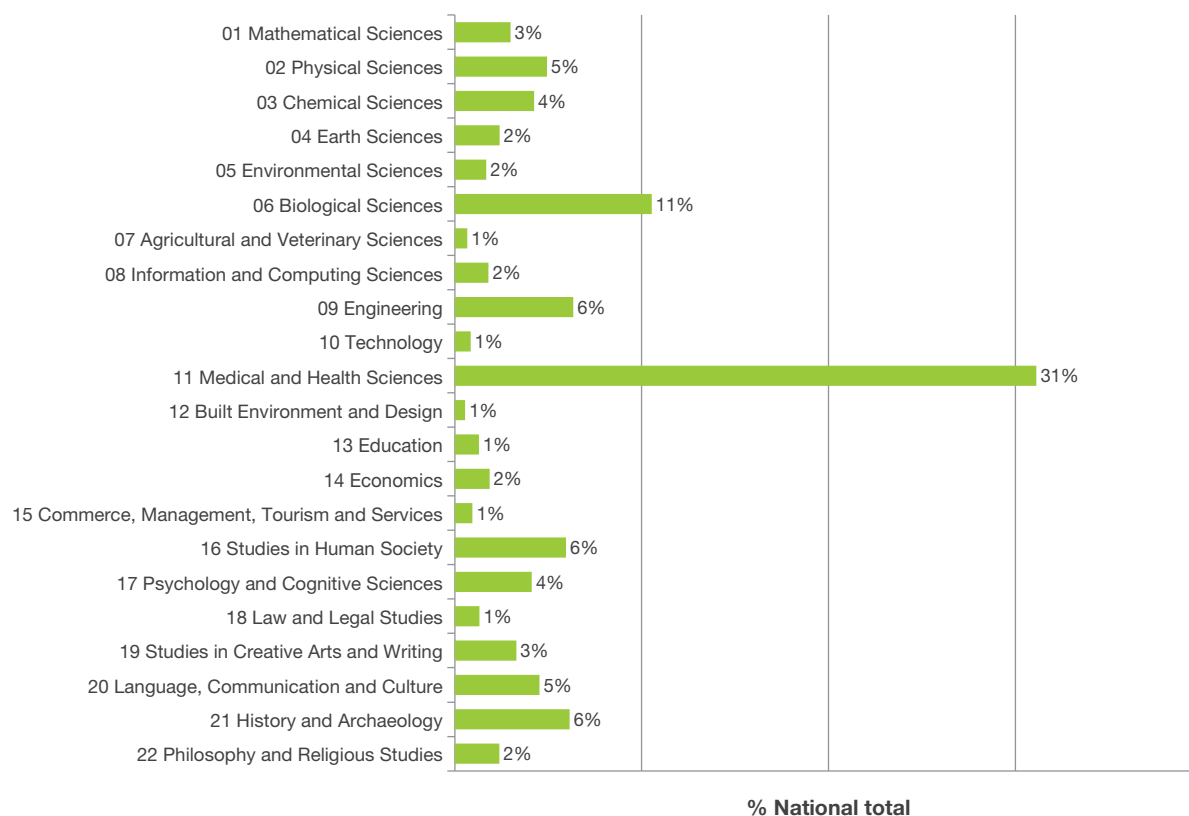
Research income



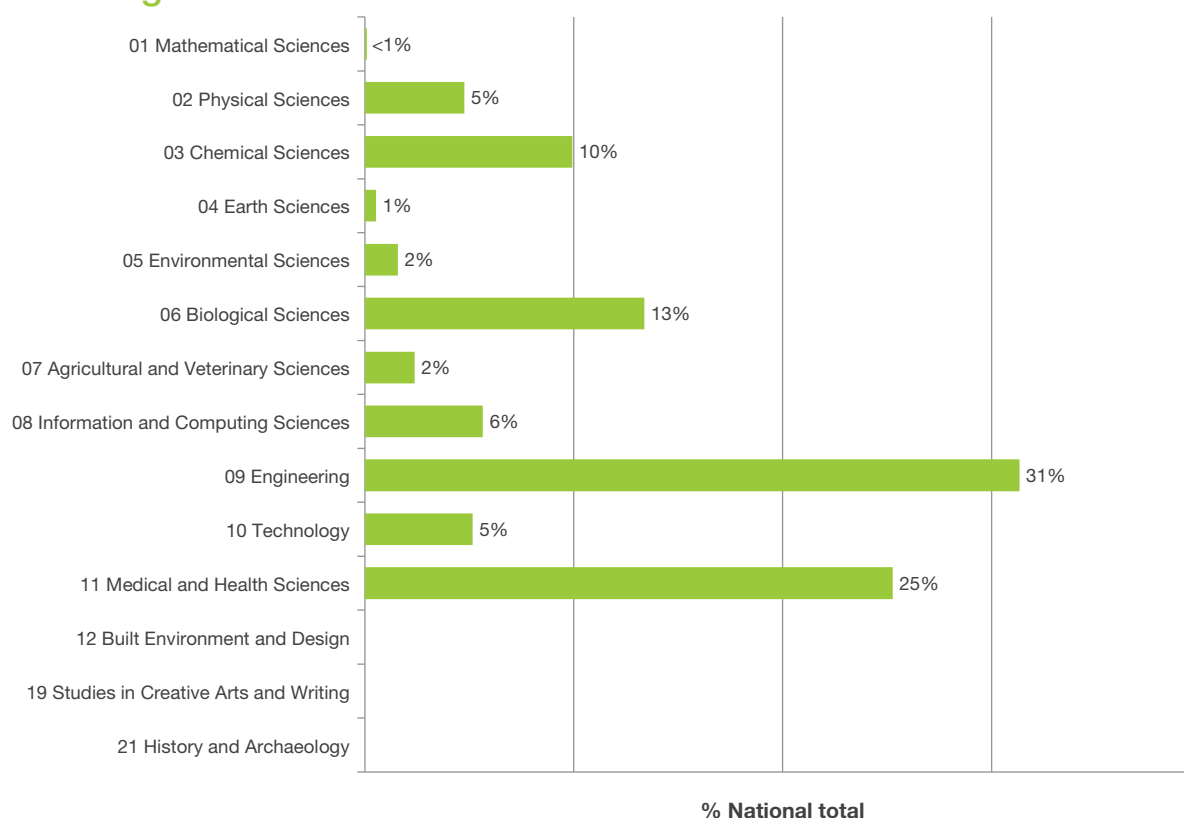
Staff (FTE)



Esteem

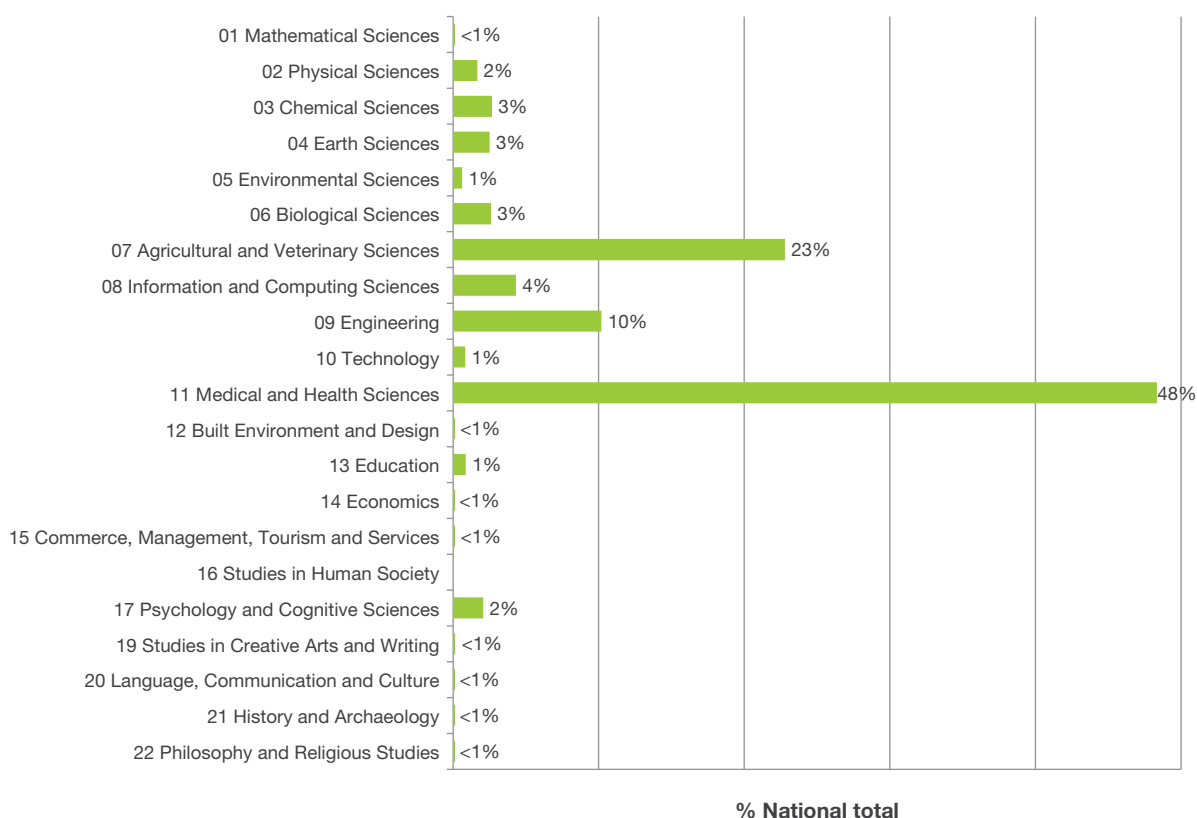


Patents granted



Note: The FoRs that do not use patents as an Applied Measure do not appear in the table.

Research commercialisation income



Note: Two- and four-digit FoR codes for Law and Legal Studies (18) do not use research commercialisation income as an applied measure nor do some underlying four-digit codes in Medical and Health Sciences (11).

Discipline Growth

This sub-section presents analyses of the changes in output volume over time at the two- and four-digit discipline levels for ERA 2015.

Two-digit discipline growth

The total volume of outputs (i.e. all output types excluding portfolios which do not report by year in the submitted data) for each year of the ERA 2015 reference period increased from 63,400 in 2008 to 81,740 in 2013, which represented a 29 per cent growth on 2008 levels. On a discipline basis, all two-digit disciplines grew from 2008 to 2013, with many experiencing steady, year on year increases.

The following table presents output volume for each two-digit discipline in 2008 and 2013. It also presents the percentage growth from 2008 to 2013 and indicates which year of the reference period had the highest volume. Most disciplines peaked in 2013, at the end of the period. Percentage growth from 2008 to 2013 varied between the disciplines, ranging from two per cent for 15 Commerce, Management, Tourism and Services, to 61 per cent for 12 Built Environment and Design. Other disciplines with high growth in outputs include 05 Environmental Sciences (54 per cent), 11 Medical and Health Sciences (42 per cent) and 09 Engineering (38 per cent).

The charts show volume data for selected disciplines in more detail. Trends in output volume over the period are presented for those disciplines that experienced above-average growth (>29 per cent, first two figures).

TWO-DIGIT DISCIPLINE GROWTH BETWEEN 2008 AND 2013

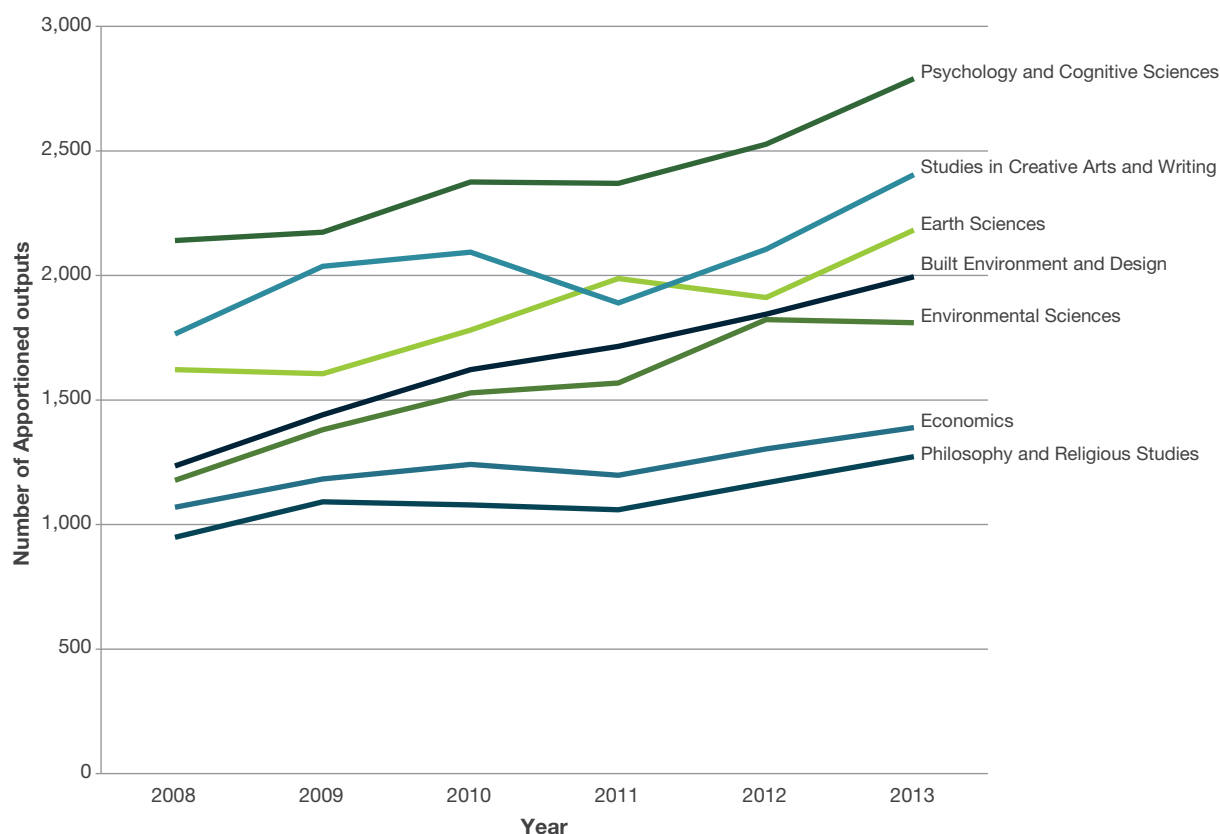
FoR Code	FoR Name	Outputs 2008	Outputs 2013	Growth 2008–2013	Peak year
12	Built Environment and Design	1,235.3	1,994.5	61%	2013
05	Environmental Sciences	1,177.8	1,810.1	54%	2012
11	Medical and Health Sciences	12,862.2	18,290.7	42%	2013
09	Engineering	7,938.7	10,969.0	38%	2013
19	Studies in Creative Arts and Writing	1,764.9	2,405.0	36%	2013
04	Earth Sciences	1,622.0	2,182.0	35%	2013
22	Philosophy and Religious Studies	948.8	1,272.4	34%	2013
17	Psychology and Cognitive Sciences	2,140.2	2,790.5	30%	2013
14	Economics	1,069.5	1,389.5	30%	2013
–	All FoRs	63,400.0	81,740.0	29%	2013
13	Education	2,996.7	3,877.5	29%	2013
21	History and Archaeology	1,190.3	1,525.2	28%	2013
16	Studies in Human Society	3,489.9	4,398.4	26%	2013
18	Law and Legal Studies	1,497.1	1,870.9	25%	2013
06	Biological Sciences	4,298.0	5,368.1	25%	2013
03	Chemical Sciences	2,235.0	2,748.7	23%	2013
02	Physical Sciences	2,448.4	3,011.1	23%	2012

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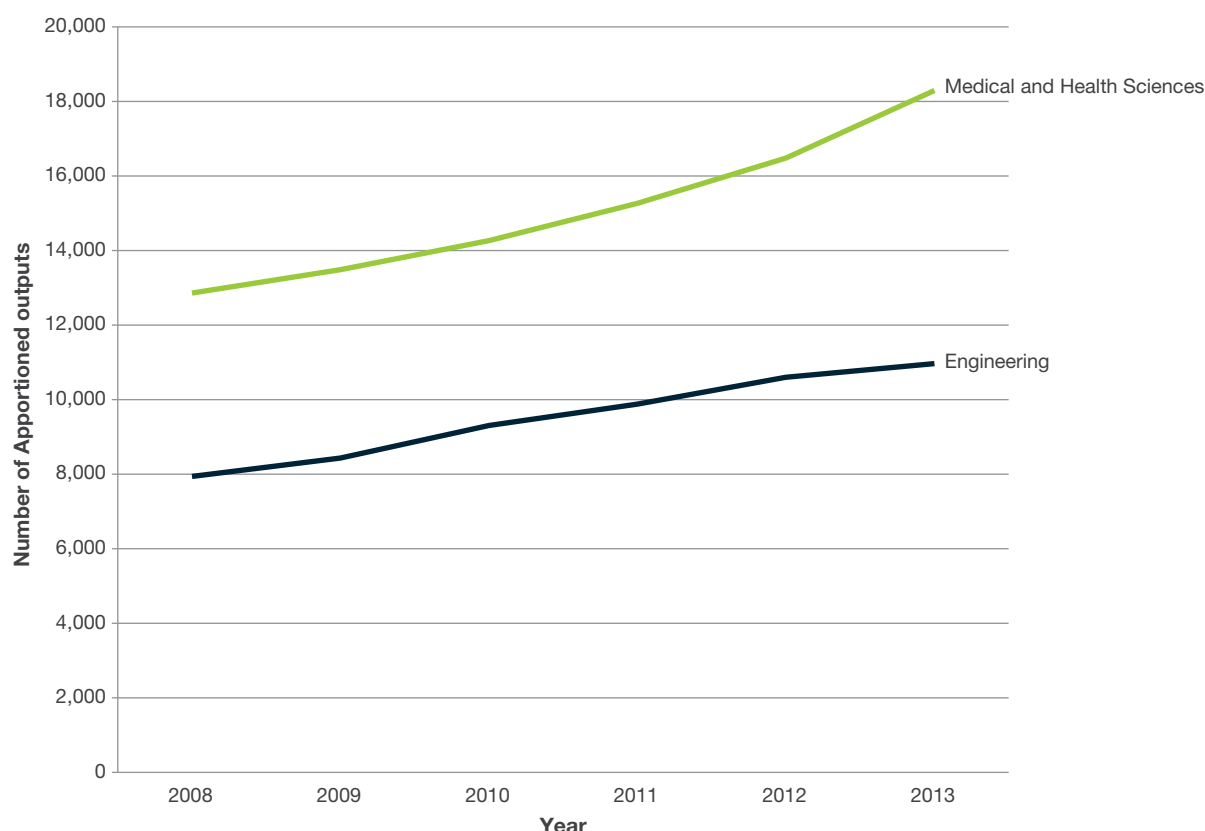
FoR Code	FoR Name	Outputs 2008	Outputs 2013	Growth 2008–2013	Peak year
08	Information and Computing Sciences	3,816.8	4,439.8	16%	2013
20	Language, Communication and Culture	2,106.6	2,398.9	14%	2013
01	Mathematical Sciences	1,697.9	1,836.9	8%	2013
10	Technology	1,097.2	1,180.3	8%	2013
07	Agricultural and Veterinary Sciences	1,913.3	2,054.0	7%	2012
15	Commerce, Management, Tourism and Services	3,853.2	3,926.4	2%	2011

TRENDS IN TWO-DIGIT OUTPUT VOLUME – HIGH-GROWTH DISCIPLINES

The first chart shows a selection of disciplines that had an above average growth in volume of outputs (i.e. >29 per cent) for the period 2008 to 2013. Medical and Health Sciences (11), and 09 Engineering also experienced above average growth for the period (42 per cent and 38 per cent, respectively), these two-digit FoR codes are shown separately in the second chart due to their much larger volume.



TRENDS IN TWO-DIGIT OUTPUT VOLUME – HIGH-GROWTH, LARGE VOLUME DISCIPLINES



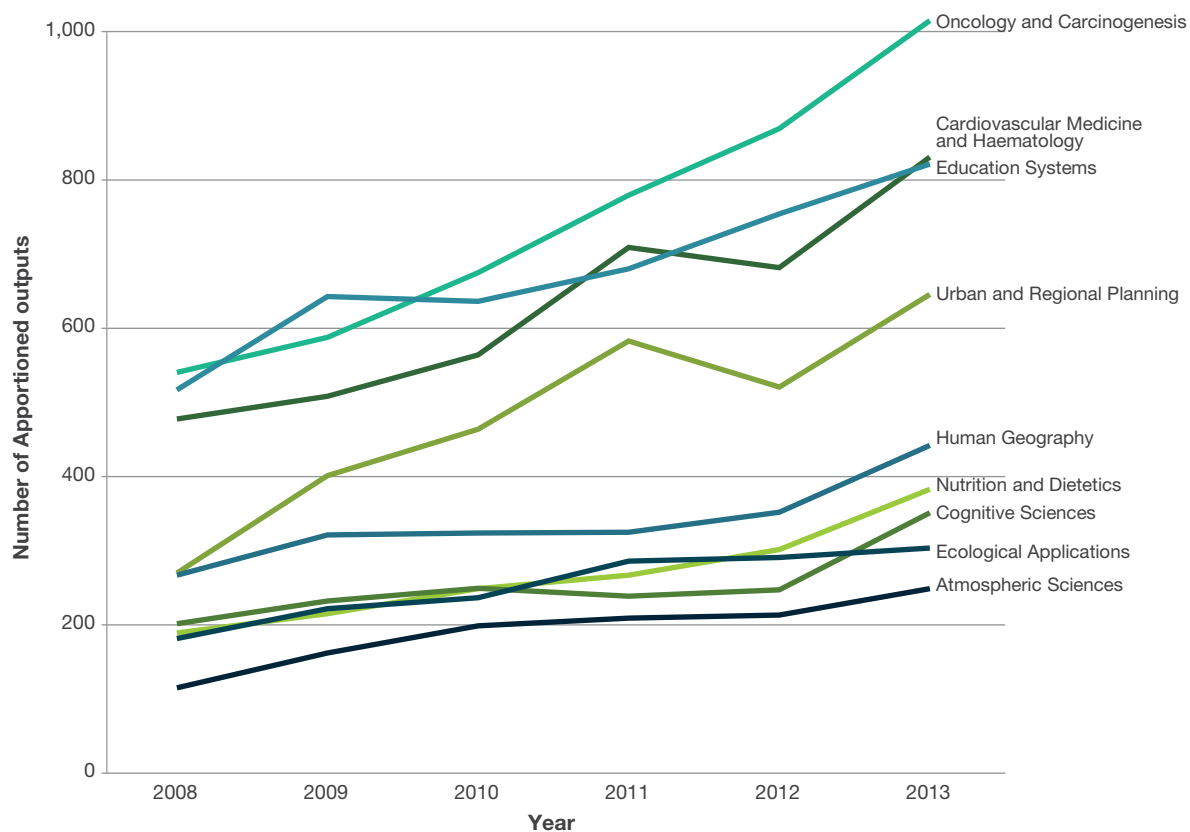
Four-digit discipline growth

The percentage growth in submitted outputs from 2008 to 2013 was calculated for all four-digit disciplines that had more than 1,000 outputs submitted for the whole reference period (disciplines with less than 1,000 outputs were considered too small to discern a meaningful trend). Most four-digit disciplines grew over the period 2008 to 2013 (108 out of 118 in this analysis), with only 10 showing negative growth. The majority of disciplines had their highest number of outputs in 2013, at the end of the period.

Growth rates ranged from –24 per cent (0103 Numerical and Computational Mathematics) to +139 per cent (1205 Urban and Regional Planning). The average for all disciplines was 29 per cent growth. In absolute terms, the disciplines that showed the largest growth were 1103 Clinical Sciences (1,320.8 more outputs in 2013 than in 2008), and 1117 Public Health and Health Services (1,198.7 more outputs in 2013). The figure below shows output growth for those four-digit disciplines that grew at more than twice the average of 29 per cent (i.e. > 58 per cent growth from 2008 to 2013). The table that follows presents output data for the four-digit disciplines that showed growth over the period 2008 to 2013 that was at or above the average rate of 29 per cent.

TRENDS IN FOUR-DIGIT OUTPUT GROWTH – HIGH-GROWTH DISCIPLINES

The chart shows those four-digit disciplines that had growth from 2008 to 2013 that was more than twice the average for all FoRs (> 58 per cent).



FOUR-DIGIT DISCIPLINE GROWTH BETWEEN 2008 AND 2013

FoR Code	FoR Name	2008	2009	2010	2011	2012	2013	Total 2008 to 2013	Growth 2008 to 2013	Peak year
1205	Urban and Regional Planning	269.9	401.3	464.0	582.8	520.6	645.6	2,884.2	139%	2013
0401	Atmospheric Sciences	115.2	162.1	198.8	209.1	213.1	248.8	1,147.1	116%	2013
1111	Nutrition and Dietetics	189.1	215.1	248.8	267.1	301.4	382.8	1,604.3	102%	2013
1112	Oncology and Carcinogenesis	540.5	587.6	674.9	779.5	869.3	1,014.9	4,466.8	88%	2013
1702	Cognitive Sciences	201.5	232.1	249.4	238.7	247.3	351.1	1,520.0	74%	2013
1102	Cardiovascular Medicine and Haematology	477.7	508.2	564.0	709.0	681.8	830.8	3,771.5	74%	2013
0501	Ecological Applications	181.5	221.9	236.5	286.0	290.8	303.7	1,520.5	67%	2013
1604	Human Geography	267.0	321.3	323.9	325.0	351.9	442.2	2,031.3	66%	2013
1301	Education Systems	516.9	642.9	636.2	680.1	754.2	821.5	4,051.7	59%	2013
1607	Social Work	287.2	342.5	317.8	335.3	366.4	448.2	2,097.4	56%	2013
0905	Civil Engineering	1,265.8	1,272.4	1,390.1	1,671.5	1,791.1	1,973.0	9,363.9	56%	2013
0303	Macromolecular and Materials Chemistry	298.7	296.2	384.4	408.0	384.3	464.9	2,236.5	56%	2013
0914	Resources Engineering and Extractive Metallurgy	329.0	383.2	434.7	412.8	472.8	511.8	2,544.4	56%	2013
1117	Public Health and Health Services	2,302.5	2,430.2	2,692.5	2,906.2	3,153.6	3,501.2	16,986.2	52%	2013
1203	Design Practice and Management	230.0	298.5	307.7	334.9	357.8	349.0	1,877.8	52%	2012
1109	Neurosciences	727.7	813.9	862.2	884.6	934.1	1,099.2	5,321.6	51%	2013
0503	Soil Sciences	176.2	206.4	302.7	222.2	302.0	265.3	1,474.7	51%	2010
0502	Environmental Science and Management	709.4	819.2	849.6	921.3	1,097.5	1,066.0	5,462.9	50%	2011
1904	Performing Arts and Creative Writing	660.0	785.6	828.1	769.3	949.5	986.5	4,979.0	49%	2013
0805	Distributed Computing	338.3	374.6	419.5	467.0	477.6	501.3	2,578.3	48%	2013
1602	Criminology	308.2	300.8	318.5	374.5	368.1	456.6	2,126.6	48%	2013
1113	Ophthalmology and Optometry	308.1	364.8	380.7	396.1	409.7	454.2	2,313.6	47%	2013
2204	Religion and Religious Studies	300.0	314.8	332.9	340.1	386.4	441.6	2,115.8	47%	2013
0406	Physical Geography and Environmental Geoscience	357.2	357.0	362.4	491.0	383.5	521.4	2,472.5	46%	2013
1114	Paediatrics and Reproductive Medicine	696.8	726.7	724.0	858.7	933.8	1,014.0	4,954.1	46%	2013
0702	Animal Production	220.5	330.6	326.8	333.2	273.7	319.5	1,804.2	45%	2011
0807	Library and Information Studies	189.0	180.0	260.4	237.6	252.7	273.7	1,393.4	45%	2013
0604	Genetics	346.0	378.8	365.8	456.2	483.8	497.1	2,527.8	44%	2013
1402	Applied Economics	717.3	821.1	895.3	889.3	959.5	1,029.2	5,311.8	43%	2013

Continued

FOUR-DIGIT DISCIPLINE GROWTH BETWEEN 2008 AND 2013

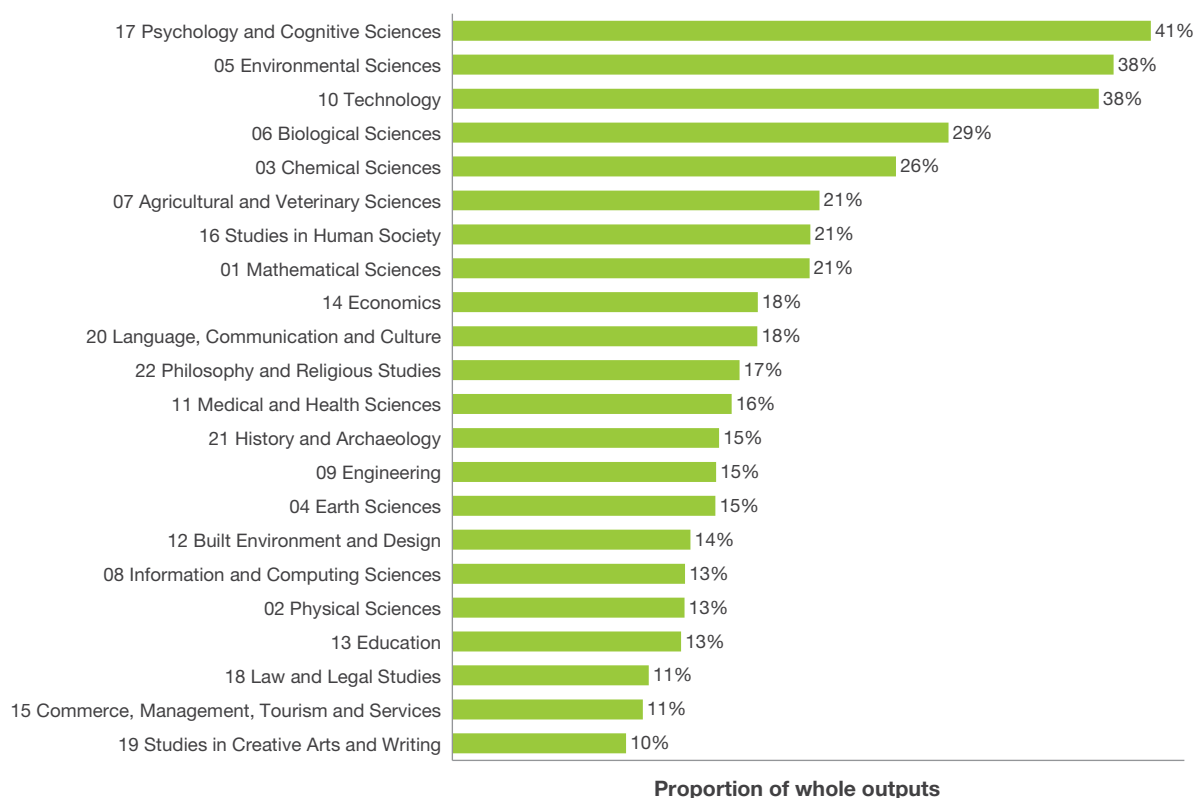
FoR Code	FoR Name	2008	2009	2010	2011	2012	2013	Total 2008 to 2013	Growth 2008 to 2013	Peak year
0603	Evolutionary Biology	358.0	382.7	364.2	406.1	494.6	512.7	2,518.3	43%	2013
0701	Agriculture, Land and Farm Management	141.7	160.4	175.0	176.6	186.3	202.1	1,042.2	43%	2013
1199	Other Medical and Health Sciences	446.5	458.0	492.6	468.1	533.1	636.1	3,034.5	42%	2013
1901	Art Theory and Criticism	166.8	205.4	198.4	187.9	167.0	236.0	1,161.5	42%	2013
0904	Chemical Engineering	773.4	909.9	913.5	977.0	968.4	1,085.4	5,627.6	40%	2013
1202	Building	289.2	284.8	342.3	312.6	415.5	405.8	2,050.2	40%	2012
2201	Applied Ethics	160.3	199.5	191.9	188.9	215.5	224.7	1,180.8	40%	2013
1103	Clinical Sciences	3,331.4	3,435.5	3,589.3	3,792.8	4,125.4	4,652.1	22,926.4	40%	2013
2101	Archaeology	265.2	279.1	299.8	279.7	304.2	369.4	1,797.4	39%	2013
0304	Medicinal and Biomolecular Chemistry	255.0	313.7	356.2	360.3	406.8	353.9	2,045.9	39%	2012
0901	Aerospace Engineering	151.4	150.9	157.6	200.6	196.2	209.3	1,066.1	38%	2013
0903	Biomedical Engineering	384.5	371.9	451.7	477.7	489.9	531.4	2,707.1	38%	2013
0605	Microbiology	421.5	451.3	452.3	496.8	541.8	578.9	2,942.7	37%	2013
0906	Electrical and Electronic Engineering	1,713.8	1,805.3	1,985.2	2,211.0	2,425.3	2,340.4	12,481.1	37%	2012
1106	Human Movement and Sports Science	757.6	853.2	885.0	859.1	907.6	1,029.9	5,292.5	36%	2013
1110	Nursing	713.1	767.4	795.2	834.6	899.0	967.5	4,976.8	36%	2013
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	371.4	368.1	385.4	479.5	648.1	503.9	2,756.4	36%	2012
0913	Mechanical Engineering	851.6	847.7	923.7	953.3	1,023.5	1,153.1	5,752.9	35%	2013
0907	Environmental Engineering	255.5	304.6	299.0	371.6	287.5	345.6	1,863.8	35%	2011
0201	Astronomical and Space Sciences	676.2	688.4	769.3	840.5	960.1	914.7	4,849.1	35%	2012
0915	Interdisciplinary Engineering	206.4	223.5	261.9	264.9	271.2	278.3	1,506.3	35%	2013
0909	Geomatic Engineering	213.9	252.2	228.6	250.7	222.1	286.7	1,454.2	34%	2013
0405	Oceanography	178.6	147.8	189.9	249.6	222.4	238.9	1,227.2	34%	2011
0912	Materials Engineering	938.8	1,072.2	1,297.7	1,154.9	1,376.1	1,248.0	7,087.7	33%	2012
1699	Other Studies in Human Society	162.7	168.6	158.2	157.8	171.7	213.3	1,032.3	31%	2013
2203	Philosophy	318.2	380.8	366.7	345.8	377.9	415.4	2,204.8	31%	2013
1902	Film, Television and Digital Media	337.8	361.3	340.6	311.7	322.4	440.9	2,114.6	31%	2013
1302	Curriculum and Pedagogy	971.7	1,018.5	1,081.1	1,076.0	1,203.5	1,259.5	6,610.4	30%	2013
0305	Organic Chemistry	245.9	277.9	292.9	310.0	344.0	318.2	1,788.9	29%	2012
All four-digit FoRs		63,400.0	66,819.0	70,203.0	72,484.0	77,310.0	81,740.0	431,955.9	29%	2013

Multi-disciplinary Research

Increasingly, government, industry and the research sector are looking towards multi-disciplinary research to solve complex problems. Knowledge flows between usually distinct disciplines attract interest because major advances in innovation often involve collaboration across disciplinary boundaries.

Outputs submitted to ERA are assigned up to three four-digit FoR codes each, reflecting their disciplinary content. Where two or more codes are assigned to a single output, the differently coded content might be related at the two-digit level. An example is an output that has been assigned (apportioned) as part 0603 and part 0604 (i.e. Evolutionary Biology and Genetics—both of which are within 06 Biological Sciences). Multi-disciplinary (MD) research involves two or more academic disciplines that are considered more distinct. In this section a multi-disciplinary output is one where the content has been apportioned by universities to two or more FoR codes from different two-digit FoR groups. An example of a multi-disciplinary output is one where the research content draws on both Applied Mathematics (0102) and Genetics (0604) and the submitting university has apportioned the paper to each of these FoR codes from different two-digit groups (01 Mathematical Sciences and 06 Biological Sciences).

The chart below presents an analysis of ERA 2015 outputs for each two-digit FoR group, showing what proportion of outputs are multi-disciplinary. Of all outputs submitted with 17 Psychology and Cognitive Sciences content, 41 per cent were multi-disciplinary (co-apportioned with content from a discipline group other than 17). Conversely, 59 per cent of '17' outputs were either wholly apportioned to a single FoR within 17, or were co-apportioned with other FoRs from the 17 group. Other discipline groups with a high proportion of multi-disciplinary outputs were 05 Environmental Sciences and 10 Technology, both with around 38 per cent of submitted outputs being multi-disciplinary.

PROPORTION OF ERA 2015 OUTPUTS THAT ARE MULTI-DISCIPLINARY* BY TWO-DIGIT FOR CODE

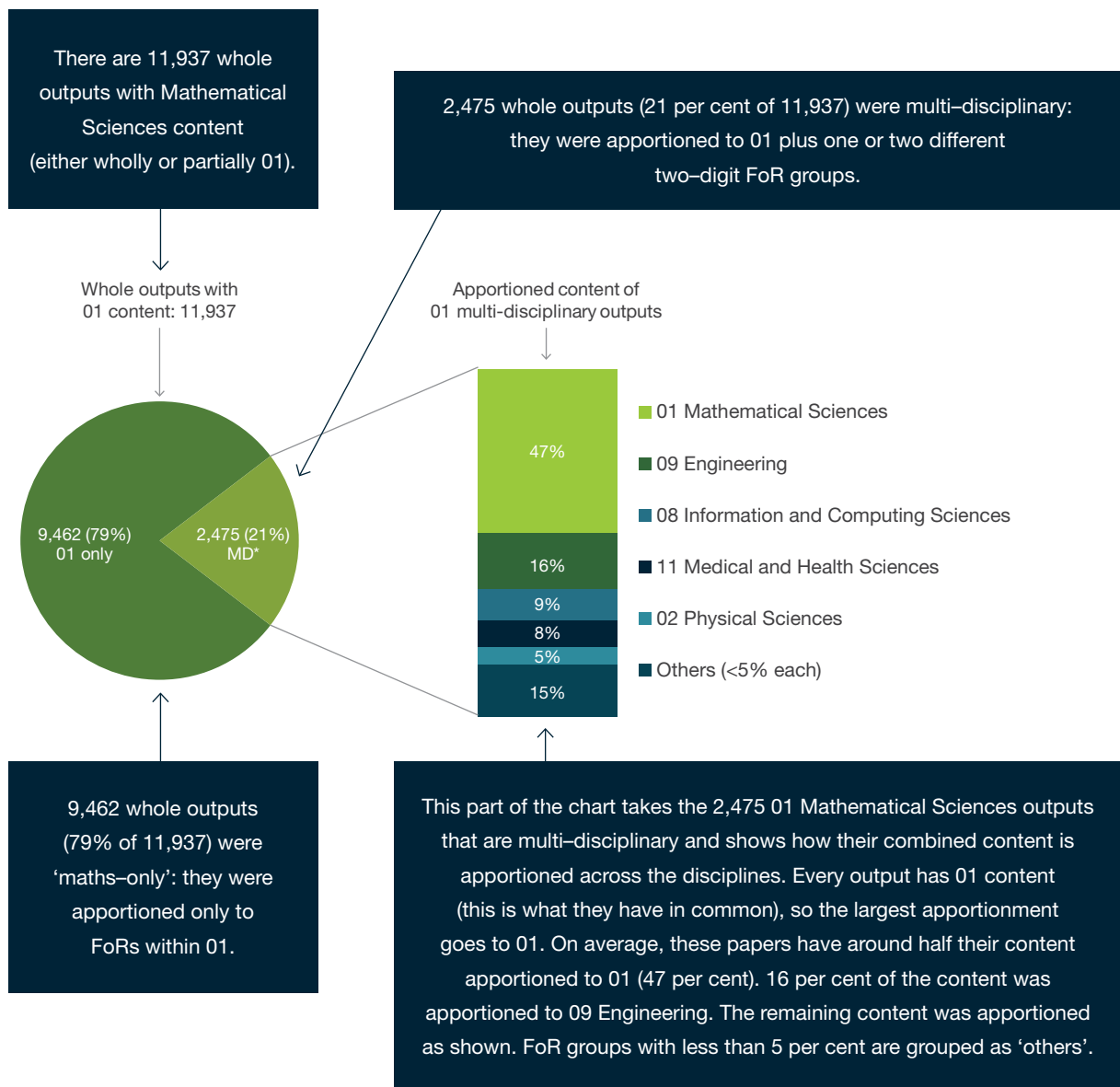
*A 'multi-disciplinary' output is one where content has been assigned to two or more four-digit discipline codes from separate two-digit FoR groups. For example, an output assigned to both 0102 and 0905 (Applied Mathematics and Civil Engineering), is considered here to be 'multi-disciplinary'; by contrast, an output wholly-assigned to a single four-digit code, or to two or more codes within the same two-digit group (for example, to 0102 Applied Mathematics and 0104 Statistics; both within '01 Mathematical Sciences') is not classified as multi-disciplinary here.

Multi-disciplinary profiles for two-digit FoR groups

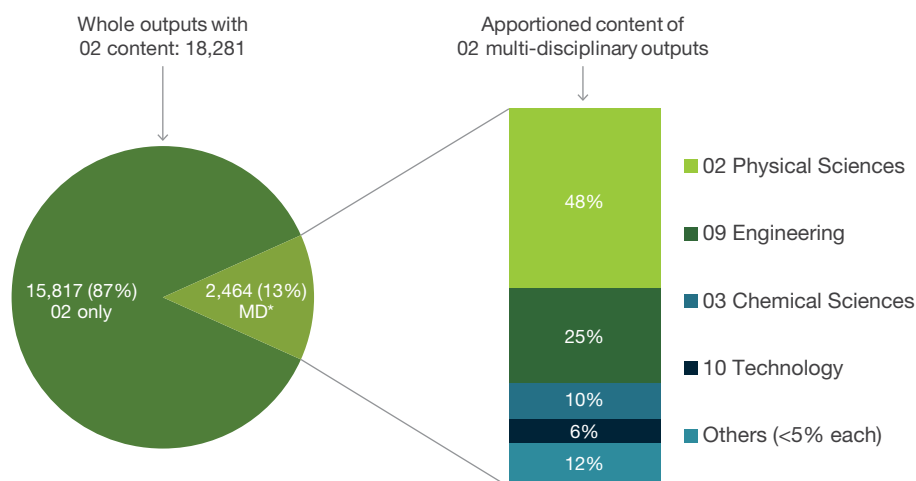
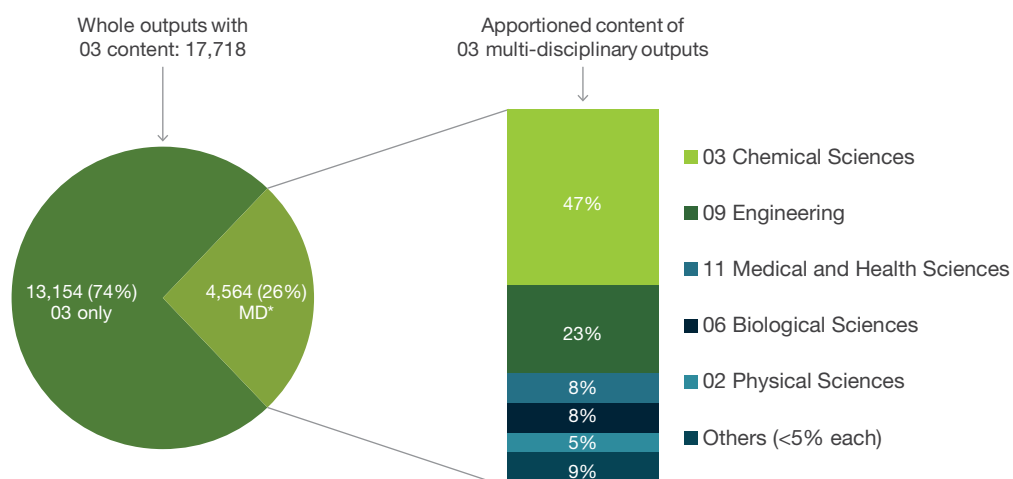
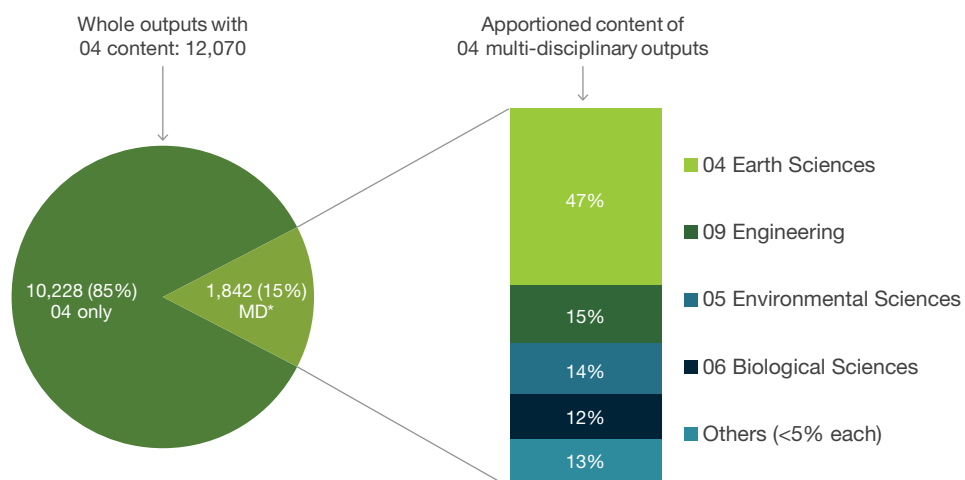
This section presents a profile of multi-disciplinary content for each two-digit FoR group. The profiles aim to show which disciplines are most likely to appear together in multi-disciplinary outputs. The profiles in the pie chart on the left show, for each two-digit discipline, what proportion of outputs are multi-disciplinary (as shown in the previous figure). On the right they show the apportioned content of the multi-disciplinary outputs. The first profile shows that of the 2,475 outputs identified as multi-disciplinary in 01 Mathematical Sciences, 47 per cent of their content was coded within 01 itself; 16 per cent of their content was apportioned within 09 Engineering; nine per cent was apportioned as 08 Information and Computing Sciences; and so forth. Most of the other codes held a less than five per cent share of the multi-disciplinary outputs' apportioned content, and have been grouped as 'other'. The highest apportionment goes to 01 Mathematical Sciences because that is what these outputs all have in common: they are multi-disciplinary outputs with Mathematical Sciences content, plus content apportioned to one or two other two-digit FoRs.

Guide to the multi-disciplinary profiles:

01 MATHEMATICAL SCIENCES – MULTI-DISCIPLINARY CONTENT PROFILE

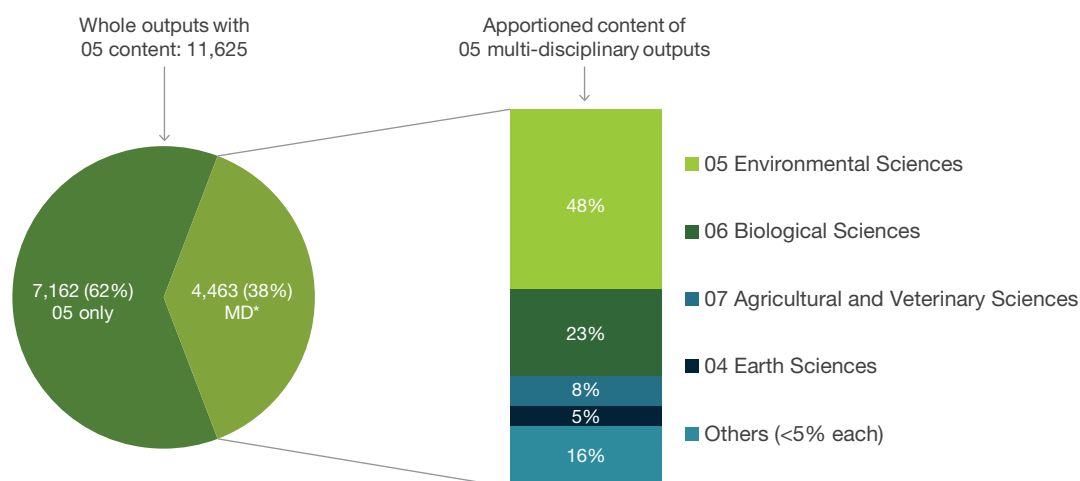


* MD: Multi-disciplinary, defined as any output that is apportioned to codes from two or more two-digit FoR groups.

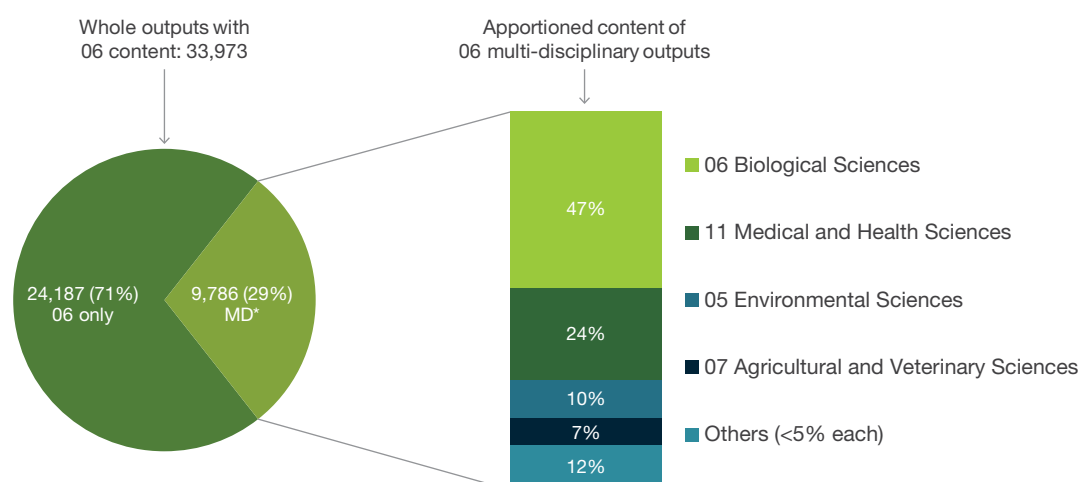
02 PHYSICAL SCIENCES — MULTI-DISCIPLINARY CONTENT PROFILE**03 CHEMICAL SCIENCES — MULTI-DISCIPLINARY CONTENT PROFILE****04 EARTH SCIENCES — MULTI-DISCIPLINARY CONTENT PROFILE**

* MD: Multi-disciplinary, defined as any output that is apportioned to codes from two or more two-digit FoR groups.

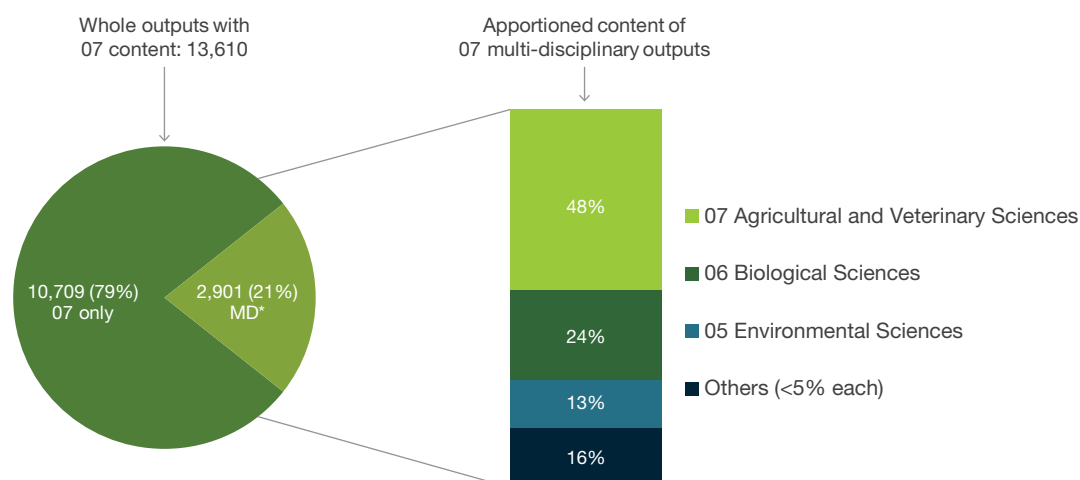
05 ENVIRONMENTAL SCIENCES – MULTI-DISCIPLINARY CONTENT PROFILE



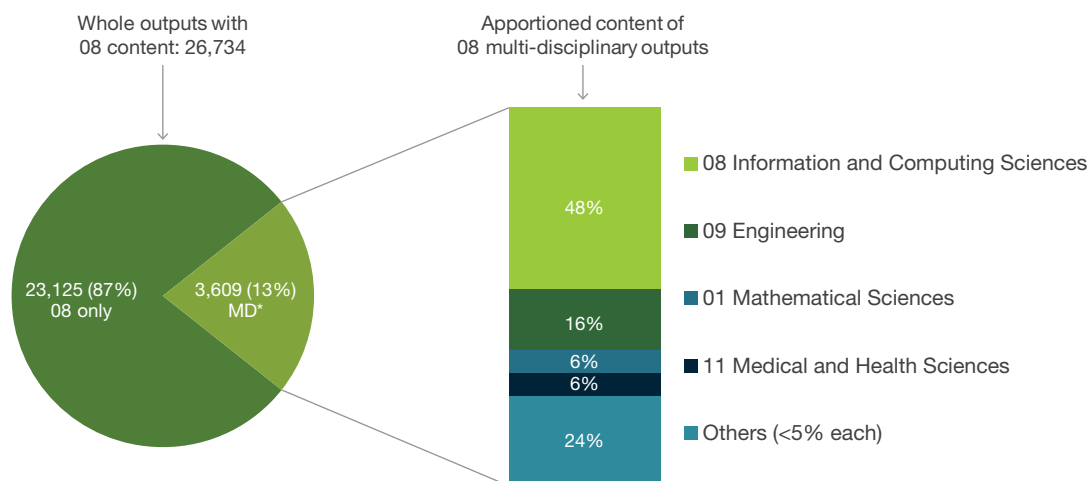
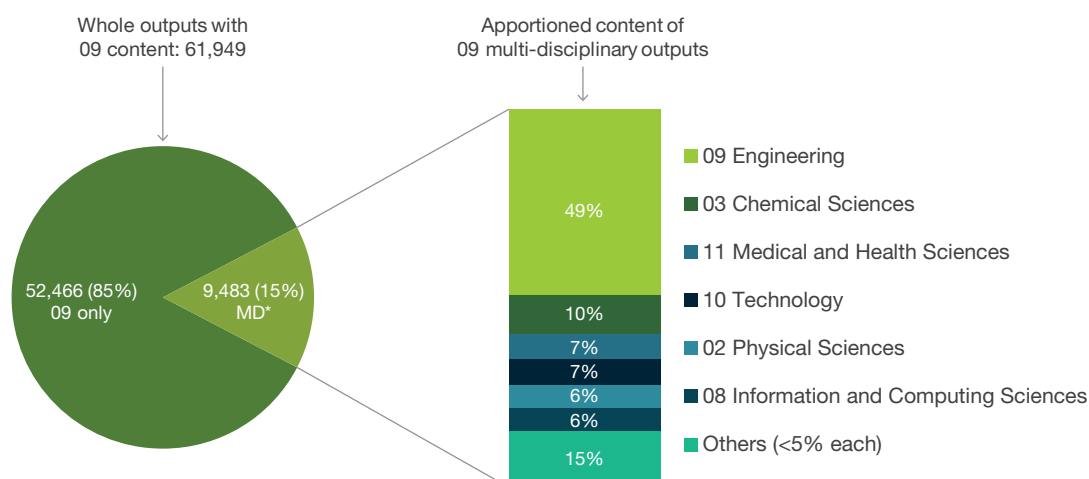
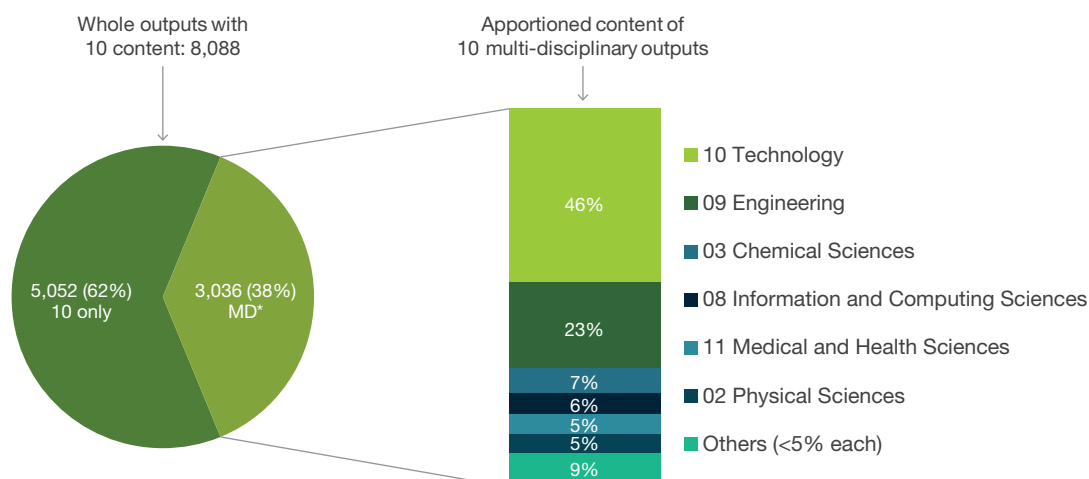
06 BIOLOGICAL SCIENCES – MULTI-DISCIPLINARY CONTENT PROFILE



07 AGRICULTURAL AND VETERINARY SCIENCES – MULTI-DISCIPLINARY CONTENT PROFILE

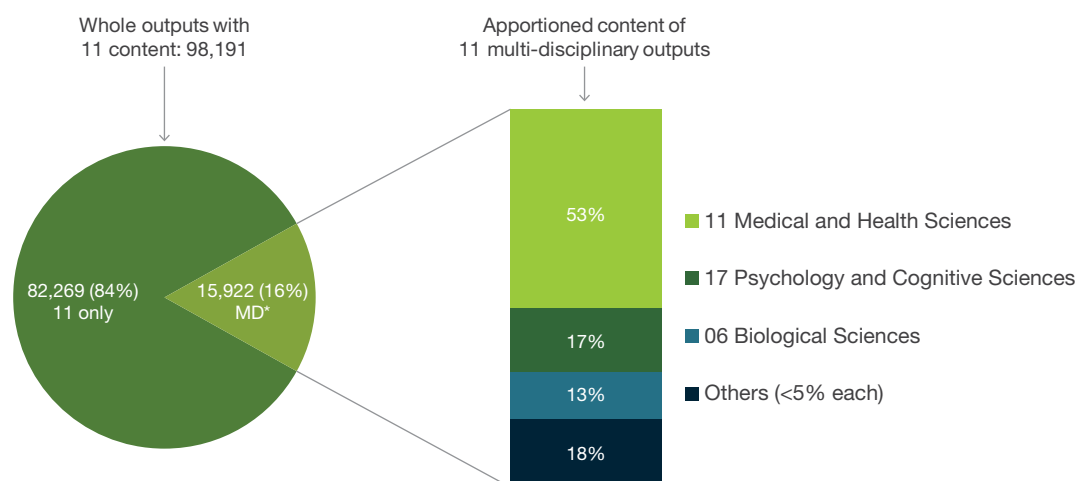


* MD: Multi-disciplinary, defined as any output that is apportioned to codes from two or more two-digit FoR groups.

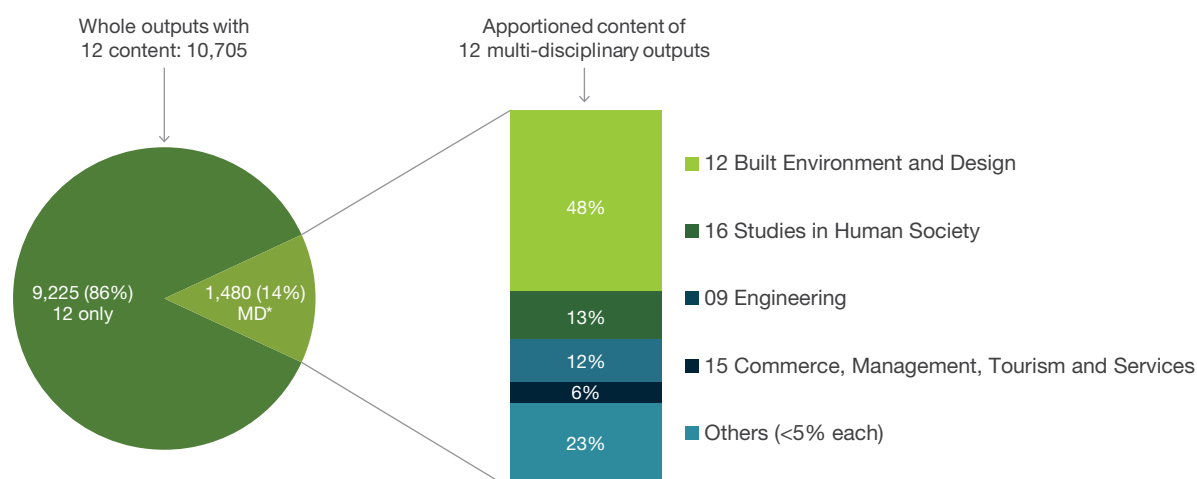
08 INFORMATION AND COMPUTING SCIENCES – MULTI-DISCIPLINARY CONTENT PROFILE**09 ENGINEERING – MULTI-DISCIPLINARY CONTENT PROFILE****10 TECHNOLOGY – MULTI-DISCIPLINARY CONTENT PROFILE**

* MD: Multi-disciplinary, defined as any output that is apportioned to codes from two or more two-digit FoR groups.

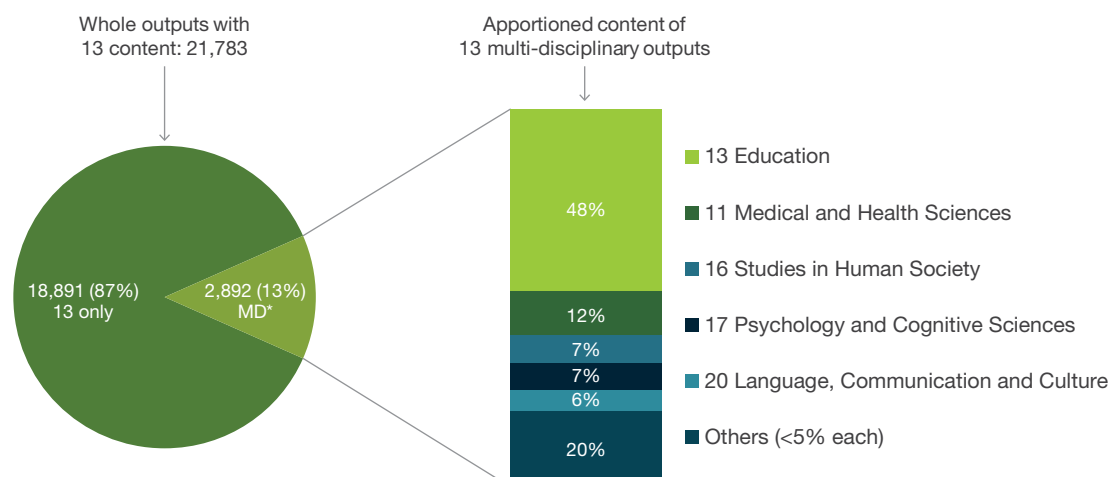
11 MEDICAL AND HEALTH SCIENCES – MULTI-DISCIPLINARY CONTENT PROFILE



12 BUILT ENVIRONMENT AND DESIGN – MULTI-DISCIPLINARY CONTENT PROFILE

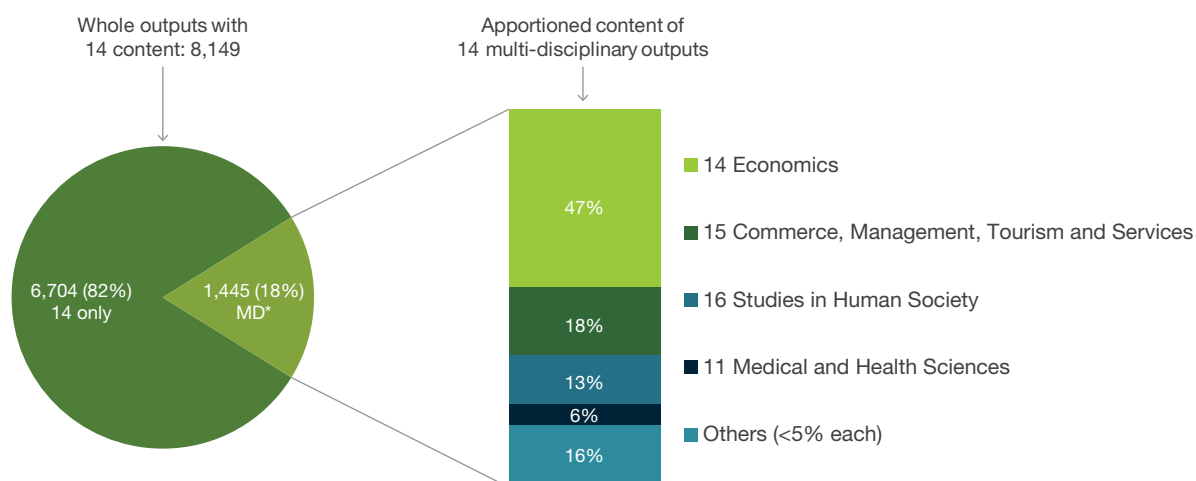


13 EDUCATION – MULTI-DISCIPLINARY CONTENT PROFILE

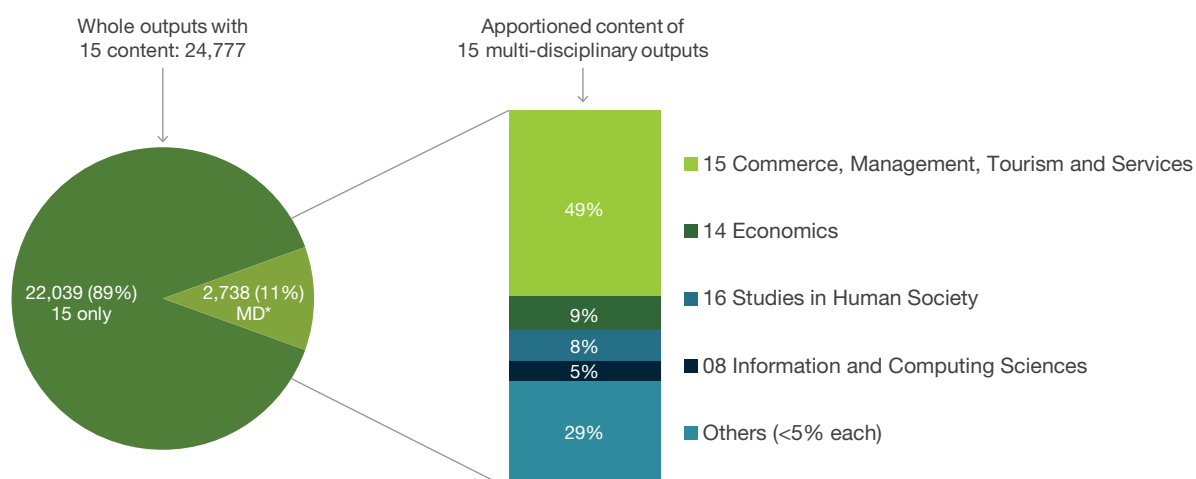


* MD: Multi-disciplinary, defined as any output that is apportioned to codes from two or more two-digit FoR groups.

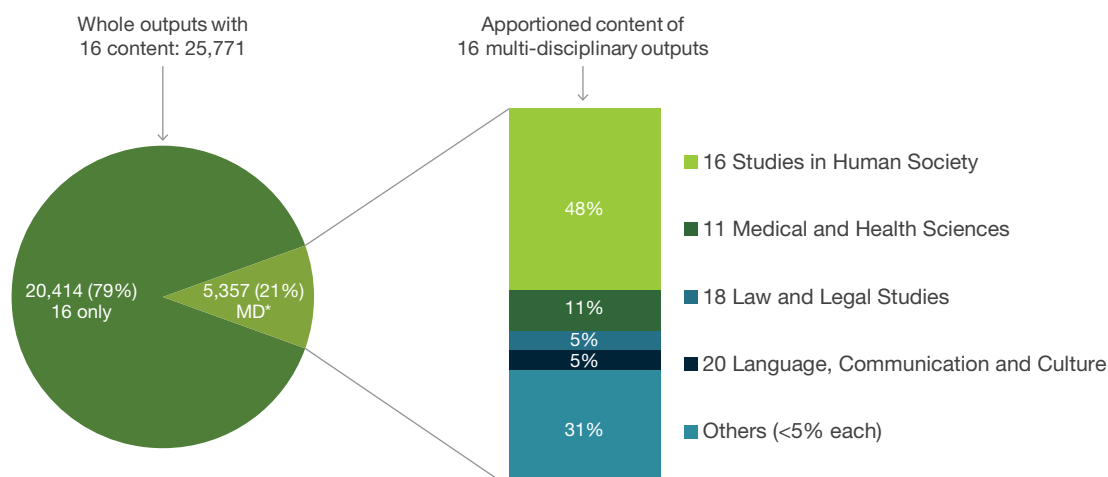
14 ECONOMICS — MULTI-DISCIPLINARY CONTENT PROFILE



15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES — MULTI-DISCIPLINARY CONTENT PROFILE

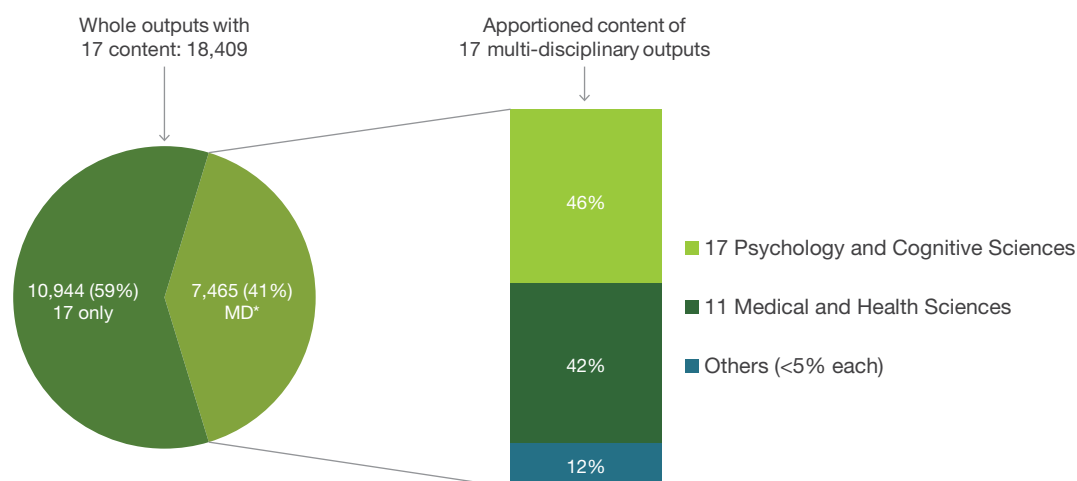


16 STUDIES IN HUMAN SOCIETY — MULTI-DISCIPLINARY CONTENT PROFILE

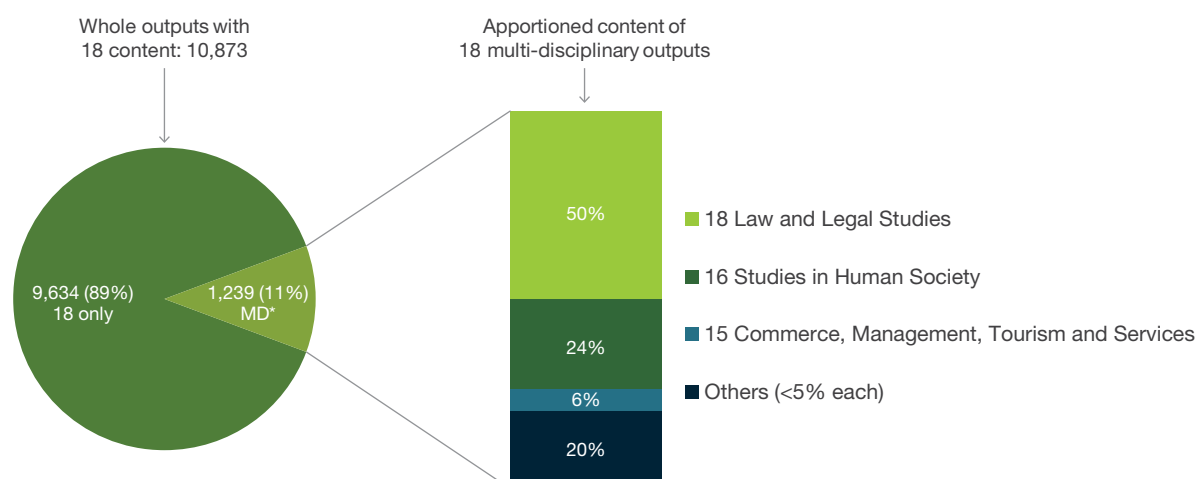


* MD: Multi-disciplinary, defined as any output that is apportioned to codes from two or more two-digit FoR groups.

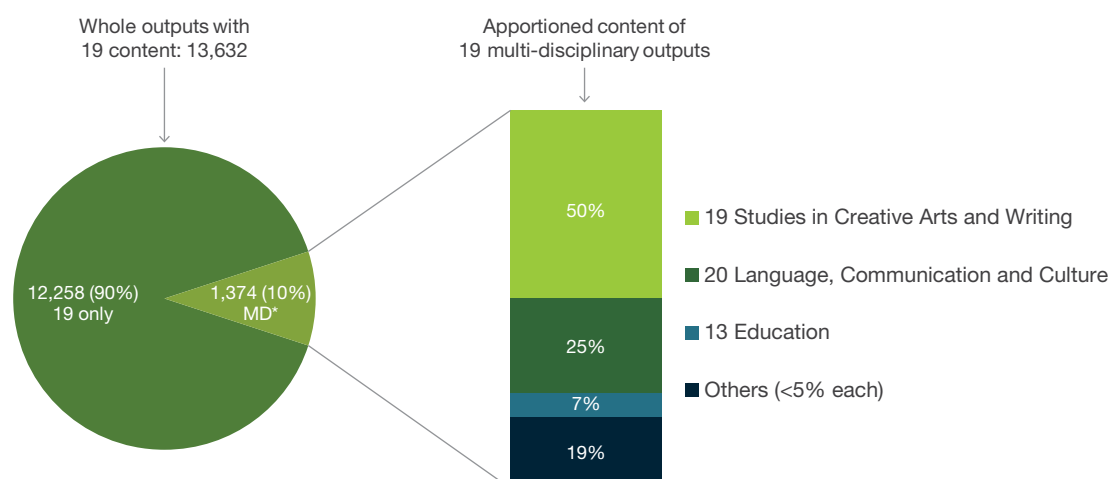
17 PSYCHOLOGY AND COGNITIVE SCIENCES – MULTI-DISCIPLINARY CONTENT PROFILE



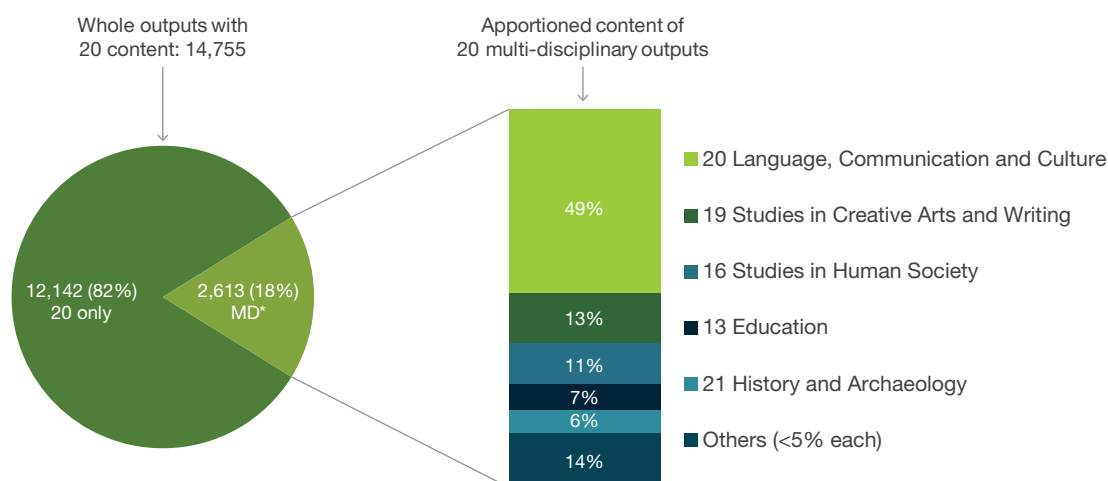
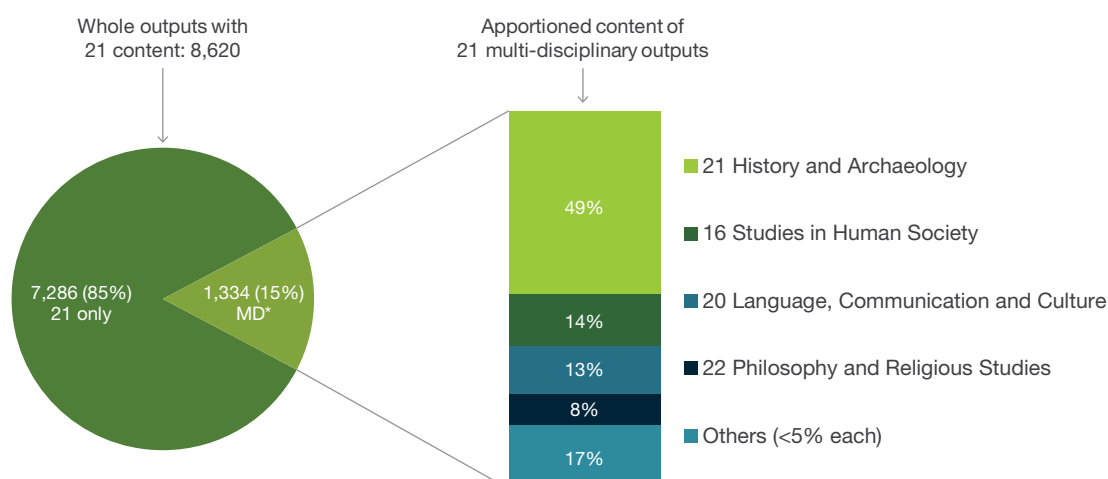
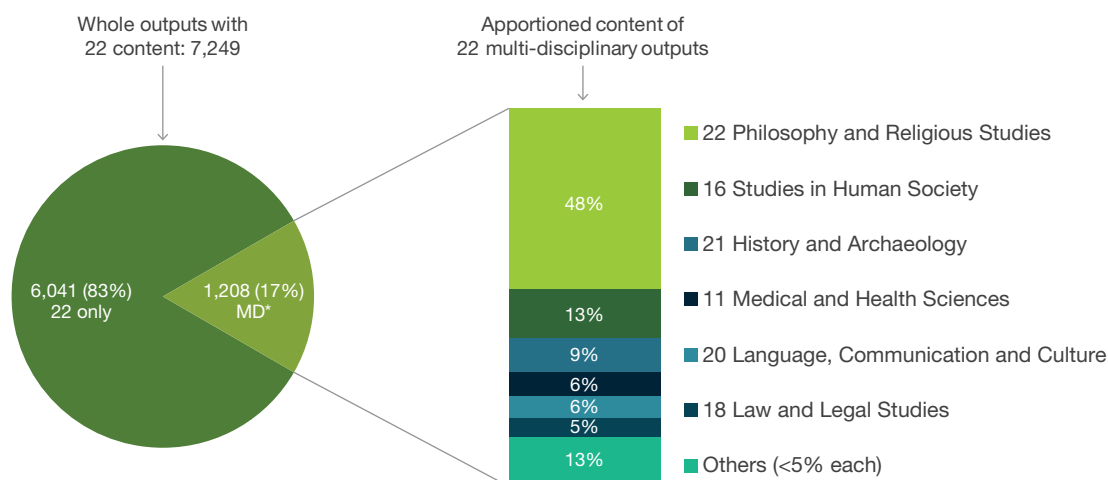
18 LAW AND LEGAL STUDIES – MULTI-DISCIPLINARY CONTENT PROFILE



19 STUDIES IN CREATIVE ARTS AND WRITING – MULTI-DISCIPLINARY CONTENT PROFILE



* MD: Multi-disciplinary, defined as any output that is apportioned to codes from two or more two-digit FoR groups.

20 LANGUAGE, COMMUNICATION AND CULTURE – MULTI-DISCIPLINARY CONTENT PROFILE**21 HISTORY AND ARCHAEOLOGY – MULTI-DISCIPLINARY CONTENT PROFILE****22 PHILOSOPHY AND RELIGIOUS STUDIES – MULTI-DISCIPLINARY CONTENT PROFILE**

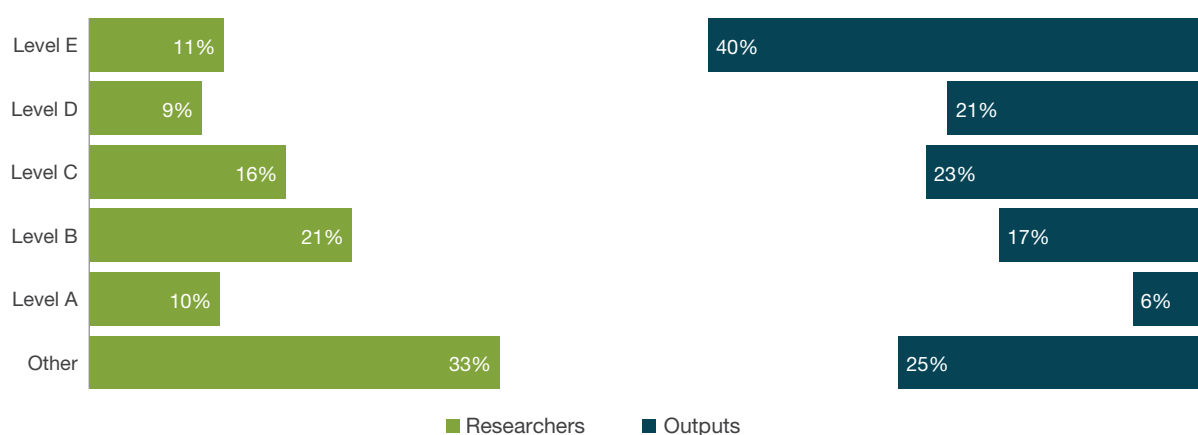
* MD: Multi-disciplinary, defined as any output that is apportioned to codes from two or more two-digit FoR groups.

Contribution by Employment Level

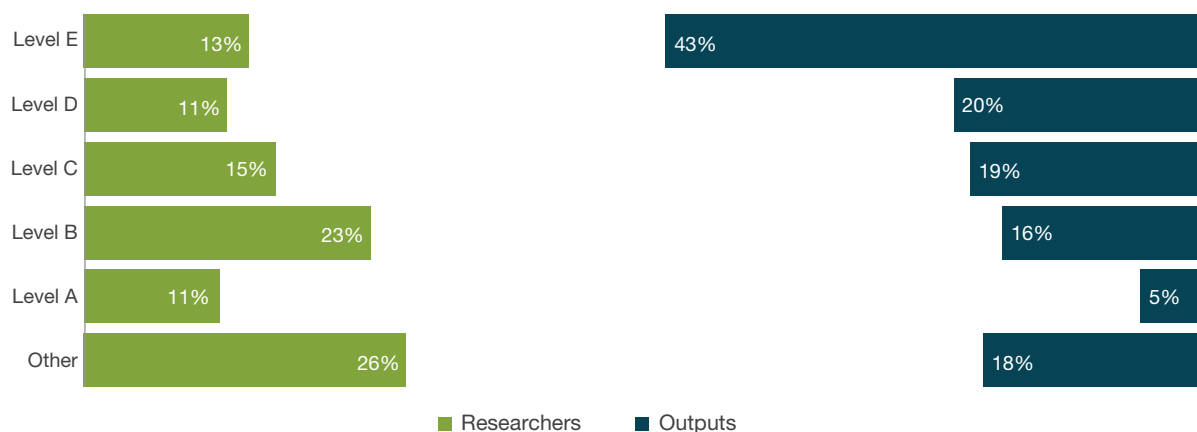
The following charts show how researchers at each employment level contribute as authors to output volume. There is a chart for the ERA 2015 data collection overall, and one for each two-digit FoR. The left hand side of each chart shows the distribution of eligible researchers across the academic levels A to E and the 'Other' employment level. Researcher numbers are measured on a headcount basis (that is, no apportioning for part-time hours). Employment status is not considered here. For example, an eligible researcher identified by their institution as Level E is counted equally whether they are an FTE employee ('Employed'), a 'Casual' employee, or an 'Other Appointment' (for example visiting or exchange). *Note: due to rounding percentages may not sum to 100 per cent.*

The right hand side shows the proportion of outputs where one or more eligible authors are at the corresponding academic level. An output is counted at a particular level if one or more of its ERA-eligible institution authors is at that level (authors who are not eligible ERA researchers are not considered here). For example, the second chart — for FoR 01 Mathematical Sciences — shows that Level C staff made up 15 per cent of all eligible 01 researchers and contributed as authors on 19 per cent of submitted 01 outputs. This means 19 per cent of all 01 outputs had one or more Level C authors. *Note: since outputs may be counted more than once where there are multiple authors with different employment levels on each output, percentages will sum to >100 per cent.*

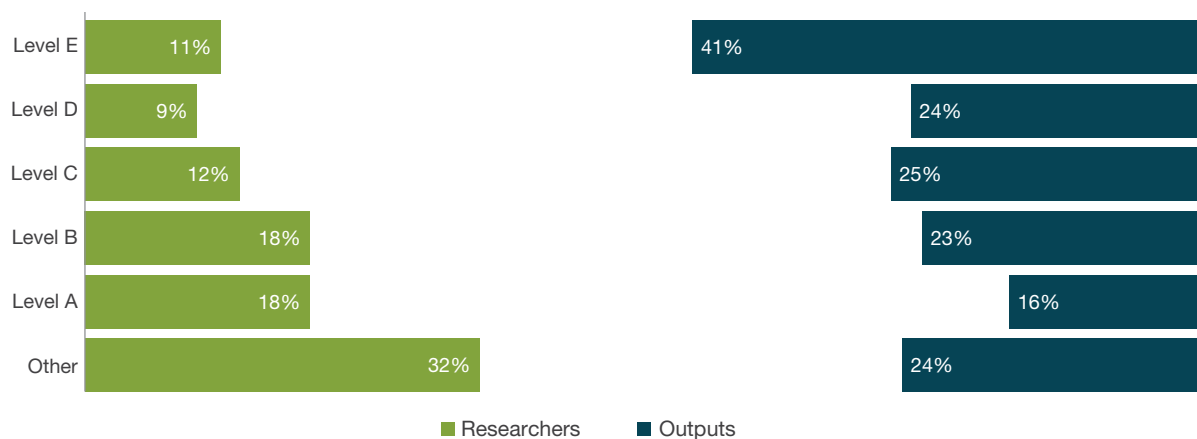
ALL FORS — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL



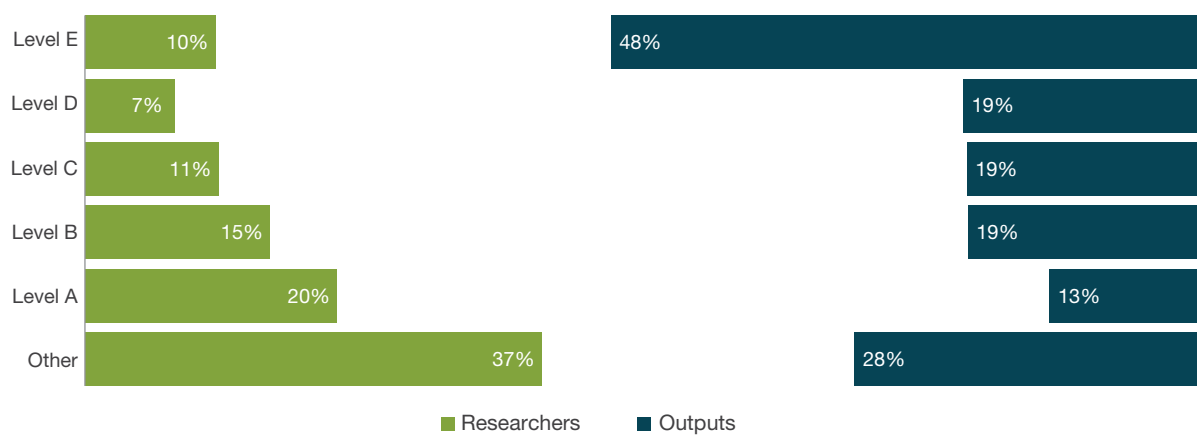
01 MATHEMATICAL SCIENCES — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL

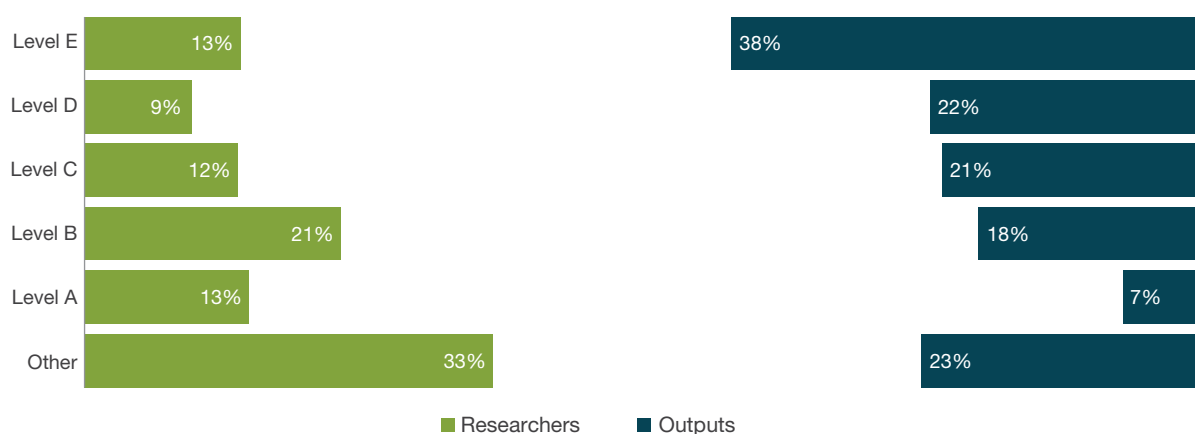
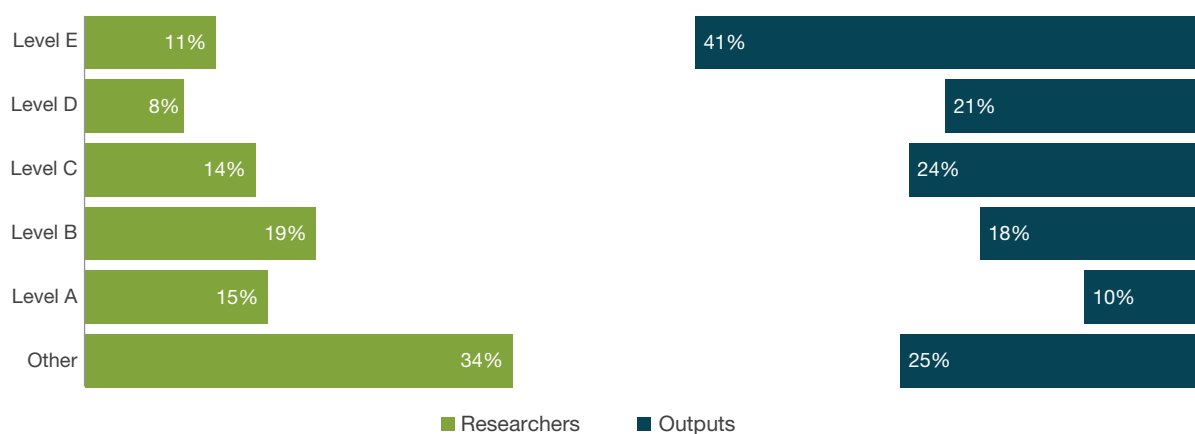
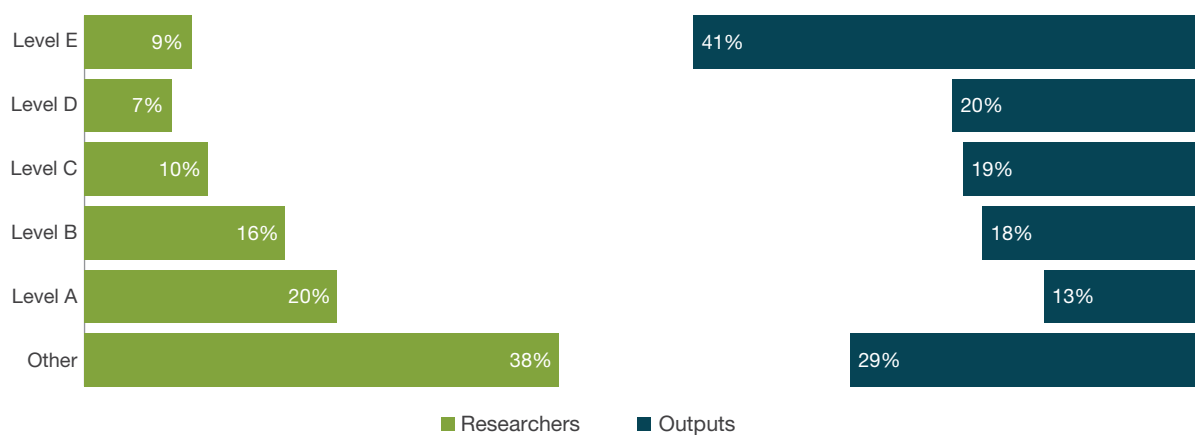


02 PHYSICAL SCIENCES — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL

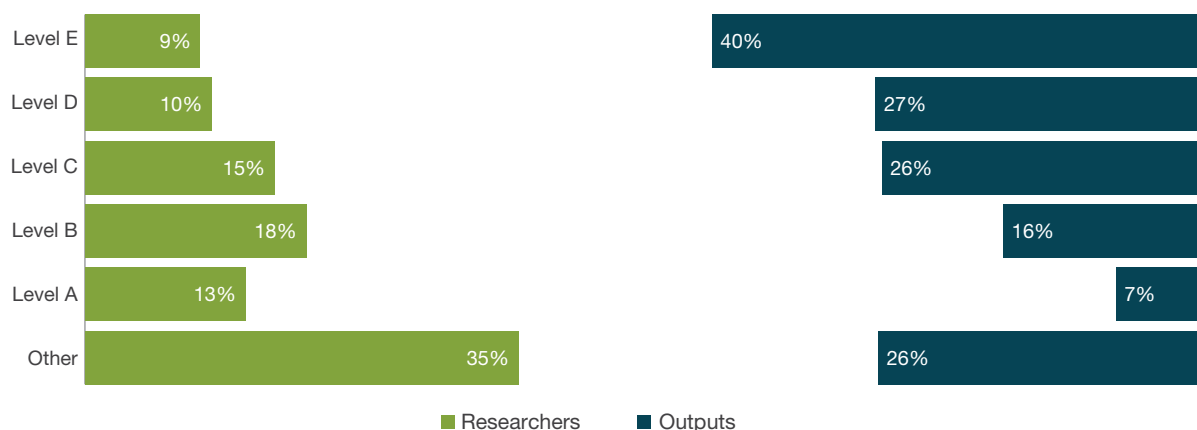


03 CHEMICAL SCIENCES — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL

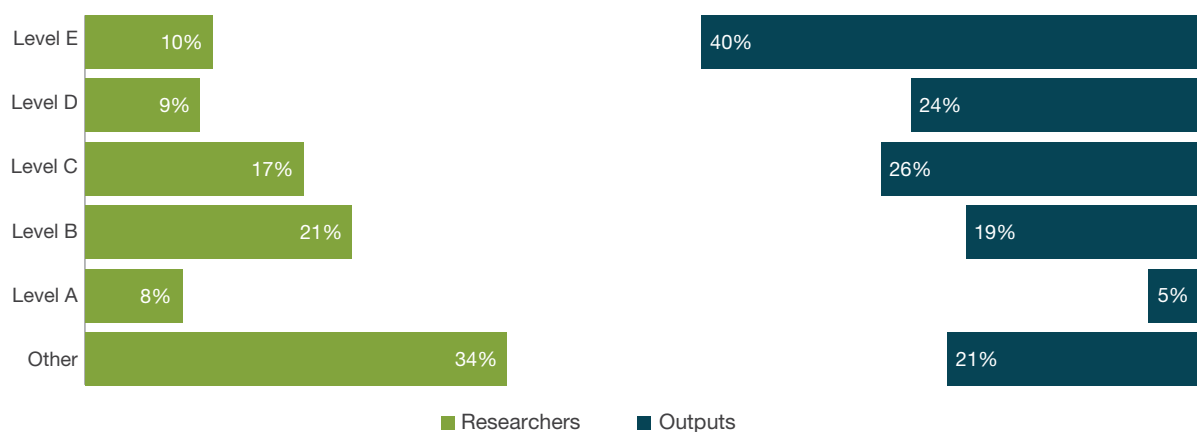


04 EARTH SCIENCES — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL**05 ENVIRONMENTAL SCIENCES — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL****06 BIOLOGICAL SCIENCES — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL**

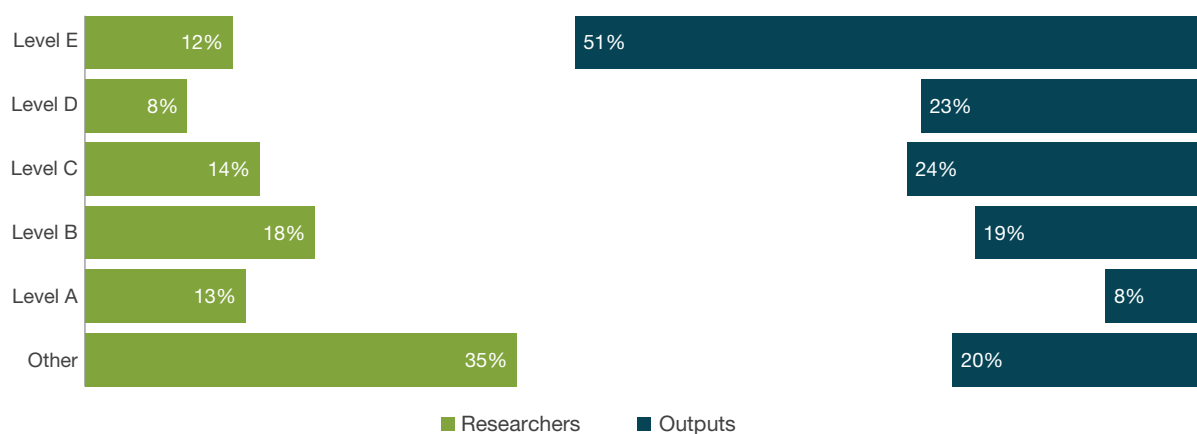
07 AGRICULTURAL AND VETERINARY SCIENCES — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL

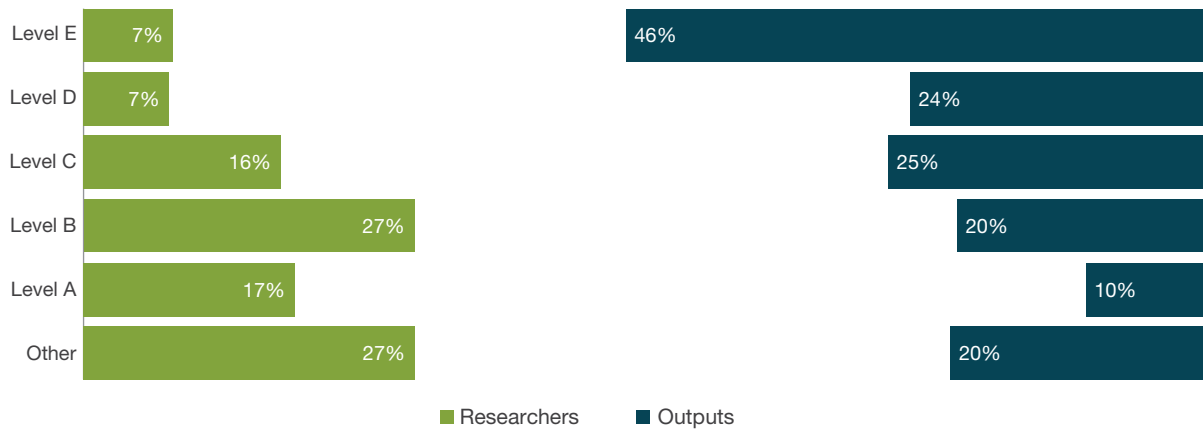
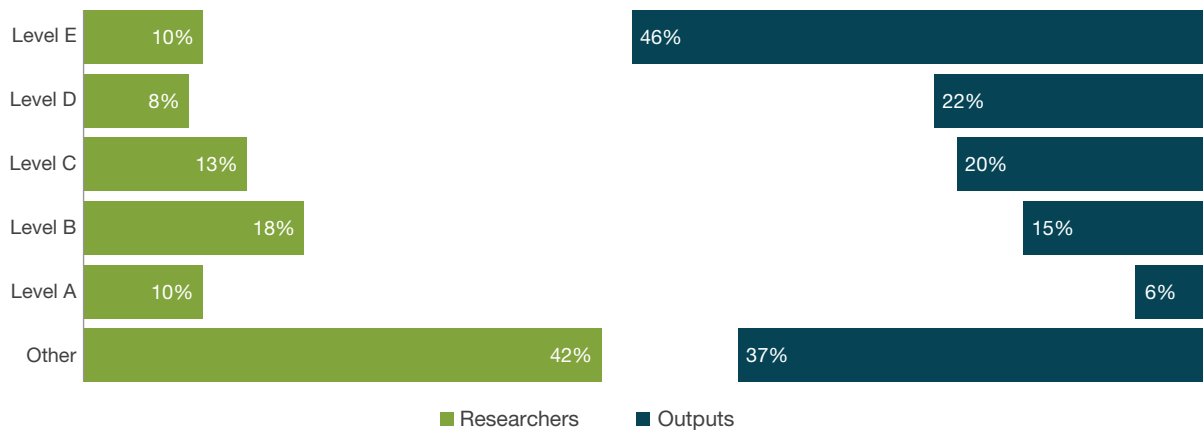
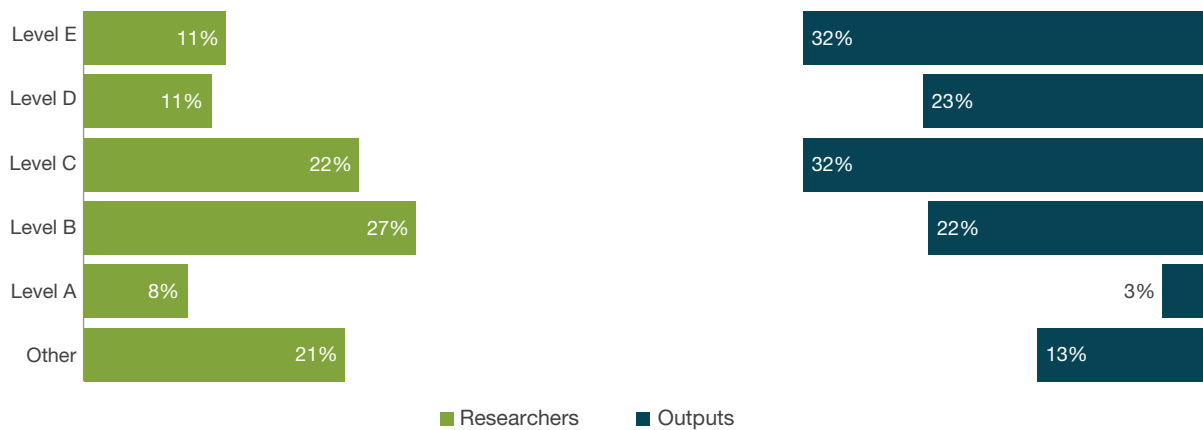


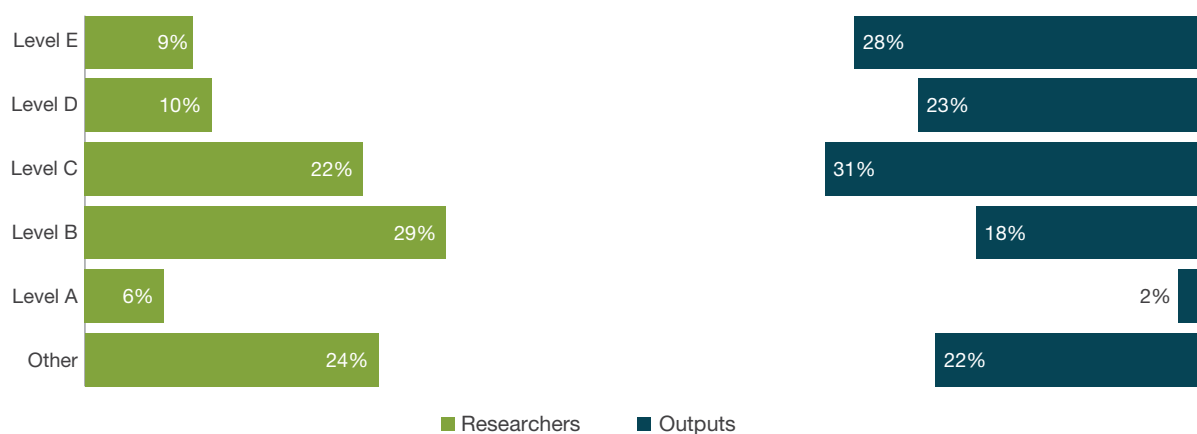
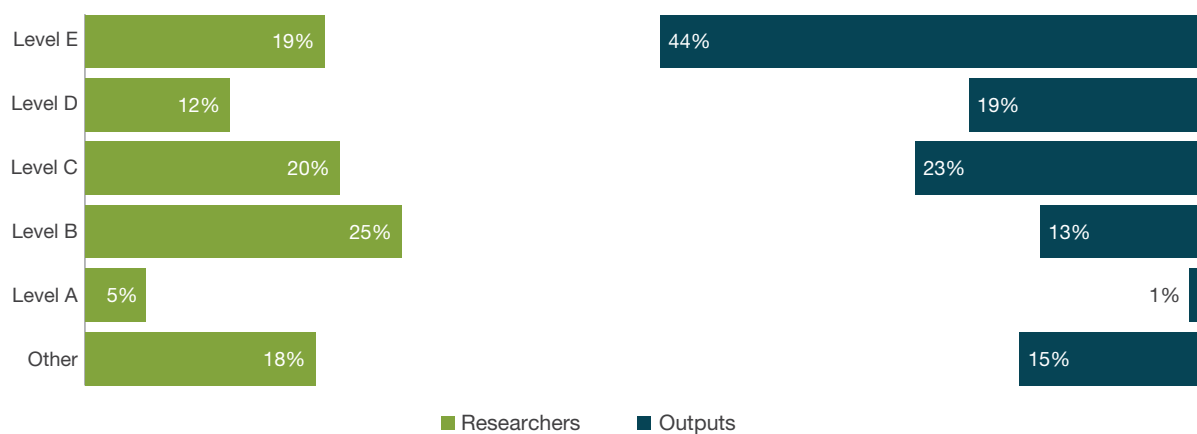
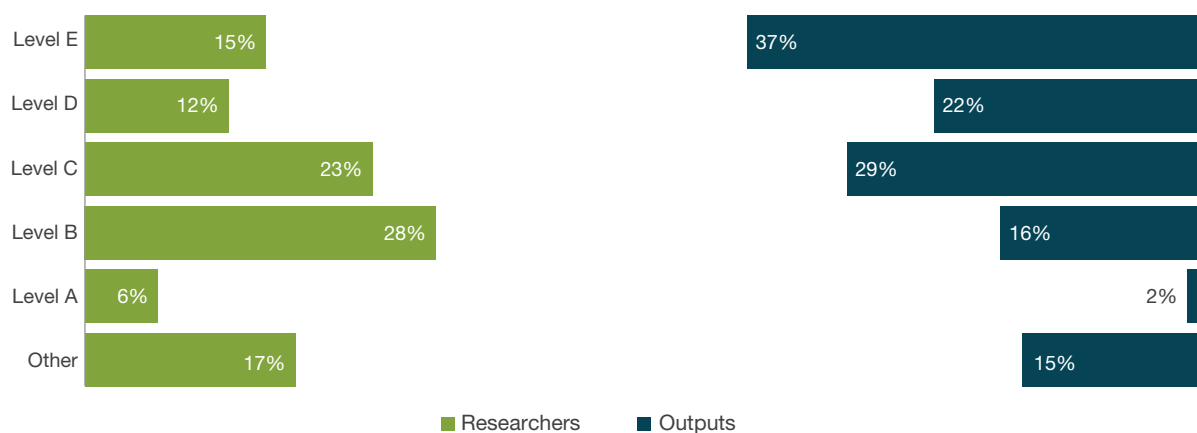
08 INFORMATION AND COMPUTING SCIENCES — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL



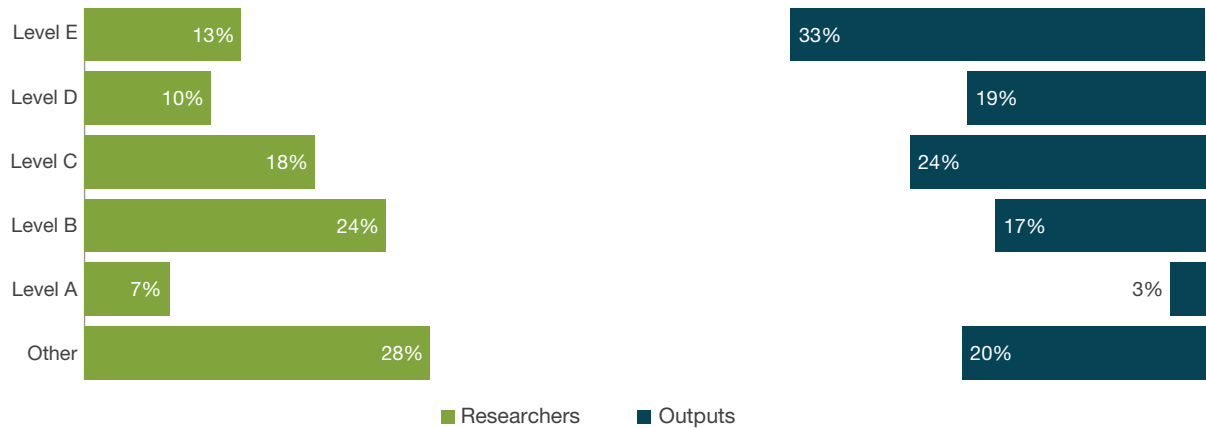
09 ENGINEERING — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL



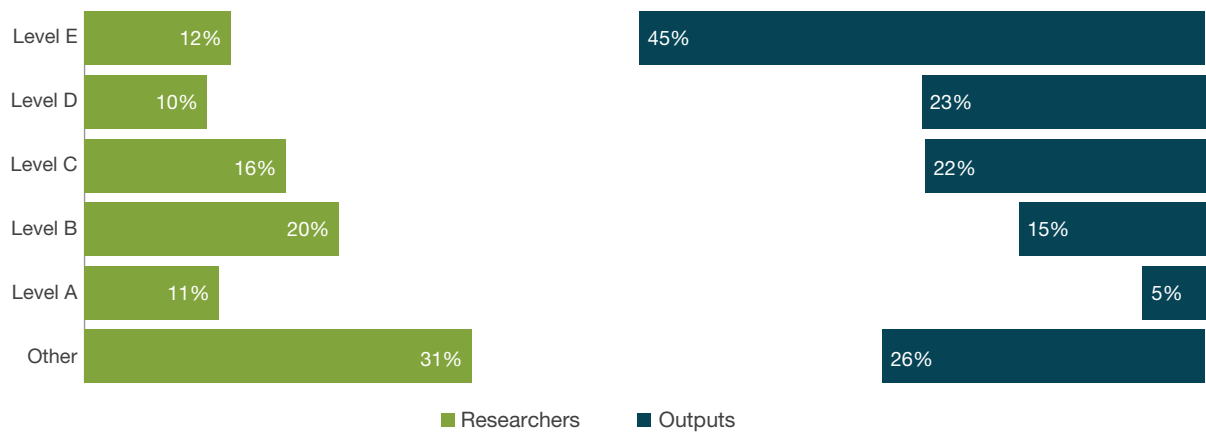
10 TECHNOLOGY — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL**11 MEDICAL AND HEALTH SCIENCES — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL****12 BUILT ENVIRONMENT AND DESIGN — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL**

13 EDUCATION — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL**14 ECONOMICS — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL****15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL**

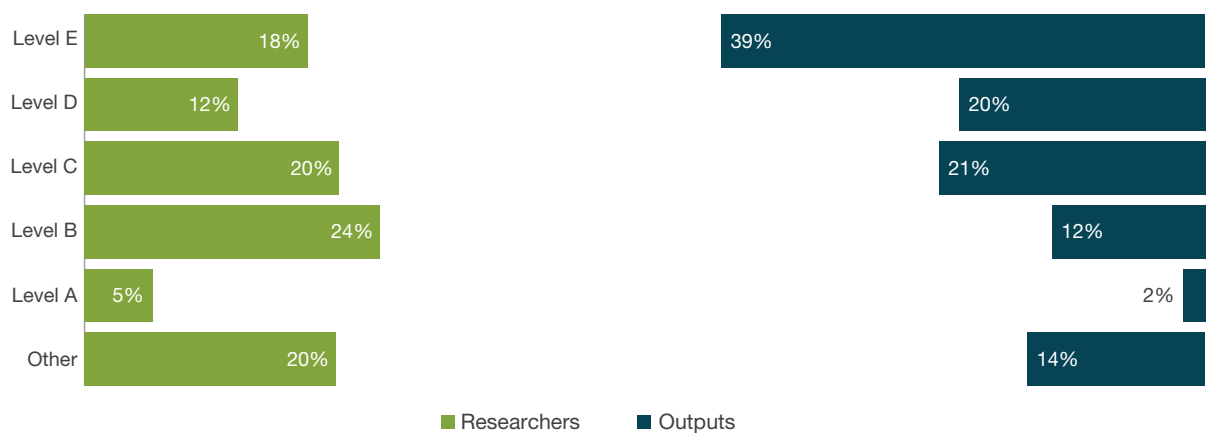
16 STUDIES IN HUMAN SOCIETY – DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL



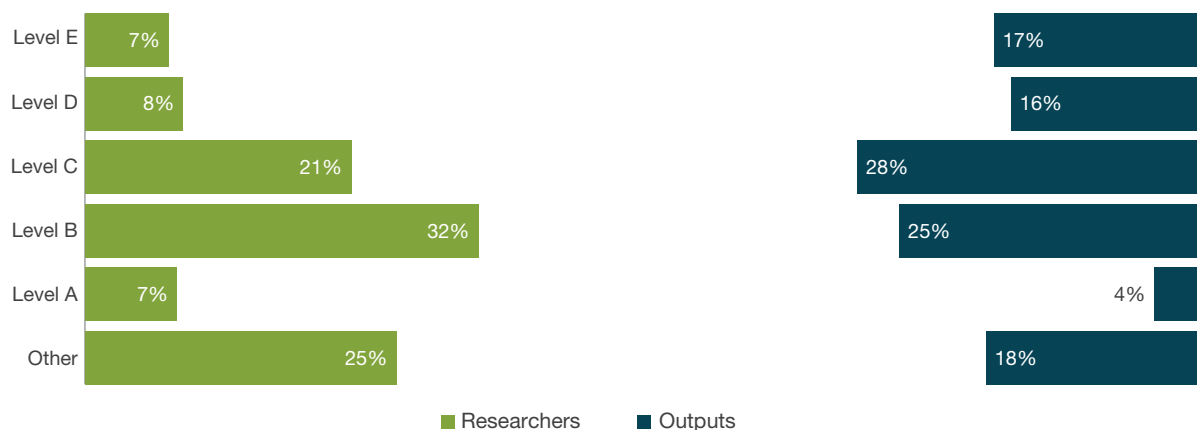
17 PSYCHOLOGY AND COGNITIVE SCIENCES – DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL



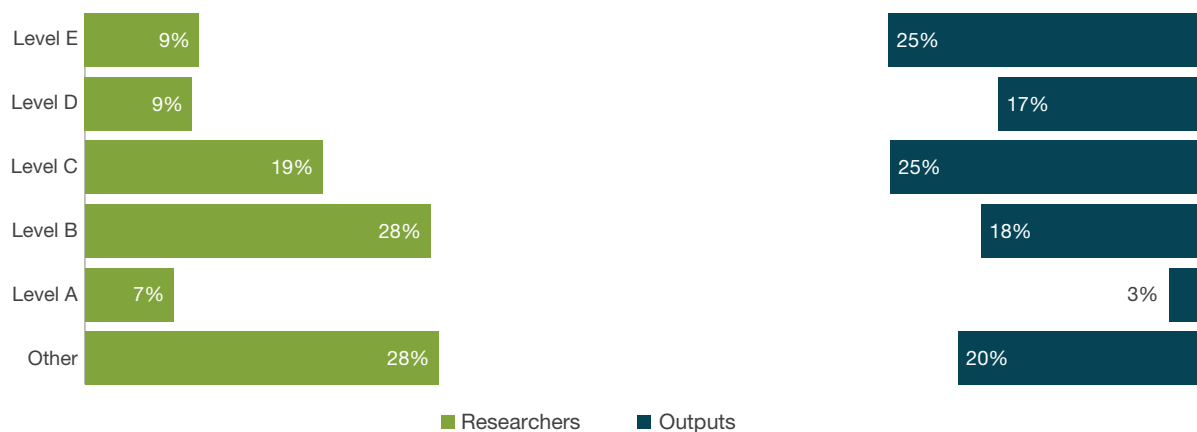
18 LAW – DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL



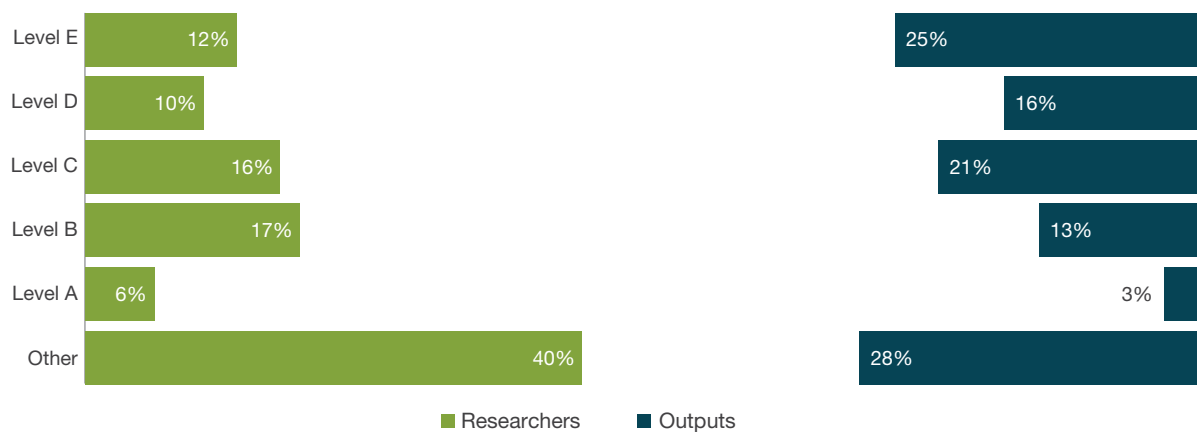
19 STUDIES IN CREATIVE ARTS AND WRITING — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL



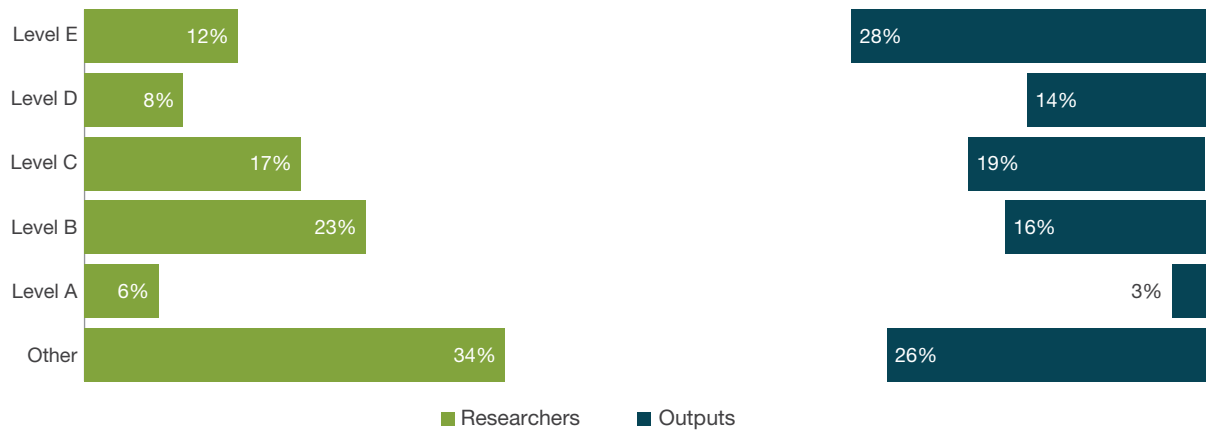
20 LANGUAGE, COMMUNICATION AND CULTURE — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL



21 HISTORY AND ARCHAEOLOGY — DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL



22 PHILOSOPHY AND RELIGIOUS STUDIES – DISTRIBUTION OF RESEARCHERS AND OUTPUTS BY EMPLOYMENT LEVEL

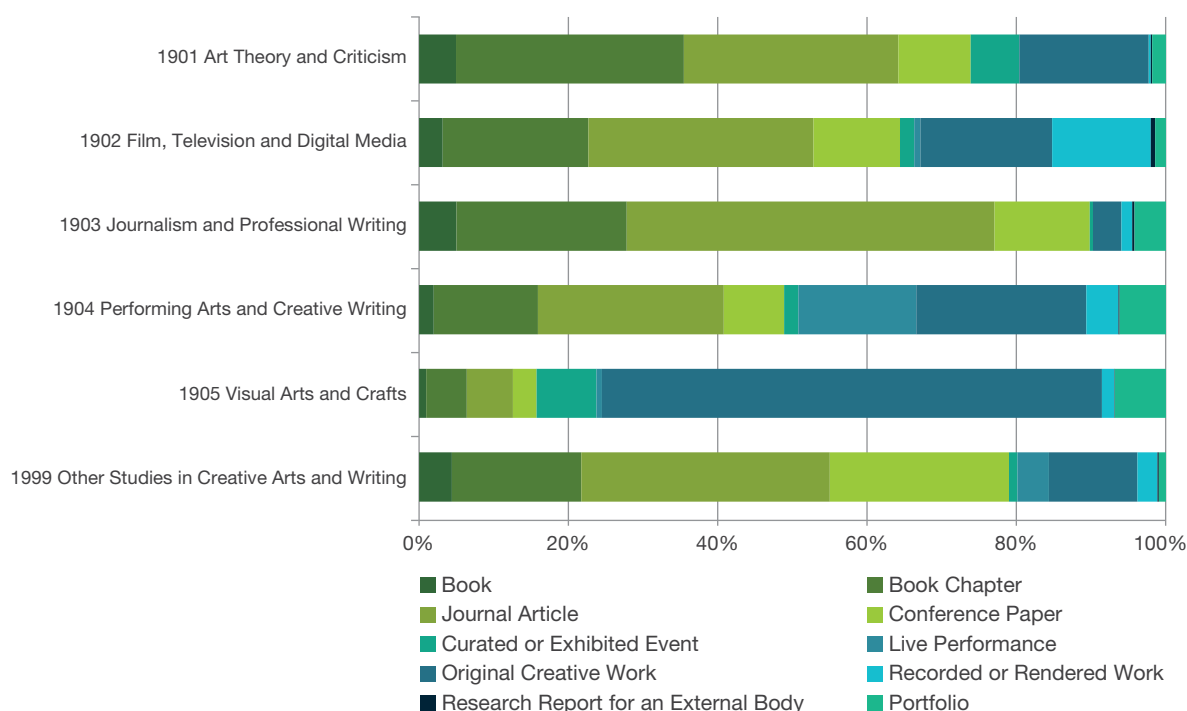


Non-Traditional Research Outputs

Non-traditional research outputs provide an important insight into applied research, and creative and practitioner-based research in the Humanities, Creative Arts and Social Sciences. The provision within the ERA framework for portfolios allows for related works that demonstrate coherent research content to be submitted and reviewed as a single output. This is particularly important in the case of applied, creative and practitioner-based research, where a body of work needs to be viewed as a whole so that the full significance of the research involved can be considered. Over 5,000 original creative works, 913 live performances, 727 recorded or rendered works, 753 curated or exhibited events, 791 portfolios and 2,453 research reports for an external body were submitted to ERA 2015. Studies in Creative Arts and Writing (19) submitted the highest number of non-traditional research outputs for assessment. See **Section 4** for a more detailed breakdown.

Studies in Creative Arts and Writing

In 19 Studies in Creative Arts and Writing disciplines, original creative works represent the greatest proportion (61 per cent) of all non-traditional research outputs. Of all the four-digit FoR codes in this discipline, 1905 Visual Arts and Crafts submitted 2,244 original creative works, comprising 67 per cent of the total research output. See **Section 4** for a more detailed breakdown.



Employment Function

The function of an eligible researcher describes the general type of work which they have formally agreed with the institution to undertake. For ERA purposes, the function of an eligible researcher can be described only as 'Research Only', 'Teaching and Research', or 'Other Function':

- › **Research Only**—this function involves undertaking only research work or providing technical or professional research assistance, or the management and leadership of research staff and of staff who support research staff. There may be limited other work (e.g. participation in the development of postgraduate courses and supervision of postgraduate students). This definition is to be interpreted as having the same content as the HESDC definition of 'A Research Only function'.
- › **Teaching and Research**—in addition to the activities undertaken in the Research Only function, this function also involves undertaking teaching and associated activities (including lecturing, group or individual tutoring, preparation of teaching materials, supervision of students, marking, and preparation for the foregoing activities), or the management and leadership of teaching staff and research staff and persons who support such staff. This definition is to be interpreted as having the same content as the HESDC definition of 'A Teaching and Research Function'.
- › **Other Function**—functions other than 'Research Only' or 'Teaching and Research'. A researcher whose function is 'Teaching Only' who has produced one or more submitted research outputs should be classified as 'Other Function'. This definition is to be interpreted as having the same content as the combined HESDC definitions of 'A Teaching Only Function' and 'An Other Function'³.

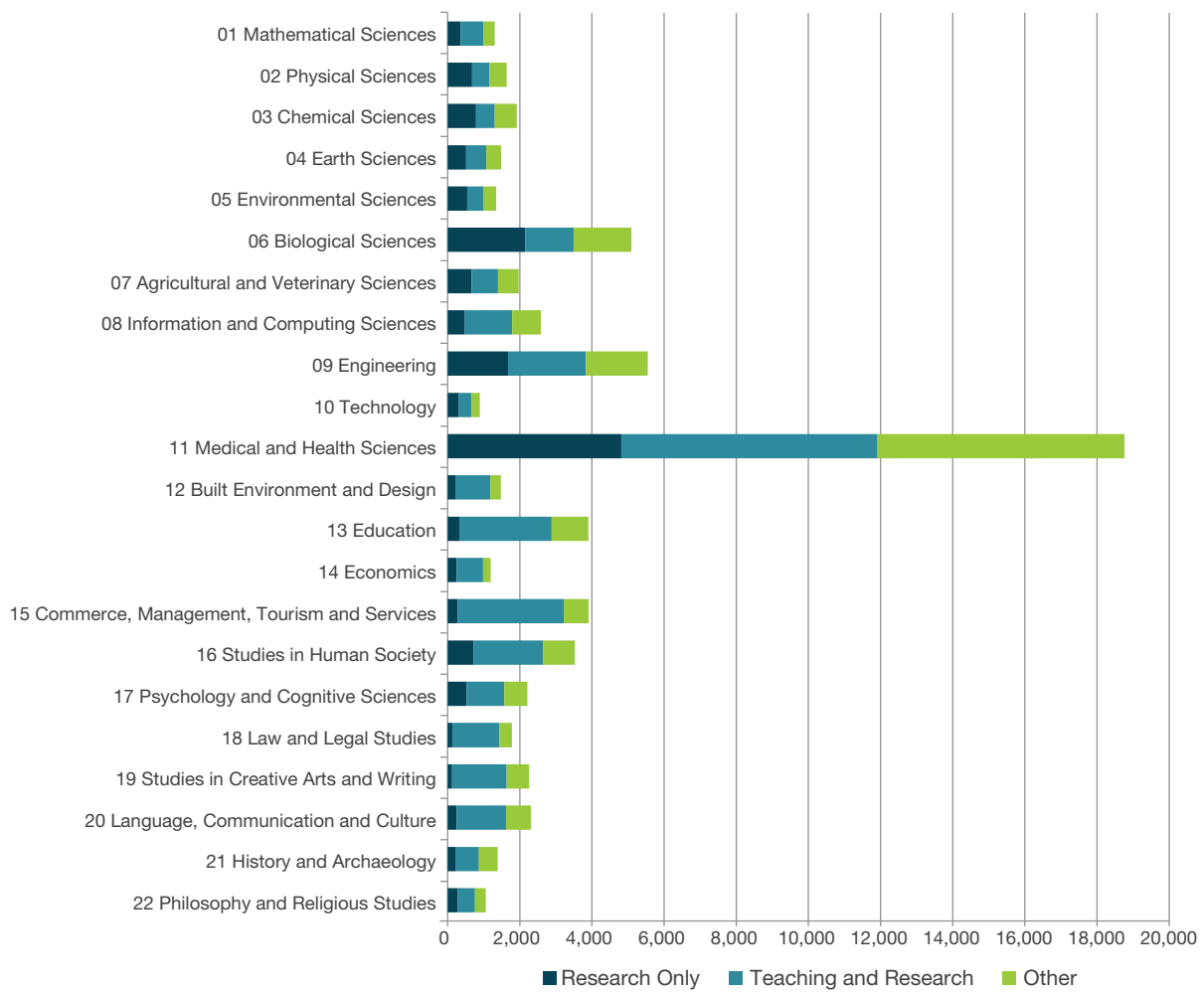
In the case of a staff member holding multiple functions within an institution, the institution has chosen the most applicable function to submit.

The first chart shows the apportioned headcount for two-digit FoRs of all staff submitted to ERA 2015 by institutions and includes the employed, employed casual and other employment types.

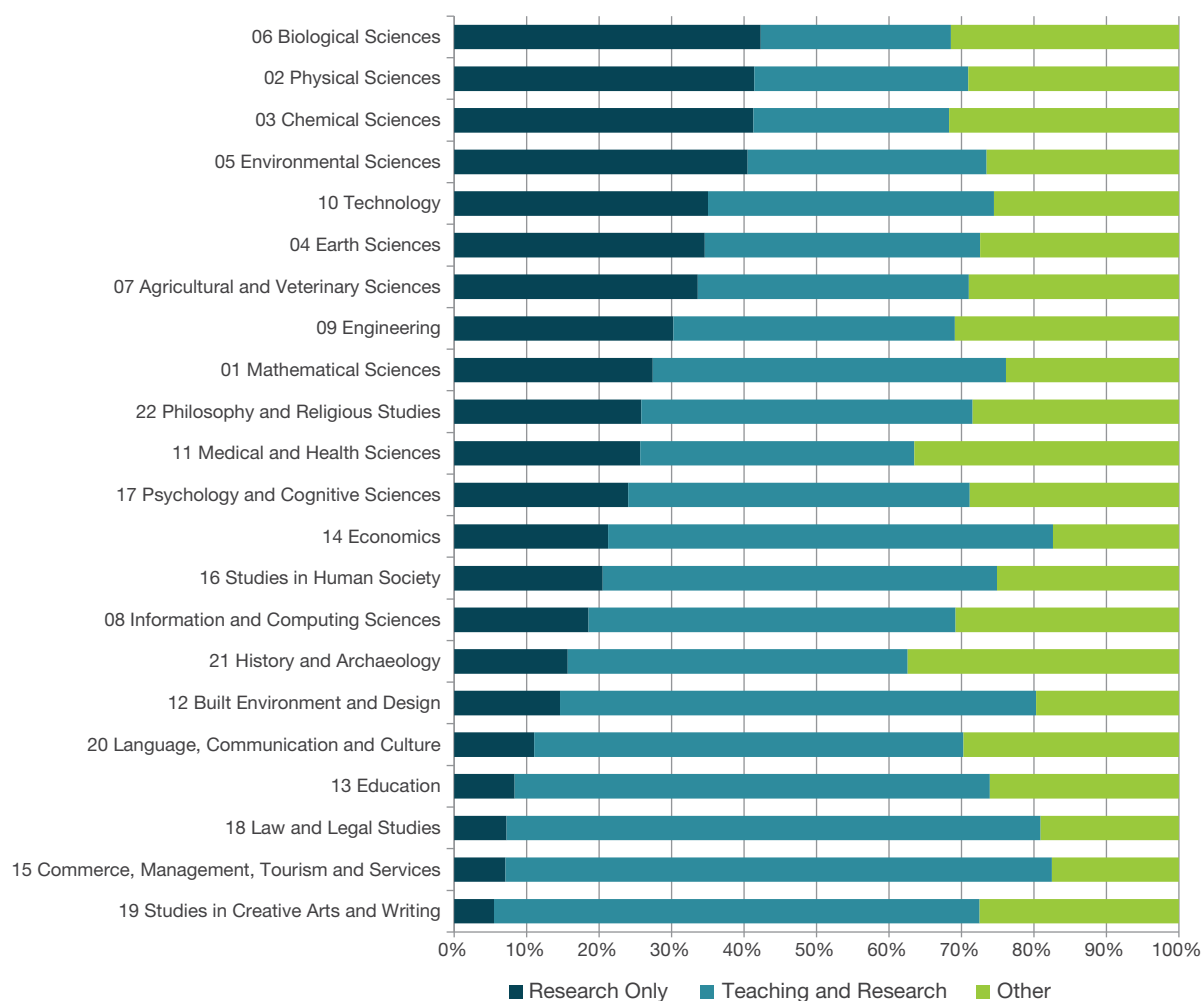
The second chart shows the percentage distribution for two-digit apportioned headcount of all staff by employment function. It is ordered by 'Research Only' employment function. The two-digit FoR codes with the highest proportion of Research Only staff are 06 Biological Sciences (42 per cent), 02 Physical Sciences (41 per cent) and 03 Chemical Sciences (41 per cent).

³ heimshelp.education.gov.au/sites/heimshelp/resources/glossary/pages/glossaryterm?title=Function

TWO-DIGIT APPORTIONED HEADCOUNT OF ALL STAFF BY EMPLOYMENT FUNCTION



PERCENTAGE DISTRIBUTION TWO-DIGIT APPORTIONED HEADCOUNT OF ALL STAFF BY EMPLOYMENT FUNCTION

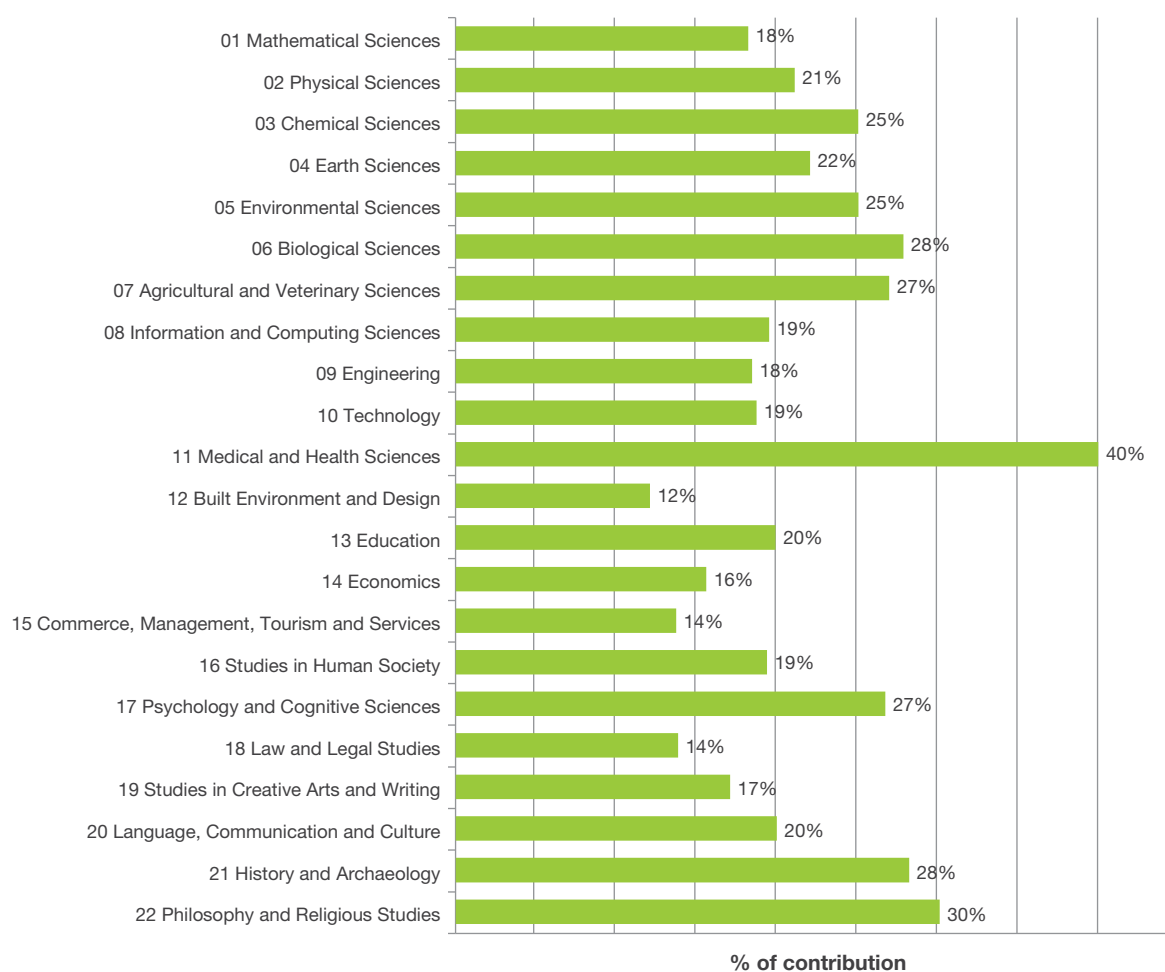


Contribution of Non-salaried Staff

Non-salaried staff include emeritus, visiting, exchange or seconded staff, unpaid visiting fellows, members of religious denominations, conjoint, clinical and adjunct staff with a demonstrated publication association with an eligible institution. These researchers make an important contribution to the Australian university research sector and broader research community, contributing as authors to 25 per cent of all outputs for ERA.

The chart shows the proportion of outputs where one or more eligible authors are non-salaried staff. This proportion is the greatest for the 11 Medical and Health Sciences, where non-salaried staff contributed as authors to 40 per cent of all outputs.

OUTPUTS CONTRIBUTED TO BY NON-SALARIED STAFF BY TWO DIGIT FOR CODE

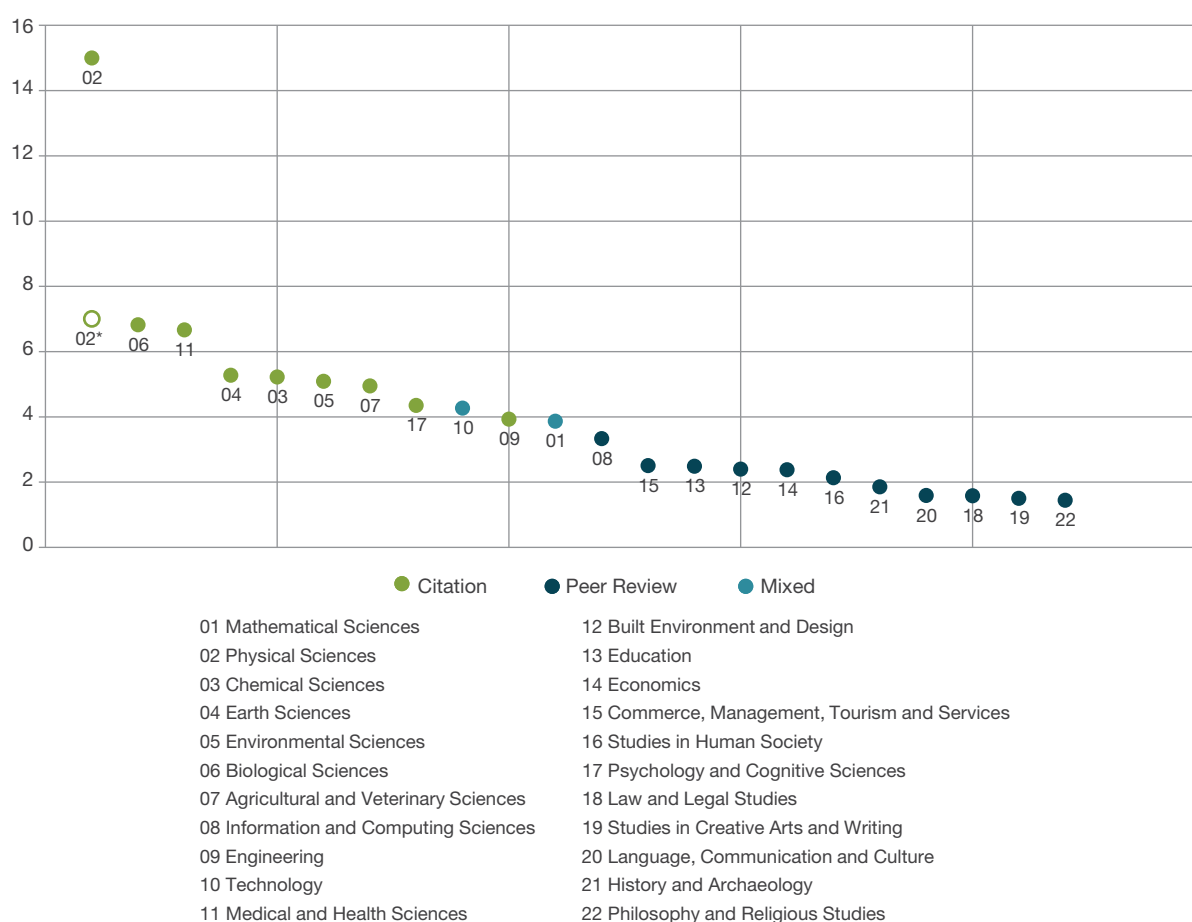


Co-authorship by ERA Authors

The average number of authors per research output submitted to ERA 2015 varied significantly between two-digit FoR codes. The 02 Physical Sciences showed the highest average number of authors on research outputs, in accordance with the common practice in some sub-disciplines of collaborating with many others on journal articles. In general, research outputs submitted to ERA citation analysis disciplines had more authors than those submitted to peer review disciplines.

There is also a relationship between research output type and the number of authors per research output. Journal articles are the most commonly co-authored research outputs. In ERA peer review disciplines, there is generally a larger proportion of books, book chapters and conference papers, which tend to have fewer authors.

AVERAGE AUTHORS/OUTPUTS BY TWO-DIGIT FOR CODE



*Presents the average authors/output for Physical Sciences (02) not including Astronomical and Space Sciences (FoR 0201). Astronomical and Space Sciences has an average authors/output of about 34 compared with the average of about seven for the other four-digit FoRs in Physical Sciences.

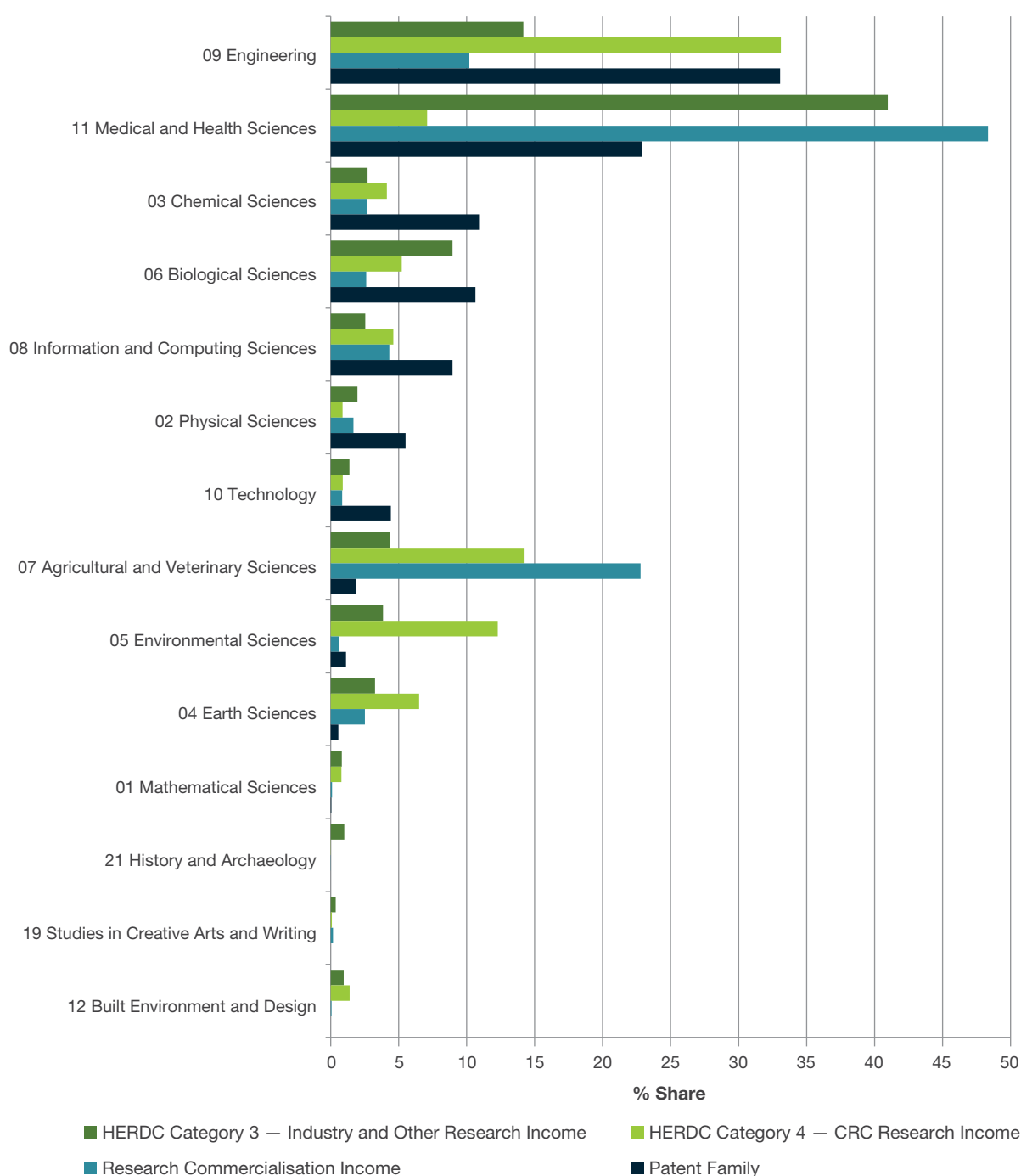
Note: Average authors per output was calculated on submitted outputs rather than deduplicated outputs.

Patents and Applied Income Sources

In Australia, 09 Engineering and 11 Medical and Health Sciences both demonstrated strength in applied research, together being responsible for more than half of the patents registered in the three-year reference period that were submitted to ERA 2015. The 11 Medical and Health Sciences attracted the greatest investment from industry and reported the most research commercialisation income, which includes income generated from patents. However, 09 Engineering attracted the greatest share of CRC income.

The first chart shows the two-digit FoR codes which have patents as an applied measure ordered by number of patents. It also shows the HERDC Category 3 and 4 income, and the Research Commercialisation for these codes. See **Section 4** for a more detailed breakdown.

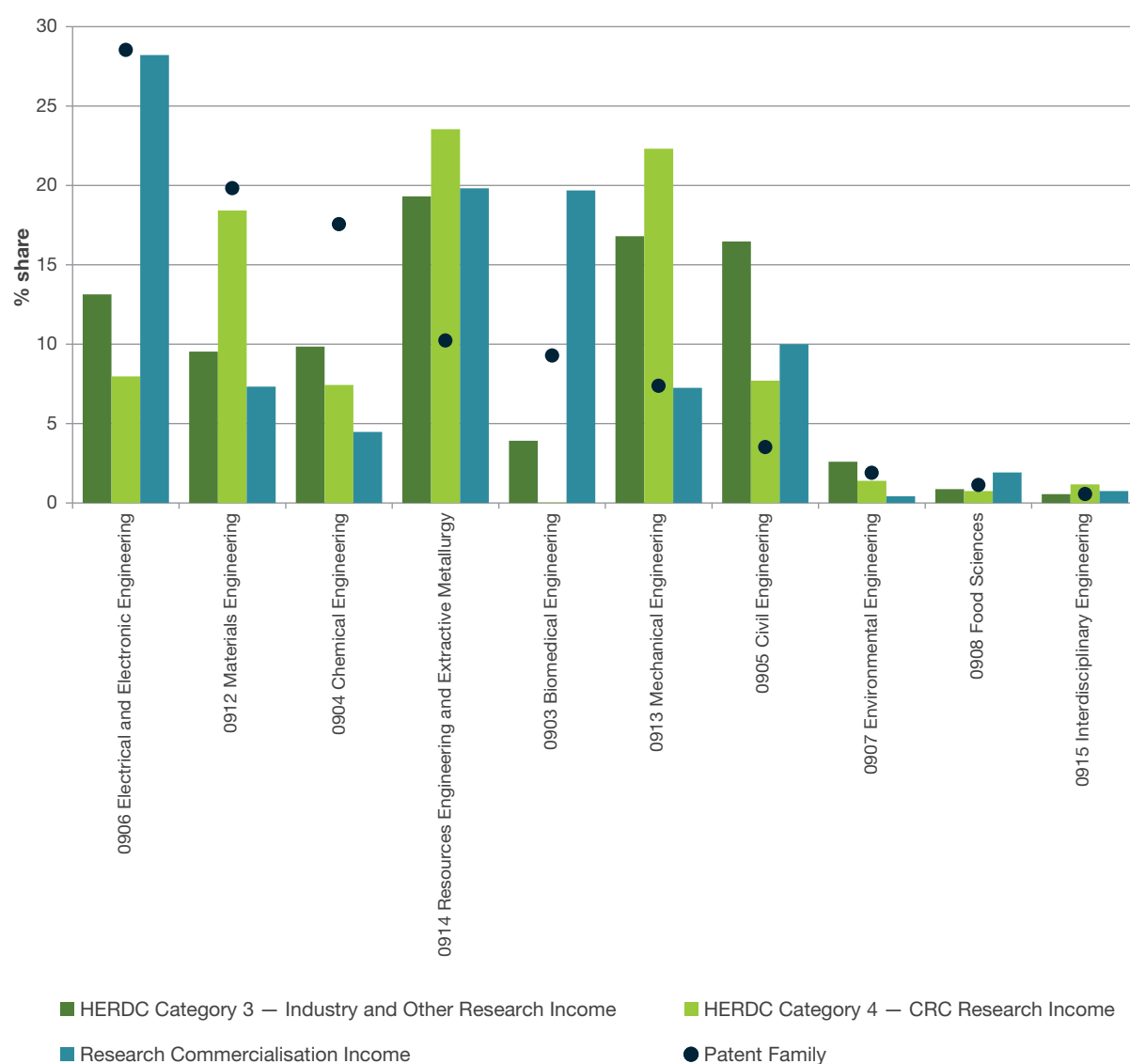
PATENTS AND APPLIED INCOME SOURCES BY FOR CODE



ENGINEERING PATENTS AND INCOME FROM APPLIED SOURCES

Electrical and Electronic Engineering (0906) was responsible for the highest share of patents (29 per cent) within engineering and also producing high levels of research commercialisation income (28 per cent) while attracting moderate levels of support from industry and other research income sources (13 per cent) and CRC research income (eight per cent).

In contrast Resources Engineering and Extractive Metallurgy (0914) account for a 10 per cent share of patents however this field also reported a high proportion of the research commercialisation income (20 per cent), investment by industry and other research income sources (19 per cent) and CRC research income (24 per cent).

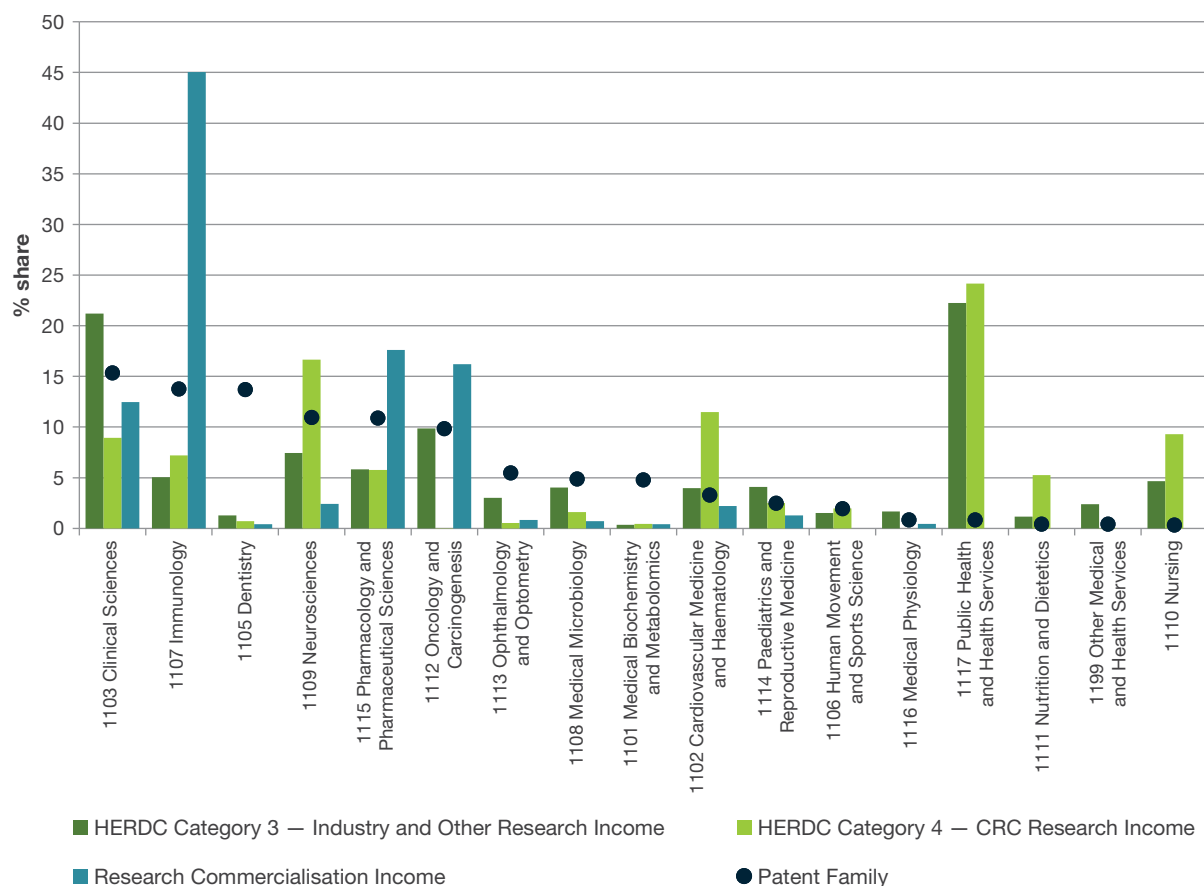


Note: Only four-digit Engineering codes with patents submitted are shown in the chart.

MEDICAL AND HEALTH SCIENCES PATENTS AND INCOME FROM APPLIED SOURCES

Clinical Sciences (1103) produced the largest share of patents (15 per cent) within the 11 Medical and Health Sciences. This discipline was responsible for a 21 per cent share of income from industry and other research income sources, a 12 per cent share of the reported research commercialisation income, and nine per cent share of CRC research income.

Immunology (1107) reported the greatest amount of research commercialisation income, comprising 45 per cent of that income type for all of the 11 Medical and Health Sciences.



Note: Four-digit Medical and Health Sciences codes that had no patents are not shown in the chart.

ADDITIONAL REPORTING ON ERA 2015

ERA is an assessment system that evaluates the quality of the research conducted at Australian universities by discipline. It identifies the research strengths of individual universities and of the sector as a whole. It also highlights disciplines where there are opportunities to develop the research capacities of Australian universities.

All eligible institutions submit comprehensive information to the ARC about their research activities, including details relating to staff, publications and other research outputs, awards, grants, income from industry and other research users, income from the commercialisation of research, and other applied measures such as patents. Submitted items can be coded to multiple fields of research, facilitating the capture of interdisciplinary activity. Committees of internationally-recognised researchers evaluate this material by discipline. Their expert judgments are informed by a range of summary indicators and quality assessments derived from the data submitted.

The *State of Australian University Research: Volume 1 ERA National Report* provides the first detailed look at the information submitted by Australian eligible institutions to the ERA evaluation and the ratings decisions made by Research Evaluation Committees (RECs) of internationally-recognised researchers. Subsequent volumes of this report will provide in-depth analysis of selected topics, these analysis will include such topics such as volume and activity, gender, open access and other areas of interest.

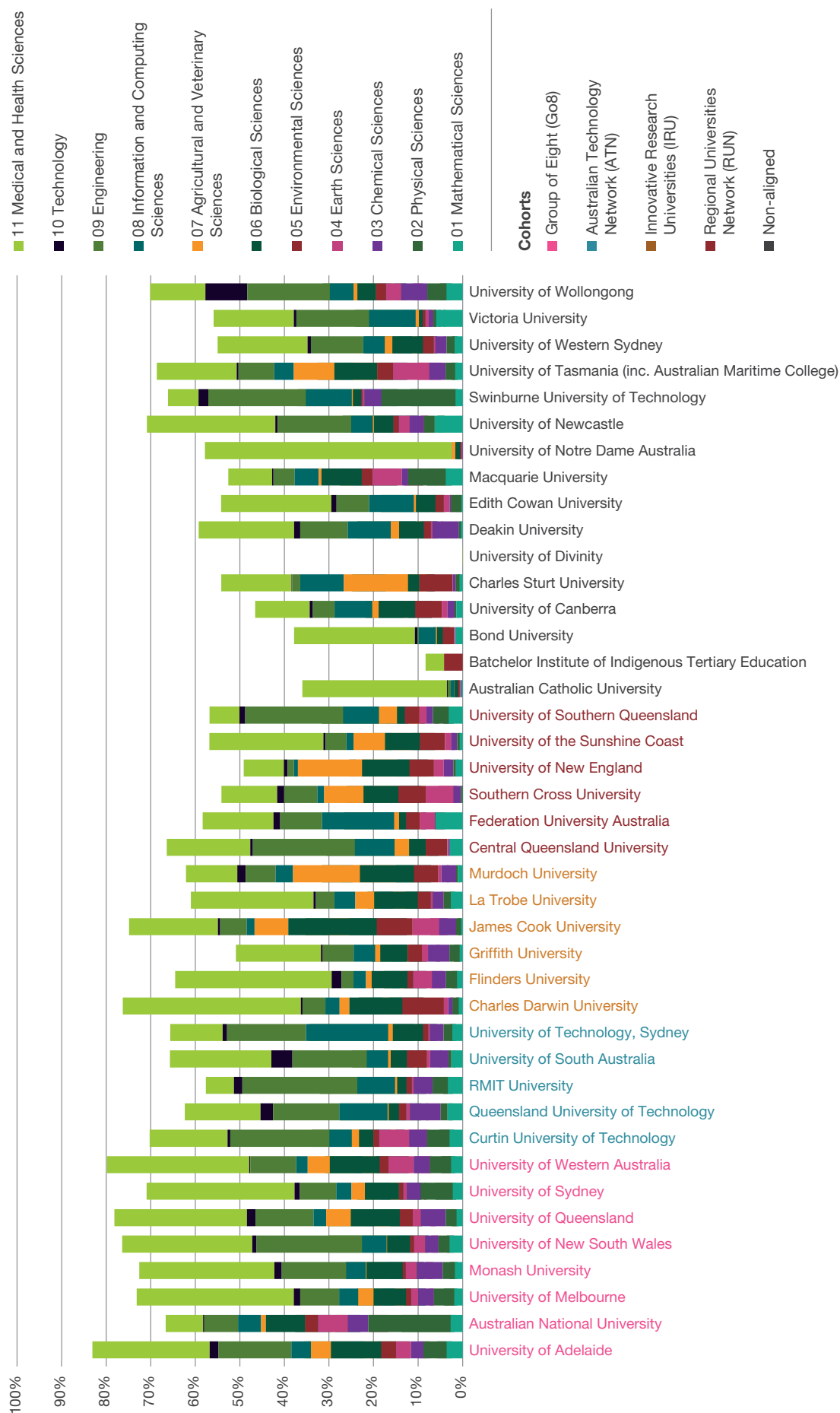
The following part of this section provides some preliminary analysis of the diversity within institutions in terms of the volume of research outputs and submitted FTE staff. In addition, there is a brief look at the gender and open access reporting that was first introduced in ERA 2015 (this information was requested for reporting information only, it was not presented to Research Evaluation Committees during evaluation).

Diversity within Institutions

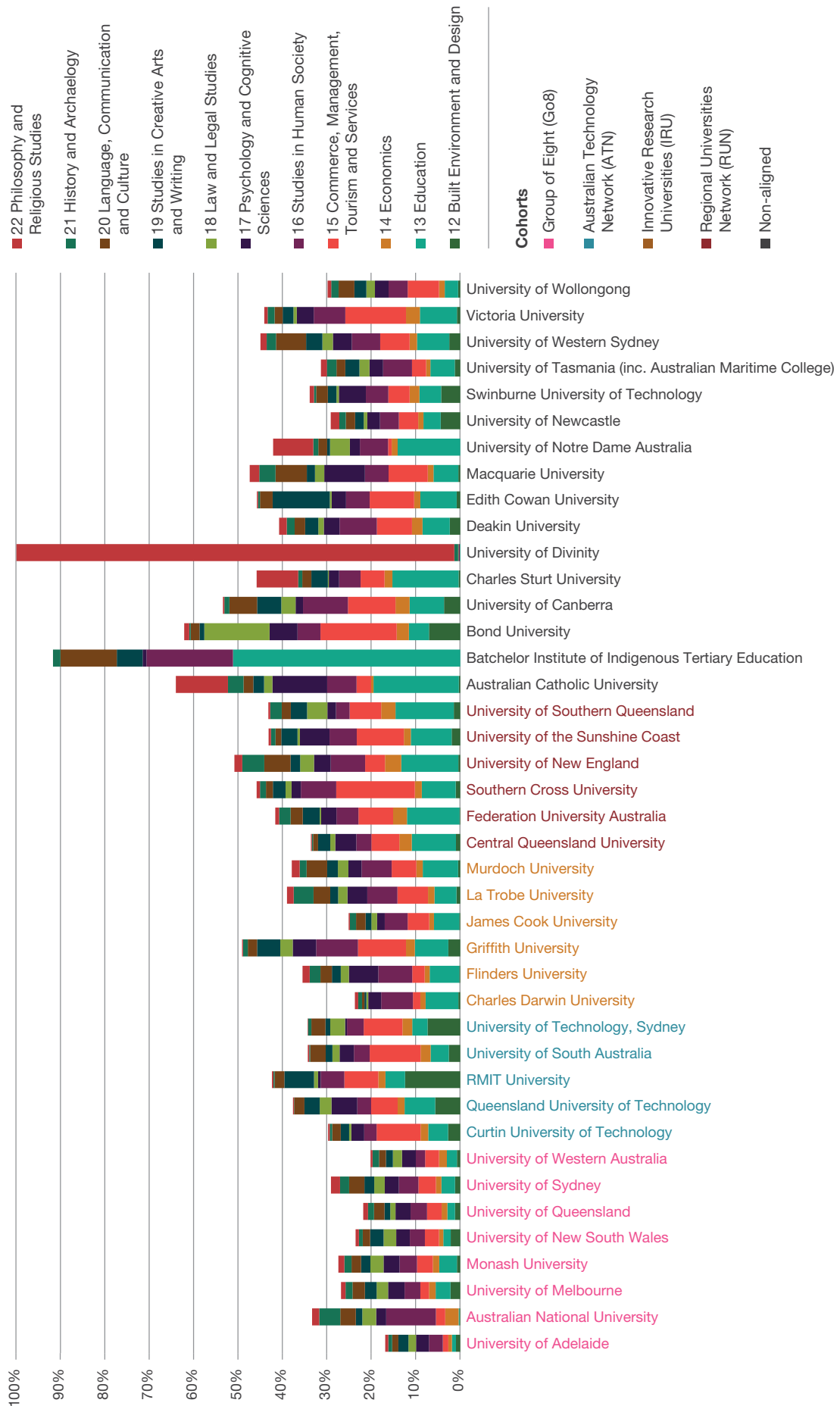
The following charts show the percentage distribution of submitted outputs and FTE staff across two-digit FoR codes by institution. The institutions are grouped by cohort (i.e. Group of Eight (Go8), Australian Technology Network (ATN), Innovative Research Universities (IRU), Regional Universities Network (RUN), and non-aligned). These charts highlight the considerable diversity in discipline focus between institutions and across cohorts—a key strength of the Australian higher education sector.

The first chart shows what percentage of outputs each institution submitted under FoR codes 01 Mathematical Sciences through to 11 Medical and Health Sciences; the second chart shows each institution's output distribution across codes 12 Built Environment and Design through to 22 Philosophy and Religious Studies. The third and fourth charts show the distribution of submitted FTE staff for each institution.

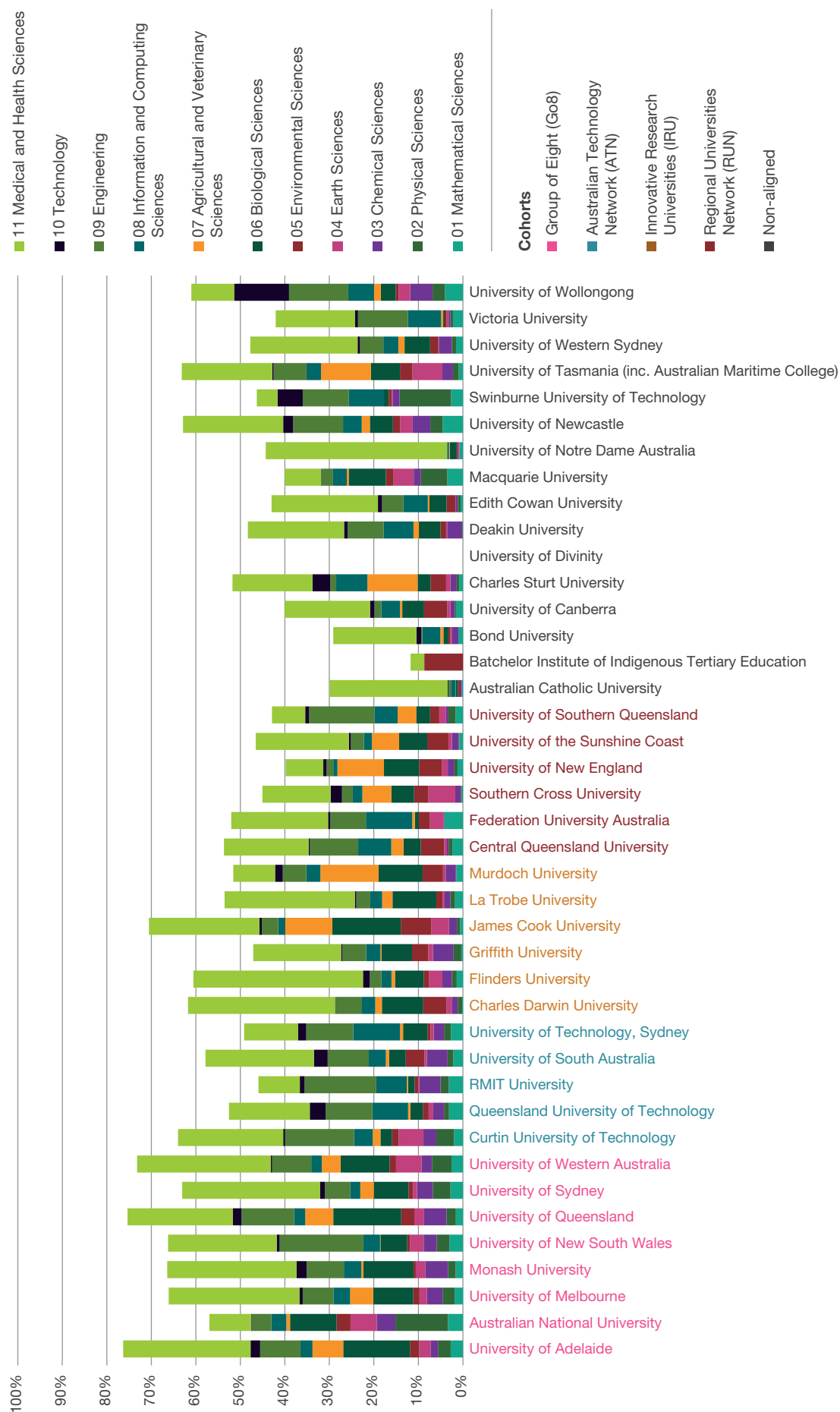
DISTRIBUTION OF SUBMITTED OUTPUTS BY FOR CODE (01 TO 11) AND INSTITUTION



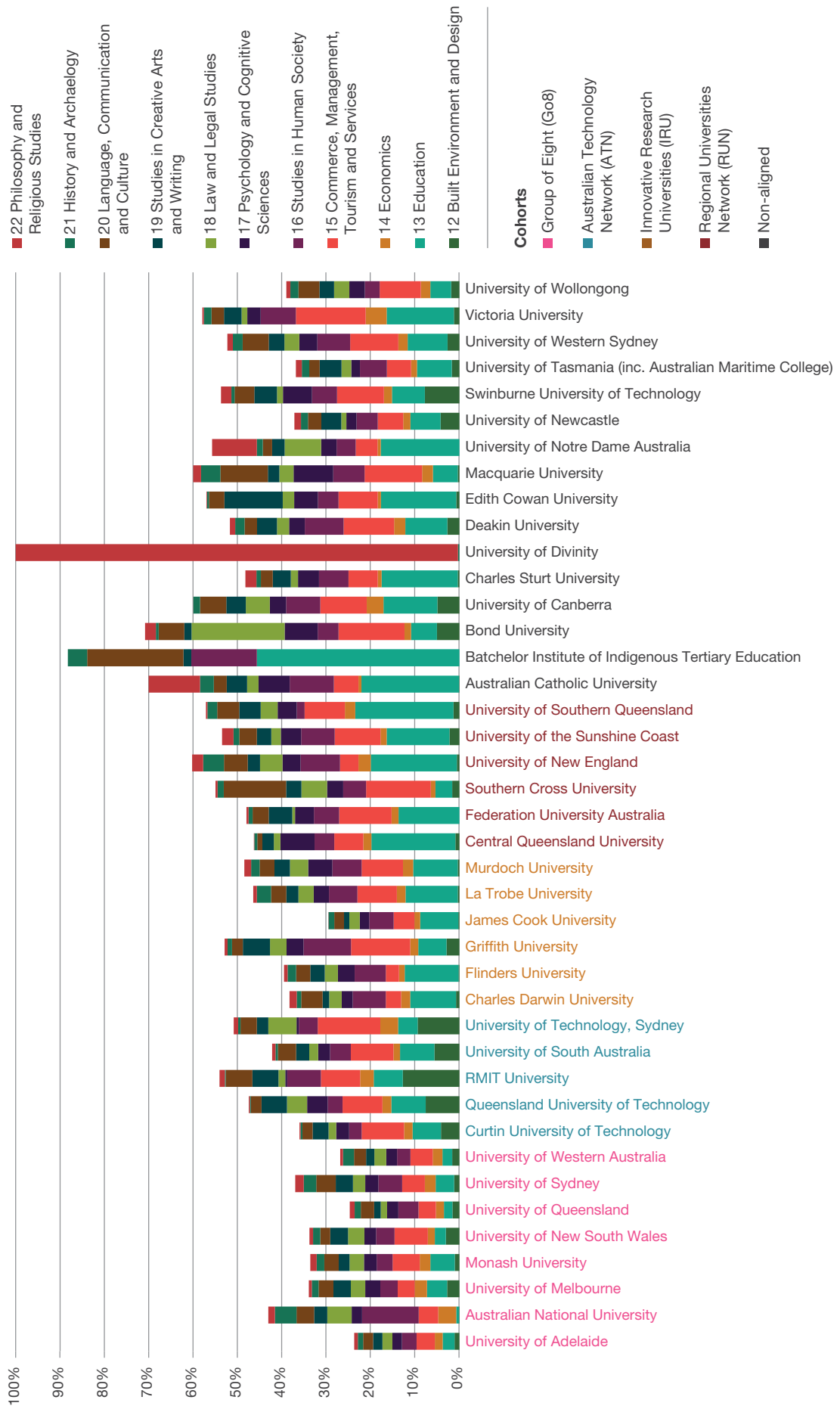
DISTRIBUTION OF SUBMITTED OUTPUTS BY FOR CODE (12 TO 22) AND INSTITUTION



DISTRIBUTION OF SUBMITTED FTE STAFF BY FOR CODE (01 TO 11) AND INSTITUTION



DISTRIBUTION OF SUBMITTED FTE STAFF BY FOR CODE (12 TO 22) AND INSTITUTION



Gender

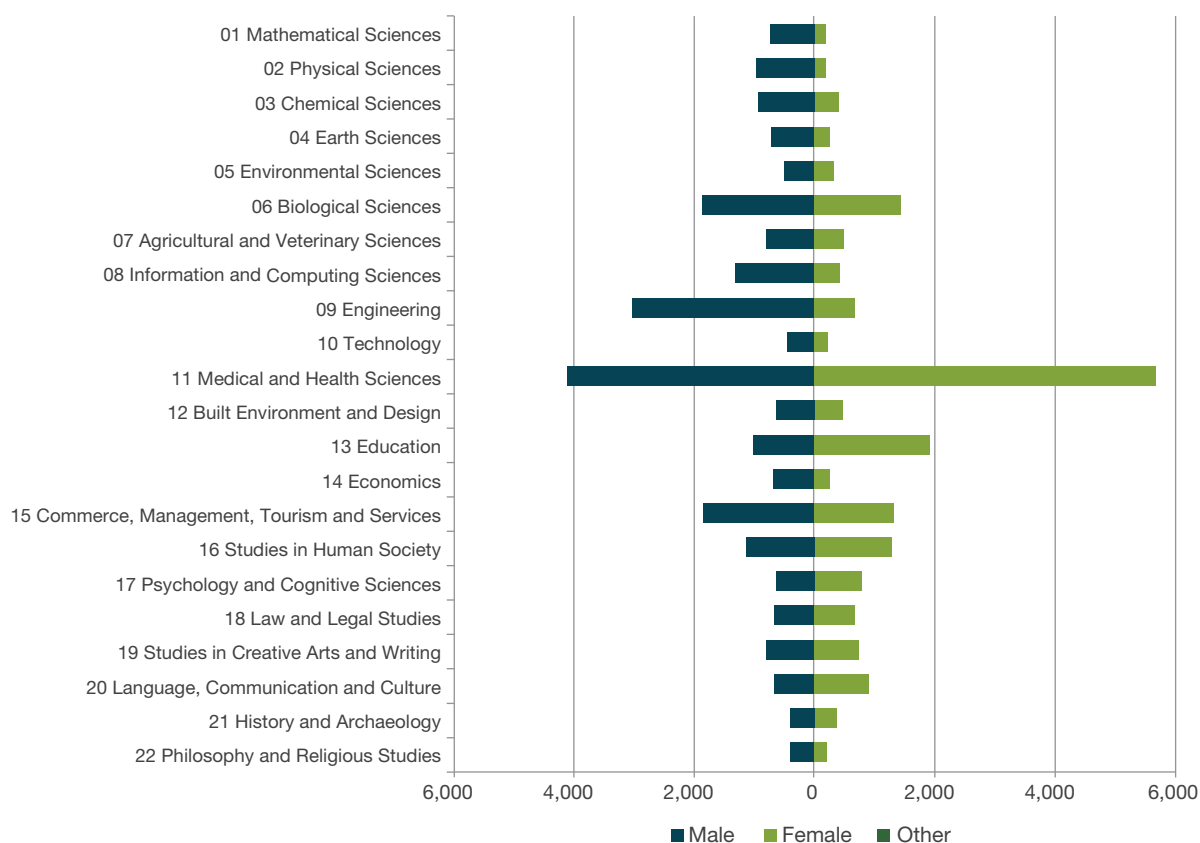
In ERA 2015, institutions were required to submit gender data for each eligible researcher. The gender of the eligible researcher was provided as either 'Male', 'Female', or 'Other'.

Gender data were collected for aggregate reporting and internal ARC analysis only, this information was not provided to peer reviewers or Research Evaluation Committees (RECs) and was not used as part of the ERA 2015 evaluation process.

The following two charts show the number of FTE staff by gender by two-digit Fields of Research, and FTE staff by gender by employment level.

NUMBER OF FTE STAFF BY GENDER BY TWO-DIGIT FOR CODE

The chart below shows the number of FTE staff working in eligible institutions by two-digit Fields of Research.



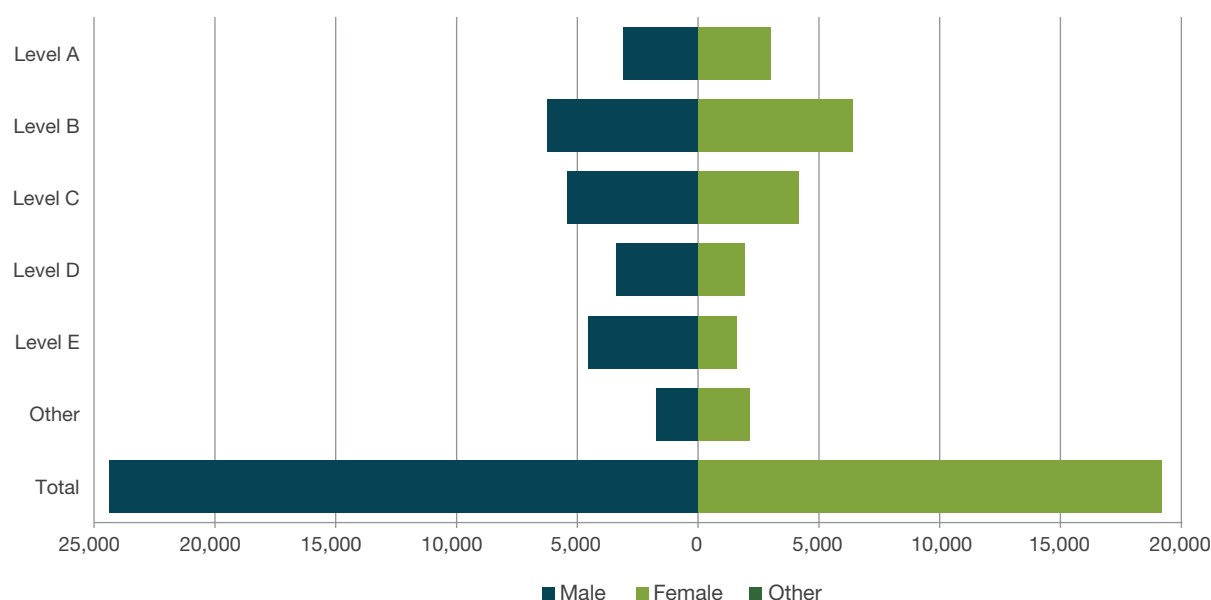
Note: Only 15.8 FTE staff were reported as 'other' by institutions, these do not appear on the chart due to the scale.

NUMBER OF FTE STAFF BY GENDER BY EMPLOYMENT LEVEL

The following chart shows the number of FTE staff by gender by academic level and includes the levels collected for ERA purposes, academic levels A–E and ‘other’ employment level:

- › Level A — Tutor/Associate Lecturer
- › Level B — Lecturer
- › Level C — Senior Lecturer
- › Level D — Reader/Associate Professor
- › Level E — Professor
- › ‘Other’, as an employment category, represents staff members who are employed at a eligible institution, which includes: teaching only, administrative staff and contractors to the university who are not classified as academic level A–E.

The employment level with the highest number of both males and females for FTE staff was Level B.



Note: Only 15.8 FTE staff were reported as ‘other’ by institutions, these do not appear on the chart due to the scale.

Open Access

As part of the ERA 2015 submission process, institutions were required to indicate whether a research output submitted to ERA had been made available in an open access repository. Eligible institutions were required to answer yes or no to this new and mandatory data requirement.

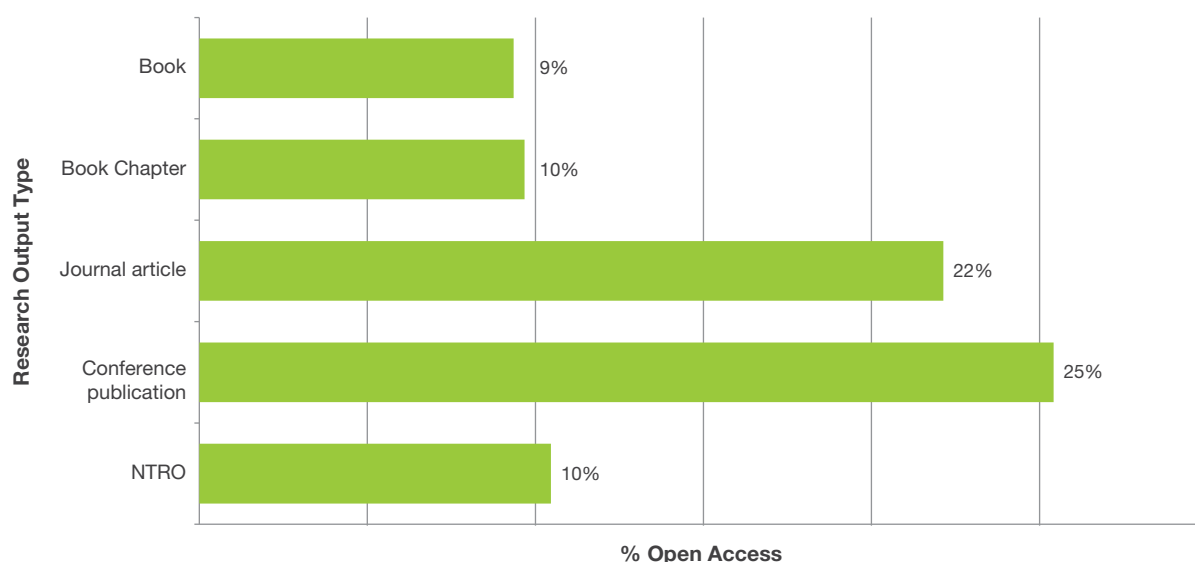
This open access data requirement will give the ARC some insight into the open access publishing trends in eligible institutions. However, open access data did not form part of the evaluation process and was not made available to peer reviewers or Research Evaluation Committees (RECs).

Since the supply of information on open access by institutions was a data requirement for ERA 2015 subsequent to the collection of the research outputs by institutions, in many cases the institutions had to retrospectively answer this question. Institutions were asked to provide as accurate information as was possible. Therefore, the information should be treated with caution and will only form a baseline for more accurate reporting in any future rounds.

Please note: the ARC Open Access Policy took effect from 1 January 2013. According to the policy, any publications arising from an ARC supported research project must be deposited into an open access institutional repository within a 12 month period from the date of publication. The ARC Open Access Policy incorporated all ARC Funding Rules and Agreements released after 1 January 2013. The policy does not apply retrospectively to pre-existing Funding Rules and Agreements.

Where depositing research outputs in an ‘open access’ repository is a condition of any funding which enabled the research to be undertaken, full public access to the research output(s) should exist, irrespective of the ERA submission process, as a result of the eligible researcher complying with that funding condition.

PERCENTAGE OF OPEN ACCESS RESEARCH OUTPUTS IN ERA 2015 SUBMISSIONS



Research Outputs	86
HERDC Research Income Summary (All Categories)	87
HERDC Category 1 — Australian Competitive Grants Research Income	88
HERDC Category 2 — Other Public Sector Research Income	90
HERDC Category 3 — Industry and Other Research Income	92
HERDC Category 4 — CRC Research Income	94
FTE Staffing Profile	96
Esteem Measures	97
Patents Granted	98
Registered Designs	99
Plant Breeder's Rights	100
National Health and Medical Research Council (NHMRC) Endorsed Guidelines	100
Research Commercialisation Income	101

The background of the page is a light beige color with a faint, stylized map of the United States. Overlaid on the map is a grid of thin, light gray lines, creating a pattern of squares and rectangles across the entire page.

SECTION 2

Overview by Two-Digit Fields of Research Code

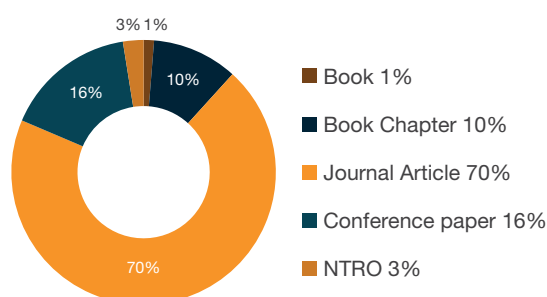
Section 2 provides a summary of ERA 2015 data at the two-digit Fields of Research (FoR) level for research outputs, HERDC income, staffing, esteem and applied measures. A detailed breakdown of all these indicators at the two-digit and four-digit levels is shown in **Section 4** of this report.

Research Outputs

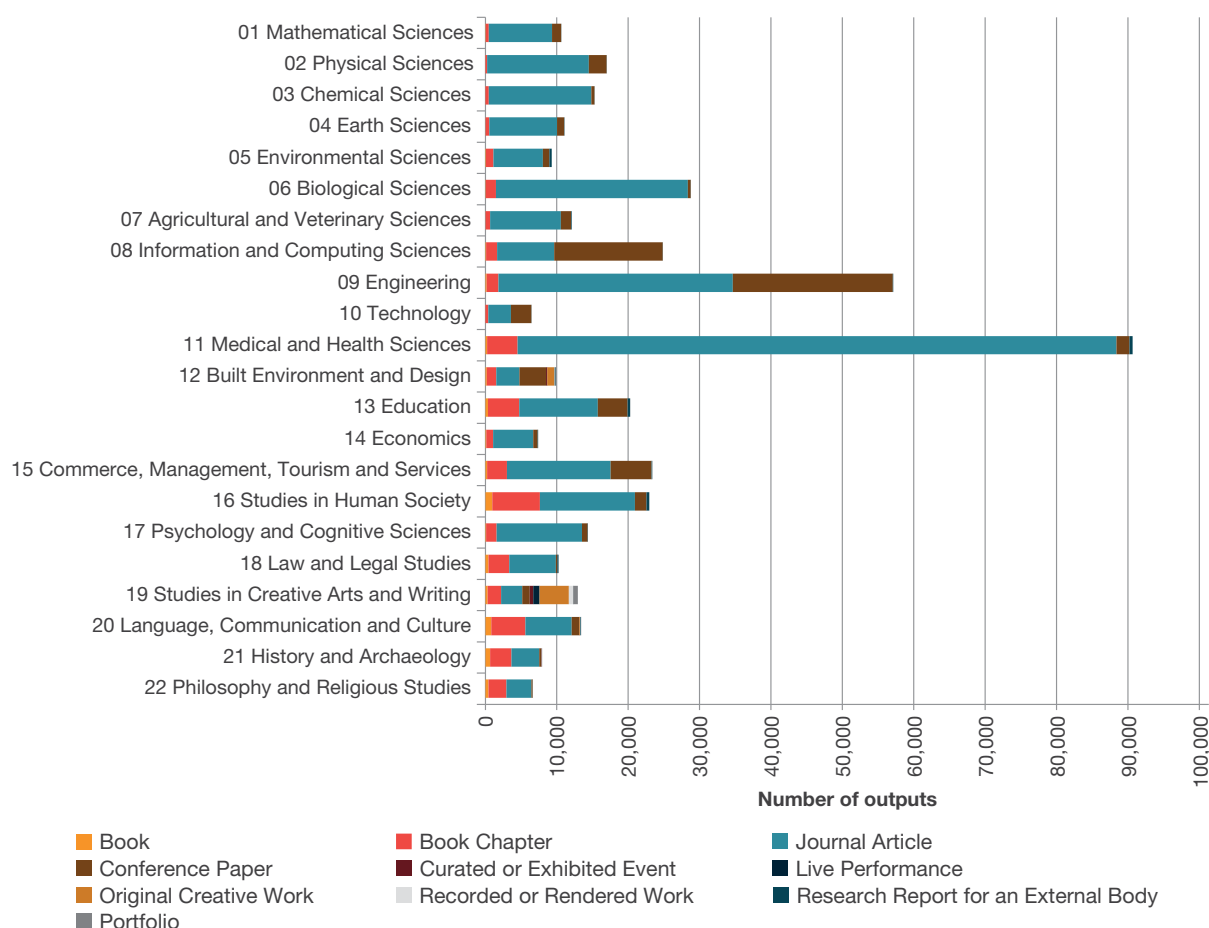
All 41 eligible higher education institutions submitted research outputs for evaluation to ERA 2015.

Over 430,000 outputs across 157 four-digit Fields of Research (FoR) codes were submitted. The majority of the outputs were journal articles (70 per cent) followed by conference papers (16 per cent). Non-traditional research outputs (NTRO) constituted approximately three per cent of the outputs submitted to ERA 2015. See **Section 4** for a detailed breakdown.

RESEARCH OUTPUTS BY TYPE — ALL SUBMITTED OUTPUTS



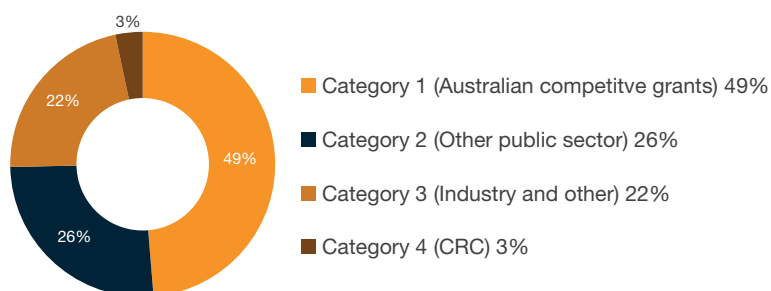
RESEARCH OUTPUTS BY TYPE BY TWO-DIGIT FOR CODE



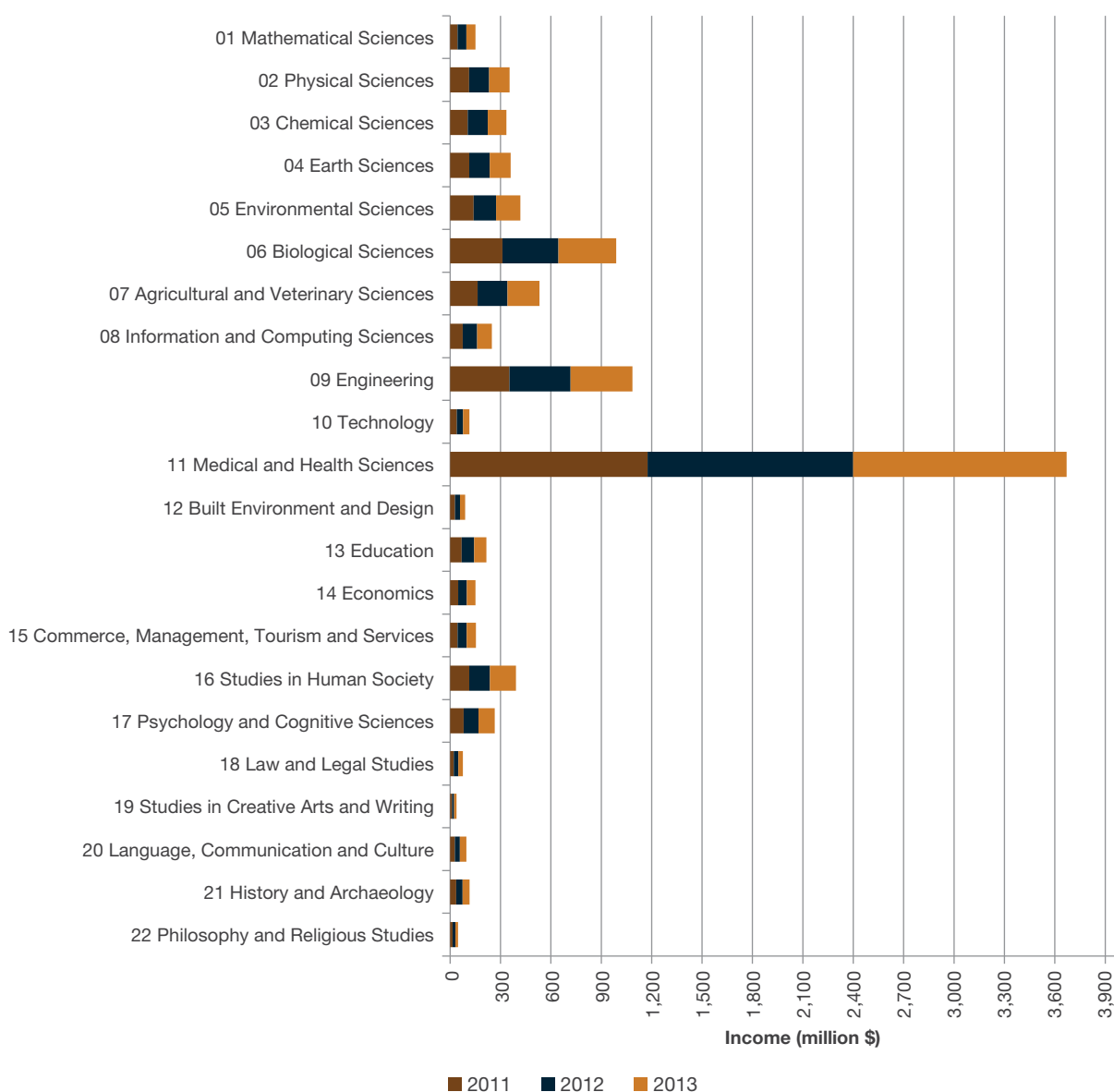
HERDC Research Income Summary (All Categories)

Over \$9.90 billion in research funding was submitted to ERA 2015 in the research income reference period (1 January 2011—31 December 2013), with around 49 per cent of all research income submitted being HERDC Category 1 — Australian Competitive Grants. See **Section 4** for a detailed breakdown.

HERDC RESEARCH INCOME BY CATEGORY



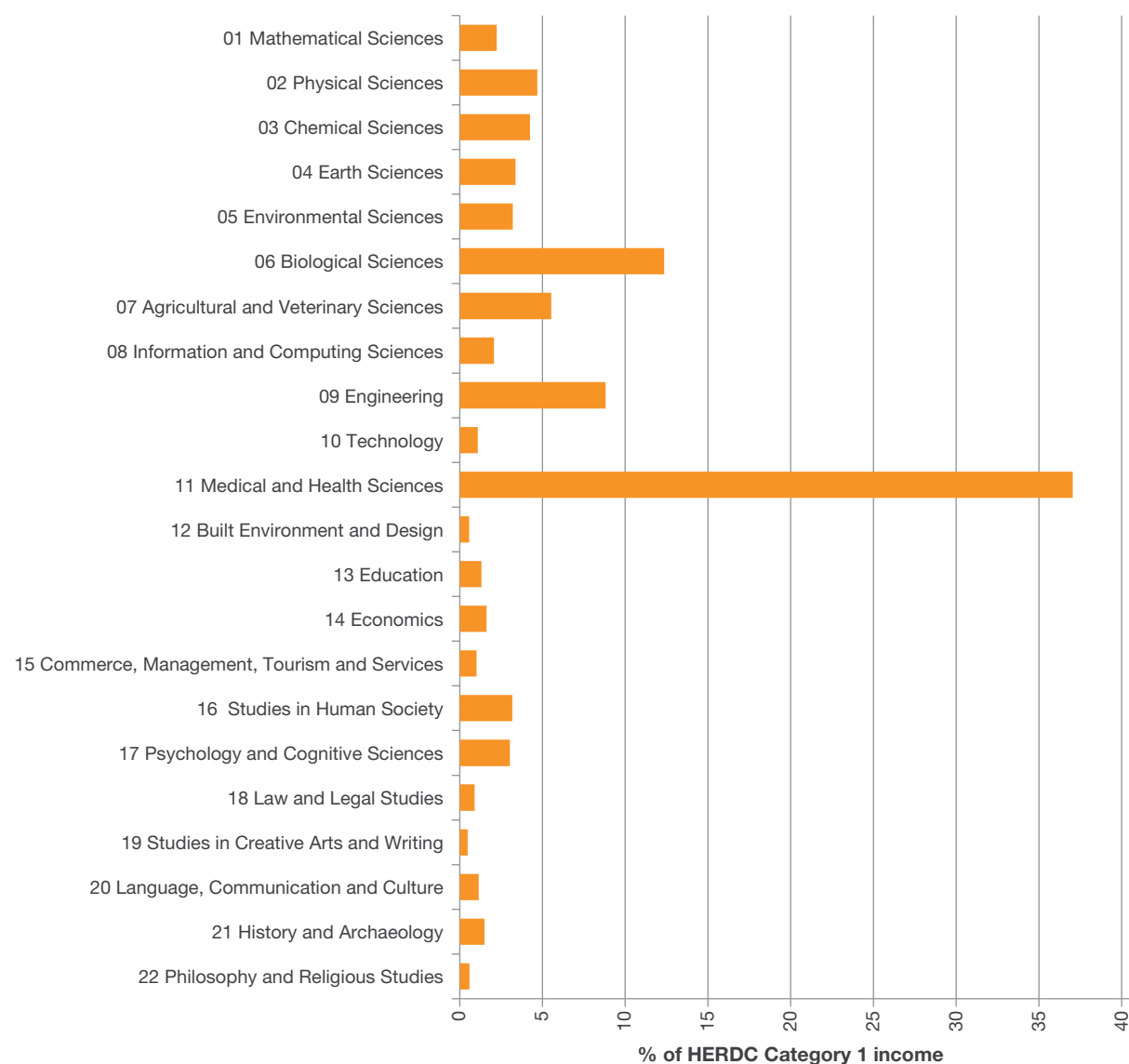
HERDC RESEARCH INCOME (ALL CATEGORIES) BY YEAR BY TWO-DIGIT FOR CODE



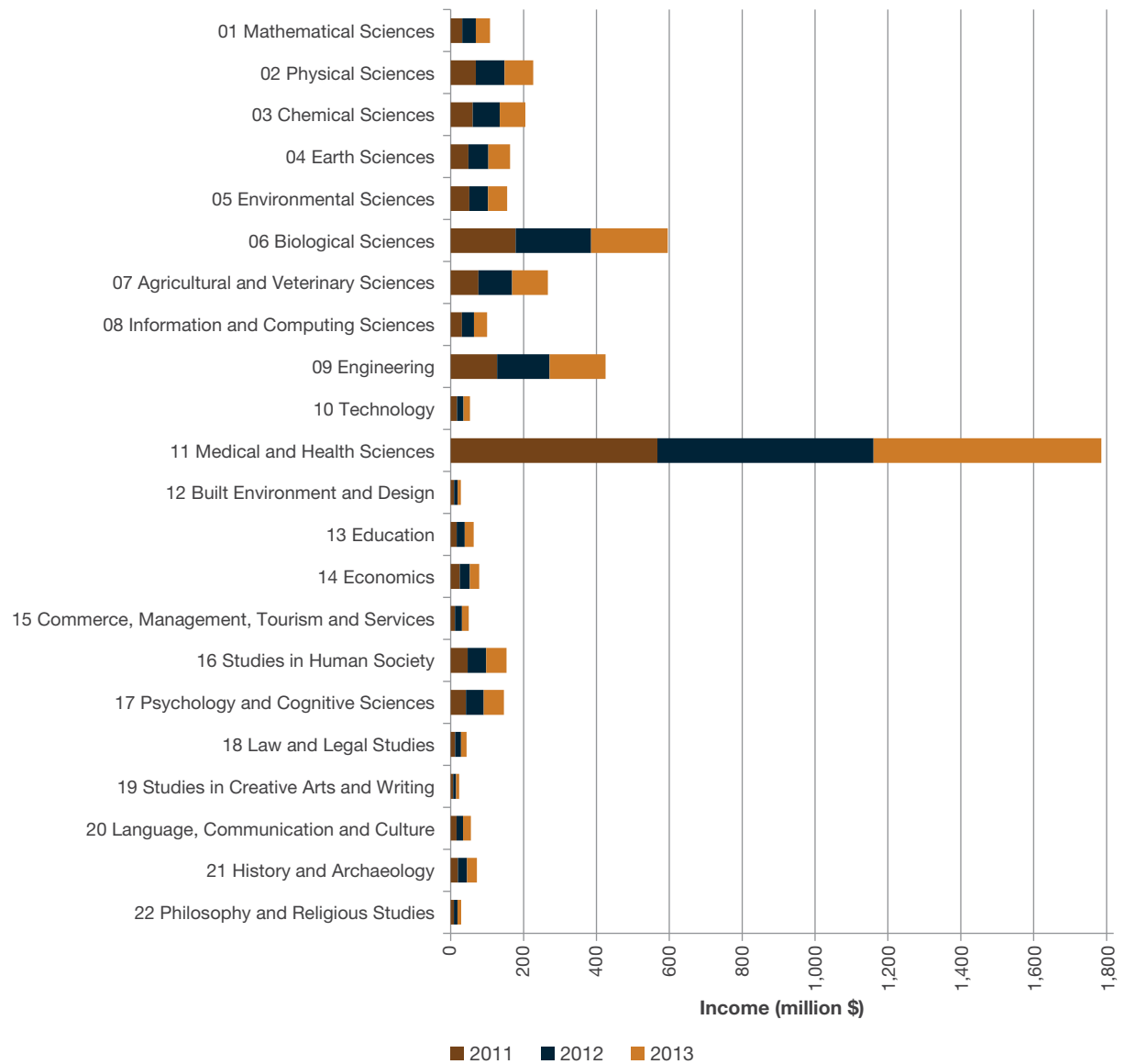
HERDC Category 1 — Australian Competitive Grants Research Income

Over \$4.82 billion of Australian Competitive Grants research income was submitted to ERA 2015. The two-digit FoR codes with the highest percentage of HERDC Category 1 income were 11 Medical and Health Sciences (37 per cent), followed by 06 Biological Sciences (12 per cent) and 09 Engineering (9 per cent). The yearly income amounts by two-digit code are shown in the second chart (million \$). See **Section 4** for a detailed breakdown.

HERDC CATEGORY 1 RESEARCH INCOME BY TWO-DIGIT FOR CODE



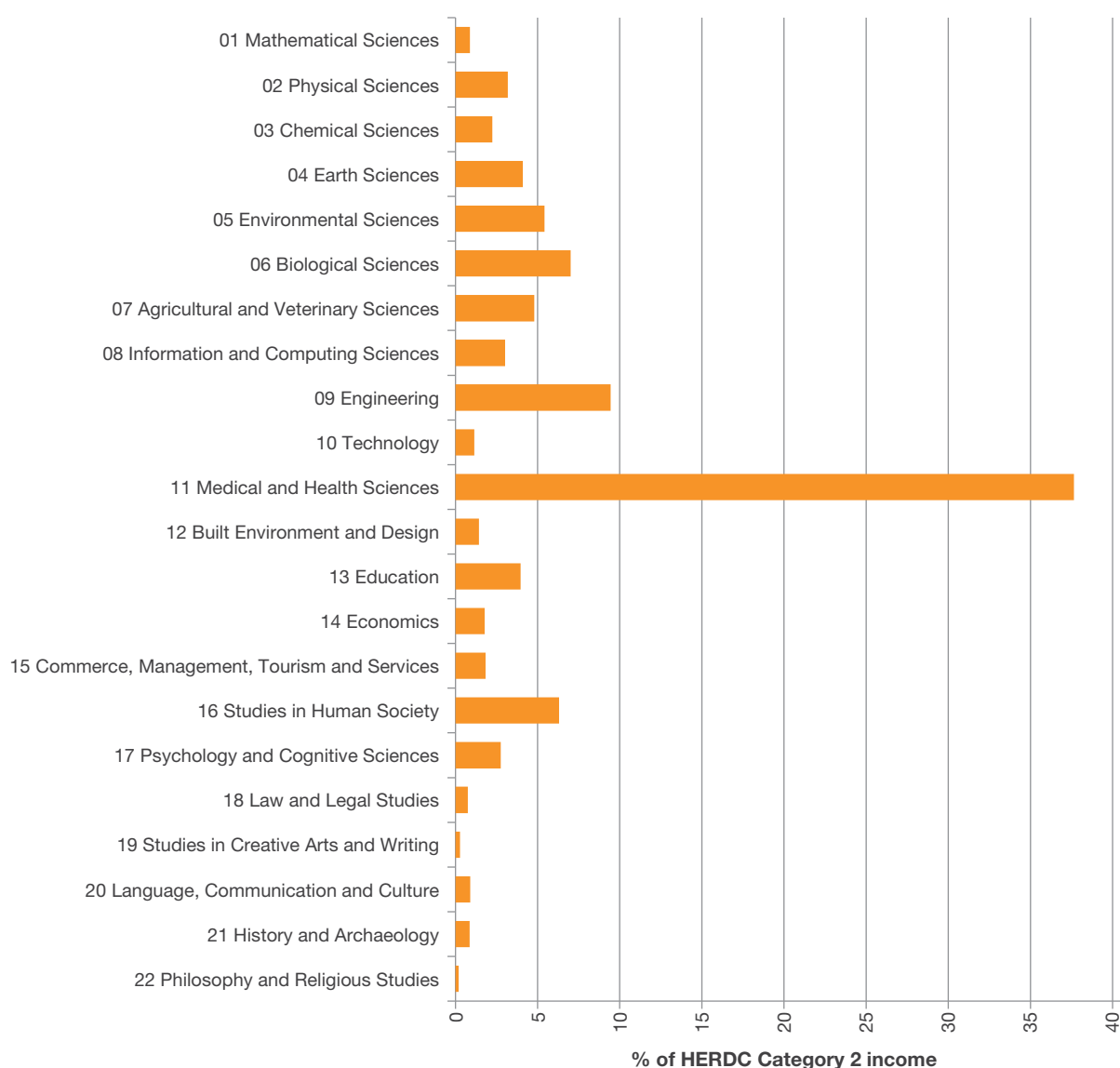
HERDC CATEGORY 1 RESEARCH INCOME BY YEAR BY TWO-DIGIT FOR CODE



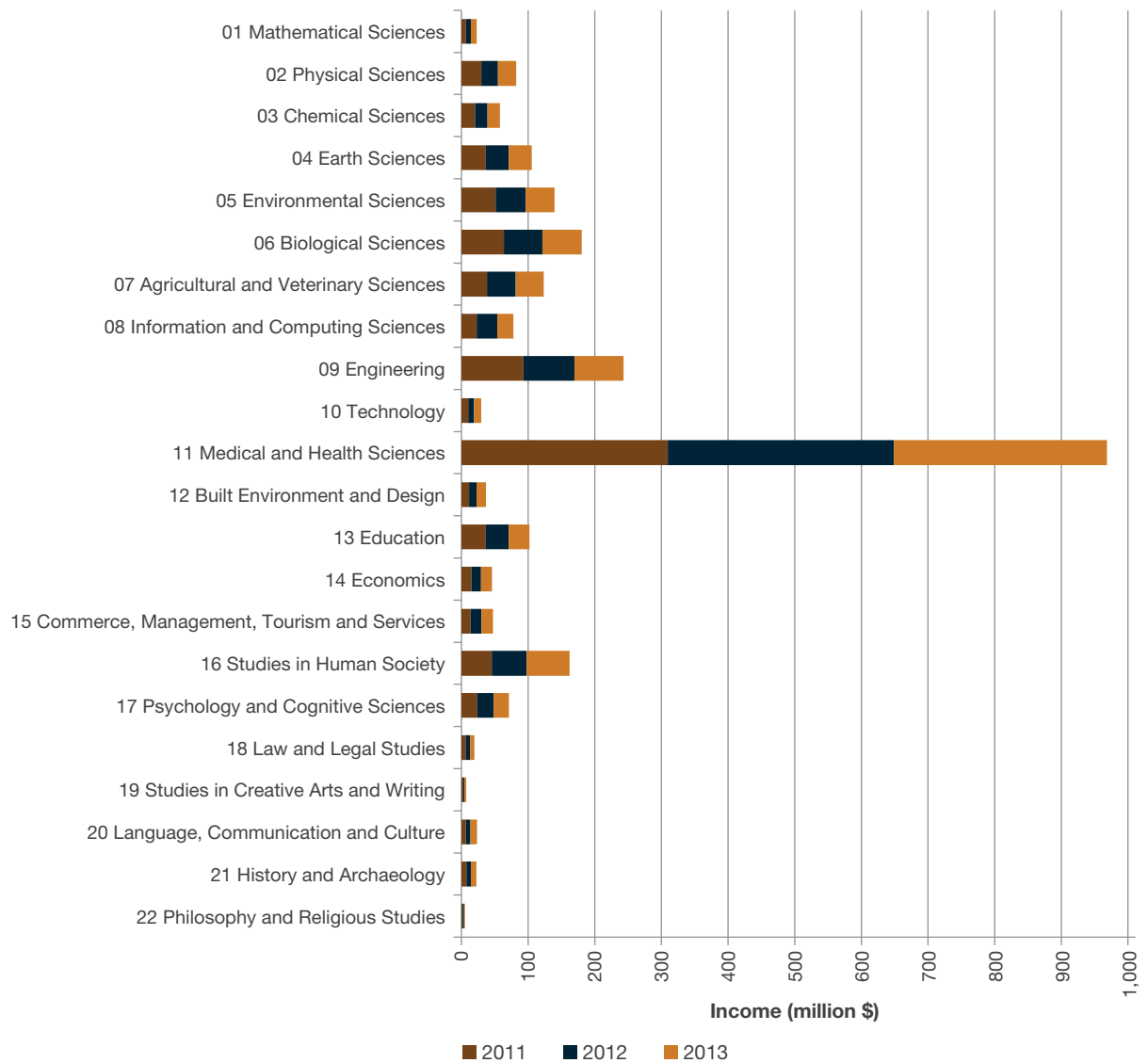
HERDC Category 2 — Other Public Sector Research Income

Over \$2.57 billion of Other Public Sector Research Income was submitted to ERA 2015. The two-digit FoR codes with the highest percentage of HERDC Category 2 income were 11 Medical and Health Sciences (38 per cent), followed by 09 Engineering (9 per cent) and 06 Biological Sciences (7 per cent). The yearly income amounts by two-digit code are shown in the second chart (million \$). See **Section 4** for a detailed breakdown.

HERDC CATEGORY 2 RESEARCH INCOME BY TWO-DIGIT FOR CODE



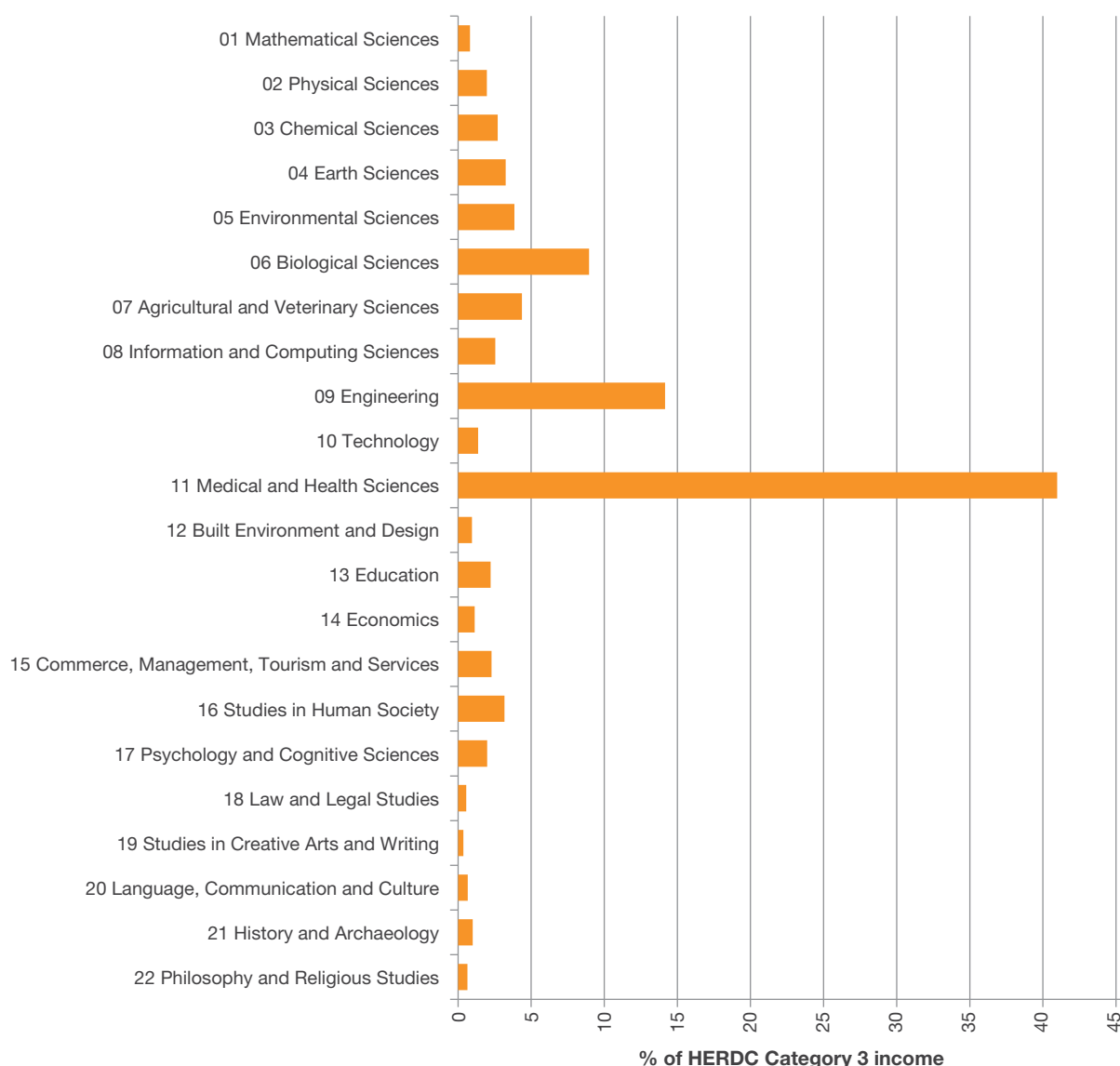
HERDC CATEGORY 2 RESEARCH INCOME BY YEAR BY TWO-DIGIT FOR CODE



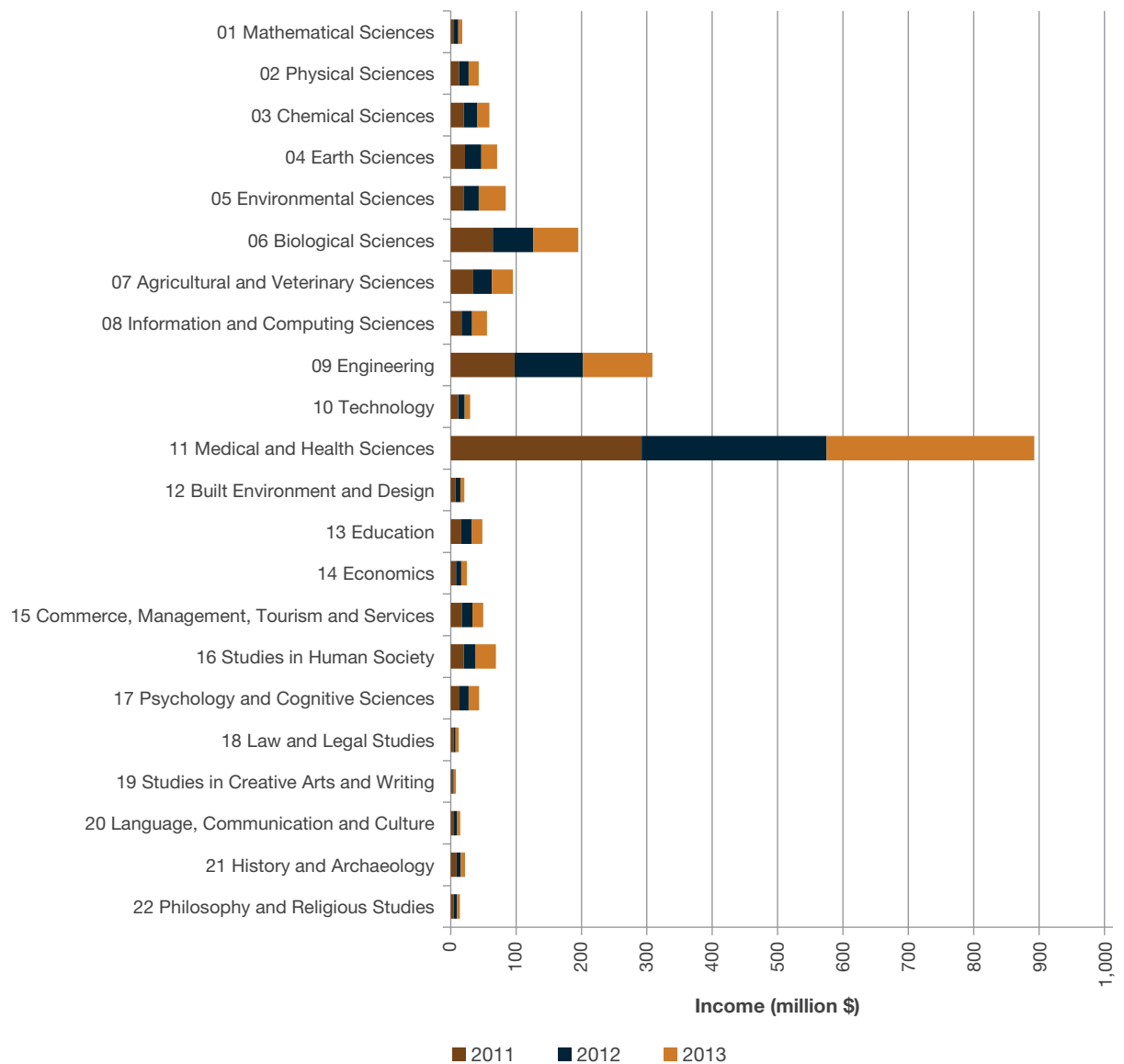
HERDC Category 3 — Industry and Other Research Income

Over \$2.17 billion of Industry and Other Research Income was submitted to ERA 2015. The two-digit FoR codes with the highest percentage of HERDC Category 3 income were 11 Medical and Health Sciences (41 per cent), followed by 09 Engineering (14 per cent) and 06 Biological Sciences (9 per cent). The yearly income amounts by two-digit code are shown in the second chart (million \$). See **Section 4** for a detailed breakdown.

HERDC CATEGORY 3 RESEARCH INCOME BY TWO-DIGIT FOR CODE



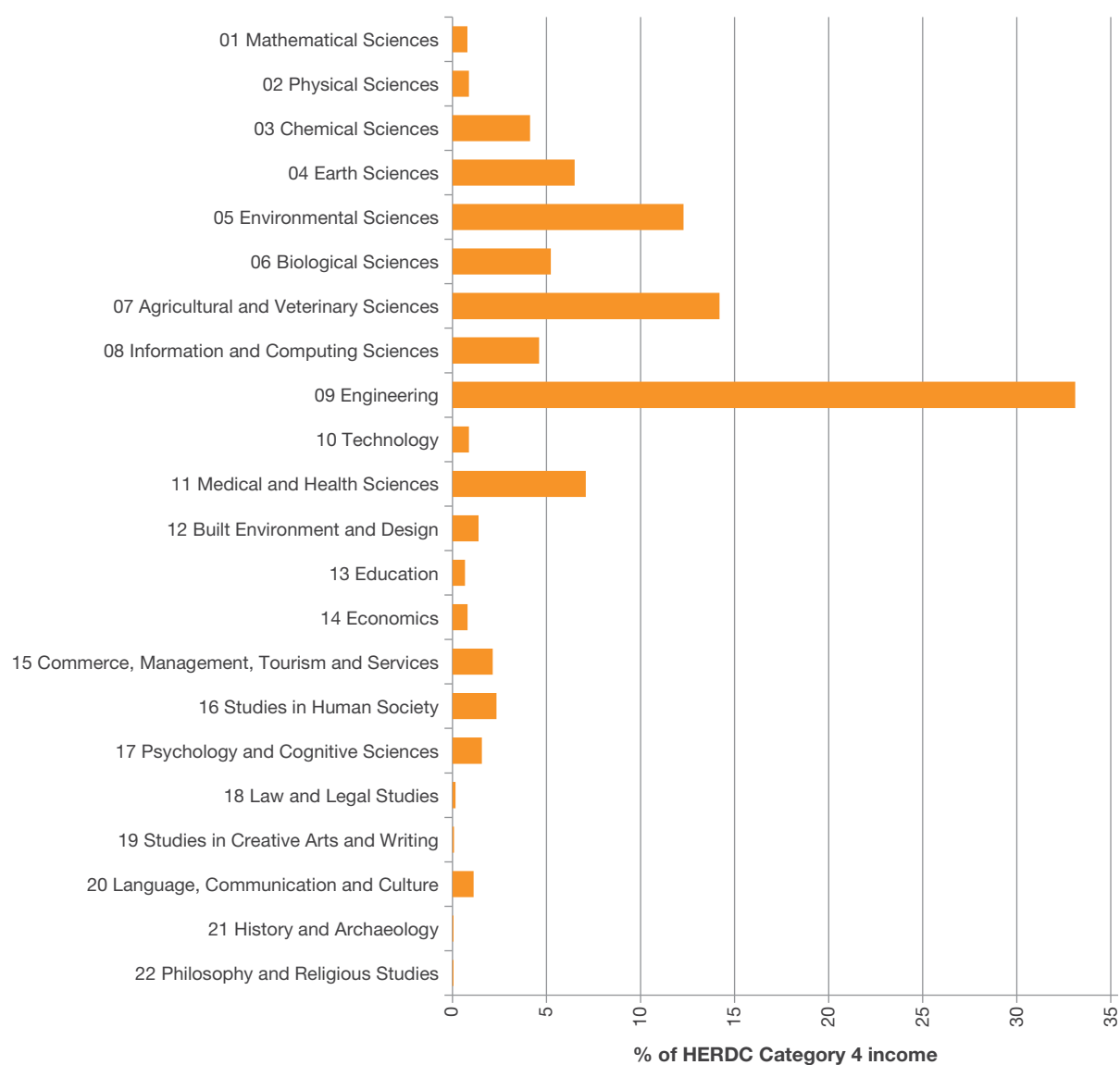
HERDC CATEGORY 3 RESEARCH INCOME BY YEAR BY TWO-DIGIT FOR CODE



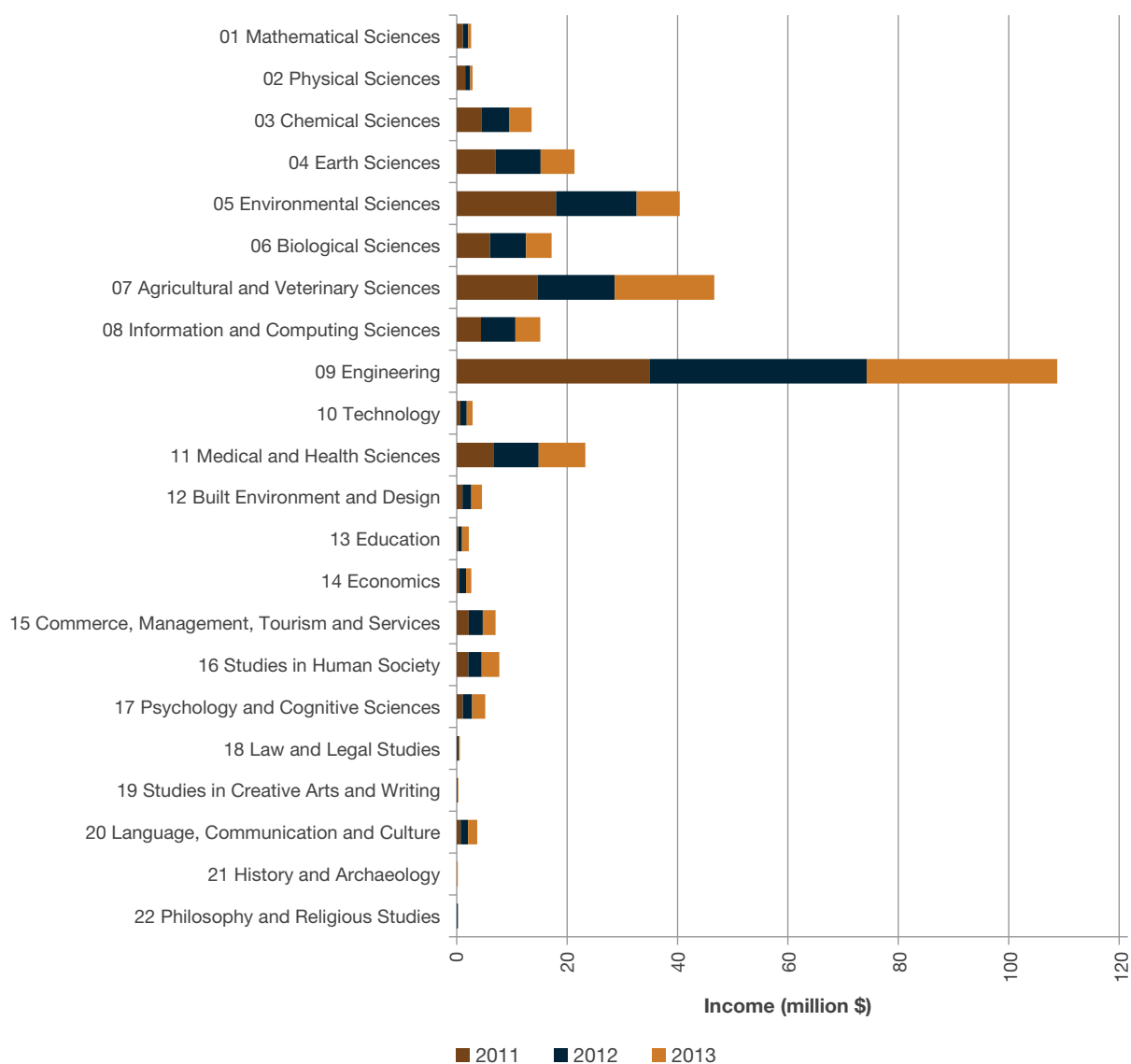
HERDC Category 4 — CRC Research Income

Over \$328 million of Cooperative Research Centre (CRC) income was submitted to ERA 2015. The two-digit FoR codes with the highest percentage of HERDC Category 4 income were 09 Engineering (33 per cent), followed by 07 Agricultural and Veterinary Sciences (14 per cent) and 05 Environmental Sciences (12 per cent). The yearly income amounts by two-digit code are shown in the second chart (million \$). See **Section 4** for a detailed breakdown.

HERDC CATEGORY 4 RESEARCH INCOME BY TWO-DIGIT FOR CODE



HERDC CATEGORY 4 RESEARCH INCOME BY YEAR BY TWO-DIGIT FOR CODE



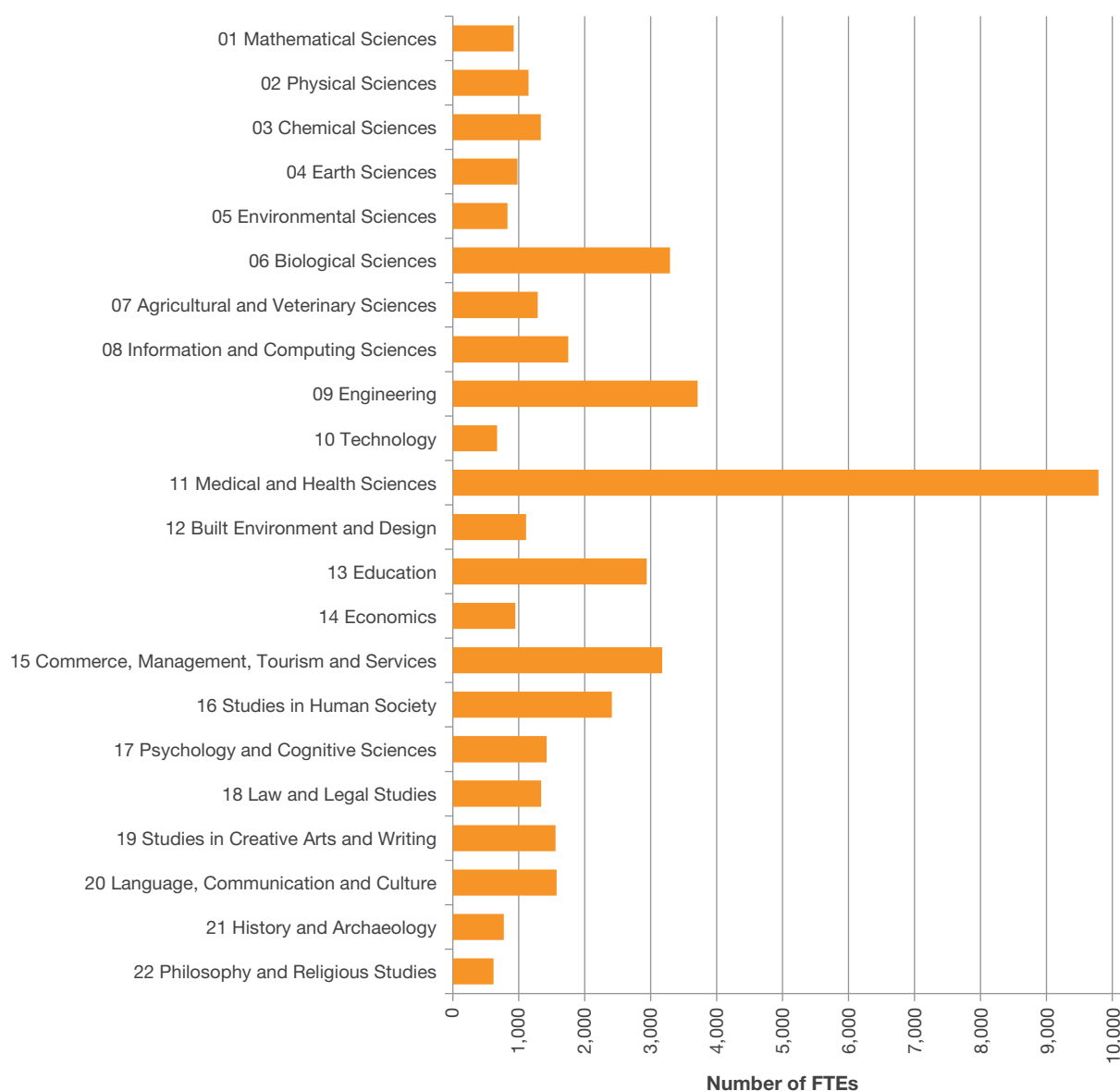
FTE Staffing Profile

Over 43,000 eligible FTE staff (over 47,000 actual individuals) were submitted to ERA 2015. Level B staff had the highest number of FTE staff by level. The two-digit FoR codes with the largest number of FTE staff was 11 Medical and Health Sciences, followed by 09 Engineering, 06 Biological Sciences and 15 Commerce, Management, Tourism and Services. See **Section 4** for a detailed breakdown.

HESDC LEVEL BY FTE AND HEADCOUNT

HESDC	FTE	% FTE	FTE Headcount	% FTE Headcount
Level E	6,142.6	14.1	6,649.0	14.0
Level D	5,298.4	12.2	5,615.0	11.8
Level C	9,567.7	22.0	10,226.0	21.6
Level B	12,657.1	29.0	13,795.0	29.1
Level A	6,081.3	14.0	6,784.0	14.3
Other	3,834.6	8.8	4,332.0	9.1
Total	43,581.8	100.0	47,401.0	100.0

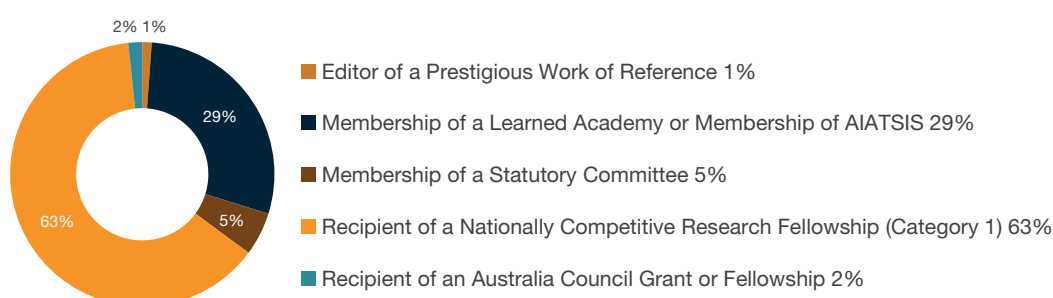
STAFFING PROFILE BY FTE BY TWO-DIGIT FOR CODE



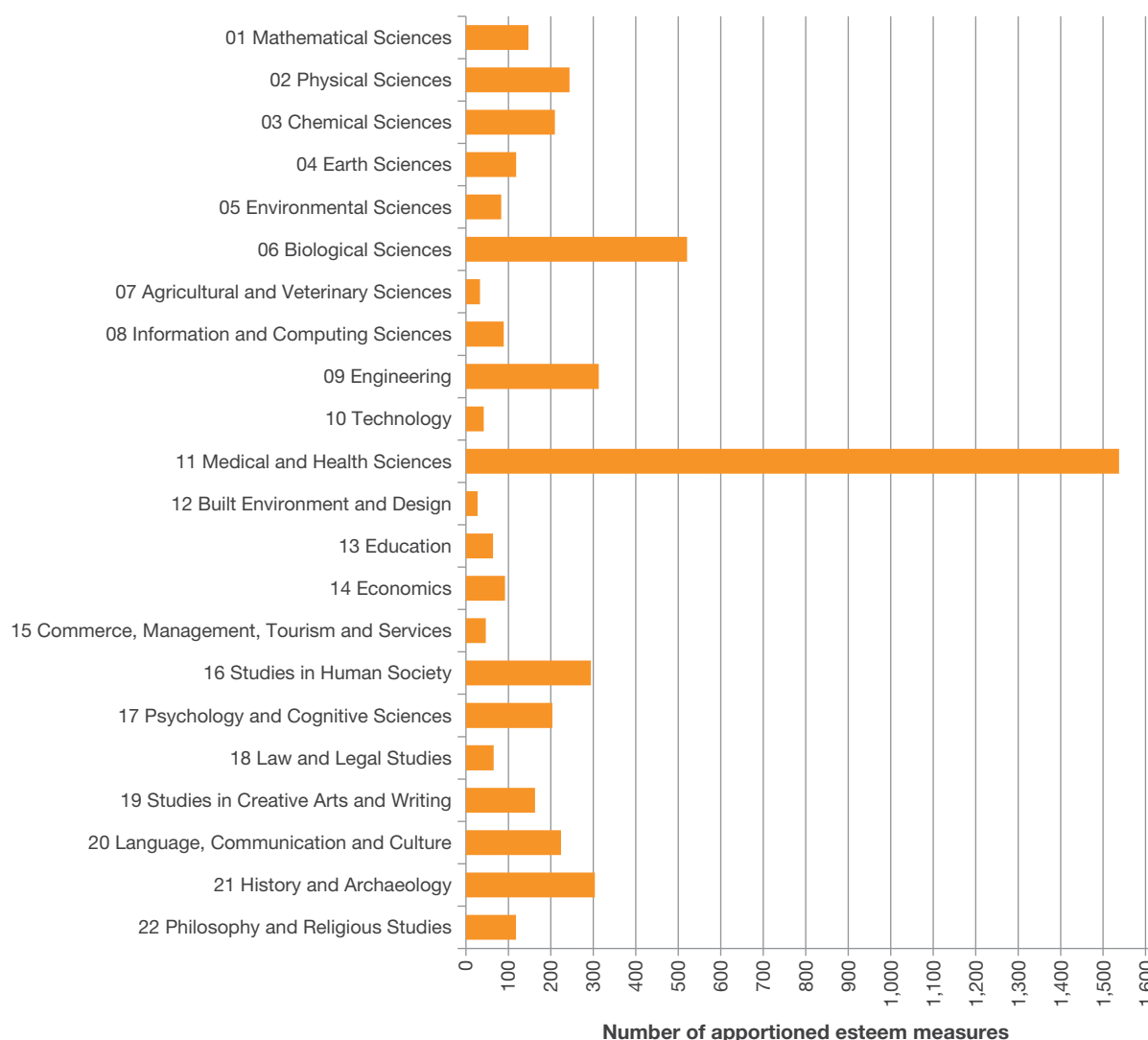
Esteem Measures

Esteem measures eligible for ERA 2015 embody a measure of prestige and are recognised by experts within the discipline as a highly desired, highly regarded form of accolade or acknowledgment. Almost two-thirds of apportioned esteem measures were Recipients of a Nationally Competitive Research Fellowship (Category 1), while Membership of a Learned Academy or Membership of AIATSIS accounted for most of the remaining total amount of esteem measures. The two-digit codes which had the highest total number of apportioned esteem measures were 11 Medical and Health Sciences and 06 Biological Sciences. See **Section 4** for a detailed breakdown.

APPORTIONED ESTEEM MEASURES BY TYPE



APPORTIONED ESTEEM MEASURES BY TWO-DIGIT FOR CODE



Patents Granted

Eligible patents for ERA 2015 include Australian standard patents and their international equivalents, but not Australian innovation patents. 'Other International' includes all other countries not listed in the table below.

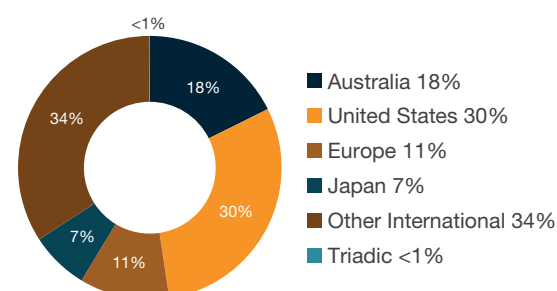
Triadic patents are a series of corresponding patents filed at the European Patent Office (EPO), the United States Patent and Trademark Office (USPTO) and the Japan Patent Office (JPO), for the same invention by the same applicant or inventor. A total of 936 patents were submitted to ERA 2015. Over a third were submitted in the category of 'Other International'. See **Section 4** for a detailed breakdown.

NUMBER OF PATENTS GRANTED BY COUNTRY

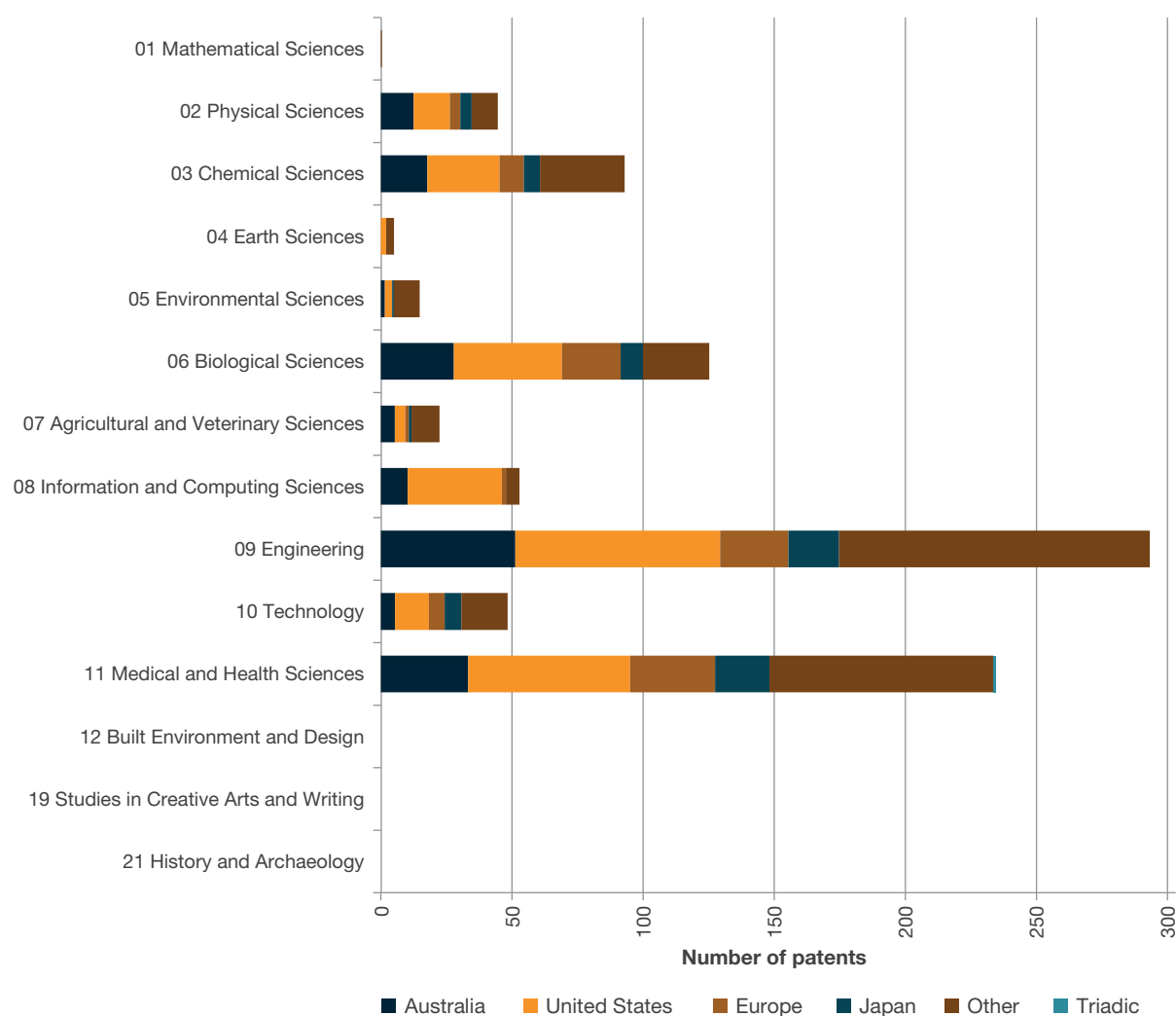
Country or Type	Patents Granted
Australia	165.0
United States	280.0
Europe	103.0
Japan	67.0
Other International	318.0
Triadic	1.0
Total*	936.0

* Note: Triadic patents count as three patents in the Total

PATENTS GRANTED BY COUNTRY (%)



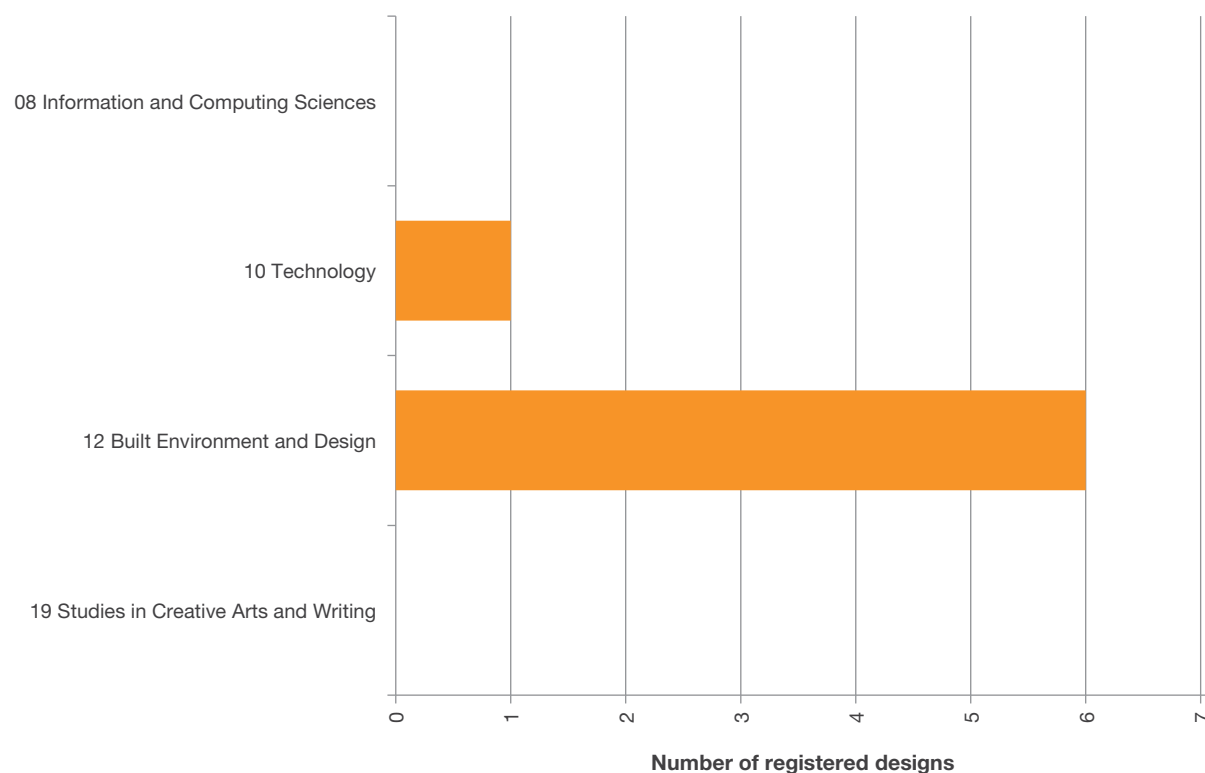
PATENTS GRANTED BY TWO-DIGIT FOR CODE



Registered Designs

Registered designs were required to demonstrate a clear link between the registered design and the related research to be eligible for submission to ERA 2015. Only those registered designs which were certified in Australia were eligible for submission. There were seven registered designs submitted to ERA 2015, six in 12 Built Environment and Design and one in 10 Technology. See **Section 4** for a detailed breakdown.

REGISTERED DESIGNS BY TWO-DIGIT FOR CODE

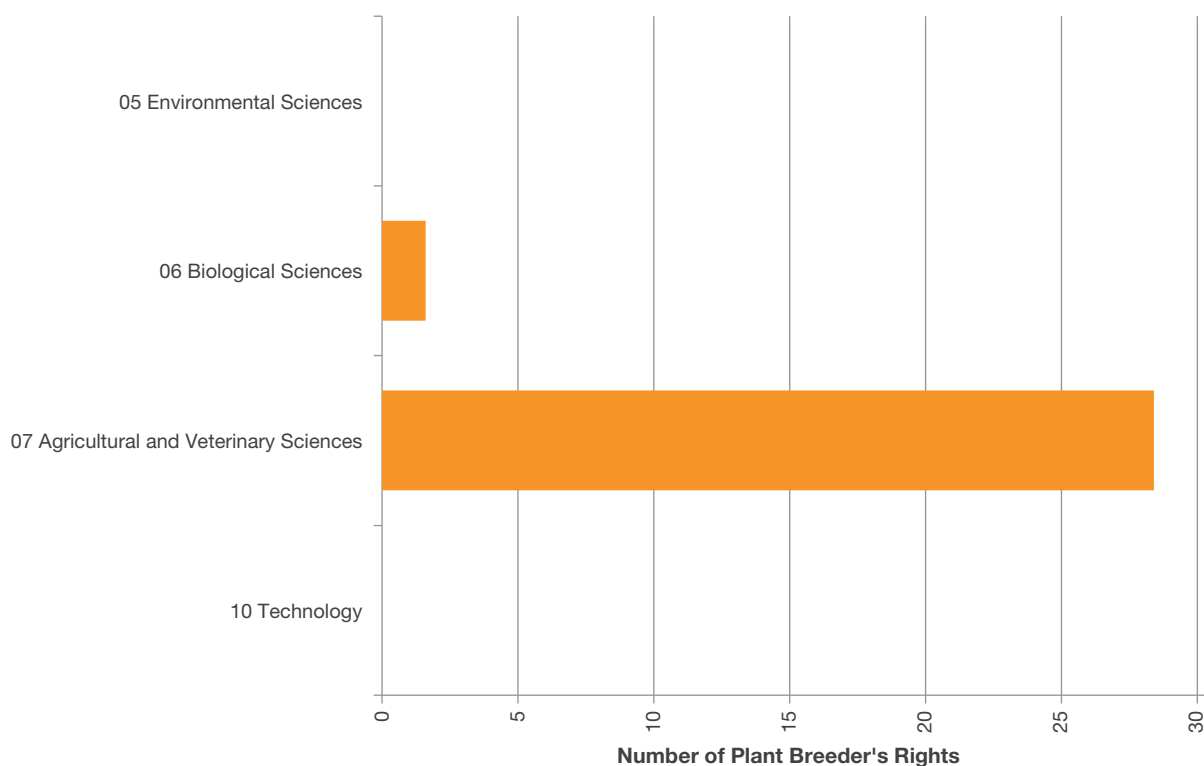


*Note: Two-digit FoR codes that do not use registered designs as an applied measure are not shown in the bar chart. See **Section 4** for a detailed breakdown.*

Plant Breeder's Rights

Eligible Plant Breeder's Rights for ERA 2015 are those granted under the *Plant Breeder's Rights Act 1994* (Cth) or their international equivalents. Provisional protection Plant Breeder's Rights were ineligible for submission. A total of 30 Plant Breeder's Rights were submitted to ERA 2015, 28.4 were apportioned to 07 Agricultural and Veterinary Sciences and 1.6 were apportioned to 06 Biological Sciences. See **Section 4** for a detailed breakdown.

PLANT BREEDER'S RIGHTS BY TWO-DIGIT FOR CODE



Note: Two-digit FoR codes that do not use Plant Breeder's Rights as an applied measure are not shown in the bar chart. See **Section 4** for a detailed breakdown.

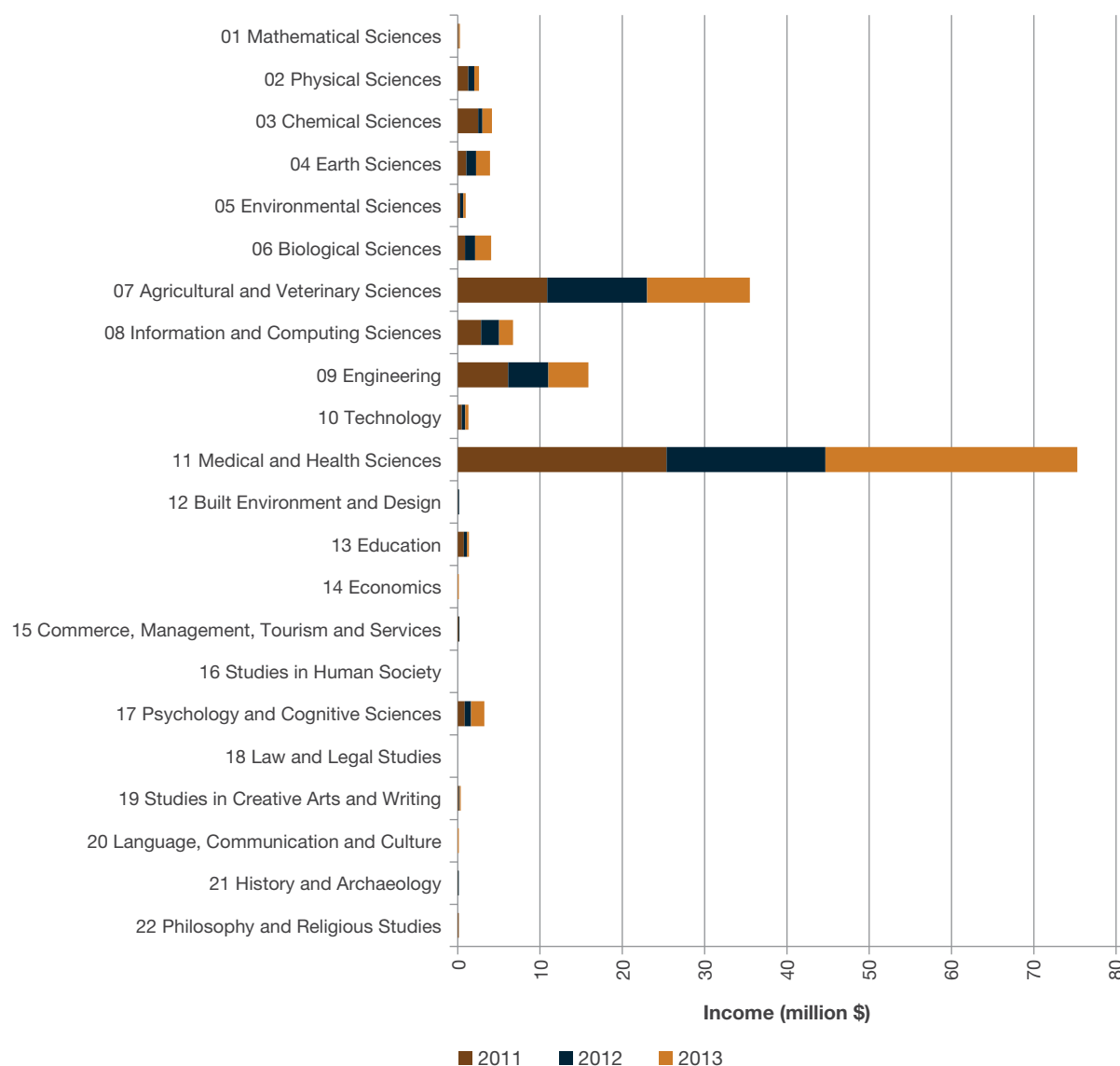
National Health and Medical Research Council (NHMRC) Endorsed Guidelines

NHMRC Endorsed Guidelines include those on population health, clinical practice and ethics. This indicator was applicable to the two-digit and four-digit Medical and Health Sciences FoR codes. A total of 64 NHMRC Endorsed Guidelines were submitted to ERA 2015. See **Section 4** for a detailed breakdown.

Research Commercialisation Income

A total of \$155 million of research commercialisation income was submitted to ERA 2015. The two-digit FoR codes with the largest amount of research commercialisation income were 11 Medical and Health Sciences followed by 07 Agricultural and Veterinary Sciences. See **Section 4** for a detailed breakdown.

RESEARCH COMMERCIALISATION INCOME BY YEAR BY TWO-DIGIT FOR CODE



*Note: Two- and four-digit FoR codes for Law and Legal Studies (18) do not use research commercialisation income as an applied measure nor do some underlying four-digit codes in Medical and Health Sciences (11). See **Section 4** for more detail.*

01 Mathematical Sciences	104
02 Physical Sciences	111
03 Chemical Sciences	118
04 Earth Sciences	126
05 Environmental Sciences	133
06 Biological Sciences	138
07 Agricultural and Veterinary Sciences	146
08 Information and Computing Sciences	154
09 Engineering	162
10 Technology	175
11 Medical and Health Sciences	183



SECTION 3

Results by Fields of Research Code

12 Built Environment and Design	196
13 Education	202
14 Economics	207
15 Commerce, Management, Tourism and Services	212
16 Studies in Human Society	220
17 Psychology and Cognitive Sciences	227
18 Law and Legal Studies	231
19 Studies in Creative Arts and Writing	235
20 Language, Communication and Culture	242
21 History and Archaeology	249
22 Philosophy and Religious Studies	254

Section 3 provides a summary of ERA 2015 results and activity by aggregated four-digit FoR code.

The four-digit codes that sit within each two-digit FoR are listed at the beginning of each discipline in this section.

Comparative information is presented for each discipline at the four-digit level and includes:

- › Fields of Research overview with the aggregated four-digit data for each ERA indicator
- › the distribution table and chart showing the number of UoEs per rating scale score (including the two- and four-digit ratings for that FoR)
- › research outputs submitted by type (chart and table)
- › research income by year—all categories (\$) (chart and table)
- › staffing profile by academic level (chart and table)
- › patent profile (where applicable) (table only)
- › research commercialisation income by year (\$) (chart and table)

Following these summary charts, an overview table for each individual four-digit FoR code is presented as well as doughnut charts showing the distribution of output types and the number of UoEs by rating for that four-digit code.

Notes:

- › Where an indicator does not apply to a particular discipline ‘–’ is shown. A ‘0’ represents that the indicator applies to the discipline, but no data was submitted.
- › Percentages <1 not shown on doughnut charts for research outputs by type.
- › Totals in the doughnut charts may not sum to 100% due to rounding.

01 MATHEMATICAL SCIENCES

Mathematical Sciences is comprised of the following four-digit codes:

- 0101 Pure Mathematics**
- 0102 Applied Mathematics**
- 0103 Numerical and Computational Mathematics**
- 0104 Statistics**
- 0105 Mathematical Physics**
- 0199 Other Mathematical Sciences**

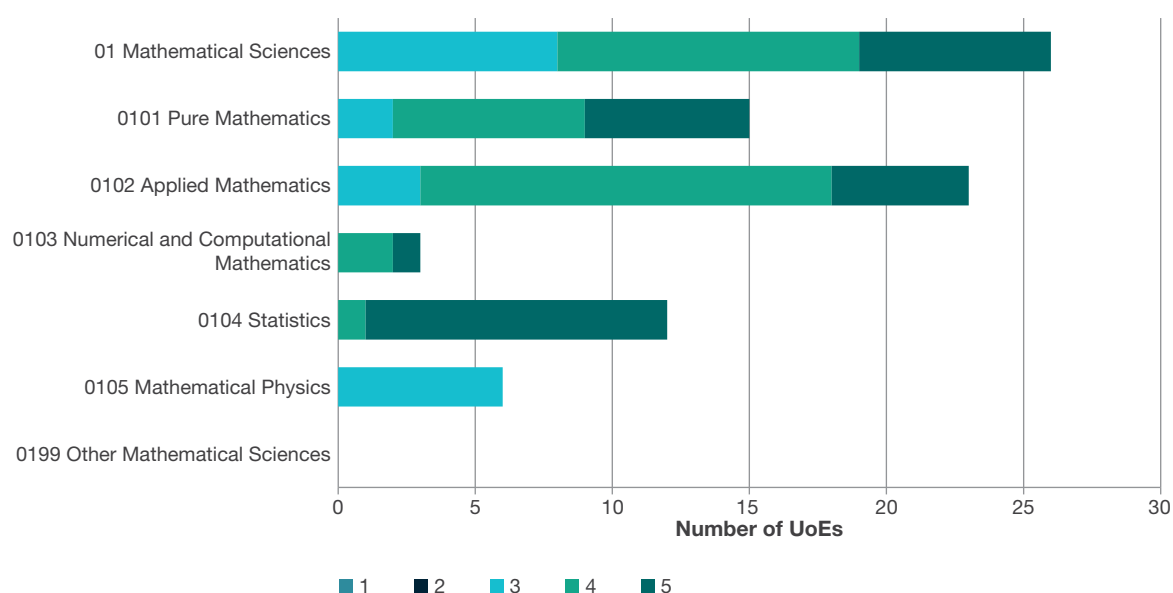
**18 out of 26 two-digit UoEs
and 48 out of 59 four-digit
UoEs assessed were rated
above world standard**

FoR Overview

Mathematical Sciences (01) accounted for approximately two per cent of the research outputs submitted to ERA 2015. The most common research output type in Mathematical Sciences was journal articles. The staffing profile showed similar staffing levels and spread for Pure Mathematics (0101) and Applied Mathematics (0102) for academic levels B–E. These two four-digit codes showed the highest number of research outputs and research income. Research commercialisation income was particularly strong in Applied Mathematics (0102).

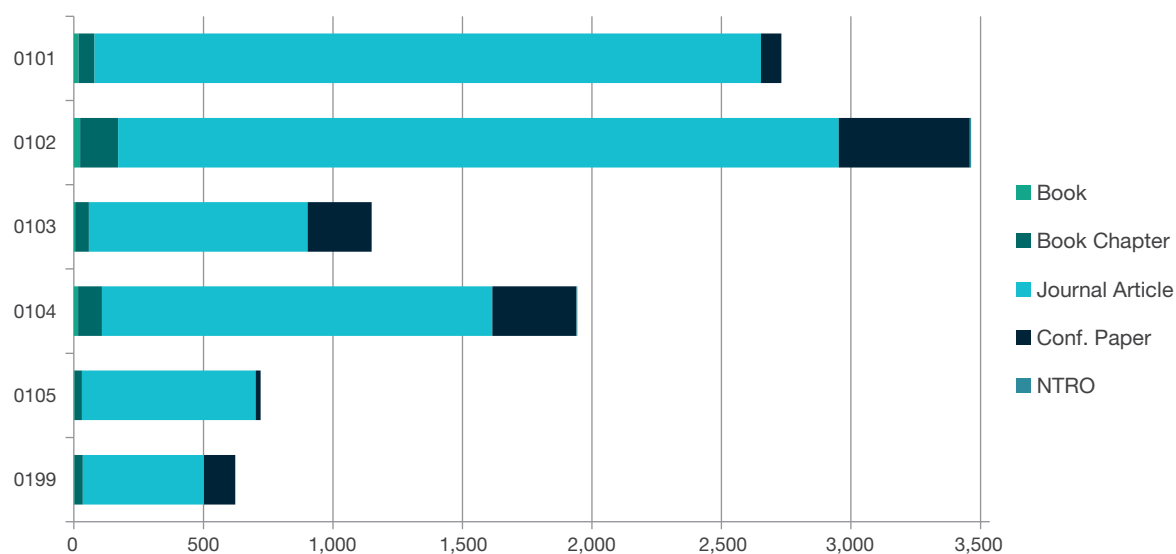
Indicator	No.	Rating	Distribution	
			Two-digit	Four-digit
Research outputs	10,632.6	5	7	23
Research income	\$150,725,932	4	11	25
FTEs	922.6	3	8	11
Esteem count	147.2	2	0	0
Patents	0.2	1	0	0
Research commercialisation income	\$162,956	Total	26	59

NUMBER OF UOES PER RATING SCALE SCORE



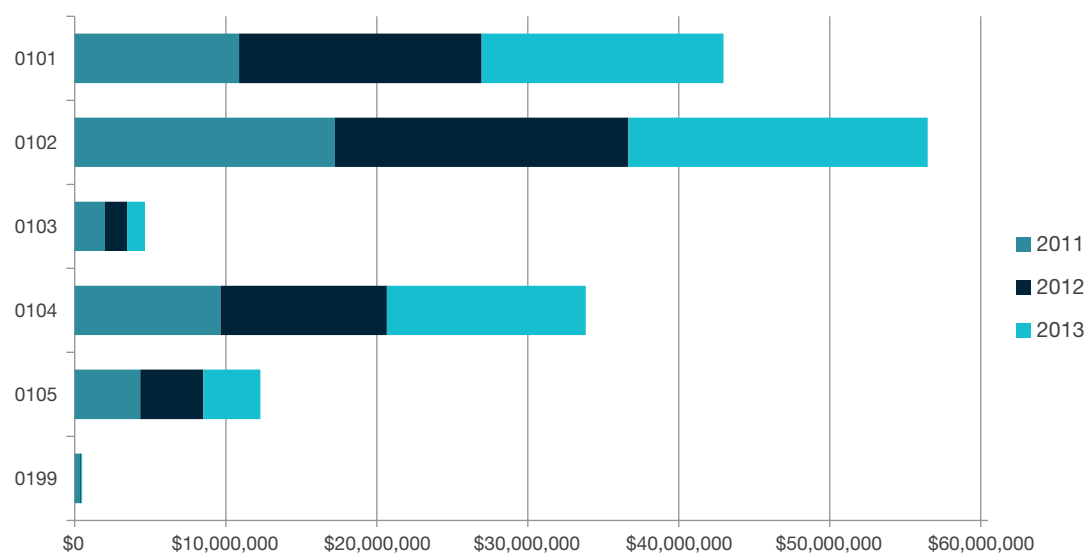
Note: 01 Mathematical Sciences shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
0101 Pure Mathematics	17.7	61.6	2,573.3	78.5	1.0	2,732.0
0102 Applied Mathematics	23.9	146.6	2,782.0	506.3	5.0	3,463.8
0103 Numerical and Computational Mathematics	4.5	52.9	844.8	247.1	0.0	1,149.4
0104 Statistics	16.4	91.6	1,507.5	324.4	3.3	1,943.3
0105 Mathematical Physics	1.8	28.7	670.9	19.0	0.0	720.3
0199 Other Mathematical Sciences	2.0	32.3	467.7	119.8	2.0	623.8
Total	66.3	413.6	8,846.3	1,295.2	11.3	10,632.6

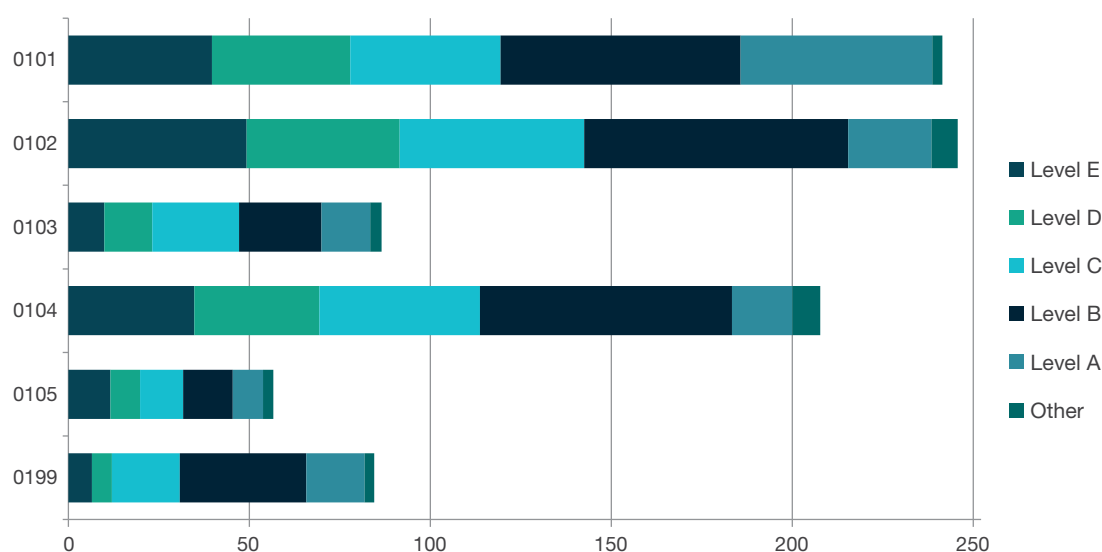
RESEARCH INCOME BY YEAR – ALL CATEGORIES (\$)



Continued

FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0101 Pure Mathematics	10,879,050	16,063,937	16,021,651	42,964,638
0102 Applied Mathematics	17,232,269	19,421,834	19,838,752	56,492,855
0103 Numerical and Computational Mathematics	1,996,702	1,470,959	1,175,071	4,642,731
0104 Statistics	9,649,913	11,019,106	13,165,920	33,834,938
0105 Mathematical Physics	4,342,354	4,168,538	3,786,661	12,297,553
0199 Other Mathematical Sciences	366,382	53,676	73,158	493,216
Total	44,466,669	52,198,050	54,061,213	150,725,932

STAFFING PROFILE BY ACADEMIC LEVEL

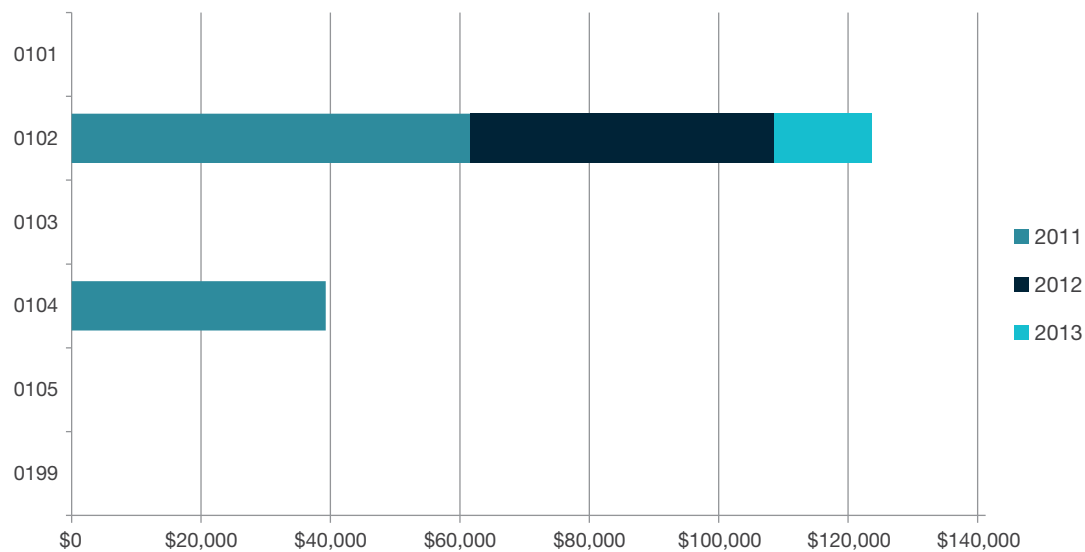


FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
0101 Pure Mathematics	39.7	38.2	41.5	66.4	52.9	2.8	241.5
0102 Applied Mathematics	49.3	42.2	51.0	72.9	23.0	7.2	245.7
0103 Numerical and Computational Mathematics	10.0	13.2	24.0	22.8	13.5	3.1	86.5
0104 Statistics	34.8	34.6	44.3	69.6	16.7	7.8	207.8
0105 Mathematical Physics	11.6	8.2	11.9	13.7	8.4	2.9	56.6
0199 Other Mathematical Sciences	6.5	5.5	18.8	35.0	16.1	2.7	84.5
Total	151.8	142.0	191.5	280.3	130.5	26.4	922.6

PATENT PROFILE

FoR code	Australia	USA	Europe	Japan	Other International	Triadic	Total
0101 Pure Mathematics	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0102 Applied Mathematics	0.0	0.0	0.0	0.0	0.2	0.0	0.2
0103 Numerical and Computational Mathematics	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0104 Statistics	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0105 Mathematical Physics	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0199 Other Mathematical Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.0	0.0	0.0	0.2	0.0	0.2

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)



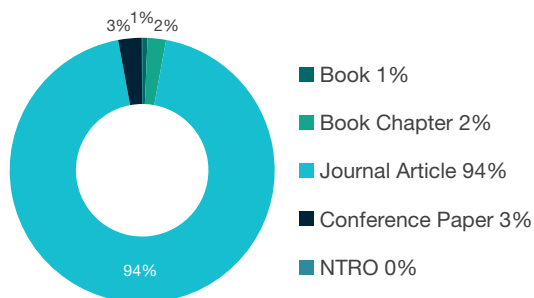
FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0101 Pure Mathematics	0	0	0	0
0102 Applied Mathematics	61,674	47,025	14,980	123,679
0103 Numerical and Computational Mathematics	0	0	0	0
0104 Statistics	39,278	0	0	39,278
0105 Mathematical Physics	0	0	0	0
0199 Other Mathematical Sciences	0	0	0	0
Total	100,952	47,025	14,980	162,956

0101 Pure Mathematics

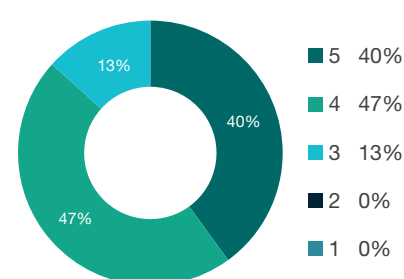
Indicator	No.
Research outputs	2,732.0
Research income	\$42,964,638
FTEs	241.5
Esteem count	67.2
Patents	0.0
Research commercialisation income	\$0

Rating	Distribution
5	6
4	7
3	2
2	0
1	0
Total	15

RESEARCH OUTPUTS BY TYPE



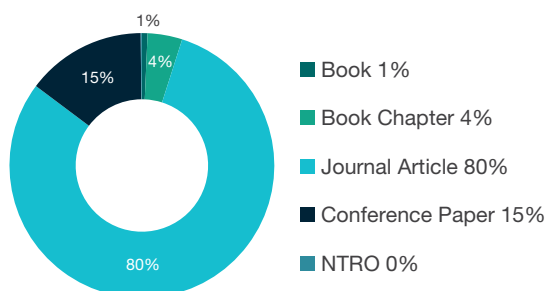
FOR RATING DISTRIBUTION



0102 Applied Mathematics

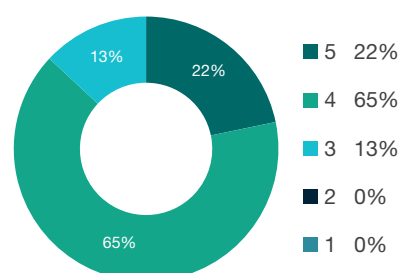
Indicator	No.
Research outputs	3,463.8
Research income	\$56,492,855
FTEs	245.7
Esteem count	38.0
Patents	0.2
Research commercialisation income	\$123,679

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	5
4	15
3	3
2	0
1	0
Total	23

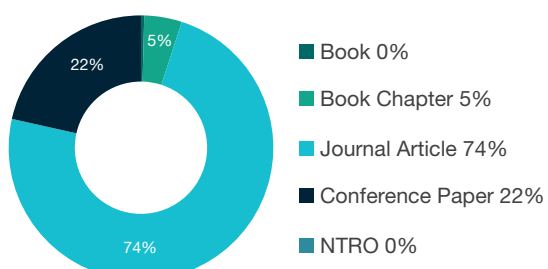
FOR RATING DISTRIBUTION



0103 Numerical and Computational Mathematics

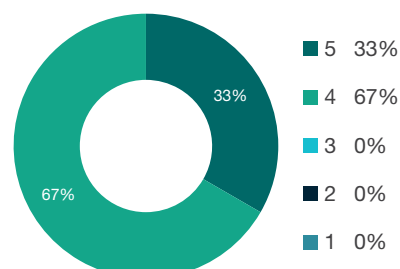
Indicator	No.
Research outputs	1,149.4
Research income	\$4,642,731
FTEs	86.5
Esteem count	5.8
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	2
3	0
2	0
1	0
Total	3

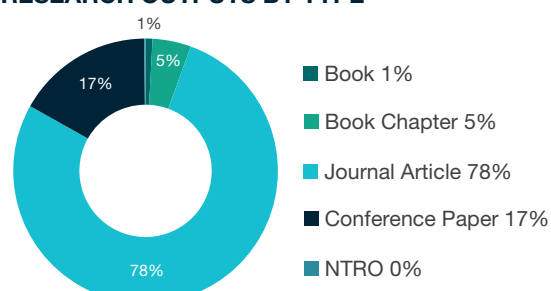
FOR RATING DISTRIBUTION



0104 Statistics

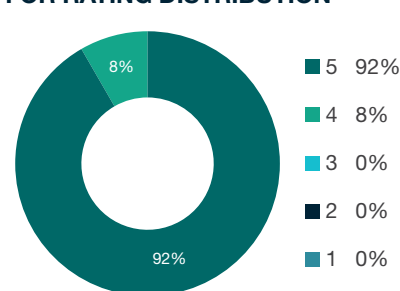
Indicator	No.
Research outputs	1,943.3
Research income	\$33,834,938
FTEs	207.8
Esteem count	20.2
Patents	0.0
Research commercialisation income	\$39,278

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	11
4	1
3	0
2	0
1	0
Total	12

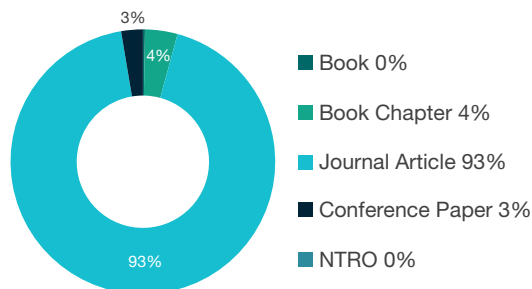
FOR RATING DISTRIBUTION



0105 Mathematical Physics

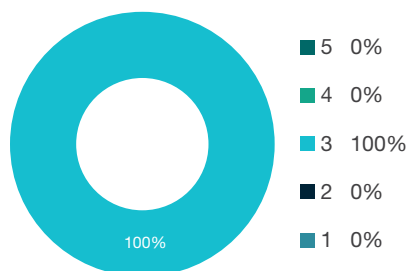
Indicator	No.
Research outputs	720.3
Research income	\$12,297,553
FTEs	56.6
Esteem count	15.1
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	6
2	0
1	0
Total	6

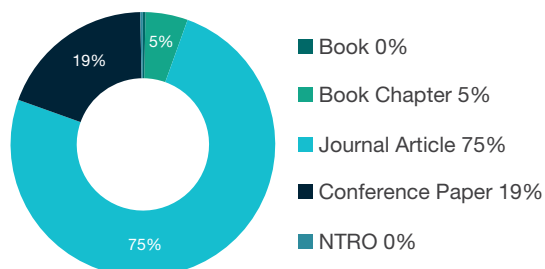
FOR RATING DISTRIBUTION



0199 Other Mathematical Sciences

Indicator	No.
Research outputs	623.8
Research income	\$493,216
FTEs	84.5
Esteem count	1.0
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 0199.

02 PHYSICAL SCIENCES

Physical Sciences is comprised of the following four-digit codes:

0201 Astronomical and Space Sciences

0202 Atomic, Molecular, Nuclear, Particle and Plasma Physics

0203 Classical Physics

0204 Condensed Matter Physics

0205 Optical Physics

0206 Quantum Physics

0299 Other Physical Sciences

**15 out of 23
two-digit UoEs and
60 out of 65
four-digit UoEs
assessed were
rated above
world standard**

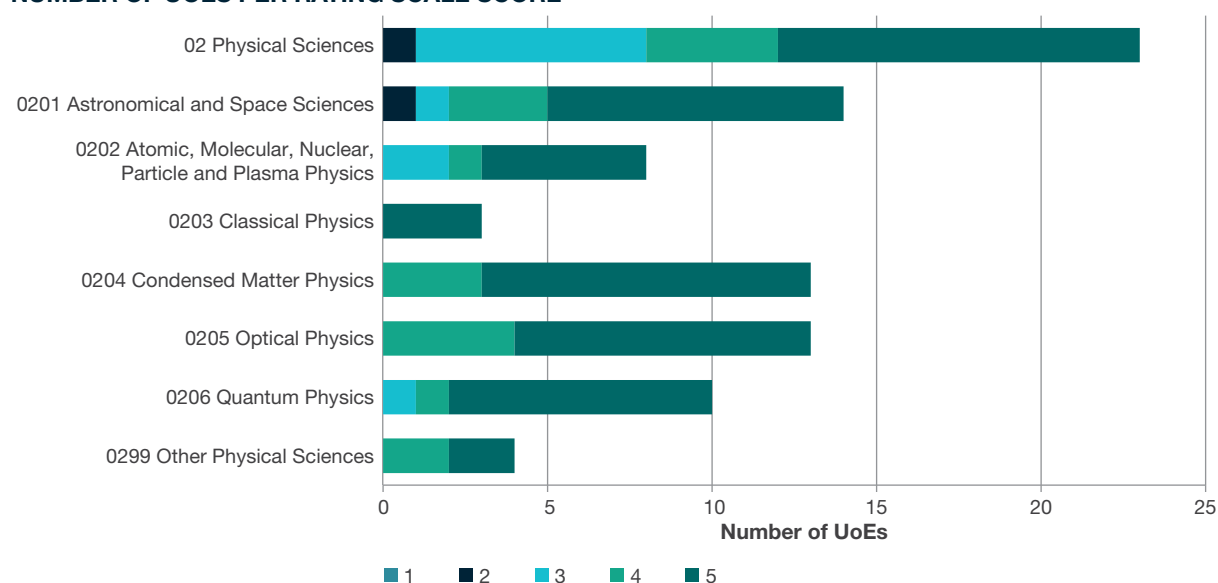
FoR Overview

Physical Sciences (02) accounted for approximately four per cent of the research outputs submitted to ERA 2015.

The majority of Physical Sciences outputs were journal articles (84 per cent), while 15 per cent of the research outputs were conference papers. Astronomical and Space Sciences (0201) had the highest number of research outputs, research income levels, number of staff, and research commercialisation income. Optical Physics (0205) was the next highest four-digit code for these indicators, and in addition, almost half of the patents submitted in Physical Sciences were assigned to Optical Physics (0205).

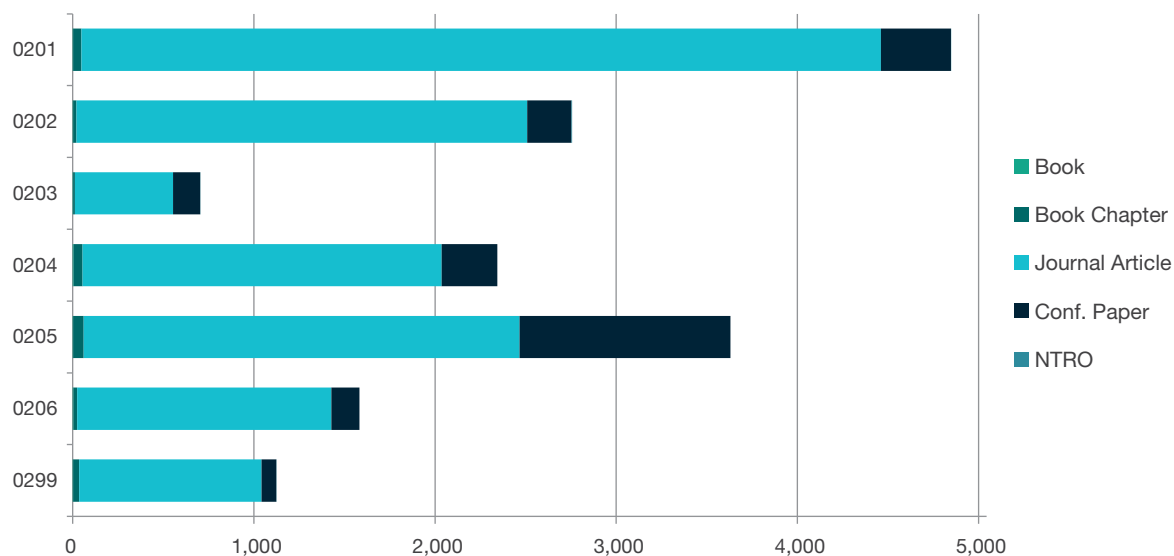
Indicator	No.	Rating	Distribution	
			Two-digit	Four-digit
Research outputs	16,990.8	5	11	46
Research income	\$354,091,710	4	4	14
FTEs	1,148.8	3	7	4
Esteem count	243.9	2	1	1
Patents	44.6	1	0	0
Research commercialisation income	\$2,593,697	Total	23	65

NUMBER OF UOES PER RATING SCALE SCORE



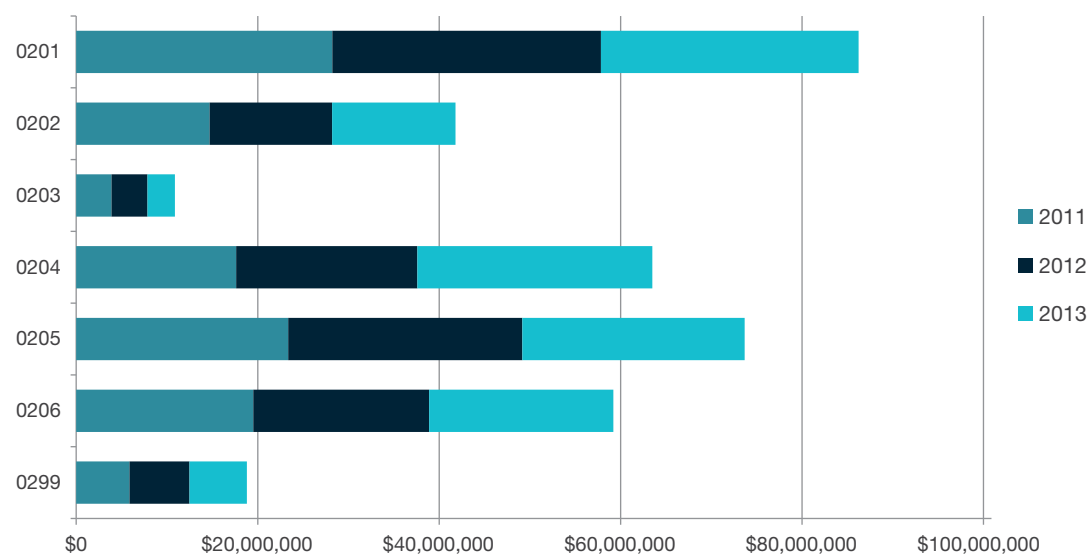
Note: 02 Physical Sciences shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



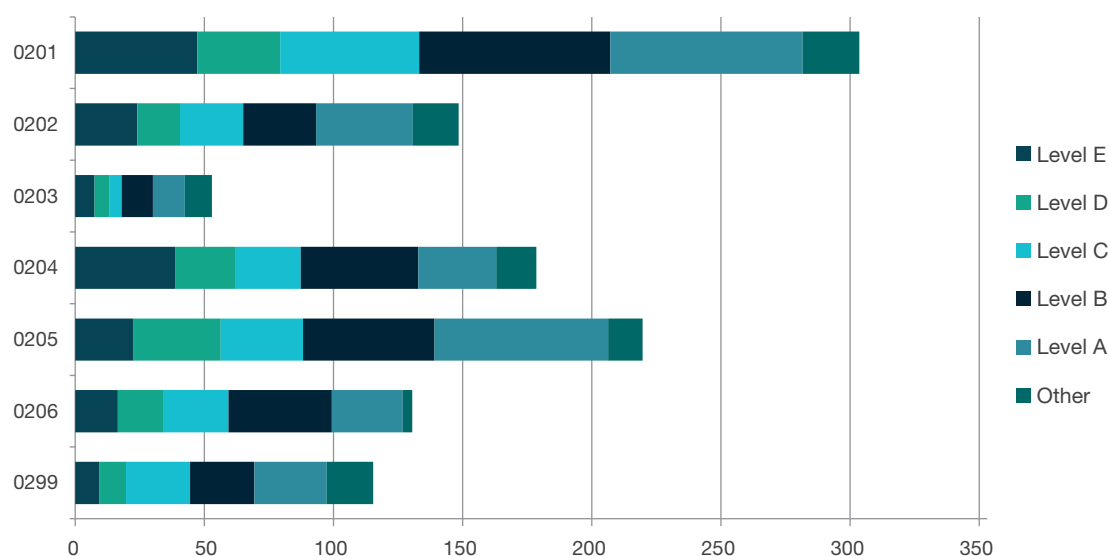
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
0201 Astronomical and Space Sciences	2.3	44.9	4,413.6	387.3	1.0	4,849.1
0202 Atomic, Molecular, Nuclear, Particle and Plasma Physics	2.5	17.6	2,488.3	243.9	4.0	2,756.4
0203 Classical Physics	2.0	10.3	540.8	150.1	1.0	704.2
0204 Condensed Matter Physics	4.5	49.8	1,982.2	306.9	0.0	2,343.4
0205 Optical Physics	2.2	57.9	2,406.6	1,163.6	0.0	3,630.3
0206 Quantum Physics	3.4	21.0	1,403.7	154.0	0.0	1,582.0
0299 Other Physical Sciences	2.3	33.0	1,007.4	81.8	1.0	1,125.4
Total	19.2	234.4	14,242.6	2,487.6	7.0	16,990.8

RESEARCH INCOME BY YEAR-ALL CATEGORIES (\$)



FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0201 Astronomical and Space Sciences	28,217,940	29,612,560	28,396,820	86,227,319
0202 Atomic, Molecular, Nuclear, Particle and Plasma Physics	14,697,295	13,503,247	13,592,588	41,793,129
0203 Classical Physics	3,883,590	3,977,099	3,020,368	10,881,057
0204 Condensed Matter Physics	17,630,495	19,974,680	25,895,499	63,500,674
0205 Optical Physics	23,357,147	25,803,275	24,505,585	73,666,007
0206 Quantum Physics	19,516,724	19,374,514	20,318,763	59,210,001
0299 Other Physical Sciences	5,866,610	6,619,185	6,327,727	18,813,523
Total	113,169,800	118,864,560	122,057,349	354,091,710

STAFFING PROFILE BY ACADEMIC LEVEL

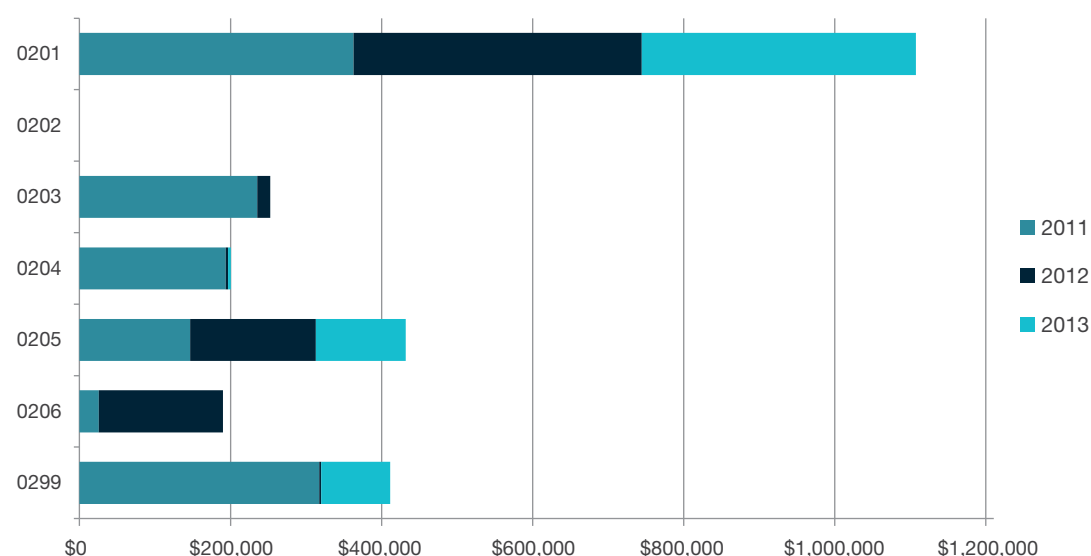


FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
0201 Astronomical and Space Sciences	47.3	32.0	53.8	73.9	74.5	22.0	303.6
0202 Atomic, Molecular, Nuclear, Particle and Plasma Physics	24.0	16.6	24.4	28.2	37.4	17.8	148.4
0203 Classical Physics	7.4	5.9	4.6	12.1	12.4	10.5	52.9
0204 Condensed Matter Physics	38.9	23.0	25.5	45.5	30.1	15.6	178.5
0205 Optical Physics	22.6	33.7	31.9	50.9	67.3	13.3	219.6
0206 Quantum Physics	16.4	17.5	25.3	40.0	27.5	3.6	130.4
0299 Other Physical Sciences	9.4	10.2	24.8	24.9	27.9	18.0	115.3
Total	166.0	138.8	190.4	275.6	277.2	100.8	1,148.8

PATENT PROFILE

FoR code	Australia	USA	Europe	Japan	Other International	Triadic	Total
0201 Astronomical and Space Sciences	0.0	0.0	0.0	0.0	1.0	0.0	1.0
0202 Atomic, Molecular, Nuclear, Particle and Plasma Physics	1.3	1.5	0.5	1.3	0.8	0.0	5.5
0203 Classical Physics	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0204 Condensed Matter Physics	1.2	1.7	2.5	1.0	0.5	0.0	6.8
0205 Optical Physics	8.0	6.0	1.0	1.6	4.3	0.0	20.9
0206 Quantum Physics	1.3	1.0	0.0	0.3	0.3	0.0	3.0
0299 Other Physical Sciences	0.7	3.7	0.0	0.0	3.0	0.0	7.4
Total	12.5	13.8	4.0	4.3	10.0	0.0	44.6

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)



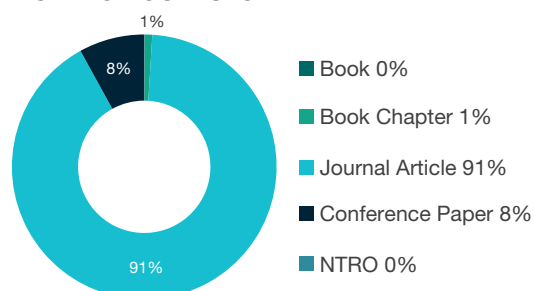
FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0201 Astronomical and Space Sciences	362,927	381,467	363,002	1,107,396
0202 Atomic, Molecular, Nuclear, Particle and Plasma Physics	0	0	0	0
0203 Classical Physics	235,414	17,057	0	252,472
0204 Condensed Matter Physics	193,594	3,289	3,524	200,406
0205 Optical Physics	146,606	166,316	119,059	431,981
0206 Quantum Physics	25,656	164,415	0	190,071
0299 Other Physical Sciences	317,338	2,661	91,372	411,371
Total	1,281,535	735,205	576,957	2,593,697

0201 Astronomical and Space Sciences

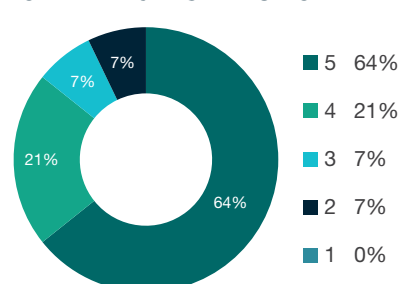
Indicator	No.
Research outputs	4,849.1
Research income	\$86,227,319
FTEs	303.6
Esteem count	59.4
Patents	1.0
Research commercialisation income	\$1,107,396

Rating	Distribution
5	9
4	3
3	1
2	1
1	0
Total	14

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION

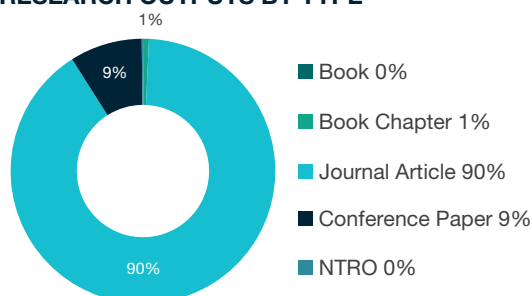


0202 Atomic, Molecular, Nuclear, Particle and Plasma Physics

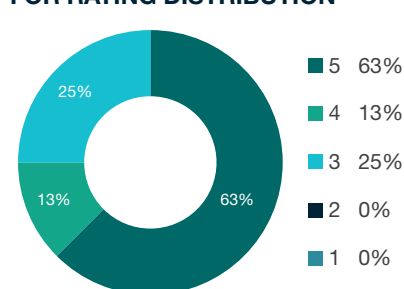
Indicator	No.
Research outputs	2,756.4
Research income	\$41,793,129
FTEs	148.4
Esteem count	32.2
Patents	5.5
Research commercialisation income	\$0

Rating	Distribution
5	5
4	1
3	2
2	0
1	0
Total	8

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION

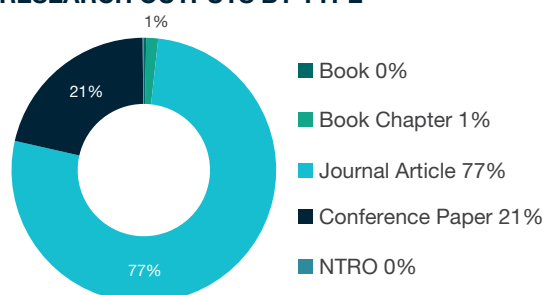


0203 Classical Physics

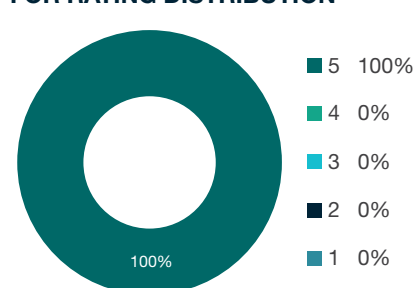
Indicator	No.
Research outputs	704.2
Research income	\$10,881,057
FTEs	52.9
Esteem count	7.5
Patents	0.0
Research commercialisation income	\$252,472

Rating	Distribution
5	3
4	0
3	0
2	0
1	0
Total	3

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION

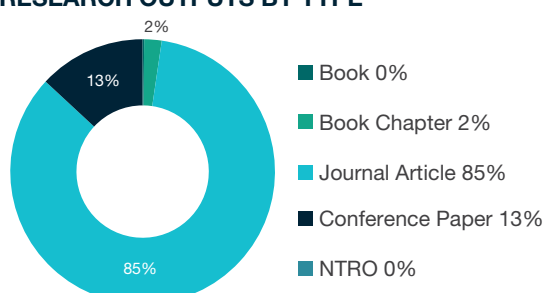


0204 Condensed Matter Physics

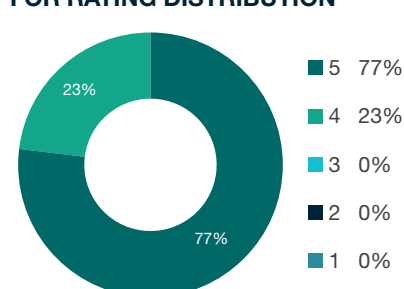
Indicator	No.
Research outputs	2,343.4
Research income	\$63,500,674
FTEs	178.5
Esteem count	47.0
Patents	6.8
Research commercialisation income	\$200,406

Rating	Distribution
5	10
4	3
3	0
2	0
1	0
Total	13

RESEARCH OUTPUTS BY TYPE



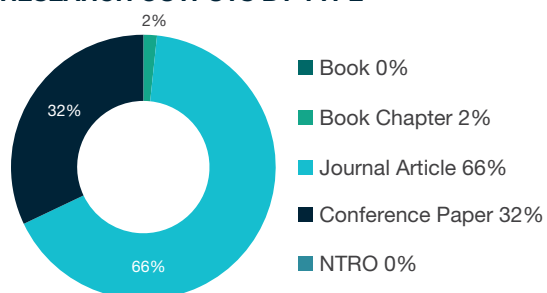
FOR RATING DISTRIBUTION



0205 Optical Physics

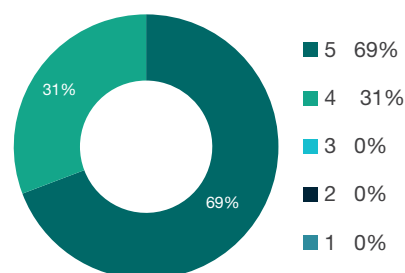
Indicator	No.
Research outputs	3,630.3
Research income	\$73,666,007
FTEs	219.6
Esteem count	54.1
Patents	20.9
Research commercialisation income	\$431,981

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	9
4	4
3	0
2	0
1	0
Total	13

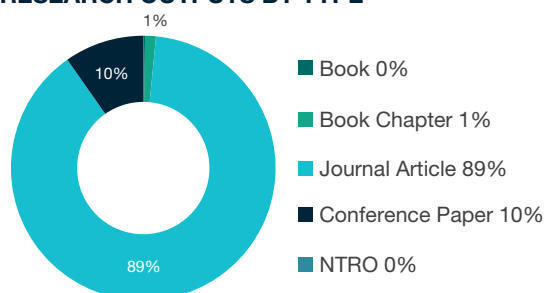
FOR RATING DISTRIBUTION



0206 Quantum Physics

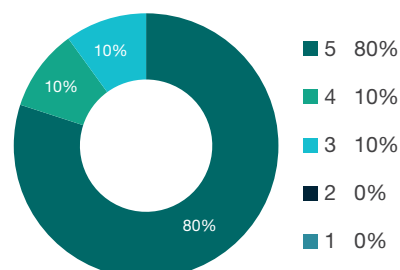
Indicator	No.
Research outputs	1,582.0
Research income	\$59,210,001
FTEs	130.4
Esteem count	39.3
Patents	3.0
Research commercialisation income	\$190,071

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	8
4	1
3	1
2	0
1	0
Total	10

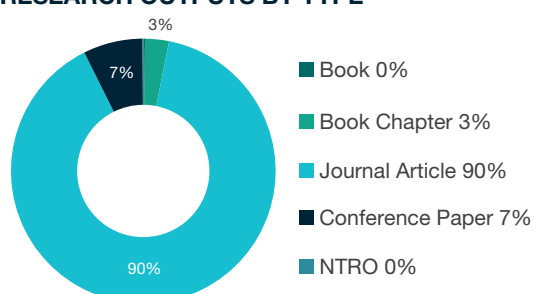
FOR RATING DISTRIBUTION



0299 Other Physical Sciences

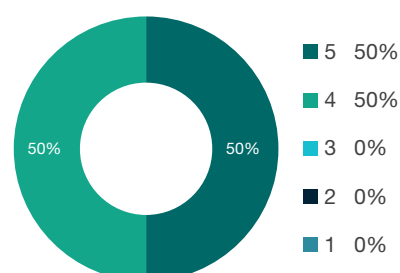
Indicator	No.
Research outputs	1,125.4
Research income	\$18,813,523
FTEs	115.3
Esteem count	4.3
Patents	7.4
Research commercialisation income	\$411,371

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	2
3	0
2	0
1	0
Total	4

FOR RATING DISTRIBUTION



03 CHEMICAL SCIENCES

Chemical Sciences is comprised of the following four-digit codes:

0301 Analytical Chemistry

0302 Inorganic Chemistry

0303 Macromolecular and Materials Chemistry

0304 Medicinal and Biomolecular Chemistry

0305 Organic Chemistry

0306 Physical Chemistry (Incl. Structural)

0307 Theoretical and Computational Chemistry

0399 Other Chemical Sciences

19 out of 26 two-digit UoEs and 79 out of 94 four-digit UoEs assessed were rated above world standard

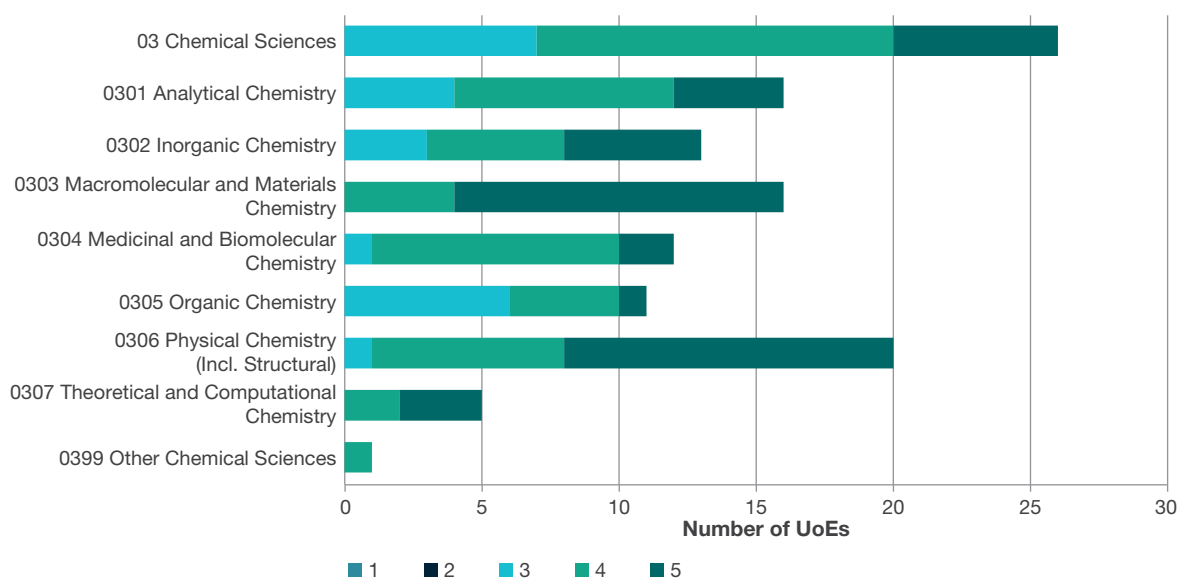
FoR Overview

Chemical Sciences (03) accounted for approximately four per cent of research outputs submitted to ERA 2015. Journal articles were the predominant research output type. Almost 10 per cent of the patents submitted to ERA 2015 were assigned to the Chemical Sciences. Medicinal and Biomolecular Chemistry (0304) and Physical Chemistry (Incl. Structural) (0306) showed the highest staffing levels and research income. Theoretical and Computational Chemistry (0307) contributed the most research commercialisation income.

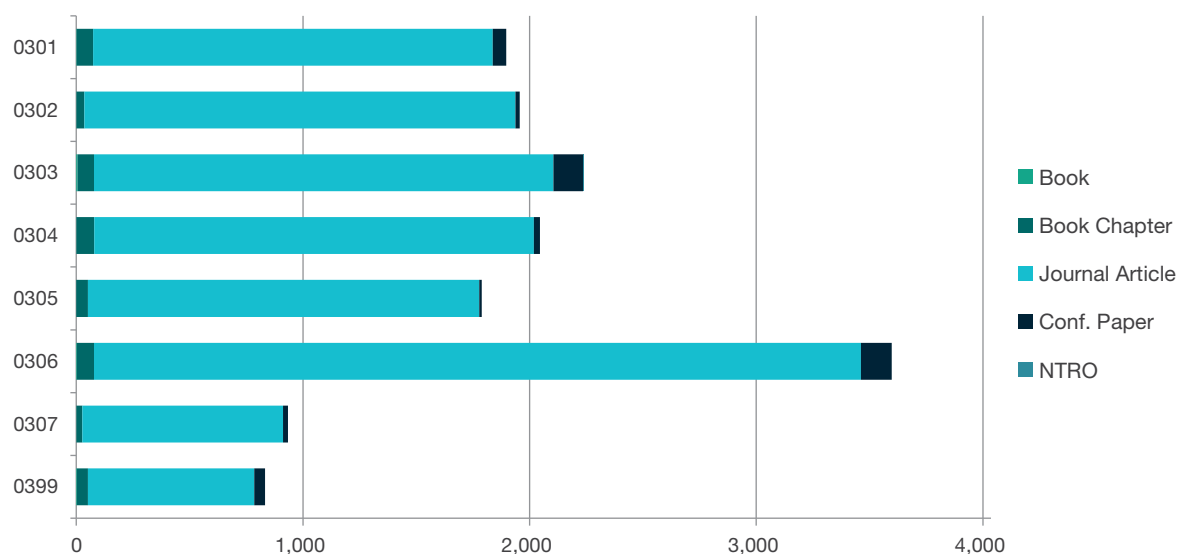
Indicator	No.
Research outputs	15,288.8
Research income	\$335,252,137
FTEs	1,333.9
Esteem count	209.5
Patents	92.9
Research commercialisation income	\$4,158,444

Rating	Distribution	
	Two-digit	Four-digit
5	6	39
4	13	40
3	7	15
2	0	0
1	0	0
Total	26	94

NUMBER OF UOES PER RATING SCALE SCORE

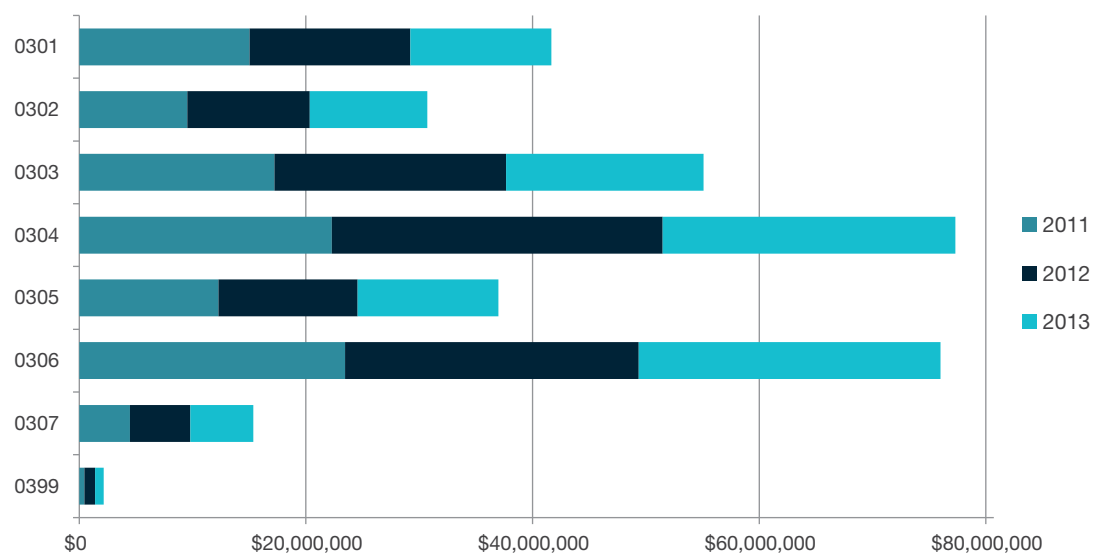


RESEARCH OUTPUTS SUBMITTED BY TYPE



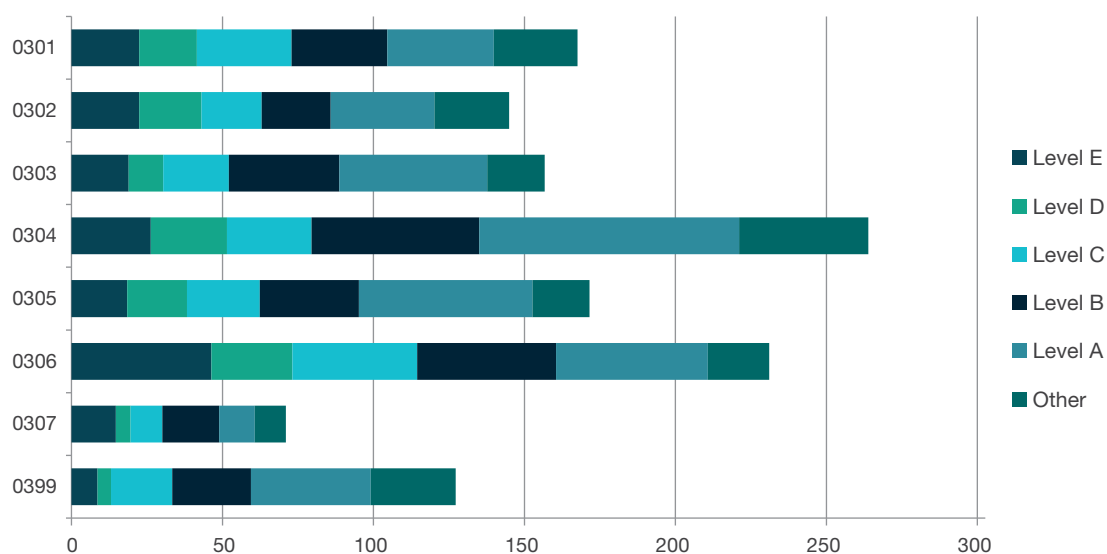
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
0301 Analytical Chemistry	2.0	71.6	1,763.4	60.4	0.0	1,897.3
0302 Inorganic Chemistry	1.0	34.4	1,901.8	19.0	0.0	1,956.2
0303 Macromolecular and Materials Chemistry	5.6	72.2	2,027.0	131.3	0.5	2,236.5
0304 Medicinal and Biomolecular Chemistry	1.0	77.5	1,940.2	27.1	0.0	2,045.9
0305 Organic Chemistry	0.0	51.0	1,726.4	11.5	0.0	1,788.9
0306 Physical Chemistry (Incl. Structural)	2.5	75.3	3,384.1	135.5	0.0	3,597.4
0307 Theoretical and Computational Chemistry	1.0	25.5	885.8	21.8	0.0	934.1
0399 Other Chemical Sciences	3.0	48.3	733.8	47.5	0.0	832.6
Total	16.1	455.7	14,362.5	454.1	0.5	15,288.8

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)



FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0301 Analytical Chemistry	15,031,114	14,185,840	12,436,886	41,653,841
0302 Inorganic Chemistry	9,545,438	10,794,724	10,370,406	30,710,568
0303 Macromolecular and Materials Chemistry	17,222,517	20,444,515	17,409,894	55,076,926
0304 Medicinal and Biomolecular Chemistry	22,281,634	29,196,075	25,832,156	77,309,865
0305 Organic Chemistry	12,283,906	12,279,874	12,423,681	36,987,461
0306 Physical Chemistry (Incl. Structural)	23,449,160	25,928,450	26,610,928	75,988,538
0307 Theoretical and Computational Chemistry	4,482,523	5,324,966	5,554,250	15,361,739
0399 Other Chemical Sciences	464,371	924,176	774,652	2,163,199
Total	104,760,664	119,078,619	111,412,854	335,252,137

STAFFING PROFILE BY ACADEMIC LEVEL



FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
0301 Analytical Chemistry	22.4	19.1	31.4	31.7	35.2	27.8	167.6
0302 Inorganic Chemistry	22.4	20.6	20.0	22.8	34.3	24.7	144.9
0303 Macromolecular and Materials Chemistry	18.9	11.5	21.7	36.6	49.0	19.1	156.7
0304 Medicinal and Biomolecular Chemistry	26.3	25.2	28.0	55.6	86.0	42.8	263.9
0305 Organic Chemistry	18.4	19.8	24.1	32.9	57.4	18.9	171.6
0306 Physical Chemistry (Incl. Structural)	46.3	26.8	41.3	46.0	50.3	20.3	231.1
0307 Theoretical and Computational Chemistry	14.6	4.9	10.5	18.8	11.8	10.3	71.0
0399 Other Chemical Sciences	8.6	4.5	20.2	26.0	39.7	28.2	127.2
Total	177.9	132.5	197.2	270.3	363.8	192.1	1,333.9

PATENT PROFILE

FoR code	Australia	USA	Europe	Japan	Other International	Triadic	Total
0301 Analytical Chemistry	3.0	4.7	0.0	0.4	1.0	0.0	9.1
0302 Inorganic Chemistry	0.0	1.0	0.0	0.0	0.0	0.0	1.0
0303 Macromolecular and Materials Chemistry	3.4	8.1	2.9	2.0	16.5	0.0	32.9
0304 Medicinal and Biomolecular Chemistry	3.3	6.0	2.5	2.0	5.5	0.0	19.3
0305 Organic Chemistry	1.7	2.7	1.5	0.0	1.0	0.0	6.9
0306 Physical Chemistry (Incl. Structural)	6.3	4.6	2.3	1.8	8.2	0.0	23.3
0307 Theoretical and Computational Chemistry	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0399 Other Chemical Sciences	0.0	0.5	0.0	0.0	0.0	0.0	0.5
Total	17.7	27.5	9.2	6.2	32.2	0.0	92.9

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)



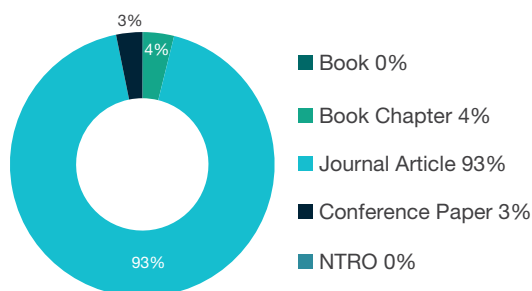
FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0301 Analytical Chemistry	156,455	67,406	2,814	226,674
0302 Inorganic Chemistry	394,966	0	0	394,966
0303 Macromolecular and Materials Chemistry	0	0	0	0
0304 Medicinal and Biomolecular Chemistry	539,827	208,730	238,550	987,107
0305 Organic Chemistry	0	5,042	0	5,042
0306 Physical Chemistry (Incl. Structural)	889,011	157,804	114,392	1,161,207
0307 Theoretical and Computational Chemistry	511,865	65,920	805,662	1,383,448
0399 Other Chemical Sciences	0	0	0	0
Total	2,492,124	504,903	1,161,417	4,158,444

0301 Analytical Chemistry

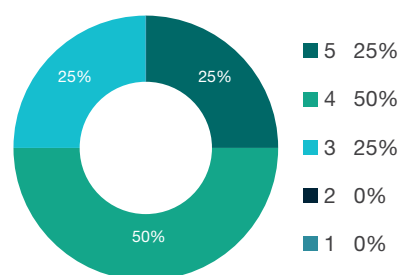
Indicator	No.
Research outputs	1,897.3
Research income	\$41,653,841
FTEs	167.6
Esteem count	16.0
Patents	9.1
Research commercialisation income	\$226,674

Rating	Distribution
5	4
4	8
3	4
2	0
1	0
Total	16

RESEARCH OUTPUTS BY TYPE



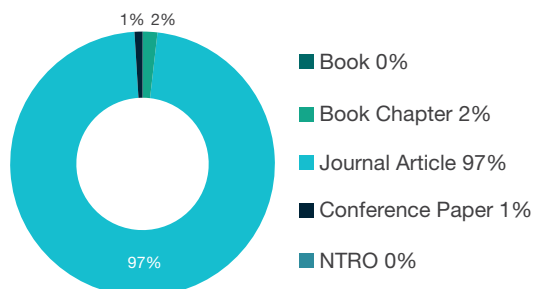
FOR RATING DISTRIBUTION



0302 Inorganic Chemistry

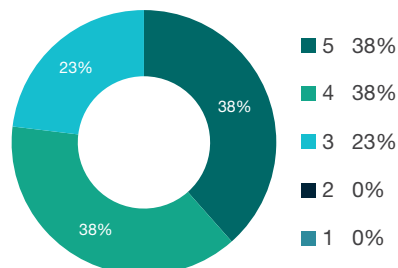
Indicator	No.
Research outputs	1,956.2
Research income	\$30,710,568
FTEs	144.9
Esteem count	28.9
Patents	1.0
Research commercialisation income	\$394,966

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	5
4	5
3	3
2	0
1	0
Total	13

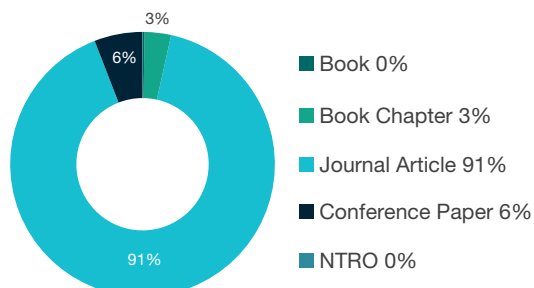
FOR RATING DISTRIBUTION



0303 Macromolecular and Materials Chemistry

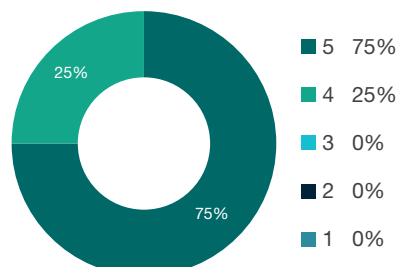
Indicator	No.
Research outputs	2,236.5
Research income	\$55,076,926
FTEs	156.7
Esteem count	44.9
Patents	32.9
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	12
4	4
3	0
2	0
1	0
Total	16

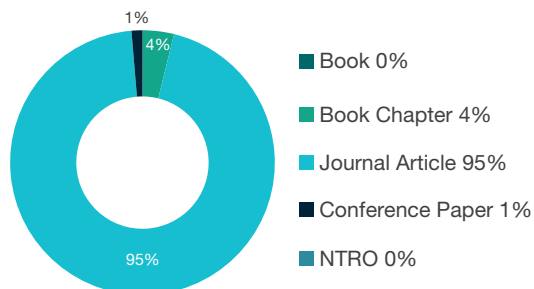
FOR RATING DISTRIBUTION



0304 Medicinal and Biomolecular Chemistry

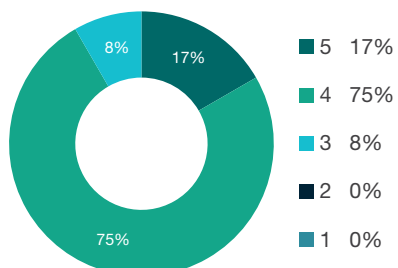
Indicator	No.
Research outputs	2,045.9
Research income	\$77,309,865
FTEs	263.9
Esteem count	38.5
Patents	19.3
Research commercialisation income	\$987,107

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	9
3	1
2	0
1	0
Total	12

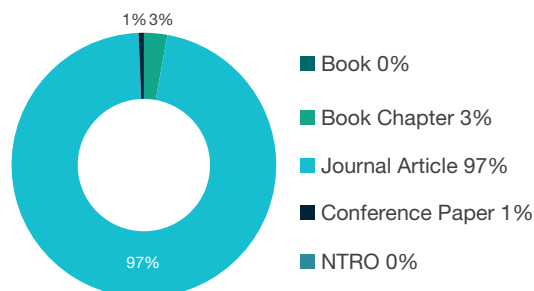
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0305 Organic Chemistry

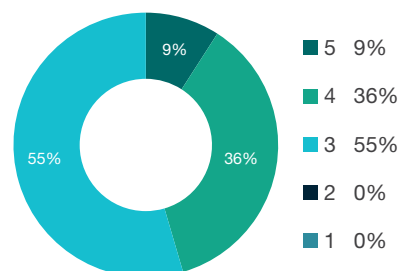
Indicator	No.
Research outputs	1,788.9
Research income	\$36,987,461
FTEs	171.6
Esteem count	18.8
Patents	6.9
Research commercialisation income	\$5,042

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	4
3	6
2	0
1	0
Total	11

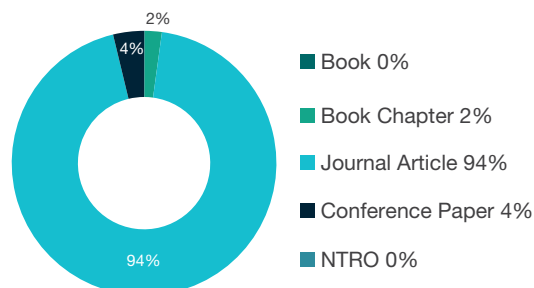
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0306 Physical Chemistry (Incl. Structural)

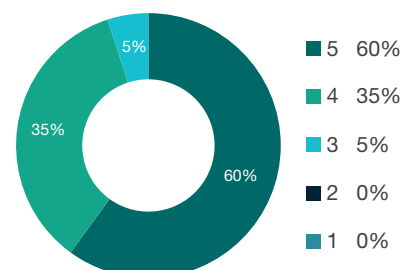
Indicator	No.
Research outputs	3,597.4
Research income	\$75,988,538
FTEs	231.1
Esteem count	47.6
Patents	23.3
Research commercialisation income	\$1,161,207

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	12
4	7
3	1
2	0
1	0
Total	20

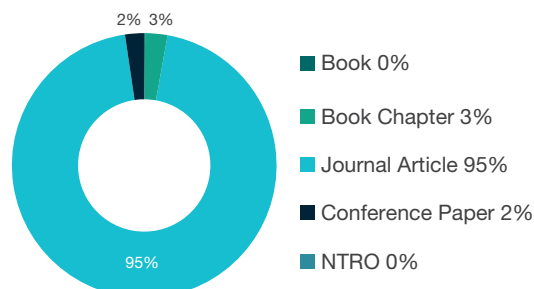
FOR RATING DISTRIBUTION



0307 Theoretical and Computational Chemistry

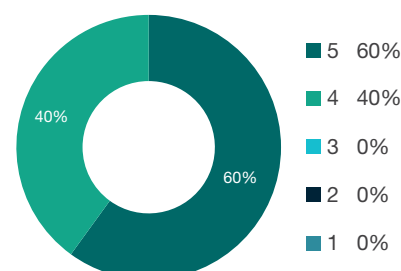
Indicator	No.
Research outputs	934.1
Research income	\$15,361,739
FTEs	71.0
Esteem count	13.0
Patents	0.0
Research commercialisation income	\$1,383,448

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	3
4	2
3	0
2	0
1	0
Total	5

FOR RATING DISTRIBUTION

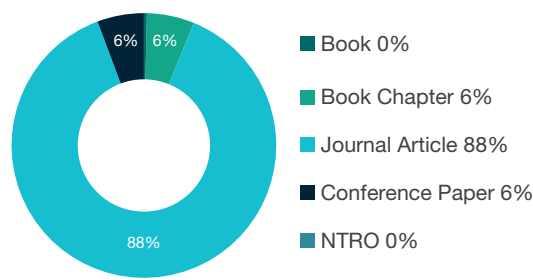


0399 Other Chemical Sciences

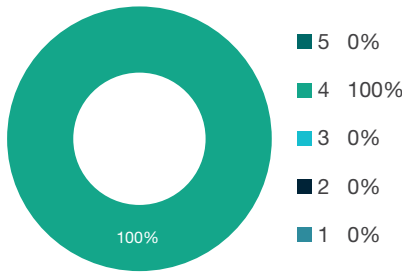
Indicator	No.
Research outputs	832.6
Research income	\$2,163,199
FTEs	127.2
Esteem count	1.9
Patents	0.5
Research commercialisation income	\$0

Rating	Distribution
5	0
4	1
3	0
2	0
1	0
Total	1

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION



04 EARTH SCIENCES

Earth Sciences is comprised of the following four-digit codes:

0401 Atmospheric Sciences

0402 Geochemistry

0403 Geology

0404 Geophysics

0405 Oceanography

0406 Physical Geography and Environmental Geoscience

0499 Other Earth Sciences

15 out of 20 two-digit
UoEs and 54 out of 62
four-digit UoEs assessed
were rated above
world standard

FoR Overview

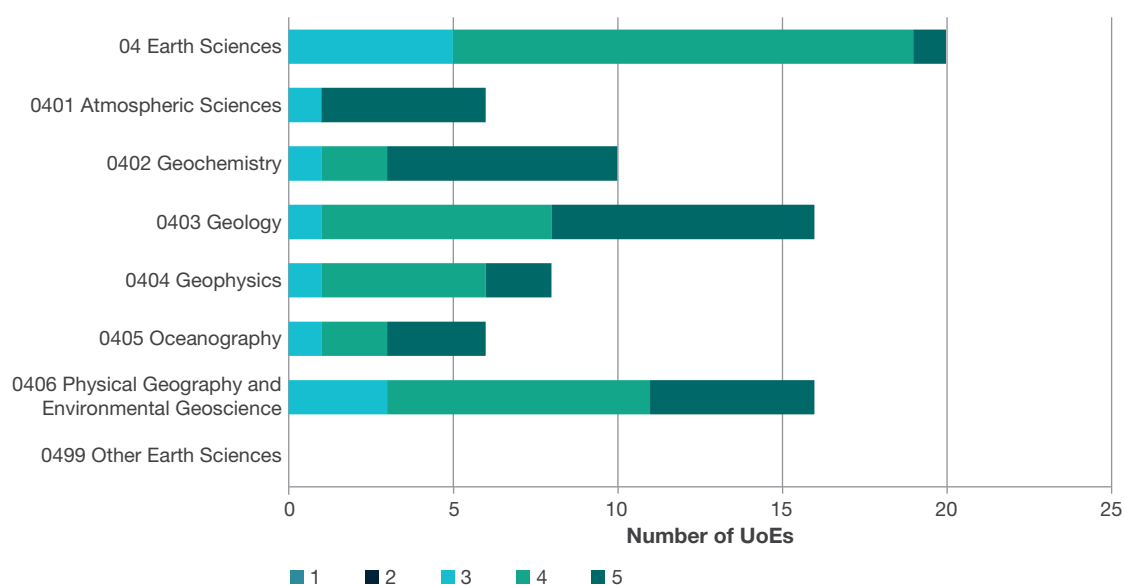
Earth Sciences (04) accounted for approximately three per cent of the research outputs submitted to ERA 2015.

Journal articles were the most common research output type in Earth Sciences. Geology (0403) had the highest number of research outputs, staffing levels and highest research income levels. Geochemistry (0402) had the highest research commercialisation income.

Indicator	No.
Research outputs	11,090.4
Research income	\$360,562,621
FTEs	980.5
Esteem count	118.4
Patents	5.0
Research commercialisation income	\$3,921,917

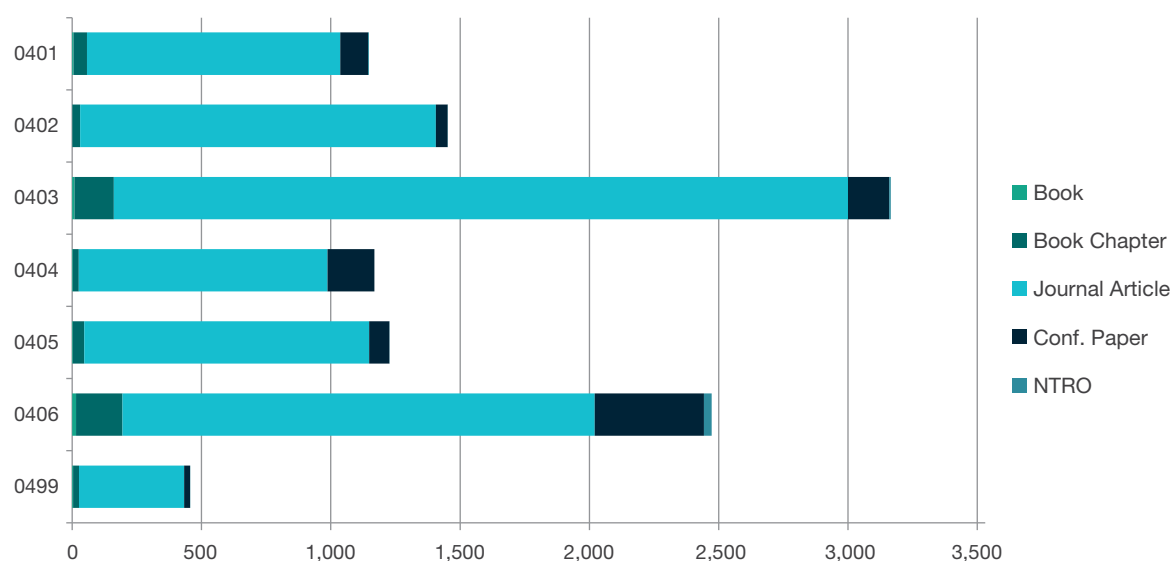
Rating	Distribution	
	Two-digit	Four-digit
5	1	30
4	14	24
3	5	8
2	0	0
1	0	0
Total	20	62

NUMBER OF UOES PER RATING SCALE SCORE



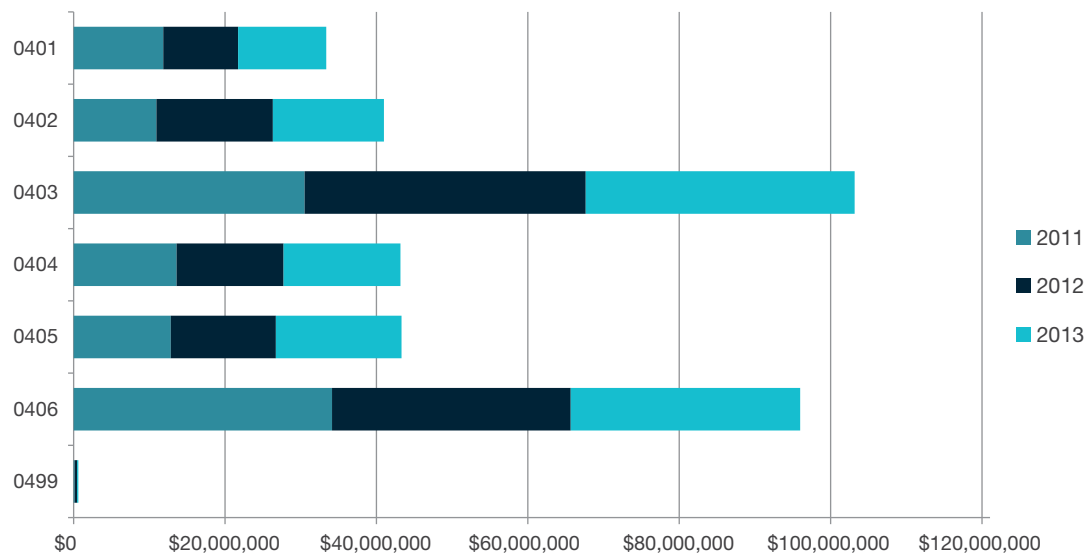
Note: 04 Earth Sciences shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



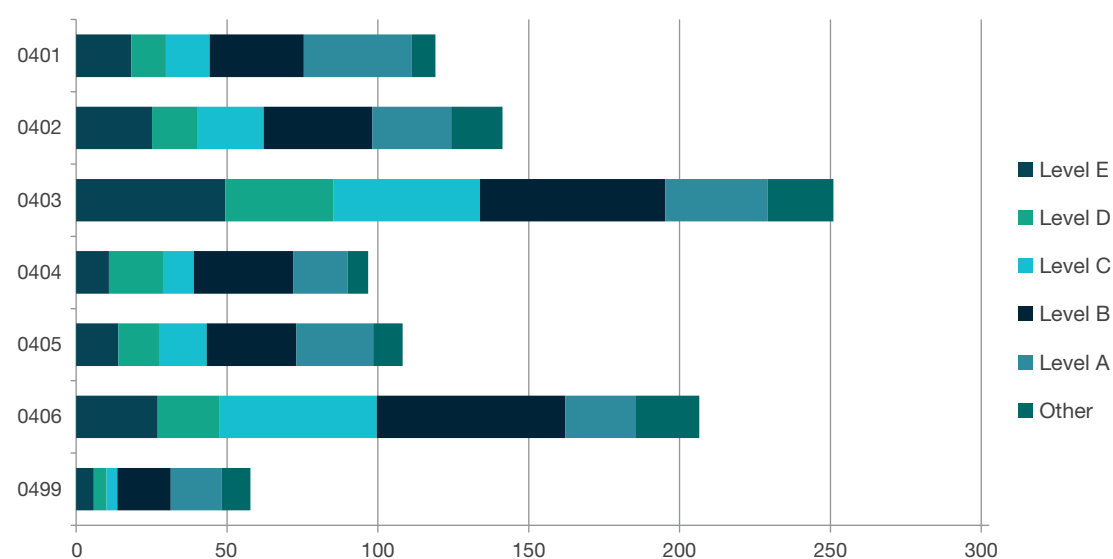
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
0401 Atmospheric Sciences	5.0	52.2	979.2	107.6	3.2	1,147.1
0402 Geochemistry	1.0	29.8	1,375.7	45.1	1.5	1,453.1
0403 Geology	8.2	152.5	2,839.6	159.5	6.0	3,165.8
0404 Geophysics	2.0	22.9	962.3	181.3	0.0	1,168.5
0405 Oceanography	2.0	44.1	1,102.4	77.8	1.0	1,227.2
0406 Physical Geography and Environmental Geoscience	14.3	179.6	1,826.8	422.3	29.6	2,472.5
0499 Other Earth Sciences	3.5	22.9	406.4	22.8	0.5	456.1
Total	36.0	503.9	9,492.4	1,016.4	41.8	11,090.4

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)



FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0401 Atmospheric Sciences	11,821,744	9,909,795	11,628,174	33,359,713
0402 Geochemistry	10,909,829	15,409,186	14,663,235	40,982,251
0403 Geology	30,501,278	37,138,420	35,530,071	103,169,768
0404 Geophysics	13,586,418	14,144,304	15,440,349	43,171,071
0405 Oceanography	12,810,030	13,902,603	16,585,131	43,297,764
0406 Physical Geography and Environmental Geoscience	34,126,806	31,527,237	30,311,904	95,965,947
0499 Other Earth Sciences	123,144	305,643	187,320	616,107
Total	113,879,250	122,337,188	124,346,184	360,562,621

STAFFING PROFILE BY ACADEMIC LEVEL

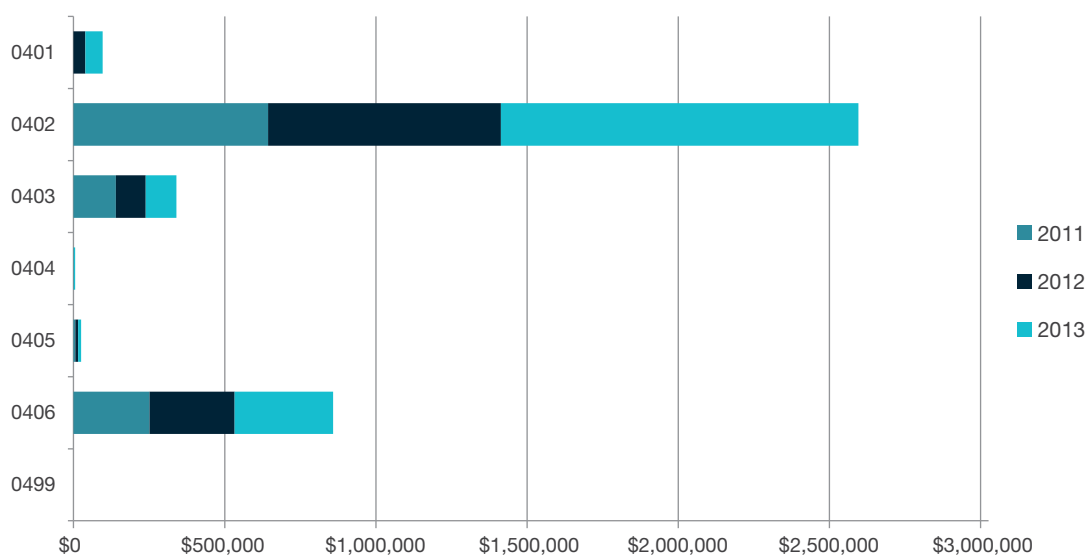


FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
0401 Atmospheric Sciences	18.3	11.4	14.5	31.2	35.8	7.8	119.1
0402 Geochemistry	25.1	15.0	22.1	36.0	26.2	17.0	141.3
0403 Geology	49.4	36.0	48.5	61.5	33.8	21.8	251.0
0404 Geophysics	10.8	17.9	10.3	32.9	18.1	6.8	96.8
0405 Oceanography	14.0	13.5	15.8	29.7	25.5	9.7	108.2
0406 Physical Geography and Environmental Geoscience	27.0	20.5	52.1	62.4	23.5	21.0	206.5
0499 Other Earth Sciences	5.9	4.2	3.6	17.7	16.9	9.5	57.7
Total	150.4	118.4	166.8	271.4	179.8	93.7	980.5

PATENT PROFILE

FoR code	Australia	USA	Europe	Japan	Other International	Triadic	Total
0401 Atmospheric Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0402 Geochemistry	0.0	1.0	0.0	0.0	1.0	0.0	2.0
0403 Geology	0.0	1.0	0.0	0.0	2.0	0.0	3.0
0404 Geophysics	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0405 Oceanography	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0406 Physical Geography and Environmental Geoscience	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0499 Other Earth Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	2.0	0.0	0.0	3.0	0.0	5.0

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)



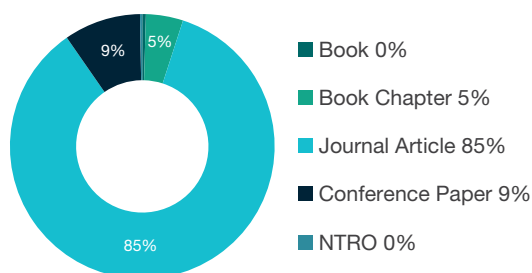
FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0401 Atmospheric Sciences	0	38,969	57,200	96,169
0402 Geochemistry	643,287	770,055	1,182,884	2,596,226
0403 Geology	139,771	99,237	101,385	340,393
0404 Geophysics	924	0	4,520	5,444
0405 Oceanography	6,065	8,989	9,818	24,871
0406 Physical Geography and Environmental Geoscience	251,269	281,452	326,094	858,814
0499 Other Earth Sciences	0	0	0	0
Total	1,041,315	1,198,702	1,681,900	3,921,917

0401 Atmospheric Sciences

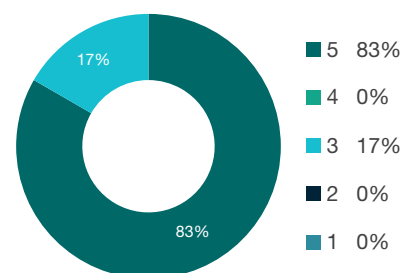
Indicator	No.
Research outputs	1,147.1
Research income	\$33,359,713
FTEs	119.1
Esteem count	13.3
Patents	0.0
Research commercialisation income	\$96,169

Rating	Distribution
5	5
4	0
3	1
2	0
1	0
Total	6

RESEARCH OUTPUTS BY TYPE



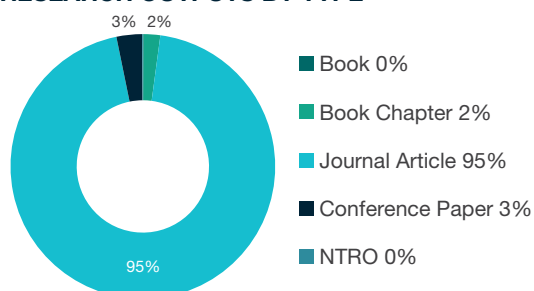
FOR RATING DISTRIBUTION



0402 Geochemistry

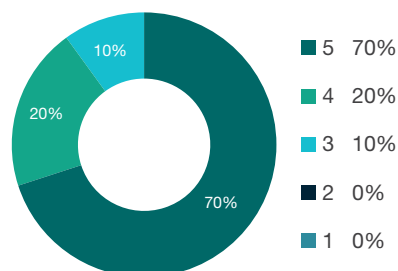
Indicator	No.
Research outputs	1,453.1
Research income	\$40,982,251
FTEs	141.3
Esteem count	23.4
Patents	2.0
Research commercialisation income	\$2,596,226

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	7
4	2
3	1
2	0
1	0
Total	10

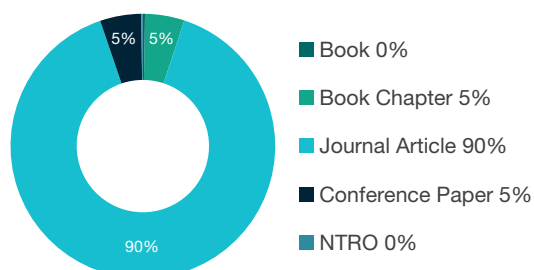
FOR RATING DISTRIBUTION



0403 Geology

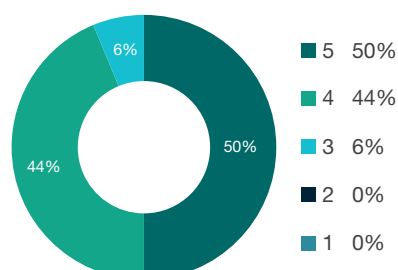
Indicator	No.
Research outputs	3,165.8
Research income	\$103,169,768
FTEs	251.0
Esteem count	40.0
Patents	3.0
Research commercialisation income	\$340,393

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	8
4	7
3	1
2	0
1	0
Total	16

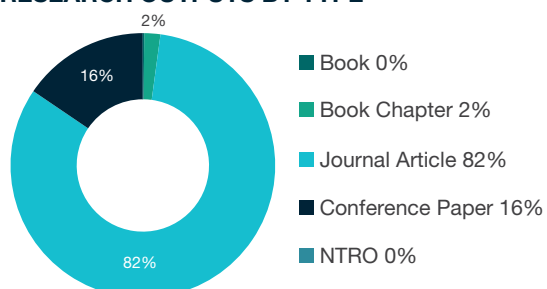
FOR RATING DISTRIBUTION



0404 Geophysics

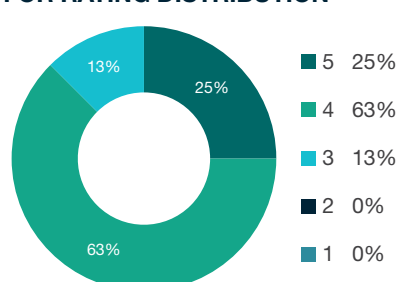
Indicator	No.
Research outputs	1,168.5
Research income	\$43,171,071
FTEs	96.8
Esteem count	8.7
Patents	0.0
Research commercialisation income	\$5,444

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	5
3	1
2	0
1	0
Total	8

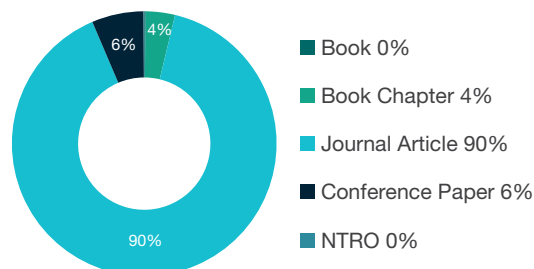
FOR RATING DISTRIBUTION



0405 Oceanography

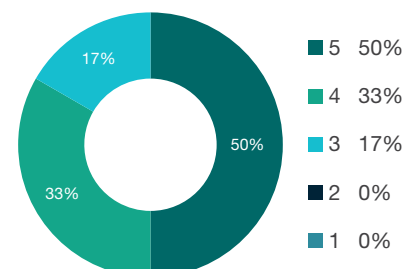
Indicator	No.
Research outputs	1,227.2
Research income	\$43,297,764
FTEs	108.2
Esteem count	17.6
Patents	0.0
Research commercialisation income	\$24,871

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	3
4	2
3	1
2	0
1	0
Total	6

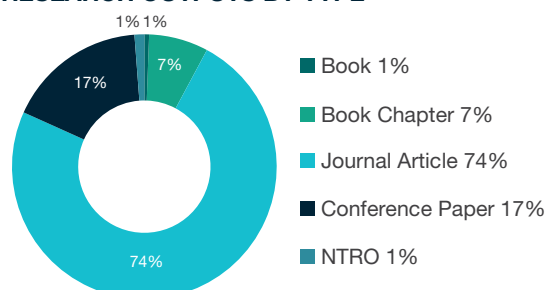
FOR RATING DISTRIBUTION



0406 Physical Geography and Environmental Geoscience

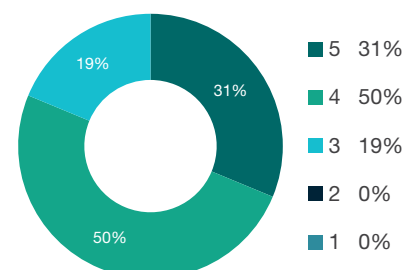
Indicator	No.
Research outputs	2,472.5
Research income	\$95,965,947
FTEs	206.5
Esteem count	15.3
Patents	0.0
Research commercialisation income	\$858,814

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	5
4	8
3	3
2	0
1	0
Total	16

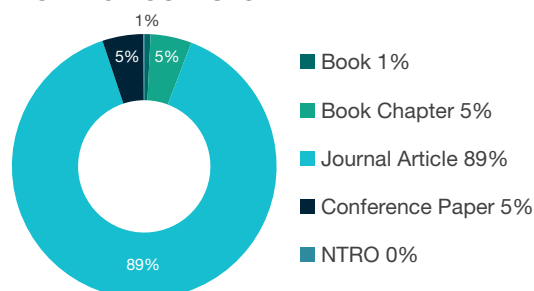
FOR RATING DISTRIBUTION



0499 Other Earth Sciences

Indicator	No.
Research outputs	456.1
Research income	\$616,107
FTEs	57.7
Esteem count	0.1
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 0499.

05 ENVIRONMENTAL SCIENCES

Environmental Sciences is comprised of the following four-digit codes:

0501 Ecological Applications

0502 Environmental Science and Management

0503 Soil Sciences

0599 Other Environmental Sciences

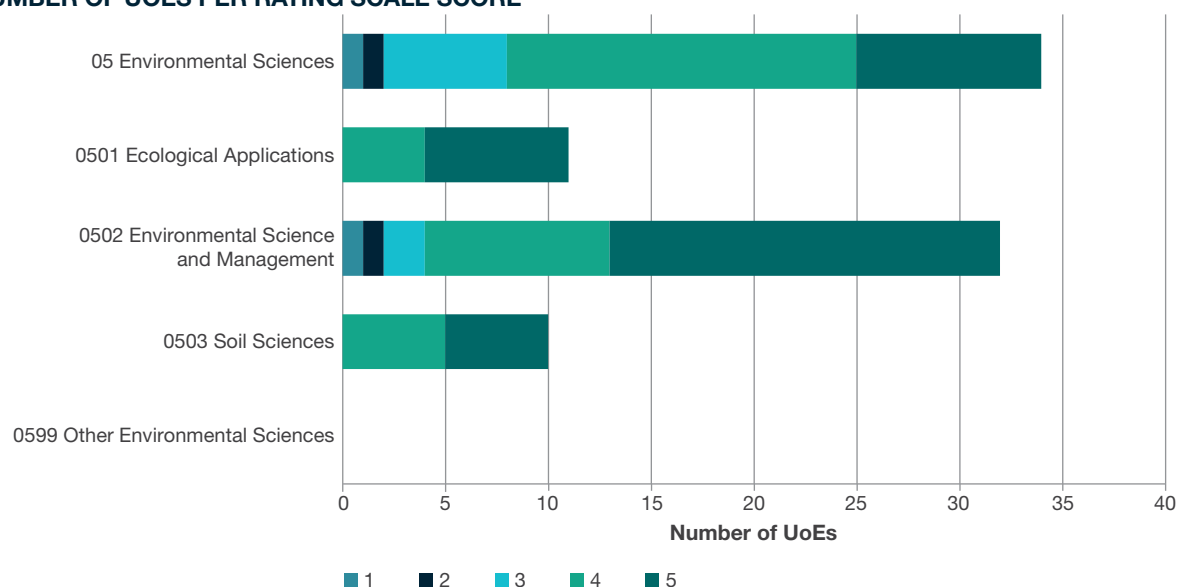
26 out of 34 two-digit UoEs and
49 out of 53 four-digit UoEs
assessed were rated above
world standard

FoR Overview

Environmental Sciences (05) accounted for approximately two per cent of the research outputs submitted to ERA 2015. Journal articles comprised 74 per cent of the total research outputs submitted to Environmental Sciences, followed by book chapters (11 per cent). Environmental Science and Management (0502) is the largest sub-discipline in terms of research outputs, staffing levels, research income and research commercialisation income. Approximately two per cent of the patents submitted to ERA 2015 were in Environmental Sciences (05).

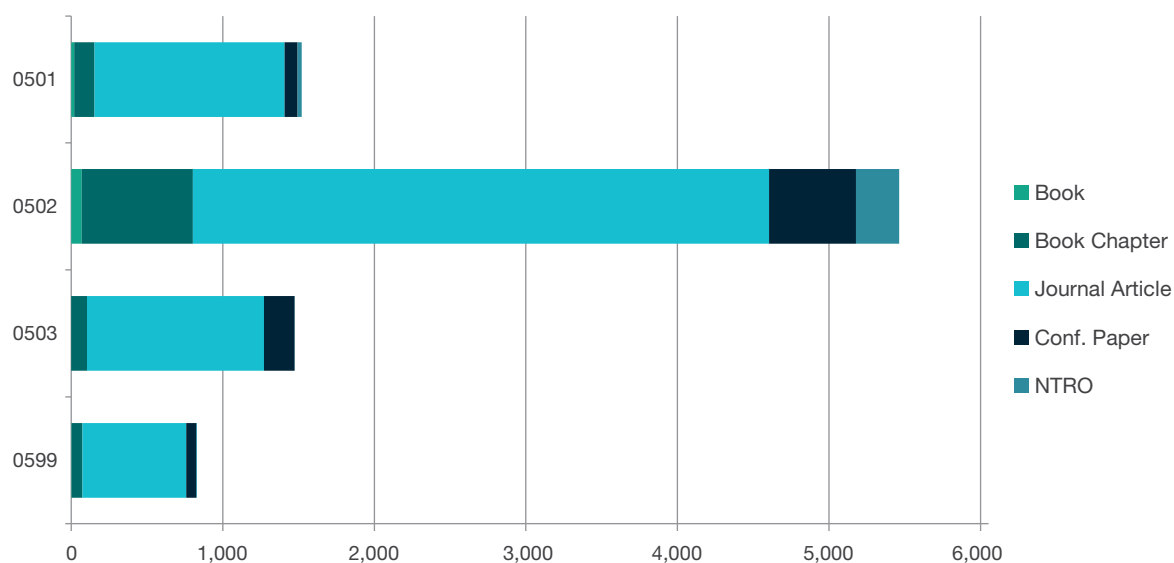
Indicator	No.	Rating	Distribution	
			Two-digit	Four-digit
Research outputs	9,288.4	5	9	31
Research income	\$418,507,503	4	17	18
FTEs	828.2	3	6	2
Esteem count	83.2	2	1	1
Patents	14.8	1	1	1
Research commercialisation income	\$974,593	Total	34	53

NUMBER OF UOES PER RATING SCALE SCORE



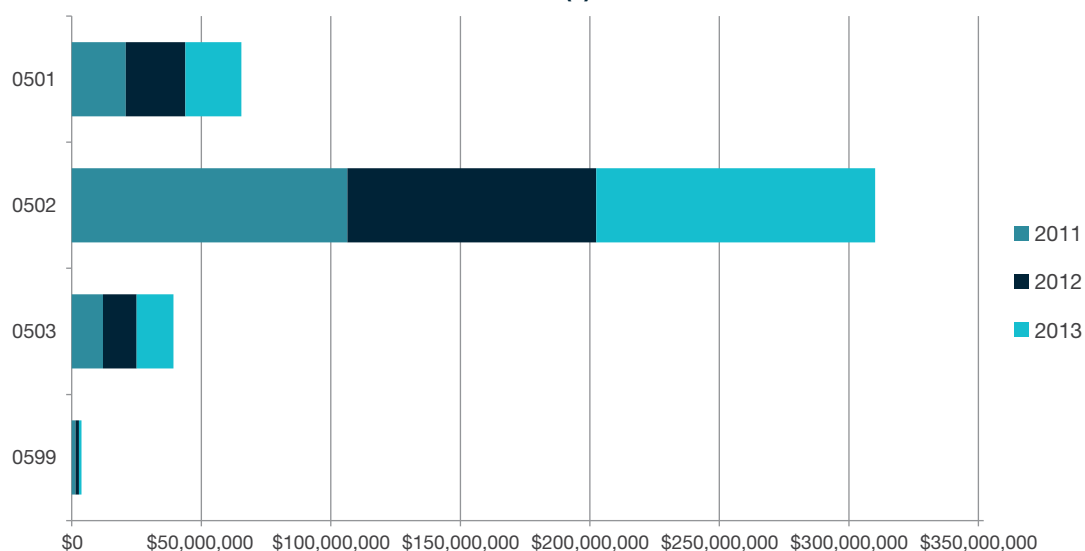
Note: 05 Environmental Sciences shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



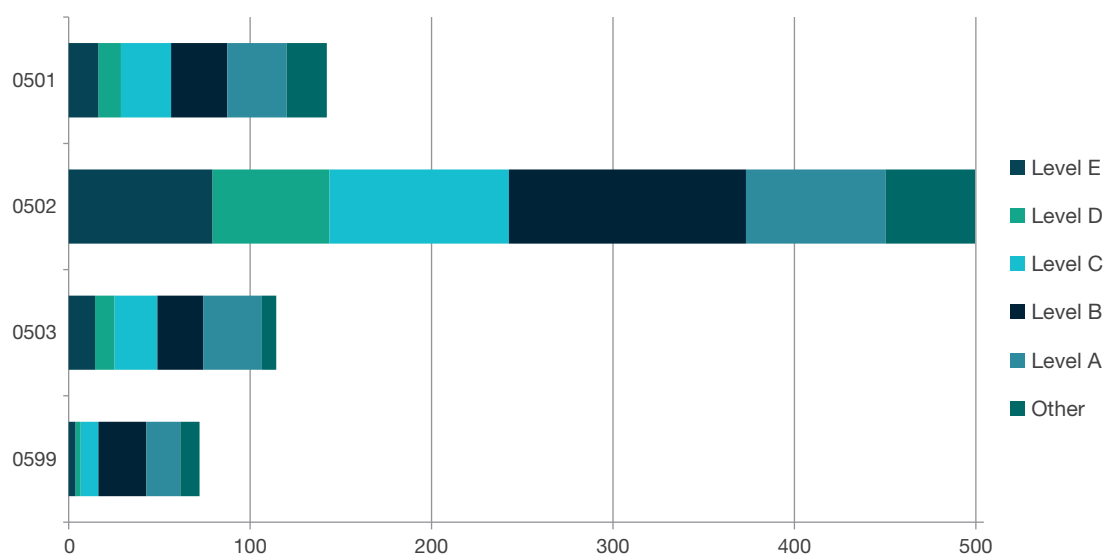
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
0501 Ecological Applications	19.1	134.8	1,254.2	86.1	26.4	1,520.5
0502 Environmental Science and Management	69.1	733.7	3,802.8	571.9	285.4	5,462.9
0503 Soil Sciences	0.5	104.2	1,167.2	201.8	1.0	1,474.7
0599 Other Environmental Sciences	3.5	70.7	684.4	65.2	6.5	830.3
Total	92.1	1,043.4	6,908.6	925.0	319.3	9,288.4

RESEARCH INCOME BY YEAR—ALL CATEGORIES (\$)



FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0501 Ecological Applications	20,823,143	23,036,619	21,570,877	65,430,639
0502 Environmental Science and Management	106,378,183	96,063,050	107,669,585	310,110,818
0503 Soil Sciences	12,020,506	13,035,704	14,203,218	39,259,428
0599 Other Environmental Sciences	1,426,389	1,322,866	957,363	3,706,618
Total	140,648,221	133,458,239	144,401,043	418,507,503

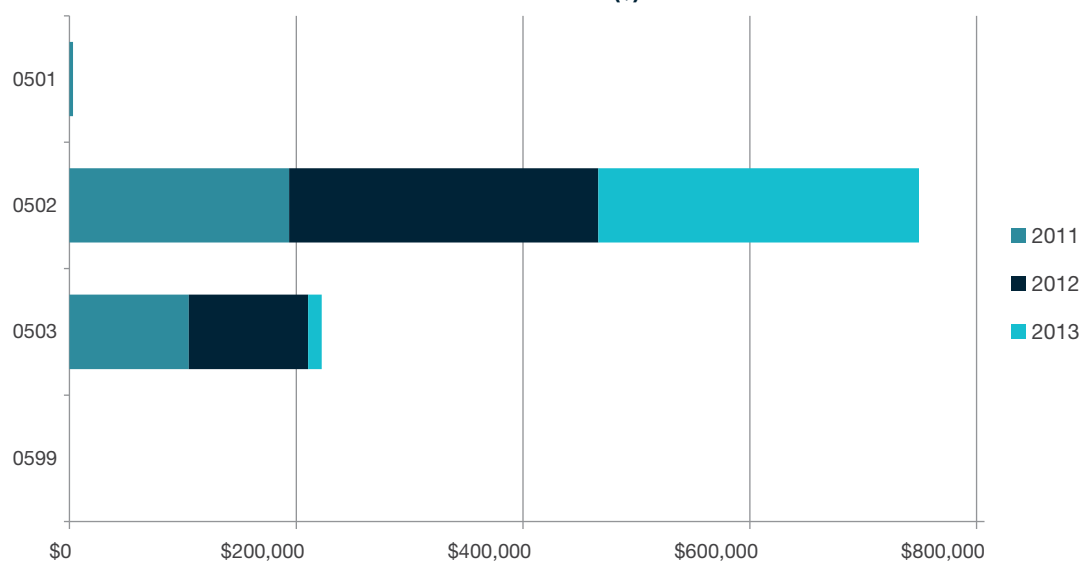
STAFFING PROFILE BY ACADEMIC LEVEL



PATENT PROFILE

FoR code	Australia	USA	Europe	Japan	Other International	Triadic	Total
0501 Ecological Applications	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0502 Environmental Science and Management	1.0	2.3	0.0	0.6	5.8	0.0	9.7
0503 Soil Sciences	0.5	0.5	0.0	0.0	4.1	0.0	5.1
0599 Other Environmental Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.5	2.8	0.0	0.6	9.9	0.0	14.8

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)



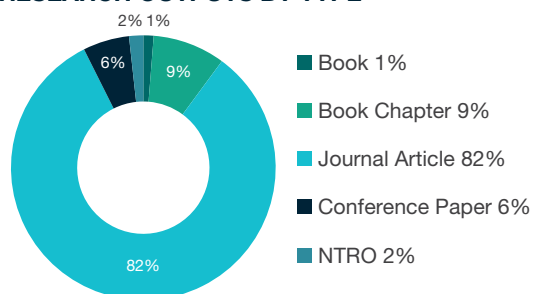
FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0501 Ecological Applications	3,057	0	0	3,057
0502 Environmental Science and Management	193,634	272,783	282,749	749,166
0503 Soil Sciences	105,173	105,213	11,984	222,370
0599 Other Environmental Sciences	0	0	0	0
Total	301,864	377,996	294,733	974,593

0501 Ecological Applications

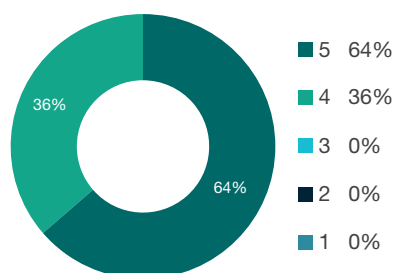
Indicator	No.
Research outputs	1,520.5
Research income	\$65,430,639
FTEs	142.2
Esteem count	17.3
Patents	0.0
Research commercialisation income	\$3,057

Rating	Distribution
5	7
4	4
3	0
2	0
1	0
Total	11

RESEARCH OUTPUTS BY TYPE



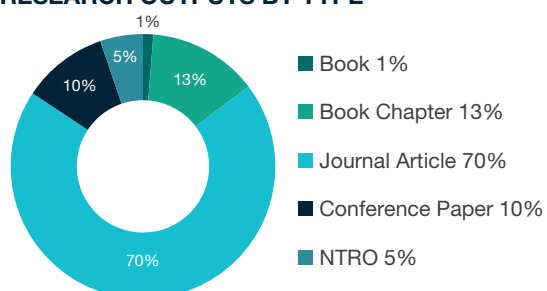
FOR RATING DISTRIBUTION



0502 Environmental Science and Management

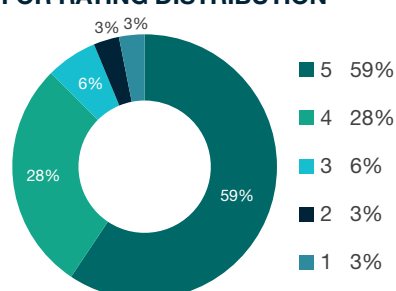
Indicator	No.
Research outputs	5,462.9
Research income	\$310,110,818
FTEs	499.5
Esteem count	55.2
Patents	9.7
Research commercialisation income	\$749,166

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	19
4	9
3	2
2	1
1	1
Total	32

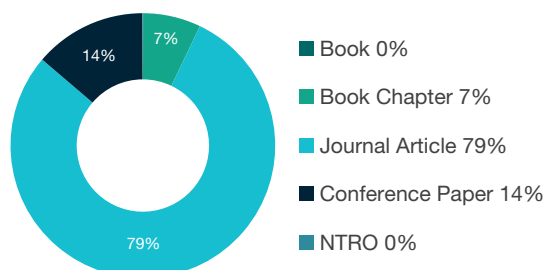
FOR RATING DISTRIBUTION



0503 Soil Sciences

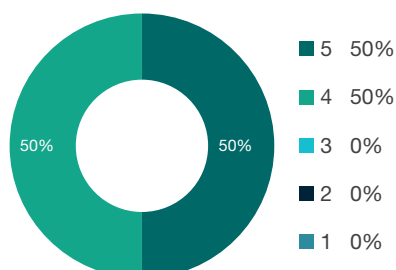
Indicator	No.
Research outputs	1,474.7
Research income	\$39,259,428
FTEs	114.4
Esteem count	10.3
Patents	5.1
Research commercialisation income	\$222,370

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	5
4	5
3	0
2	0
1	0
Total	10

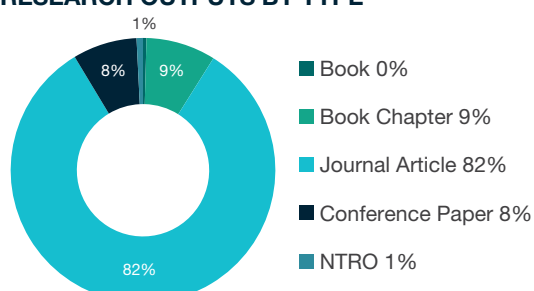
FOR RATING DISTRIBUTION



0599 Other Environmental Sciences

Indicator	No.
Research outputs	830.3
Research income	\$3,706,618
FTEs	72.0
Esteem count	0.5
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 0599.

06 BIOLOGICAL SCIENCES

Biological Sciences is comprised of the following four-digit codes:

0601 Biochemistry and Cell Biology

0602 Ecology

0603 Evolutionary Biology

0604 Genetics

0605 Microbiology

0606 Physiology

0607 Plant Biology

0608 Zoology

0699 Other Biological Sciences

**19 out of 33 two-digit UoEs and
101 out of 137 four-digit UoEs assessed
were rated above world standard**

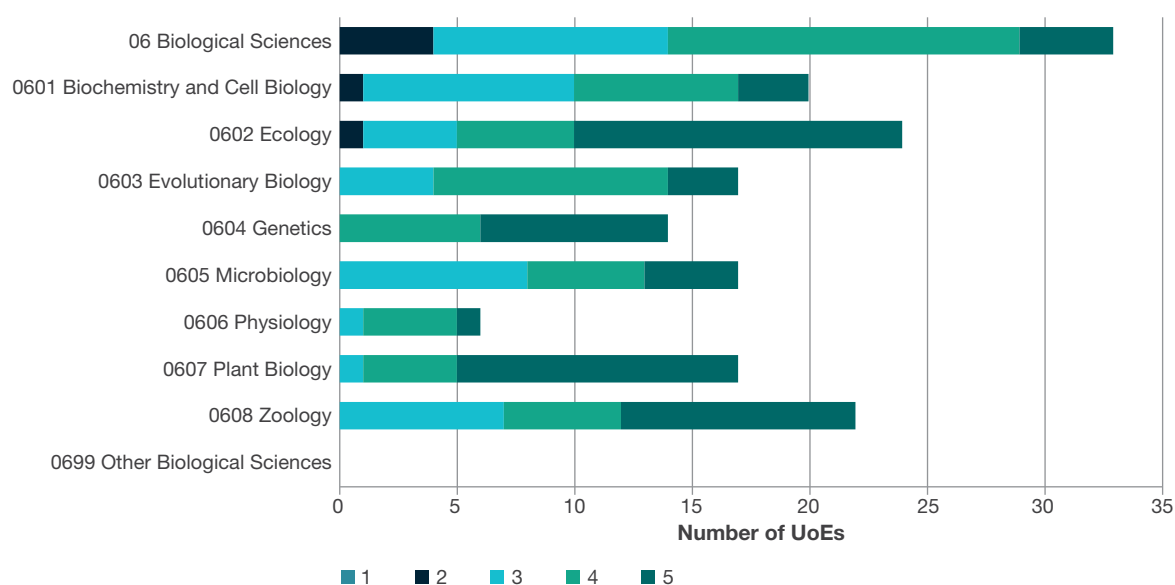
FoR Overview

Biological Sciences (06) accounted for approximately seven per cent of the research outputs submitted to ERA 2015 and approximately 13 per cent of all patents. The majority of the Biological Sciences research outputs were journal articles (93 per cent). Biochemistry and Cell Biology (0601) was the largest sub-discipline in terms of research outputs, staffing, research income and patents. Plant Biology (0607) had the highest amount of research commercialisation income.

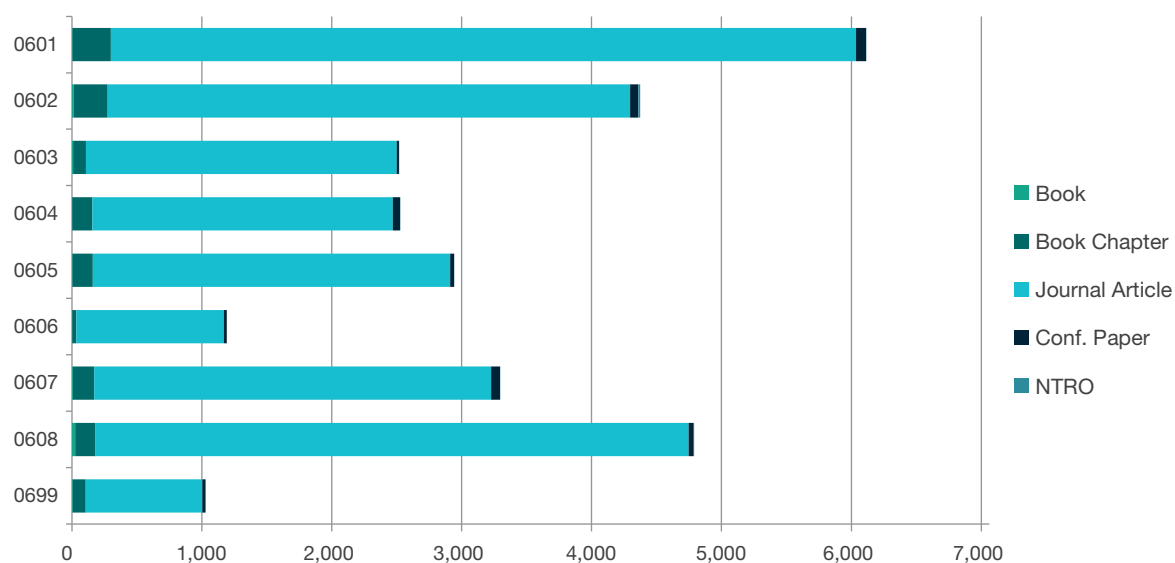
Indicator	No.
Research outputs	28,786.3
Research income	\$988,548,549
FTEs	3,294.0
Esteem count	520.5
Patents	125.2
Research commercialisation income	\$4,064,145

Rating	Distribution	
	Two-digit	Four-digit
5	4	55
4	15	46
3	10	34
2	4	2
1	0	0
Total	33	137

NUMBER OF UOES PER RATING SCALE SCORE

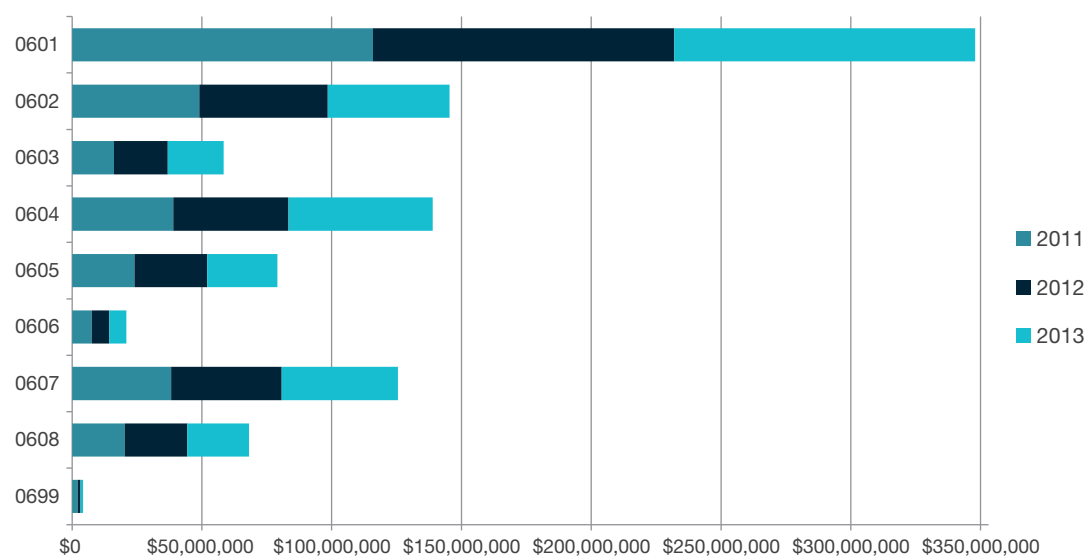


RESEARCH OUTPUTS SUBMITTED BY TYPE

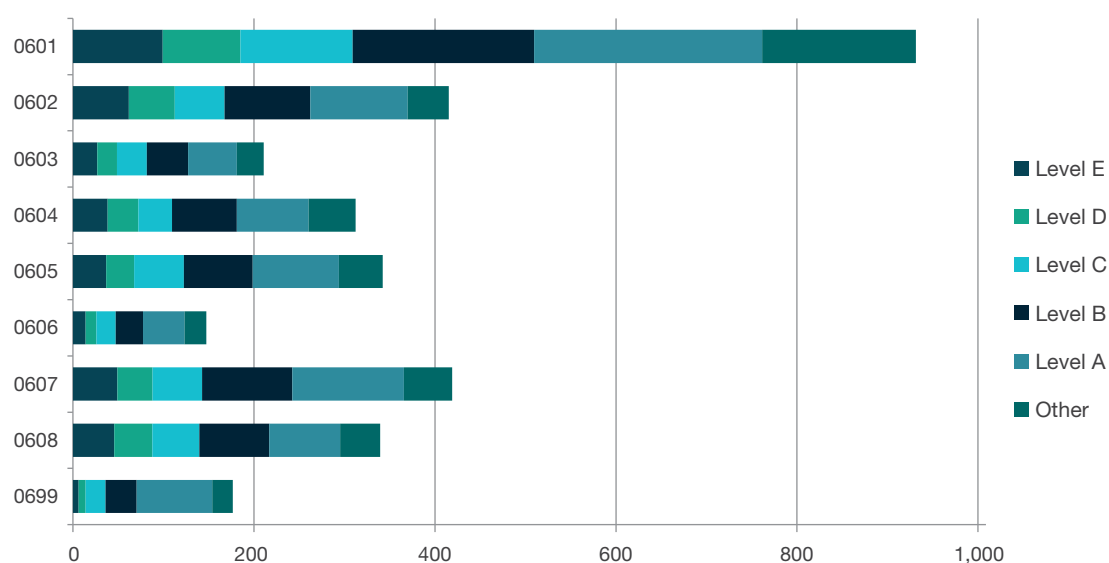


FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
0601 Biochemistry and Cell Biology	3.5	295.3	5,737.2	77.3	1.0	6,114.3
0602 Ecology	13.3	261.4	4,021.8	63.6	14.6	4,374.8
0603 Evolutionary Biology	9.1	97.7	2,392.8	17.7	1.0	2,518.3
0604 Genetics	1.5	154.3	2,314.1	56.4	1.5	2,527.8
0605 Microbiology	2.8	156.8	2,752.2	29.8	1.0	2,942.7
0606 Physiology	1.5	31.1	1,137.0	22.3	0.0	1,191.9
0607 Plant Biology	6.5	164.4	3,054.9	68.9	3.0	3,297.7
0608 Zoology	24.1	152.7	4,570.2	38.9	3.5	4,789.5
0699 Other Biological Sciences	5.2	100.0	898.6	24.6	1.0	1,029.4
Total	67.5	1,413.7	26,879.0	399.5	26.6	28,786.3

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)



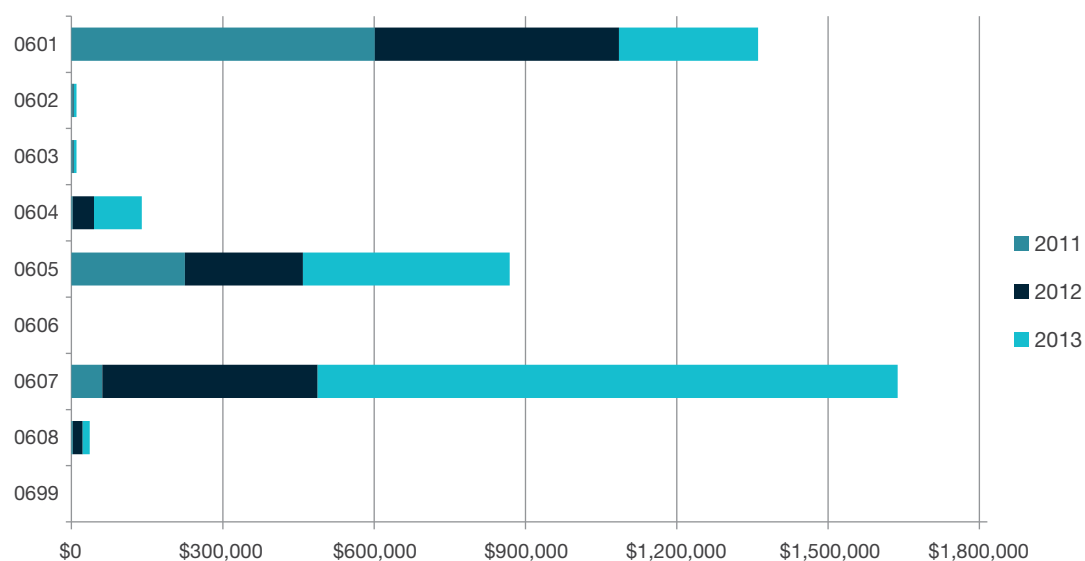
STAFFING PROFILE BY ACADEMIC LEVEL



PATENT PROFILE

FoR code	Australia	USA	Europe	Japan	Other International	Triadic	Total
0601 Biochemistry and Cell Biology	11.3	30.2	16.0	6.3	12.6	0.0	76.5
0602 Ecology	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0603 Evolutionary Biology	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0604 Genetics	8.0	2.5	3.0	1.0	4.2	0.0	18.6
0605 Microbiology	4.0	3.0	1.5	1.0	2.0	0.0	11.5
0606 Physiology	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0607 Plant Biology	4.5	3.5	1.8	0.3	6.5	0.0	16.7
0608 Zoology	0.0	2.0	0.0	0.0	0.0	0.0	2.0
0699 Other Biological Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	27.8	41.2	22.4	8.6	25.3	0.0	125.2

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)



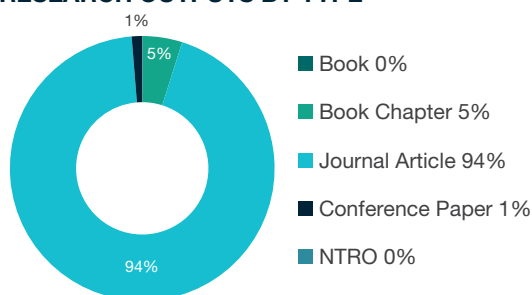
FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0601 Biochemistry and Cell Biology	601,379	484,157	275,837	1,361,373
0602 Ecology	2,455	2,045	5,642	10,142
0603 Evolutionary Biology	2,455	2,045	5,642	10,142
0604 Genetics	2,455	42,387	94,562	139,404
0605 Microbiology	225,024	233,915	409,734	868,673
0606 Physiology	0	0	0	0
0607 Plant Biology	61,189	426,716	1,150,159	1,638,064
0608 Zoology	2,697	19,322	14,328	36,347
0699 Other Biological Sciences	0	0	0	0
Total	897,654	1,210,586	1,955,904	4,064,145

0601 Biochemistry and Cell Biology

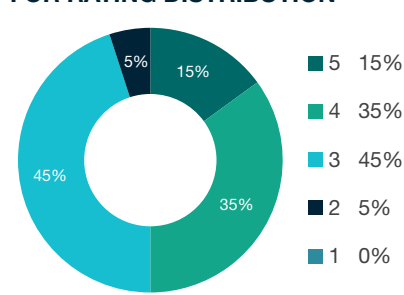
Indicator	No.
Research outputs	6,114.3
Research income	\$347,952,946
FTEs	931.4
Esteem count	199.8
Patents	76.5
Research commercialisation income	\$1,361,373

Rating	Distribution
5	3
4	7
3	9
2	1
1	0
Total	20

RESEARCH OUTPUTS BY TYPE



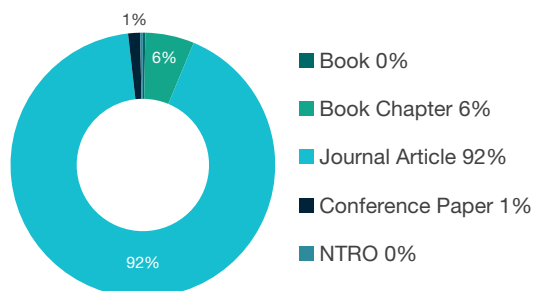
FOR RATING DISTRIBUTION



0602 Ecology

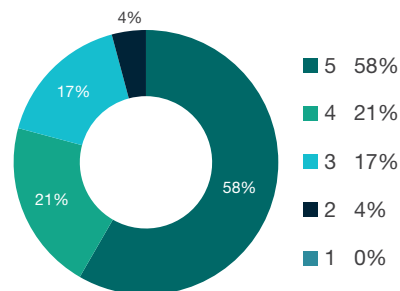
Indicator	No.
Research outputs	4,374.8
Research income	\$145,435,449
FTEs	415.2
Esteem count	51.2
Patents	0.0
Research commercialisation income	\$10,142

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	14
4	5
3	4
2	1
1	0
Total	24

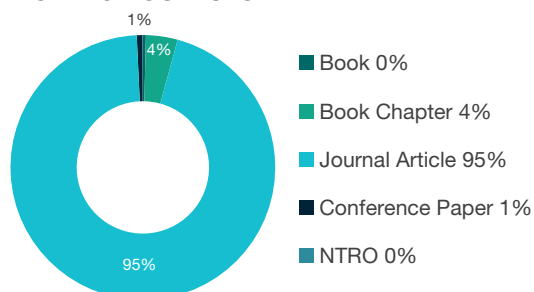
FOR RATING DISTRIBUTION



0603 Evolutionary Biology

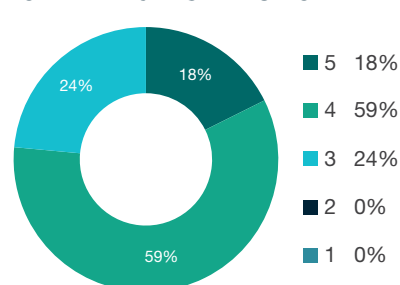
Indicator	No.
Research outputs	2,518.3
Research income	\$58,387,989
FTEs	210.7
Esteem count	52.1
Patents	0.0
Research commercialisation income	\$10,142

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	3
4	10
3	4
2	0
1	0
Total	17

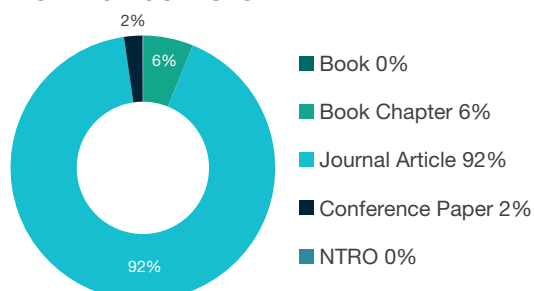
FOR RATING DISTRIBUTION



0604 Genetics

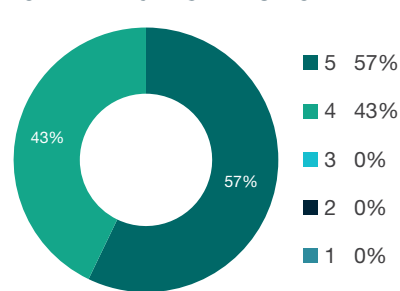
Indicator	No.
Research outputs	2,527.8
Research income	\$138,894,656
FTEs	312.2
Esteem count	78.7
Patents	18.6
Research commercialisation income	\$139,404

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	8
4	6
3	0
2	0
1	0
Total	14

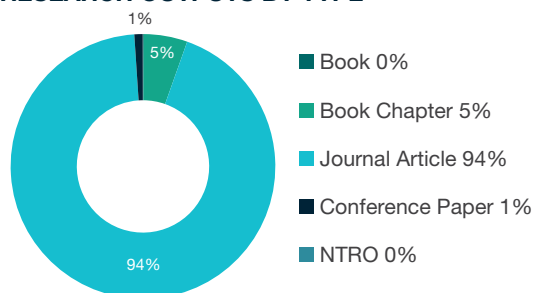
FOR RATING DISTRIBUTION



0605 Microbiology

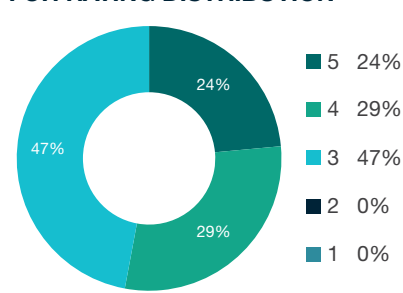
Indicator	No.
Research outputs	2,942.7
Research income	\$79,106,077
FTEs	342.2
Esteem count	39.4
Patents	11.5
Research commercialisation income	\$868,673

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	4
4	5
3	8
2	0
1	0
Total	17

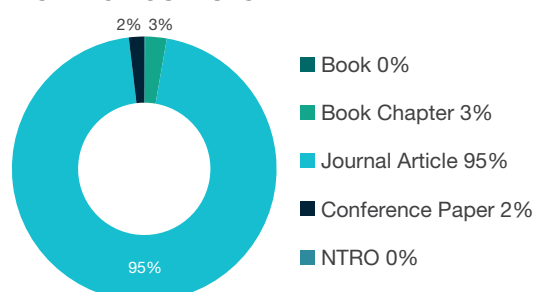
FOR RATING DISTRIBUTION



0606 Physiology

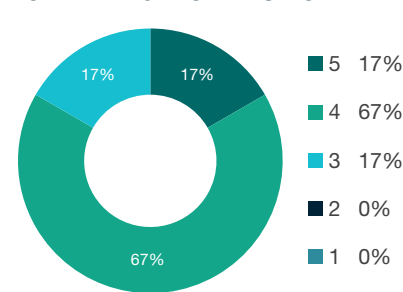
Indicator	No.
Research outputs	1,191.9
Research income	\$20,877,198
FTEs	147.3
Esteem count	11.9
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	4
3	1
2	0
1	0
Total	6

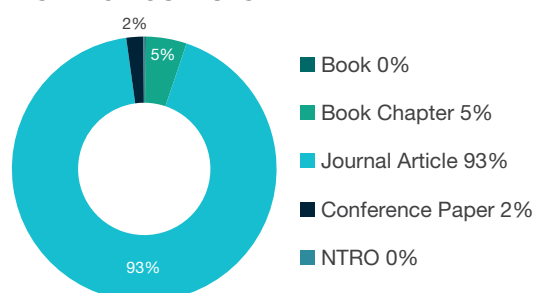
FOR RATING DISTRIBUTION



0607 Plant Biology

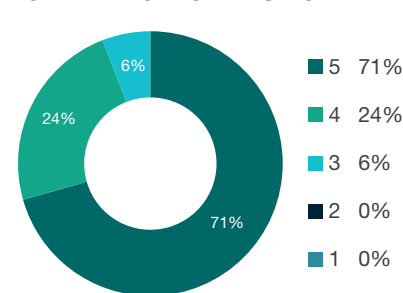
Indicator	No.
Research outputs	3,297.7
Research income	\$125,541,109
FTEs	419.1
Esteem count	52.8
Patents	16.7
Research commercialisation income	\$1,638,064

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	12
4	4
3	1
2	0
1	0
Total	17

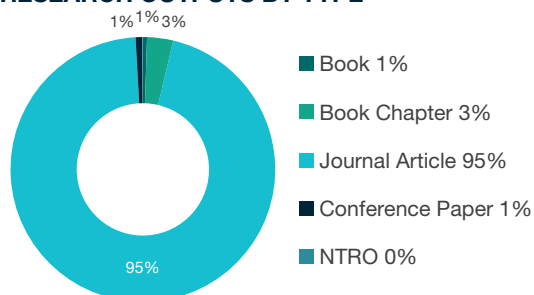
FOR RATING DISTRIBUTION



0608 Zoology

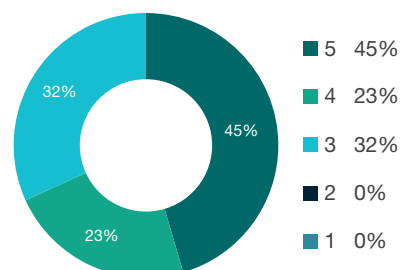
Indicator	No.
Research outputs	4,789.5
Research income	\$68,137,488
FTEs	339.4
Esteem count	33.2
Patents	2.0
Research commercialisation income	\$36,347

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	10
4	5
3	7
2	0
1	0
Total	22

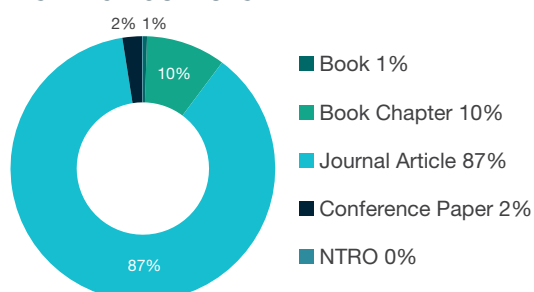
FOR RATING DISTRIBUTION



0699 Other Biological Sciences

Indicator	No.
Research outputs	1,029.4
Research income	\$4,215,636
FTEs	176.5
Esteem count	1.5
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 0699.

07 AGRICULTURAL AND VETERINARY SCIENCES

Agricultural and Veterinary Sciences is comprised of the following four-digit codes:

0701 Agriculture, Land and Farm Management

0702 Animal Production

0703 Crop and Pasture Production

0704 Fisheries Sciences

0705 Forestry Sciences

0706 Horticultural Production

0707 Veterinary Sciences

0799 Other Agricultural and Veterinary Sciences

**17 out of 24 two-digit UoEs and
40 out of 55 four-digit UoEs
assessed were rated above
world standard**

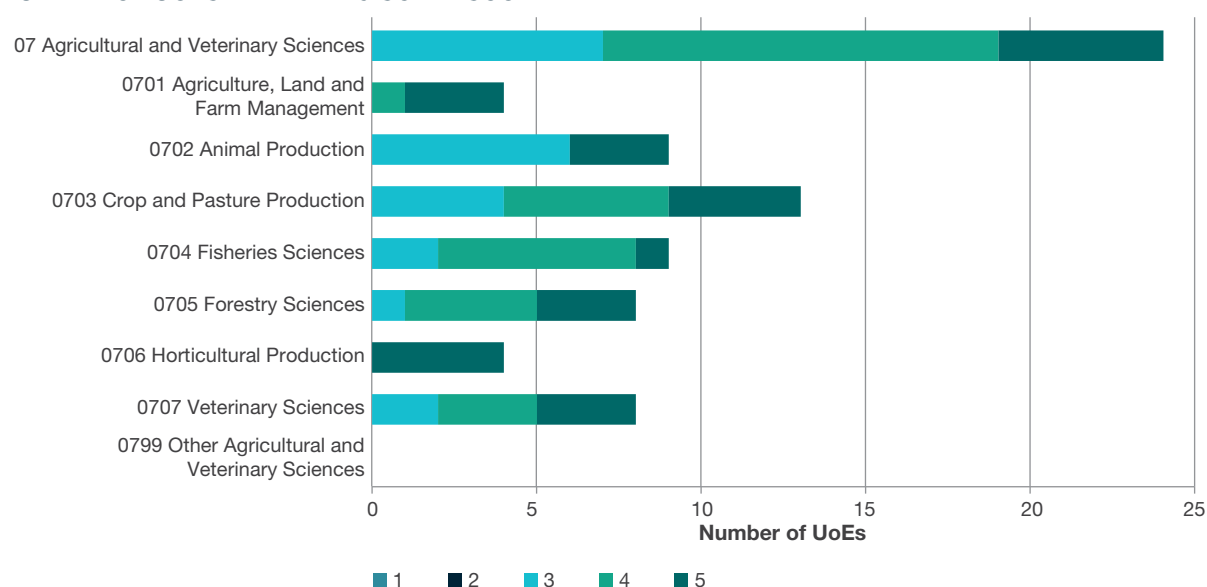
FoR Overview

Agricultural and Veterinary Sciences (07) accounted for approximately three per cent of the research outputs submitted to ERA 2015. While most of the Agricultural and Veterinary Sciences research outputs were journal articles (82 per cent), there was a significant proportion of conference papers (12 per cent). Crop and Pasture Production (0703) was the largest sub-discipline in terms of research outputs and research income. Veterinary Sciences (0707) had the highest number of staff, while Animal Production (0702) had the highest research commercialisation income.

Indicator	No.
Research outputs	12,094.8
Research income	\$531,922,829
FTEs	1,287.5
Esteem count	33.2
Patents	22.3
Research commercialisation income	\$35,495,083

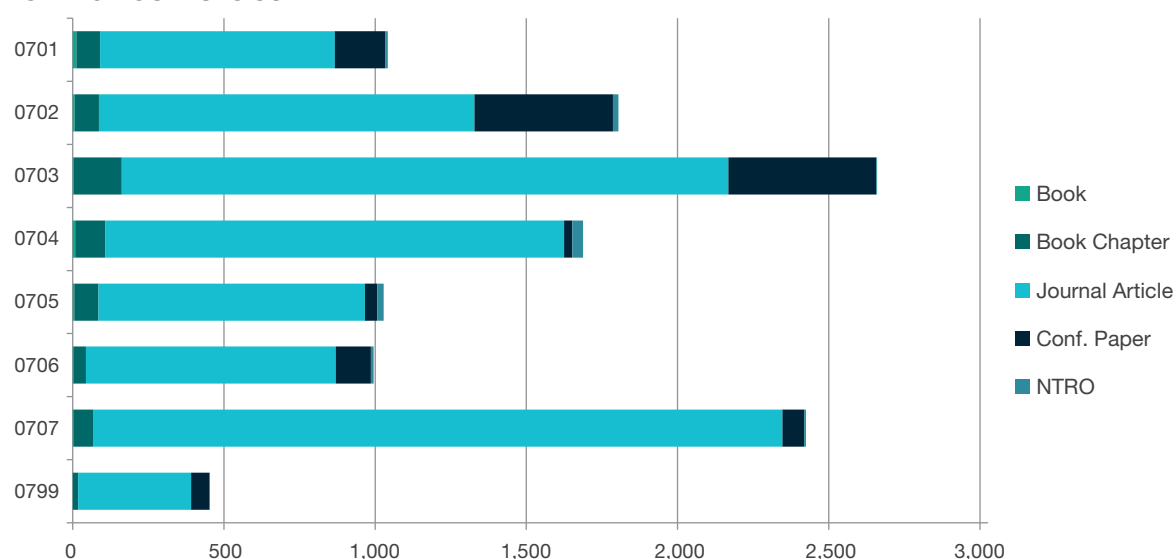
Rating	Distribution	
	Two-digit	Four-digit
5	5	21
4	12	19
3	7	15
2	0	0
1	0	0
Total	24	55

NUMBER OF UOES PER RATING SCALE SCORE



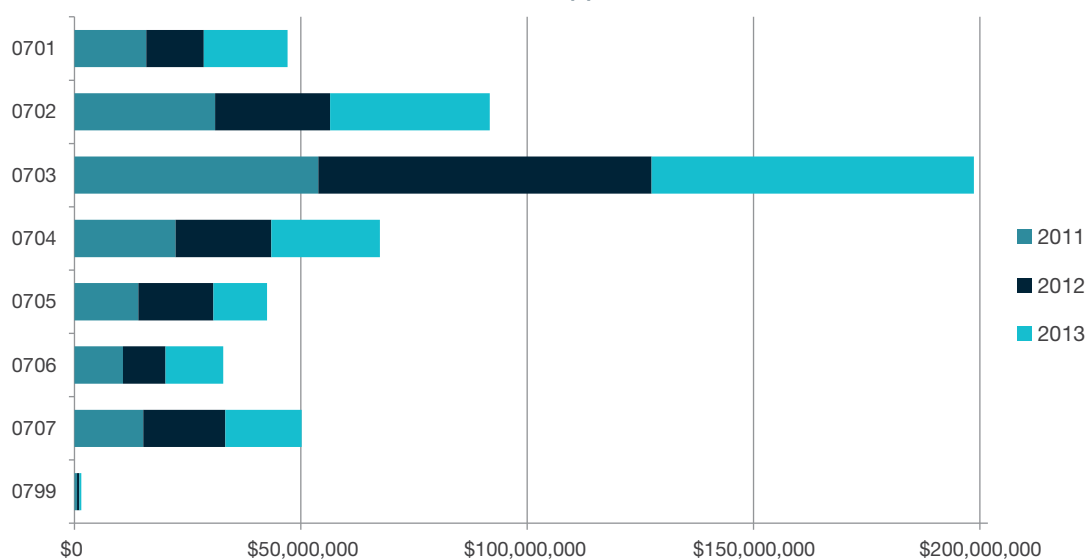
Note: 07 Agricultural and Veterinary Sciences shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE

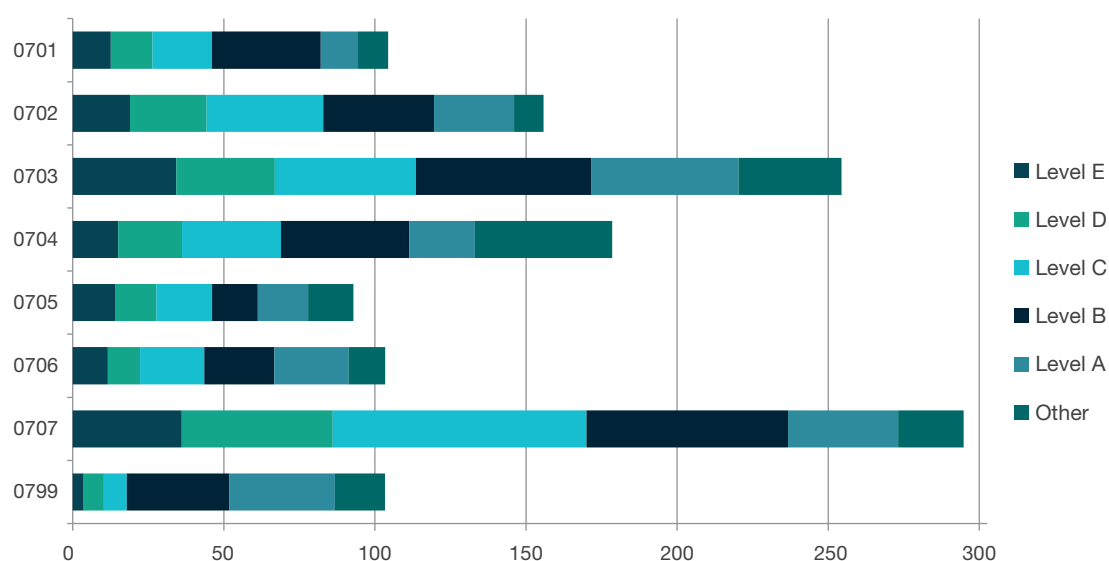


FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
0701 Agriculture, Land and Farm Management	11.7	78.5	776.2	168.1	7.6	1,042.2
0702 Animal Production	6.6	80.3	1,241.5	457.8	18.0	1,804.2
0703 Crop and Pasture Production	4.0	158.2	2,006.1	488.5	3.3	2,660.0
0704 Fisheries Sciences	8.6	98.8	1,517.7	27.1	35.5	1,687.6
0705 Forestry Sciences	5.2	79.9	881.2	40.8	21.2	1,028.4
0706 Horticultural Production	2.0	41.5	826.2	116.2	8.8	994.7
0707 Veterinary Sciences	2.3	65.1	2,279.8	71.4	6.3	2,424.9
0799 Other Agricultural and Veterinary Sciences	1.0	17.3	373.3	61.3	0.0	452.9
Total	41.3	619.5	9,902.1	1,431.3	100.7	12,094.8

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)



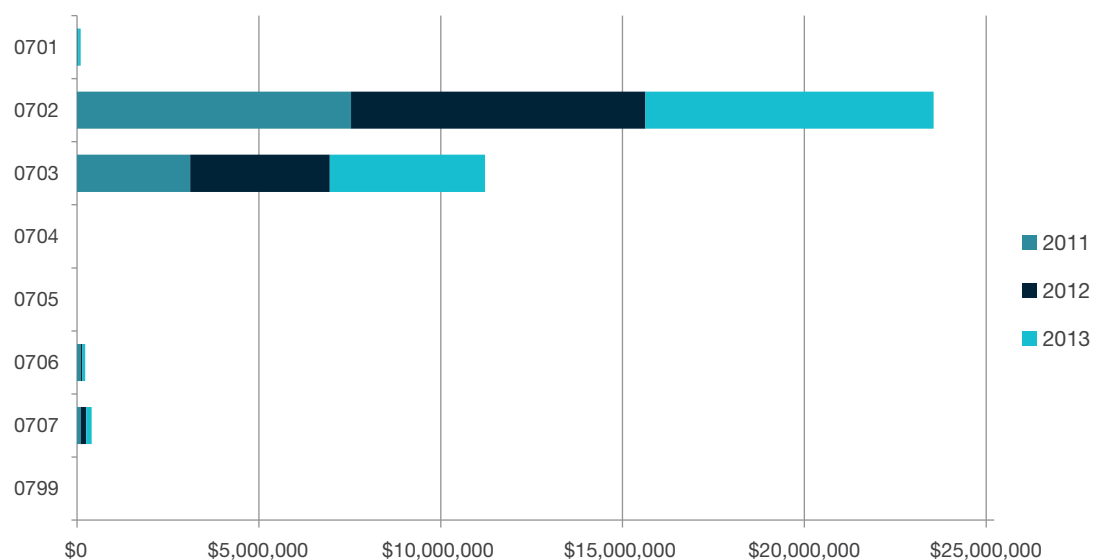
STAFFING PROFILE BY ACADEMIC LEVEL



PATENT PROFILE

FoR code	Australia	USA	Europe	Japan	Other International	Triadic	Total
0701 Agriculture, Land and Farm Management	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0702 Animal Production	0.3	0.0	0.0	0.0	1.2	0.0	1.5
0703 Crop and Pasture Production	2.0	2.0	0.3	0.0	4.5	0.0	8.8
0704 Fisheries Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0705 Forestry Sciences	2.0	1.0	0.0	1.0	3.0	0.0	7.0
0706 Horticultural Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0707 Veterinary Sciences	1.0	1.0	1.0	0.0	2.0	0.0	5.0
0799 Other Agricultural and Veterinary Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	5.3	4.0	1.3	1.0	10.7	0.0	22.3

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)

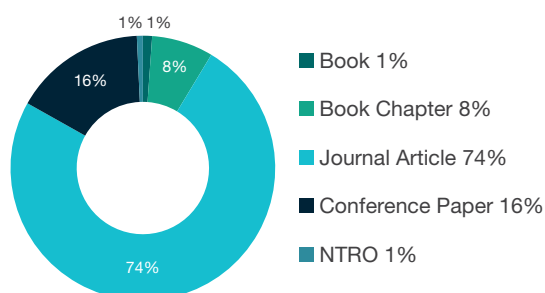


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0701 Agriculture, Land and Farm Management	23,249	11,559	61,648	96,456
0702 Animal Production	7,533,000	8,097,000	7,927,000	23,557,000
0703 Crop and Pasture Production	3,109,454	3,841,066	4,268,313	11,218,833
0704 Fisheries Sciences	0	0	0	0
0705 Forestry Sciences	0	0	0	0
0706 Horticultural Production	102,500	39,952	80,658	223,110
0707 Veterinary Sciences	102,365	149,603	147,717	399,685
0799 Other Agricultural and Veterinary Sciences	0	0	0	0
Total	10,870,568	12,139,180	12,485,335	35,495,083

0701 Agriculture, Land and Farm Management

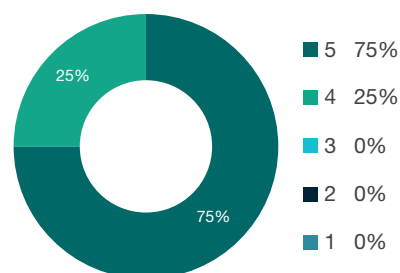
Indicator	No.
Research outputs	1,042.2
Research income	\$47,038,502
FTEs	104.4
Esteem count	3.5
Patents	0.0
Research commercialisation income	\$96,456

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	3
4	1
3	0
2	0
1	0
Total	4

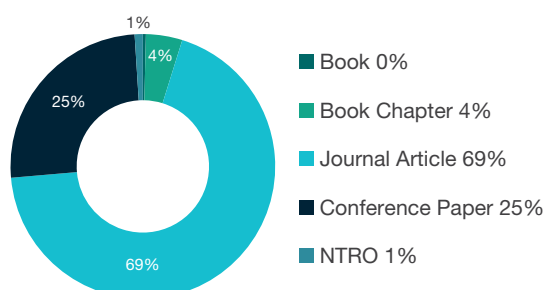
FOR RATING DISTRIBUTION



0702 Animal Production

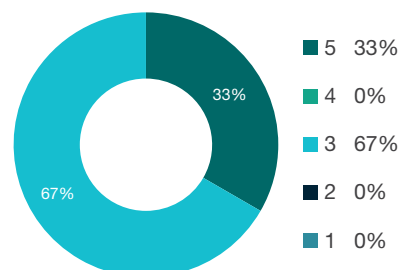
Indicator	No.
Research outputs	1,804.2
Research income	\$91,724,799
FTEs	155.8
Esteem count	0.6
Patents	1.5
Research commercialisation income	\$23,557,000

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	3
4	0
3	6
2	0
1	0
Total	9

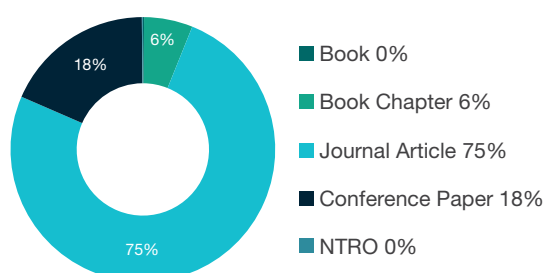
FOR RATING DISTRIBUTION



0703 Crop and Pasture Production

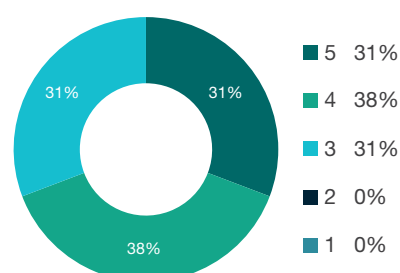
Indicator	No.
Research outputs	2,660.0
Research income	\$198,690,176
FTEs	254.4
Esteem count	15.0
Patents	8.8
Research commercialisation income	\$11,218,833

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	4
4	5
3	4
2	0
1	0
Total	13

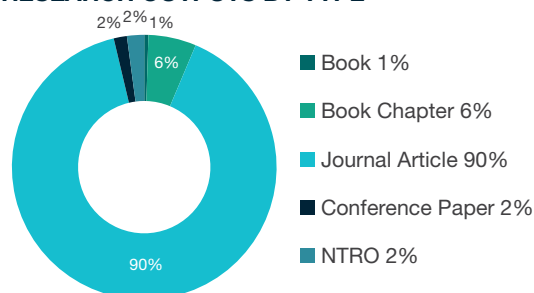
FOR RATING DISTRIBUTION



0704 Fisheries Sciences

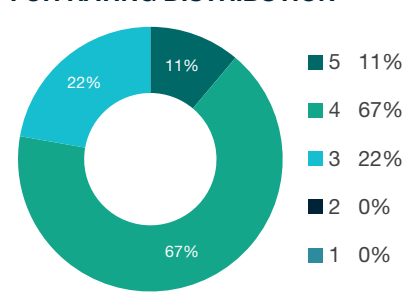
Indicator	No.
Research outputs	1,687.6
Research income	\$67,473,980
FTEs	178.5
Esteem count	2.3
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	6
3	2
2	0
1	0
Total	9

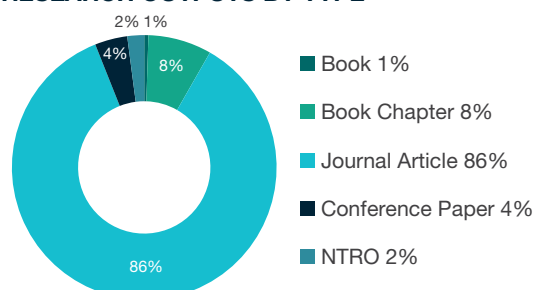
FOR RATING DISTRIBUTION



0705 Forestry Sciences

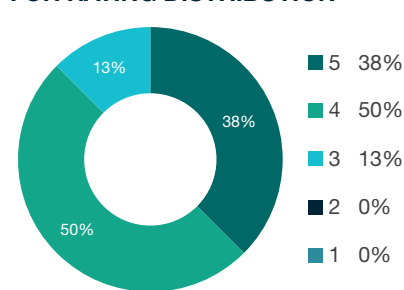
Indicator	No.
Research outputs	1,028.4
Research income	\$42,539,449
FTEs	92.9
Esteem count	4.9
Patents	7.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	3
4	4
3	1
2	0
1	0
Total	8

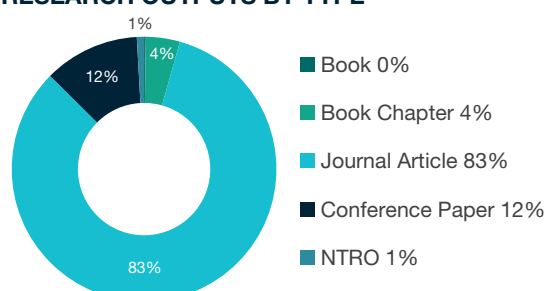
FOR RATING DISTRIBUTION



0706 Horticultural Production

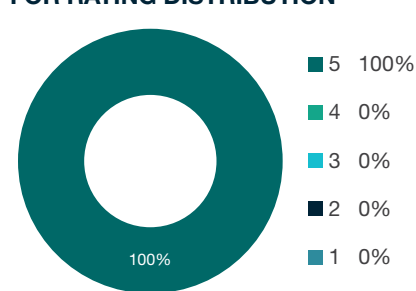
Indicator	No.
Research outputs	994.7
Research income	\$32,820,142
FTEs	103.4
Esteem count	1.0
Patents	0.0
Research commercialisation income	\$223,110

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	4
4	0
3	0
2	0
1	0
Total	4

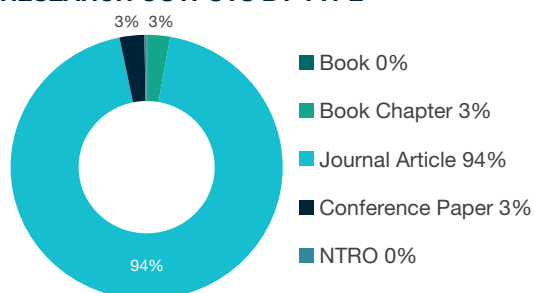
FOR RATING DISTRIBUTION



0707 Veterinary Sciences

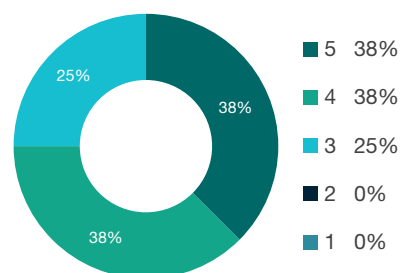
Indicator	No.
Research outputs	2,424.9
Research income	\$50,162,175
FTEs	294.8
Esteem count	5.9
Patents	5.0
Research commercialisation income	\$399,685

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	3
4	3
3	2
2	0
1	0
Total	8

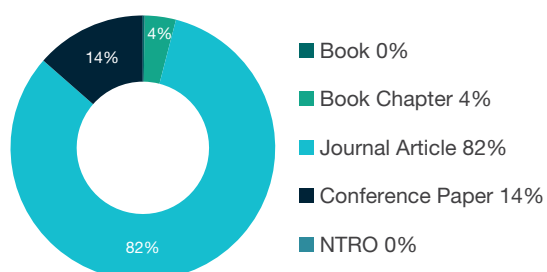
FOR RATING DISTRIBUTION



0799 Other Agricultural and Veterinary Sciences

Indicator	No.
Research outputs	452.9
Research income	\$1,473,605
FTEs	103.3
Esteem count	0.0
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 0799.

08 INFORMATION AND COMPUTING SCIENCES

Information and Computing Sciences is comprised of the following four-digit codes:

0801 Artificial Intelligence and Image Processing

0802 Computation Theory and Mathematics

0803 Computer Software

0804 Data Format

0805 Distributed Computing

0806 Information Systems

0807 Library and Information Studies

0899 Other Information and Computing Sciences

9 out of 34 two-digit UoEs and
45 out of 93 four-digit UoEs
assessed were rated above
world standard

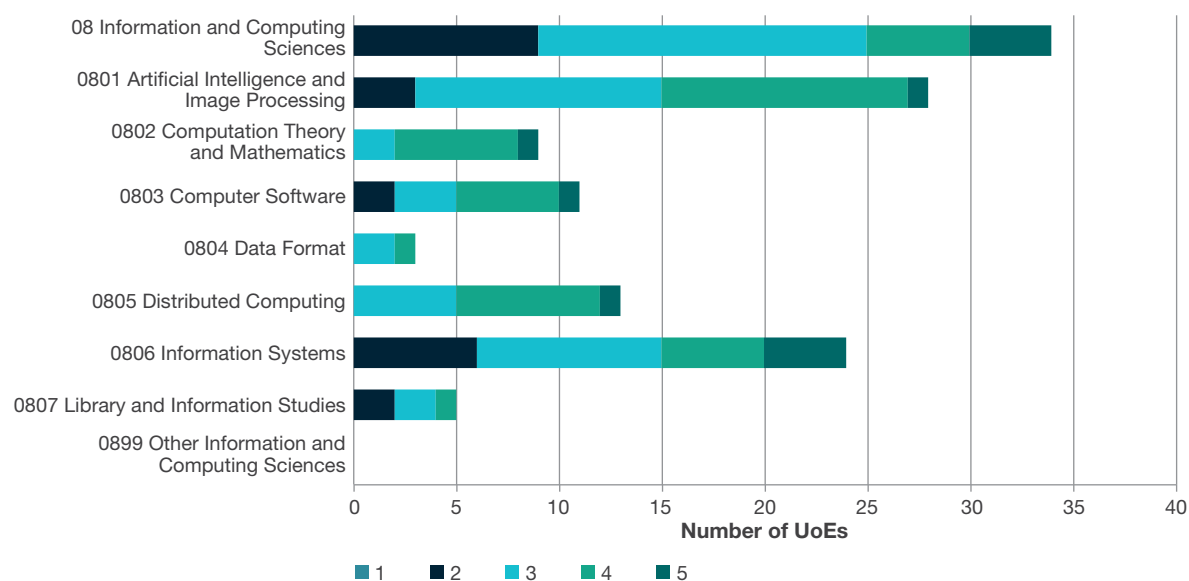
FoR Overview

Information and Computing Sciences (08) accounted for approximately six per cent of the research outputs submitted to ERA 2015. Conference papers were the most common research output type (61 per cent). Artificial Intelligence and Image Processing (0801) contributed the highest amount of research outputs, research income, staff FTE and research commercialisation income.

Indicator	No.
Research outputs	24,856.6
Research income	\$248,350,121
FTEs	1,749.6
Esteem count	89.1
Patents	52.9
Research commercialisation income	\$6,716,113

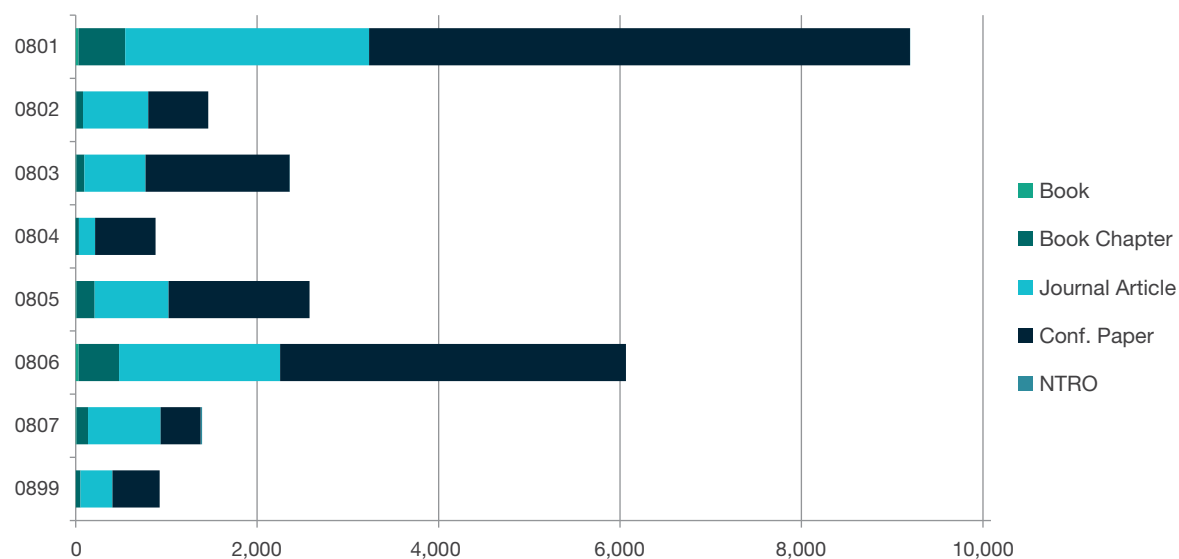
Rating	Distribution	
	Two-digit	Four-digit
5	4	8
4	5	37
3	16	35
2	9	13
1	0	0
Total	34	93

NUMBER OF UOES PER RATING SCALE SCORE



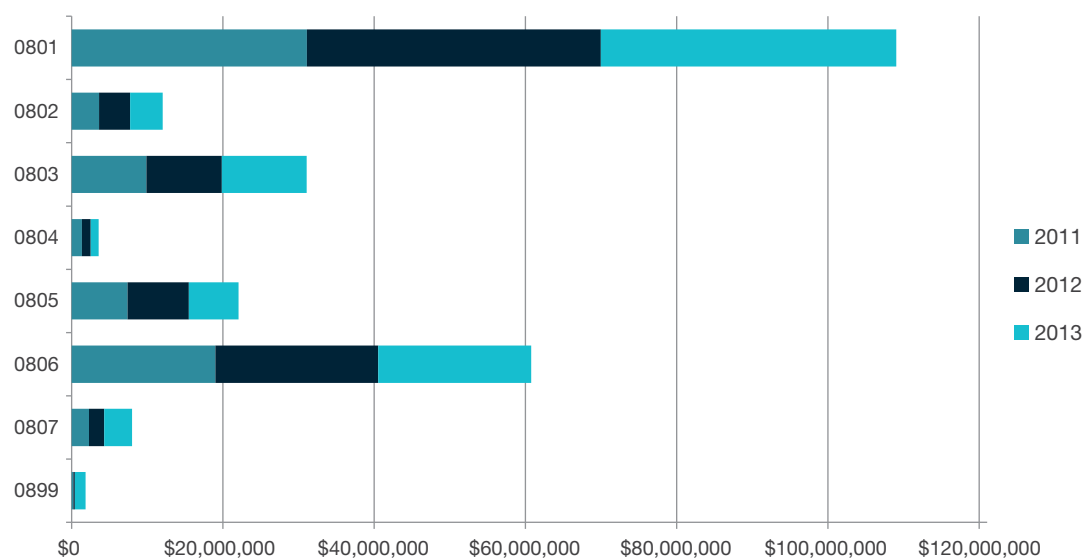
Note: 08 Information and Computing Sciences shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



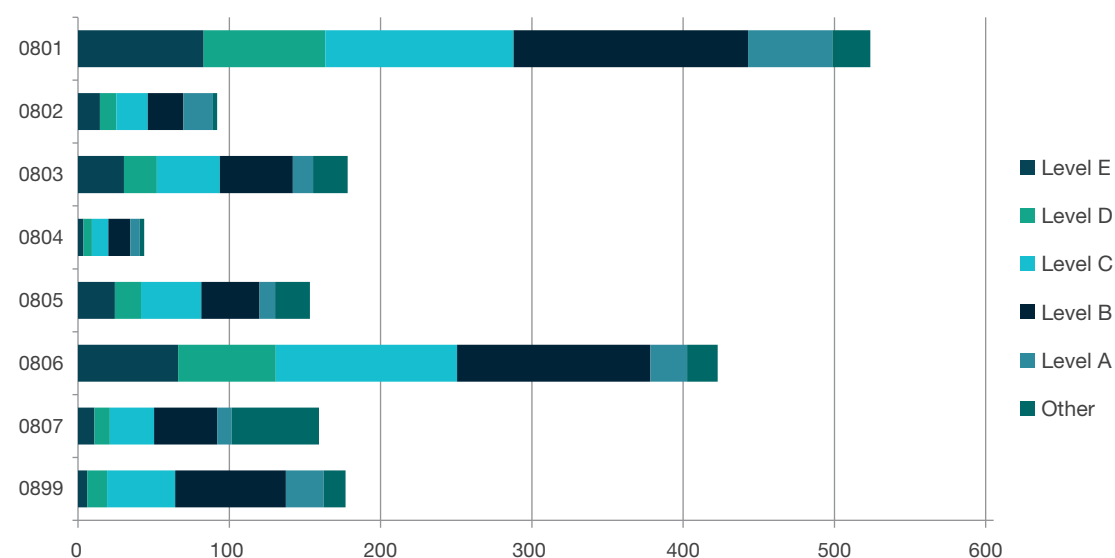
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
0801 Artificial Intelligence and Image Processing	30.0	516.2	2,688.7	5,960.0	1.0	9,196.0
0802 Computation Theory and Mathematics	4.5	76.1	719.9	659.8	0.0	1,460.2
0803 Computer Software	6.4	90.0	672.7	1,589.8	1.0	2,359.9
0804 Data Format	1.0	33.8	178.1	666.6	0.0	879.4
0805 Distributed Computing	10.6	198.8	812.8	1,556.2	0.0	2,578.3
0806 Information Systems	32.3	445.6	1,775.3	3,811.1	0.0	6,064.2
0807 Library and Information Studies	10.0	126.1	800.2	441.5	15.6	1,393.4
0899 Other Information and Computing Sciences	2.8	50.6	351.4	520.5	0.0	925.3
Total	97.5	1,537.0	7,999.0	15,205.4	17.6	24,856.6

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)



FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0801 Artificial Intelligence and Image Processing	31,095,550	38,873,530	39,069,848	109,038,927
0802 Computation Theory and Mathematics	3,634,307	4,090,929	4,321,807	12,047,043
0803 Computer Software	9,868,429	9,973,277	11,221,611	31,063,317
0804 Data Format	1,346,233	1,156,121	1,056,168	3,558,521
0805 Distributed Computing	7,394,370	8,086,546	6,579,883	22,060,799
0806 Information Systems	19,009,474	21,533,362	20,225,102	60,767,939
0807 Library and Information Studies	2,276,724	2,031,957	3,661,454	7,970,135
0899 Other Information and Computing Sciences	222,322	204,277	1,416,841	1,843,439
Total	74,847,407	85,950,000	87,552,713	248,350,121

STAFFING PROFILE BY ACADEMIC LEVEL

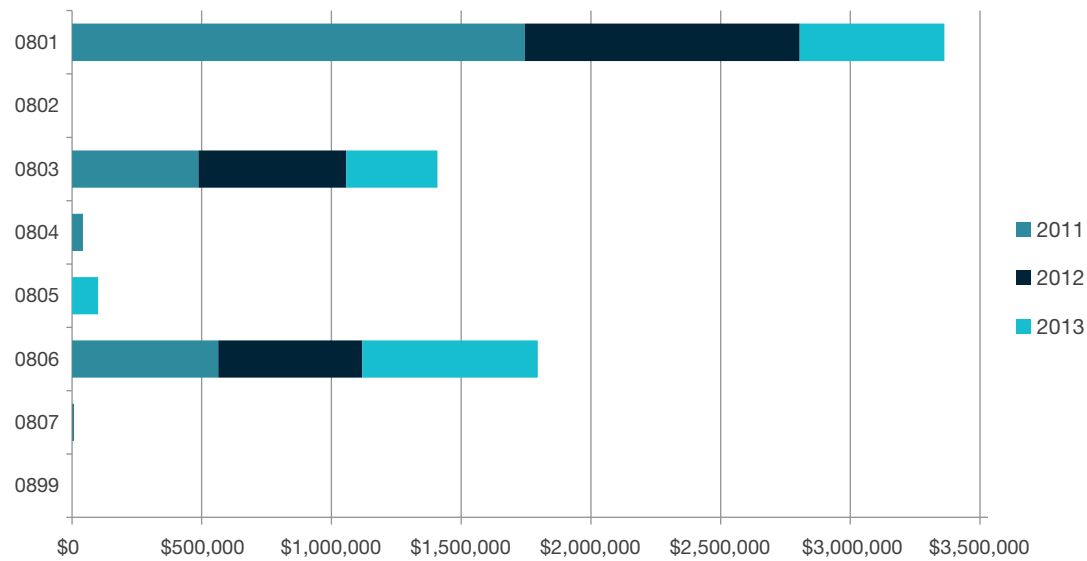


FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
0801 Artificial Intelligence and Image Processing	83.0	80.5	124.4	155.1	55.7	25.1	523.7
0802 Computation Theory and Mathematics	14.4	10.9	20.8	23.6	19.4	2.9	92.0
0803 Computer Software	30.3	21.8	41.6	48.3	13.4	22.7	178.1
0804 Data Format	3.5	5.7	10.8	14.5	6.2	3.0	43.7
0805 Distributed Computing	24.3	17.3	39.8	38.5	10.4	23.0	153.3
0806 Information Systems	66.1	64.5	119.9	127.7	24.4	20.2	422.8
0807 Library and Information Studies	10.9	10.1	29.3	41.6	9.6	57.7	159.2
0899 Other Information and Computing Sciences	6.1	13.1	44.9	73.3	24.9	14.6	176.9
Total	238.6	223.8	431.6	522.5	164.0	169.1	1,749.6

PATENT PROFILE

FoR code	Australia	USA	Europe	Japan	Other International	Triadic	Total
0801 Artificial Intelligence and Image Processing	7.0	16.6	1.6	0.0	3.7	0.0	28.8
0802 Computation Theory and Mathematics	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0803 Computer Software	0.0	0.0	0.0	0.0	0.5	0.0	0.5
0804 Data Format	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0805 Distributed Computing	3.0	2.1	0.0	0.0	1.0	0.0	6.1
0806 Information Systems	0.2	17.2	0.0	0.0	0.0	0.0	17.4
0807 Library and Information Studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0899 Other Information and Computing Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	10.2	35.9	1.6	0.0	5.2	0.0	52.9

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)

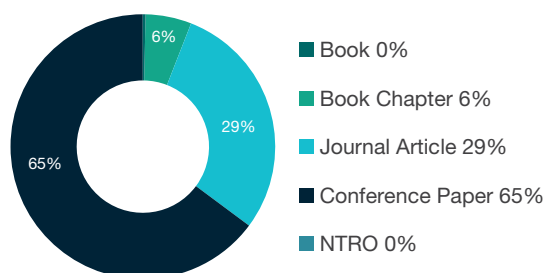


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0801 Artificial Intelligence and Image Processing	1,744,872	1,059,569	557,767	3,362,209
0802 Computation Theory and Mathematics	0	0	0	0
0803 Computer Software	487,428	570,339	350,963	1,408,730
0804 Data Format	42,493	0	0	42,493
0805 Distributed Computing	0	0	100,757	100,757
0806 Information Systems	563,548	555,500	676,389	1,795,437
0807 Library and Information Studies	3,974	2,514	0	6,488
0899 Other Information and Computing Sciences	0	0	0	0
Total	2,842,314	2,187,922	1,685,877	6,716,113

0801 Artificial Intelligence and Image Processing

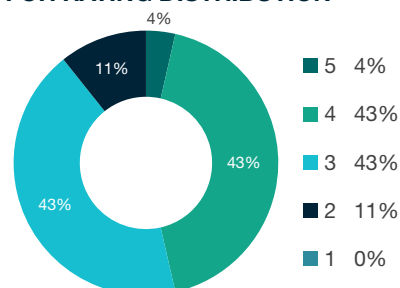
Indicator	No.
Research outputs	9,196.0
Research income	\$109,038,927
FTEs	523.7
Esteem count	41.0
Patents	28.8
Research commercialisation income	\$3,362,209

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	12
3	12
2	3
1	0
Total	28

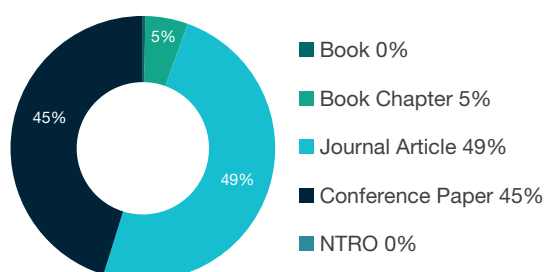
FOR RATING DISTRIBUTION



0802 Computation Theory and Mathematics

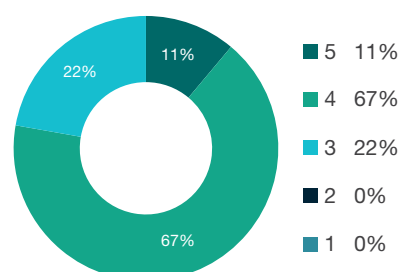
Indicator	No.
Research outputs	1,460.2
Research income	\$12,047,043
FTEs	92.0
Esteem count	11.5
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	6
3	2
2	0
1	0
Total	9

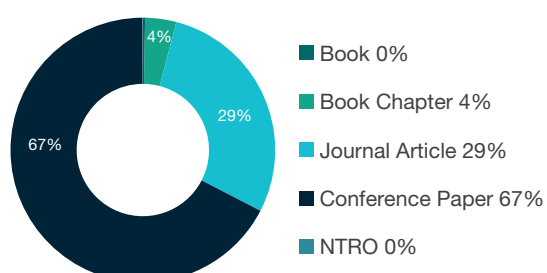
FOR RATING DISTRIBUTION



0803 Computer Software

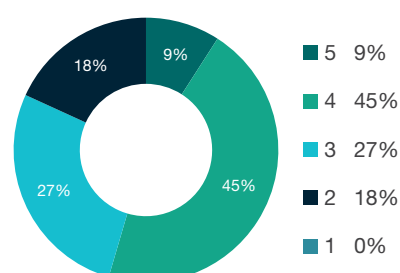
Indicator	No.
Research outputs	2,359.9
Research income	\$31,063,317
FTEs	178.1
Esteem count	4.6
Patents	0.5
Research commercialisation income	\$1,408,730

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	5
3	3
2	2
1	0
Total	11

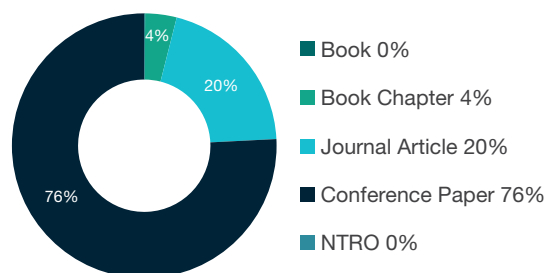
FOR RATING DISTRIBUTION



0804 Data Format

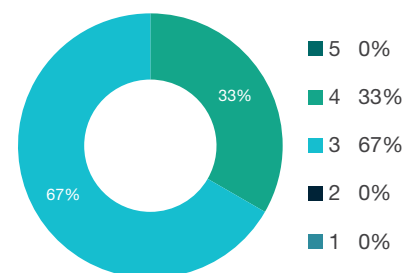
Indicator	No.
Research outputs	879.4
Research income	\$3,558,521
FTEs	43.7
Esteem count	1.0
Patents	0.0
Research commercialisation income	\$42,493

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	1
3	2
2	0
1	0
Total	3

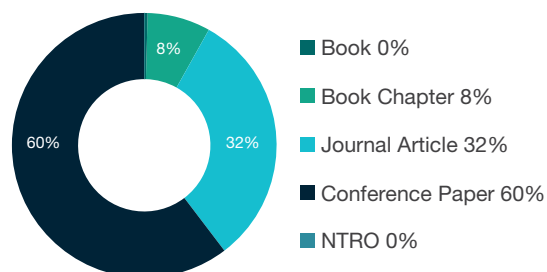
FOR RATING DISTRIBUTION



0805 Distributed Computing

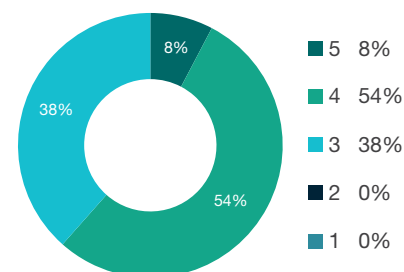
Indicator	No.
Research outputs	2,578.3
Research income	\$22,060,799
FTEs	153.3
Esteem count	3.8
Patents	6.1
Research commercialisation income	\$100,757

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	7
3	5
2	0
1	0
Total	13

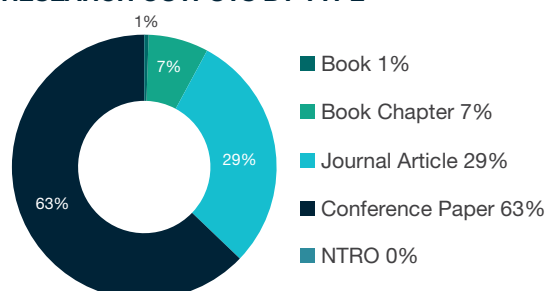
FOR RATING DISTRIBUTION



0806 Information Systems

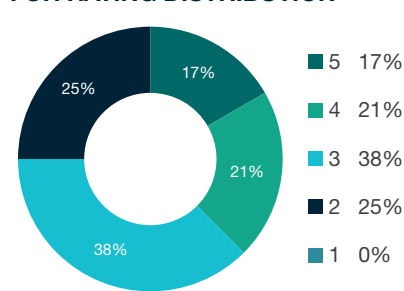
Indicator	No.
Research outputs	6,064.2
Research income	\$60,767,939
FTEs	422.8
Esteem count	26.0
Patents	17.4
Research commercialisation income	\$1,795,437

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	4
4	5
3	9
2	6
1	0
Total	24

FOR RATING DISTRIBUTION

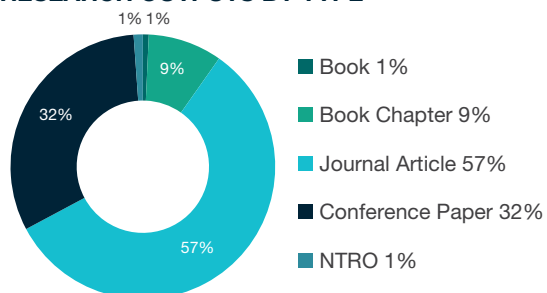


0807 Library and Information Studies

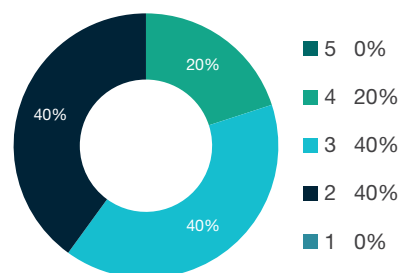
Indicator	No.
Research outputs	1,393.4
Research income	\$7,970,135
FTEs	159.2
Esteem count	1.2
Patents	0.0
Research commercialisation income	\$6,488

Rating	Distribution
5	0
4	1
3	2
2	2
1	0
Total	5

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION

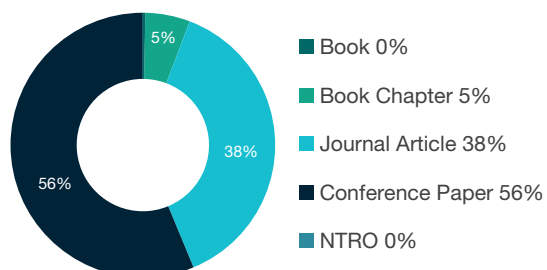


0899 Other Information and Computing Sciences

Indicator	No.
Research outputs	925.3
Research income	\$1,843,439
FTEs	176.9
Esteem count	0.0
Patents	0.0
Research commercialisation income	\$0

Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 0899.

09 ENGINEERING

Engineering is comprised of the following four-digit codes:

0901 Aerospace Engineering

0902 Automotive Engineering

0903 Biomedical Engineering

0904 Chemical Engineering

0905 Civil Engineering

0906 Electrical and Electronic Engineering

0907 Environmental Engineering

0908 Food Sciences

0909 Geomatic Engineering

0910 Manufacturing Engineering

0911 Maritime Engineering

0912 Materials Engineering

0913 Mechanical Engineering

0914 Resources Engineering and Extractive Metallurgy

0915 Interdisciplinary Engineering

0999 Other Engineering

**19 out of 34 two-digit UoEs and
110 out of 143 four-digit UoEs
assessed were rated above
world standard**

FoR Overview

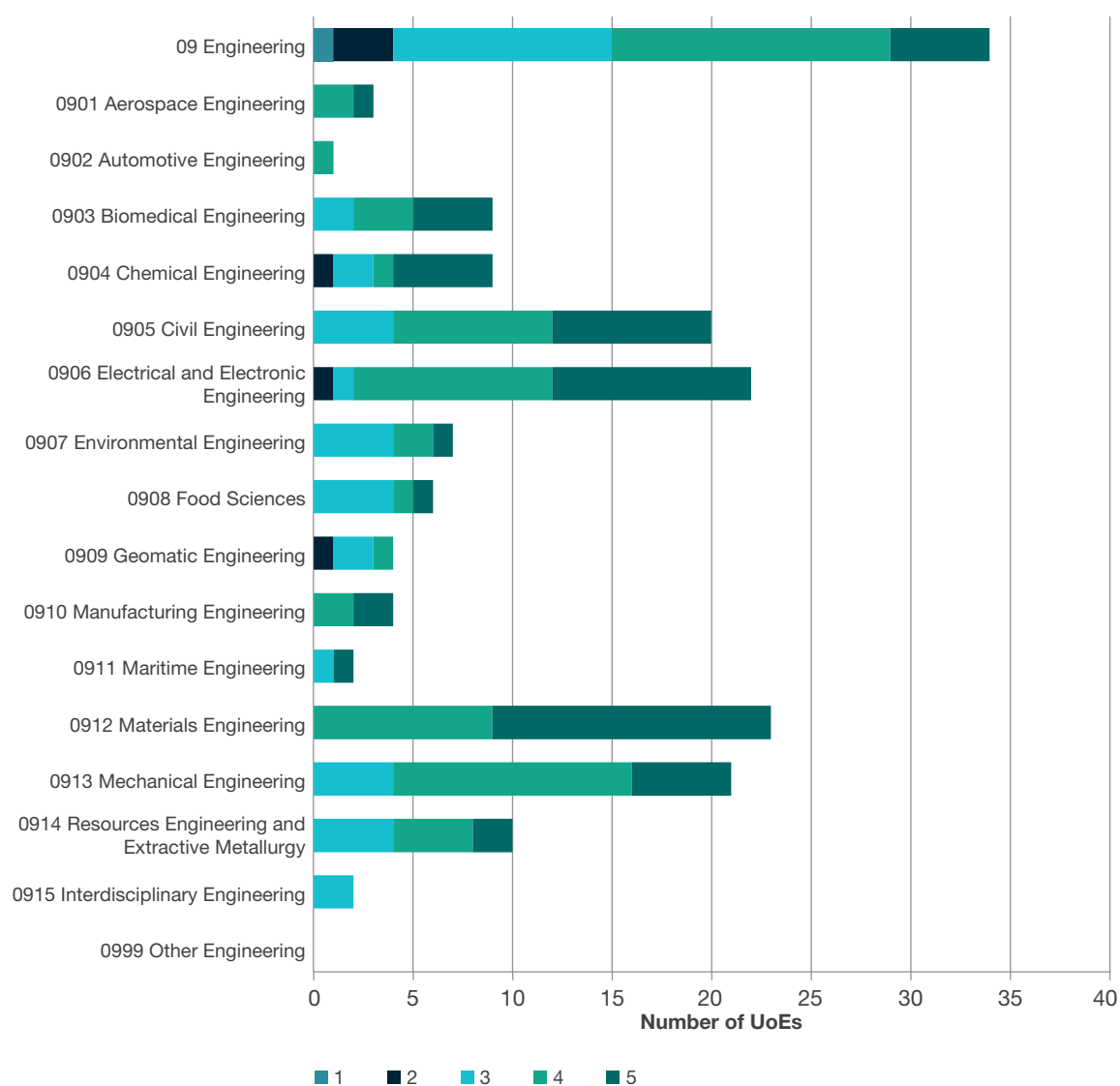
Engineering (09) accounted for approximately 13 per cent of the research outputs submitted to ERA 2015.

Approximately 31 per cent of the patents submitted to ERA 2015 were in Engineering. While journal articles were the predominant research output type (57 per cent), a large proportion of conference publications were also submitted to Engineering codes (39 per cent). Electrical and Electronic Engineering (0906) was the largest sub-discipline in terms of research outputs, staffing, research income, patents and research commercialisation income.

Indicator	No.
Research outputs	57,124.6
Research income	\$1,085,215,725
FTEs	3,711.3
Esteem count	312.9
Patents	293.3
Research commercialisation income	\$15,873,506

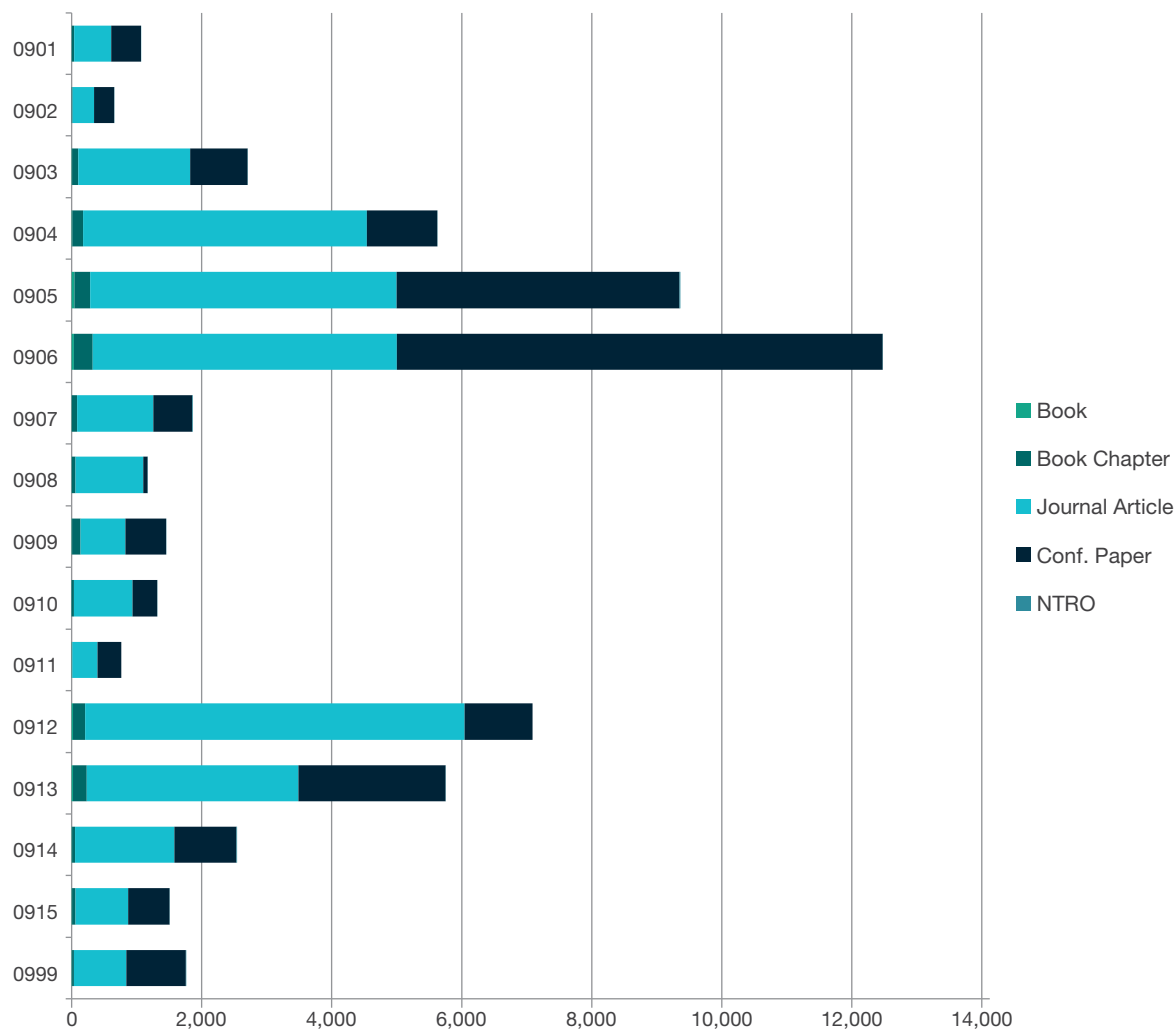
Rating	Distribution	
	Two-digit	Four-digit
5	5	54
4	14	56
3	11	30
2	3	3
1	1	0
Total	34	143

NUMBER OF UOES PER RATING SCALE SCORE



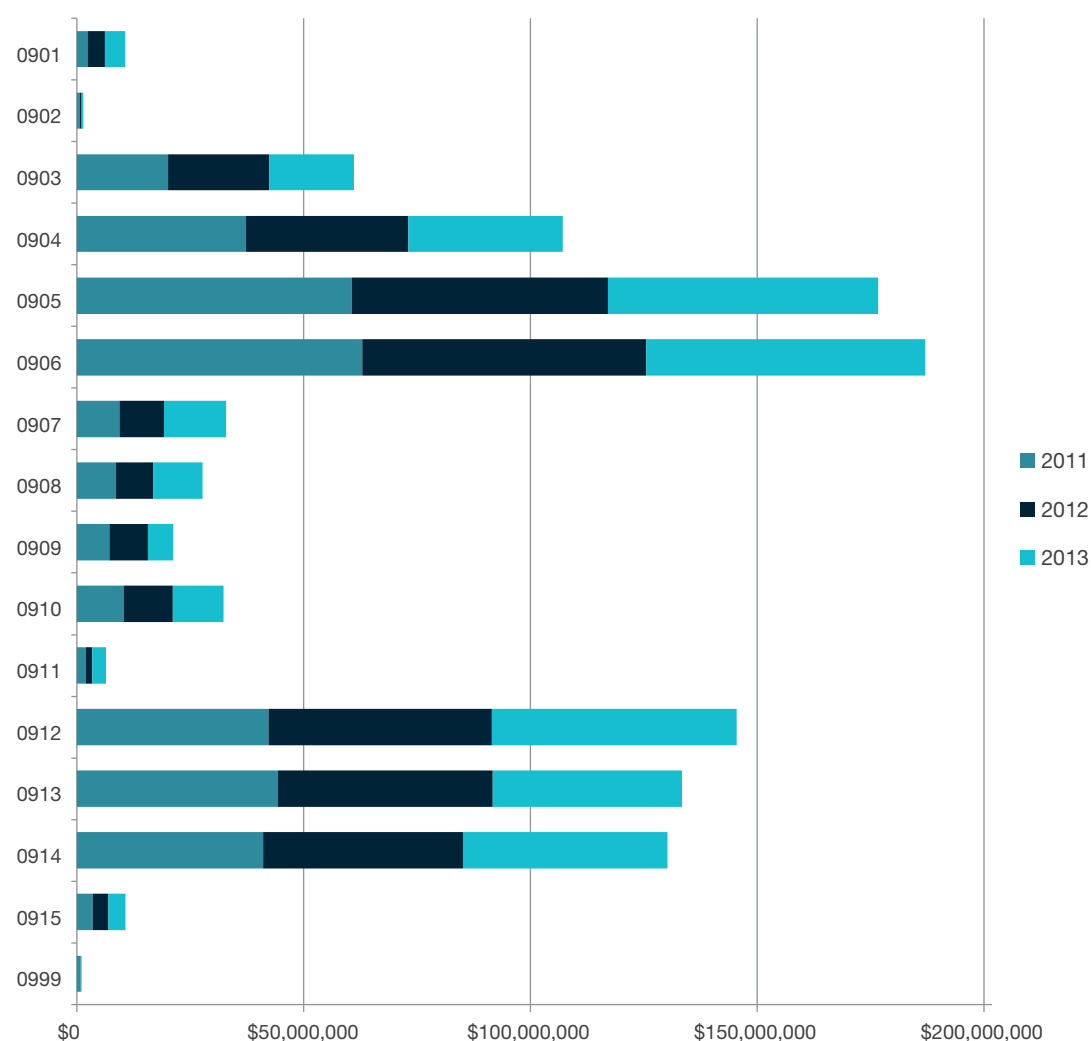
Note: 09 Engineering shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



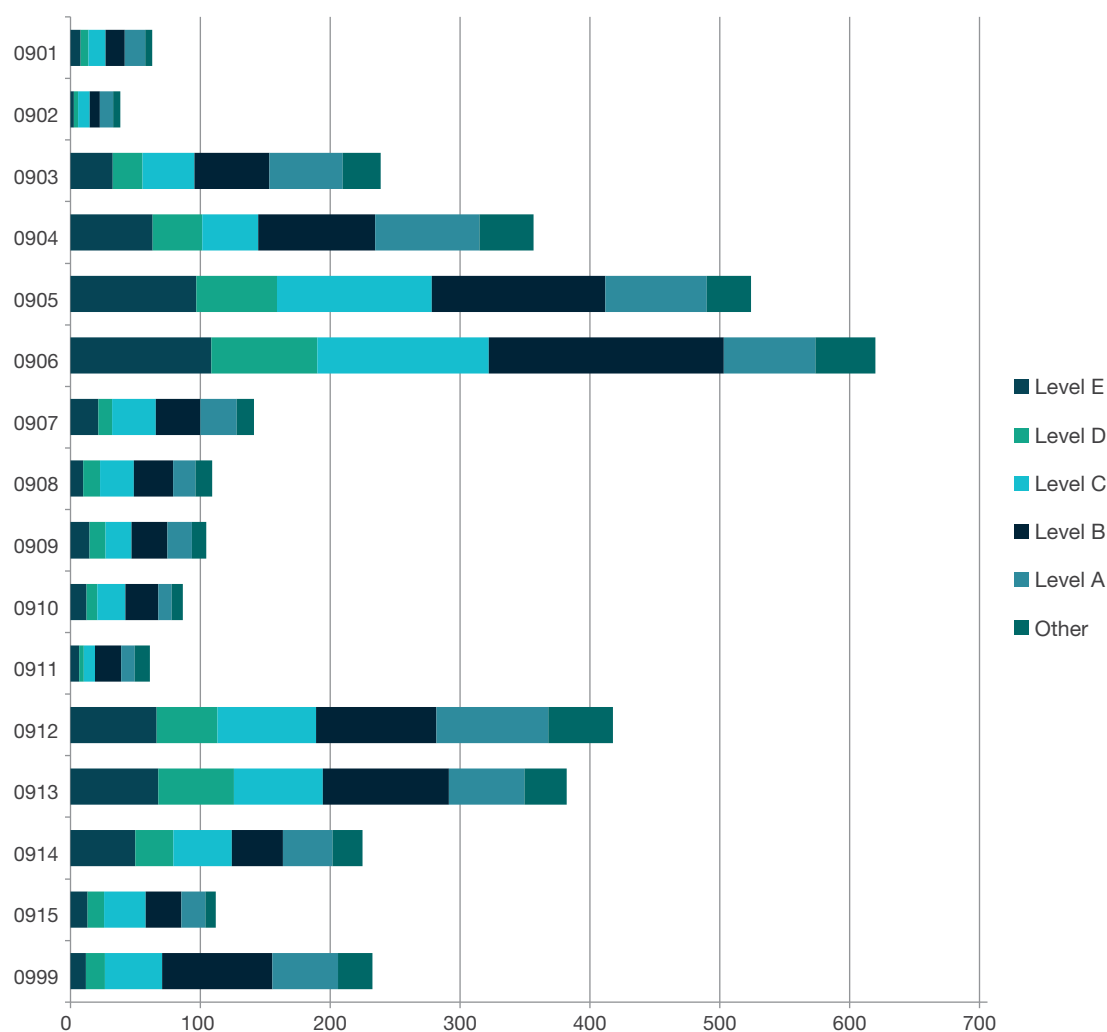
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
0901 Aerospace Engineering	2.7	34.0	572.3	456.3	1.0	1,066.1
0902 Automotive Engineering	0.0	12.4	329.9	310.4	2.4	655.1
0903 Biomedical Engineering	4.3	98.3	1,718.8	884.6	1.0	2,707.1
0904 Chemical Engineering	8.0	166.6	4,365.2	1,083.8	4.0	5,627.6
0905 Civil Engineering	42.6	242.5	4,711.5	4,353.2	14.1	9,363.9
0906 Electrical and Electronic Engineering	35.6	286.6	4,680.6	7,474.5	3.7	12,481.1
0907 Environmental Engineering	4.1	81.0	1,171.0	597.8	9.9	1,863.8
0908 Food Sciences	2.3	55.1	1,044.8	67.3	3.2	1,172.6
0909 Geomatic Engineering	5.0	132.7	687.5	627.0	2.0	1,454.2
0910 Manufacturing Engineering	0.2	33.8	900.2	380.5	1.0	1,315.8
0911 Maritime Engineering	2.3	7.8	385.7	366.5	0.0	762.3
0912 Materials Engineering	19.6	185.8	5,839.2	1,043.1	0.0	7,087.7
0913 Mechanical Engineering	20.4	209.8	3,258.9	2,262.9	0.9	5,752.9
0914 Resources Engineering and Extractive Metallurgy	6.6	44.4	1,528.3	953.0	12.1	2,544.4
0915 Interdisciplinary Engineering	4.3	56.0	807.6	637.3	1.0	1,506.3
0999 Other Engineering	5.3	29.5	804.4	917.7	6.8	1,763.8
Total	163.3	1,676.3	32,805.8	22,416.1	63.1	57,124.6

RESEARCH INCOME BY YEAR-ALL CATEGORIES (\$)



FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0901 Aerospace Engineering	2,328,930	3,821,844	4,513,345	10,664,120
0902 Automotive Engineering	568,523	431,492	374,871	1,374,886
0903 Biomedical Engineering	20,076,910	22,292,552	18,700,219	61,069,681
0904 Chemical Engineering	37,301,339	35,778,555	34,041,774	107,121,668
0905 Civil Engineering	60,630,245	56,432,844	59,621,407	176,684,496
0906 Electrical and Electronic Engineering	62,901,376	62,622,191	61,529,828	187,053,396
0907 Environmental Engineering	9,395,395	9,798,147	13,673,771	32,867,313
0908 Food Sciences	8,597,072	8,194,459	10,907,320	27,698,851
0909 Geomatic Engineering	7,161,295	8,502,892	5,549,118	21,213,305
0910 Manufacturing Engineering	10,369,106	10,744,396	11,210,556	32,324,058
0911 Maritime Engineering	1,934,589	1,434,795	3,013,620	6,383,005
0912 Materials Engineering	42,229,967	49,237,995	53,992,121	145,460,084
0913 Mechanical Engineering	44,290,556	47,411,916	41,704,440	133,406,912
0914 Resources Engineering and Extractive Metallurgy	41,042,708	44,063,125	45,103,929	130,209,762
0915 Interdisciplinary Engineering	3,473,593	3,427,627	3,779,701	10,680,921
0999 Other Engineering	585,661	198,608	218,999	1,003,268
Total	352,887,265	364,393,440	367,935,020	1,085,215,725

STAFFING PROFILE BY ACADEMIC LEVEL

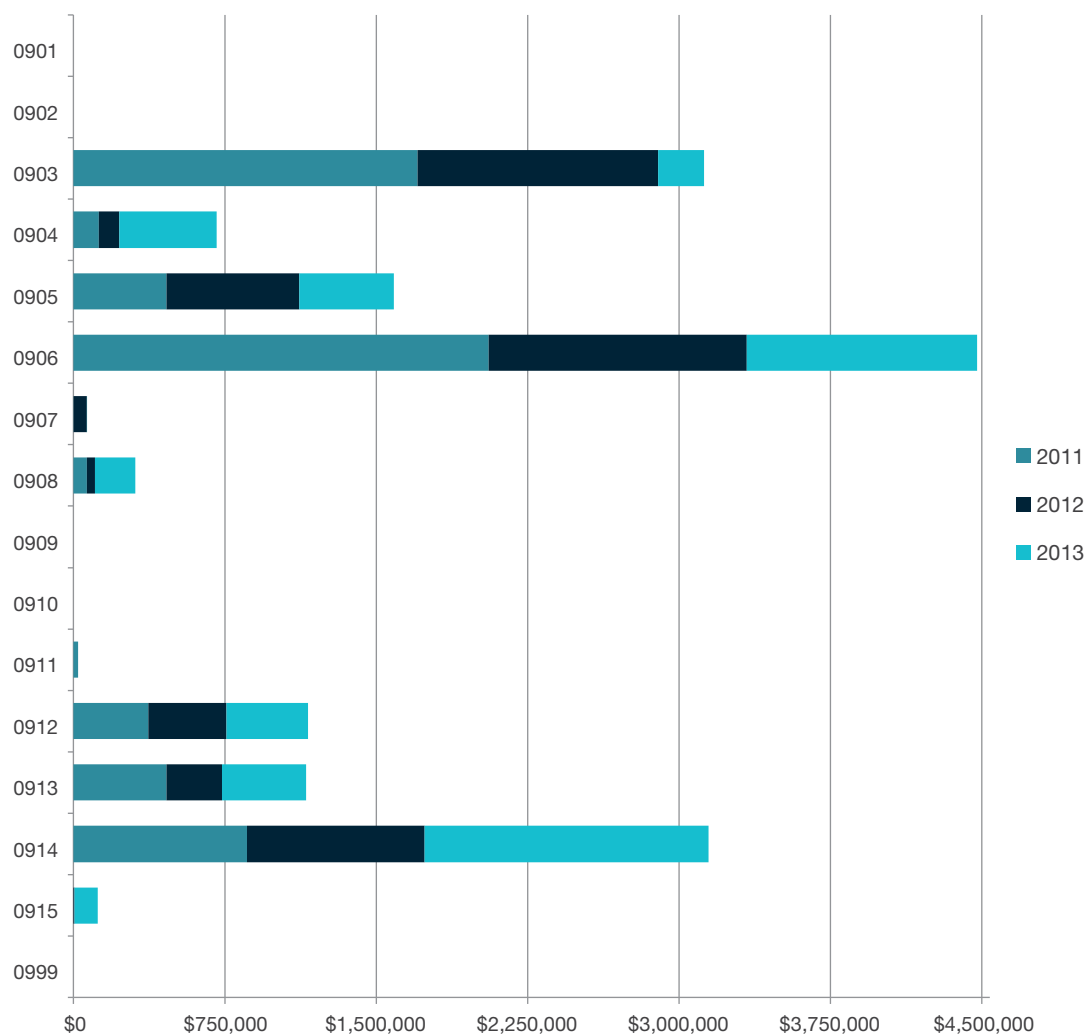


FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
0901 Aerospace Engineering	7.7	6.1	13.1	14.8	15.8	5.3	62.9
0902 Automotive Engineering	2.6	3.3	9.0	7.8	10.2	5.6	38.3
0903 Biomedical Engineering	32.5	22.9	40.0	57.7	56.4	29.2	238.7
0904 Chemical Engineering	63.2	38.2	43.0	90.0	80.4	41.7	356.6
0905 Civil Engineering	96.9	62.0	119.3	133.5	78.1	34.1	523.9
0906 Electrical and Electronic Engineering	108.4	81.6	132.1	181.0	70.6	46.2	619.8
0907 Environmental Engineering	21.4	10.7	33.7	34.2	28.0	13.4	141.2
0908 Food Sciences	9.6	13.0	26.1	30.2	17.2	12.9	109.0
0909 Geomatic Engineering	14.6	12.4	20.0	27.6	18.9	11.1	104.6
0910 Manufacturing Engineering	12.2	8.3	21.6	25.4	10.3	8.7	86.5
0911 Maritime Engineering	6.5	3.6	8.7	20.1	10.4	11.8	61.1
0912 Materials Engineering	66.3	46.9	75.8	92.8	86.1	49.8	417.7
0913 Mechanical Engineering	67.5	58.2	68.5	97.2	58.2	32.4	382.0
0914 Resources Engineering and Extractive Metallurgy	49.9	29.3	45.0	39.3	38.2	23.1	224.8
0915 Interdisciplinary Engineering	13.2	12.6	32.1	27.4	18.5	8.0	111.8
0999 Other Engineering	11.8	14.6	44.1	84.9	50.5	26.5	232.4
Total	584.2	423.6	732.1	963.8	647.7	359.9	3,711.3

PATENT PROFILE

FoR code	Australia	USA	Europe	Japan	Other International	Triadic	Total
0901 Aerospace Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0902 Automotive Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0903 Biomedical Engineering	5.9	9.4	3.5	3.3	5.9	0.0	28.0
0904 Chemical Engineering	11.9	10.1	5.8	6.0	25.6	0.0	59.4
0905 Civil Engineering	2.2	2.2	0.2	1.0	6.0	0.0	11.6
0906 Electrical and Electronic Engineering	6.5	32.6	6.7	1.5	30.3	0.0	77.7
0907 Environmental Engineering	2.0	1.0	0.0	0.0	0.4	0.0	3.4
0908 Food Sciences	0.0	1.0	0.0	0.0	1.0	0.0	2.0
0909 Geomatic Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0910 Manufacturing Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0911 Maritime Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0912 Materials Engineering	4.8	10.2	7.8	6.5	18.9	0.0	48.3
0913 Mechanical Engineering	9.0	2.5	1.0	0.0	6.5	0.0	19.0
0914 Resources Engineering and Extractive Metallurgy	8.0	9.0	1.0	1.0	24.0	0.0	43.0
0915 Interdisciplinary Engineering	1.0	0.0	0.0	0.0	0.0	0.0	1.0
0999 Other Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	51.3	78.1	26.1	19.3	118.5	0	293.3

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)

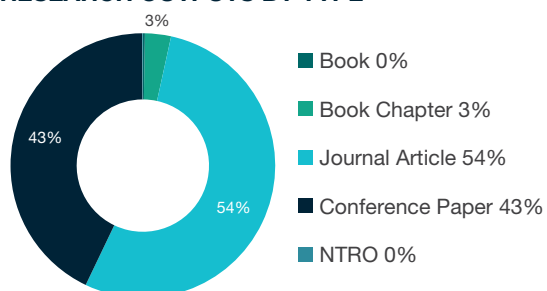


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
0901 Aerospace Engineering	0	0	0	0
0902 Automotive Engineering	0	0	0	0
0903 Biomedical Engineering	1,704,293	1,192,702	227,350	3,124,344
0904 Chemical Engineering	125,212	102,122	482,043	709,376
0905 Civil Engineering	460,714	657,506	468,661	1,586,881
0906 Electrical and Electronic Engineering	2,056,501	1,278,749	1,141,659	4,476,909
0907 Environmental Engineering	600	65,778	316	66,694
0908 Food Sciences	65,931	40,759	199,091	305,781
0909 Geomatic Engineering	0	0	0	0
0910 Manufacturing Engineering	0	0	0	0
0911 Maritime Engineering	22,730	0	0	22,730
0912 Materials Engineering	370,815	387,453	404,132	1,162,400
0913 Mechanical Engineering	461,024	274,311	416,880	1,152,215
0914 Resources Engineering and Extractive Metallurgy	859,002	880,657	1,406,542	3,146,202
0915 Interdisciplinary Engineering	0	4,994	114,980	119,974
0999 Other Engineering	0	0	0	0
Total	6,126,822	4,885,031	4,861,653	15,873,506

0901 Aerospace Engineering

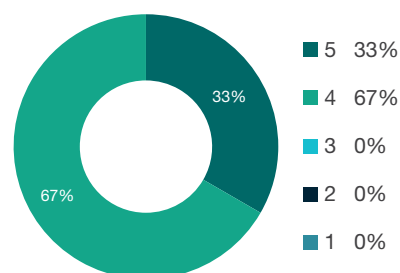
Indicator	No.
Research outputs	1,066.1
Research income	\$10,664,120
FTEs	62.9
Esteem count	0.5
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	2
3	0
2	0
1	0
Total	3

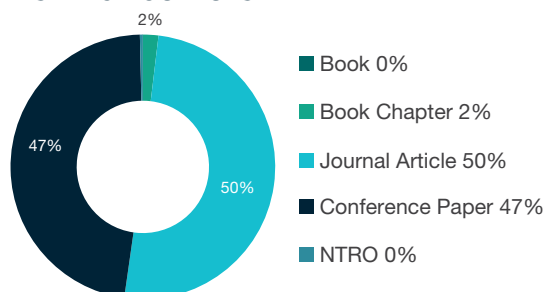
FOR RATING DISTRIBUTION



0902 Automotive Engineering

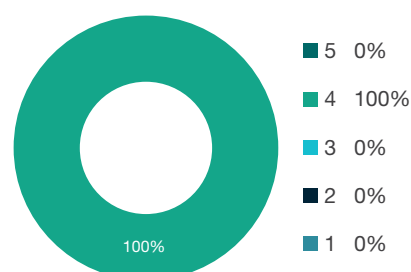
Indicator	No.
Research outputs	655.1
Research income	\$1,374,886
FTEs	38.3
Esteem count	2.5
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	1
3	0
2	0
1	0
Total	1

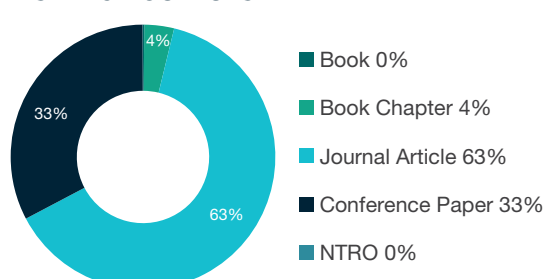
FOR RATING DISTRIBUTION



0903 Biomedical Engineering

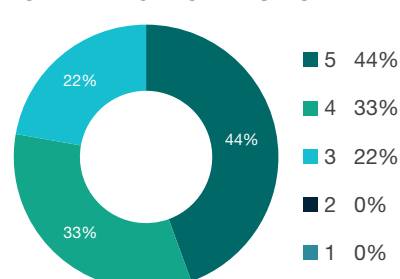
Indicator	No.
Research outputs	2,707.1
Research income	\$61,069,681
FTEs	238.7
Esteem count	27.0
Patents	28.0
Research commercialisation income	\$3,124,344

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	4
4	3
3	2
2	0
1	0
Total	9

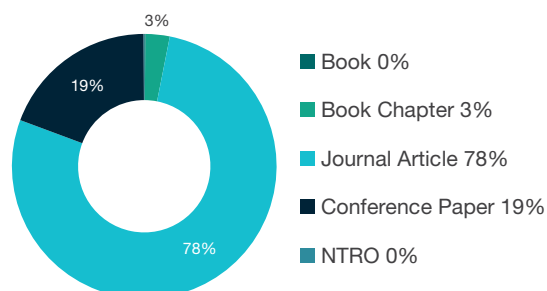
FOR RATING DISTRIBUTION



0904 Chemical Engineering

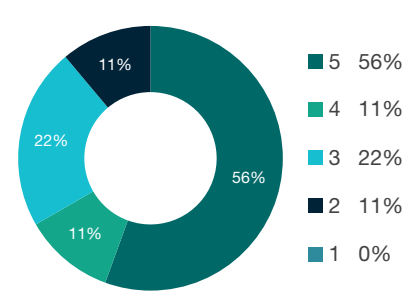
Indicator	No.
Research outputs	5,627.6
Research income	\$107,121,668
FTEs	356.6
Esteem count	50.8
Patents	59.4
Research commercialisation income	\$709,376

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	5
4	1
3	2
2	1
1	0
Total	9

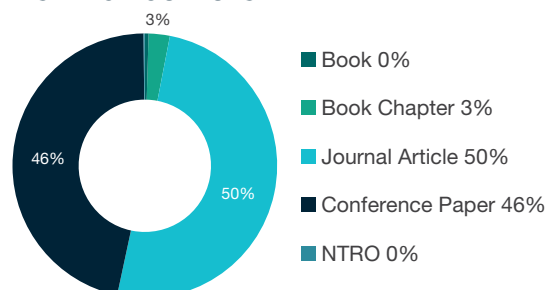
FOR RATING DISTRIBUTION



0905 Civil Engineering

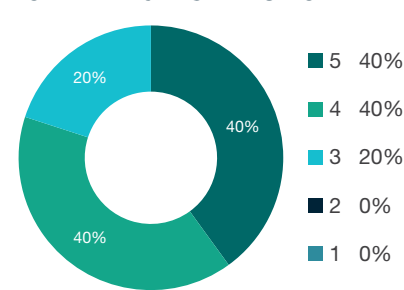
Indicator	No.
Research outputs	9,363.9
Research income	\$176,684,496
FTEs	523.9
Esteem count	40.1
Patents	11.6
Research commercialisation income	\$1,586,881

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	8
4	8
3	4
2	0
1	0
Total	20

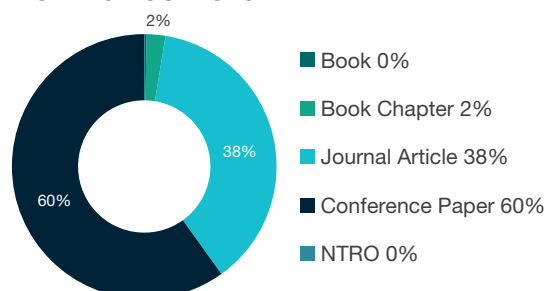
FOR RATING DISTRIBUTION



0906 Electrical and Electronic Engineering

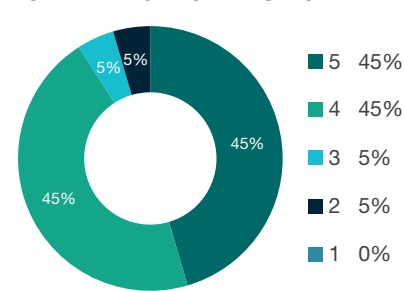
Indicator	No.
Research outputs	12,481.1
Research income	\$187,053,396
FTEs	619.8
Esteem count	61.9
Patents	77.7
Research commercialisation income	\$4,476,909

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	10
4	10
3	1
2	1
1	0
Total	22

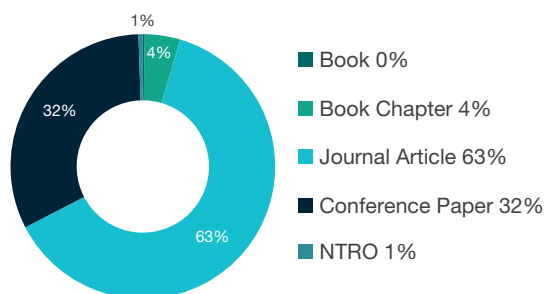
FOR RATING DISTRIBUTION



0907 Environmental Engineering

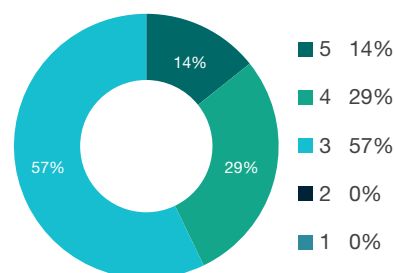
Indicator	No.
Research outputs	1,863.8
Research income	\$32,867,313
FTEs	141.2
Esteem count	5.9
Patents	3.4
Research commercialisation income	\$66,694

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	2
3	4
2	0
1	0
Total	7

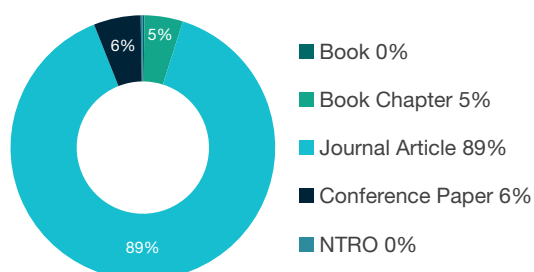
FOR RATING DISTRIBUTION



0908 Food Sciences

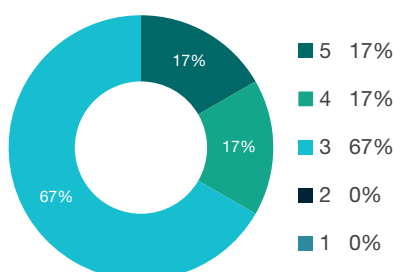
Indicator	No.
Research outputs	1,172.6
Research income	\$27,698,851
FTEs	109.0
Esteem count	0.5
Patents	2.0
Research commercialisation income	\$305,781

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	1
3	4
2	0
1	0
Total	6

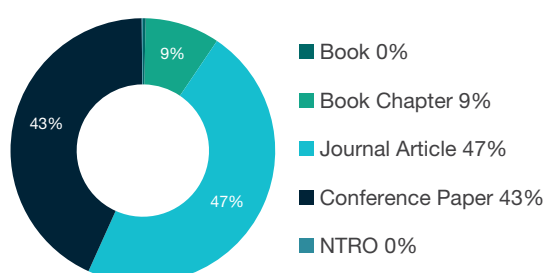
FOR RATING DISTRIBUTION



0909 Geomatic Engineering

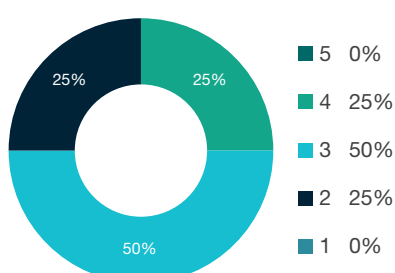
Indicator	No.
Research outputs	1,454.2
Research income	\$21,213,305
FTEs	104.6
Esteem count	4.6
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	1
3	2
2	1
1	0
Total	4

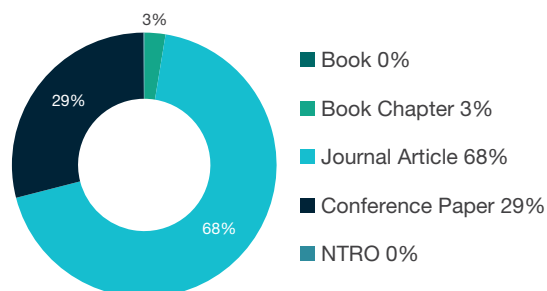
FOR RATING DISTRIBUTION



0910 Manufacturing Engineering

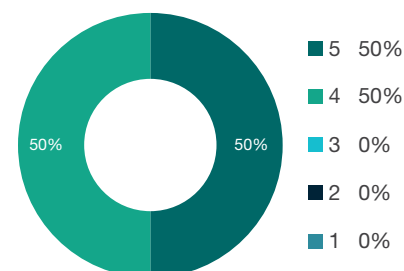
Indicator	No.
Research outputs	1,315.8
Research income	\$32,324,058
FTEs	86.5
Esteem count	4.3
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	2
3	0
2	0
1	0
Total	4

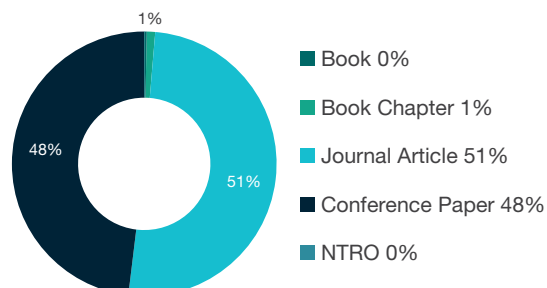
FOR RATING DISTRIBUTION



0911 Maritime Engineering

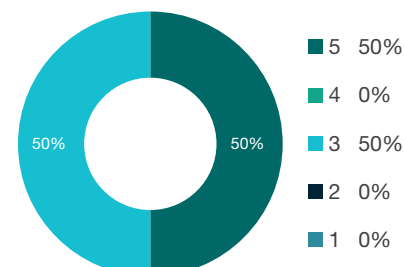
Indicator	No.
Research outputs	762.3
Research income	\$6,383,005
FTEs	61.1
Esteem count	0.2
Patents	0.0
Research commercialisation income	\$22,730

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	0
3	1
2	0
1	0
Total	2

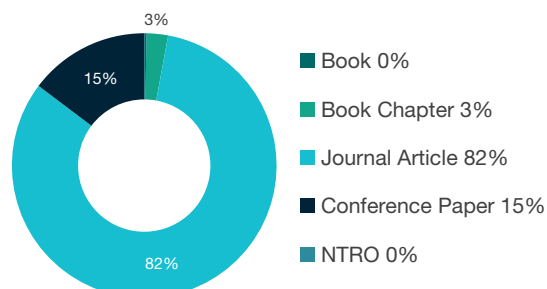
FOR RATING DISTRIBUTION



0912 Materials Engineering

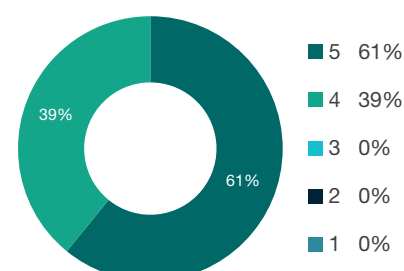
Indicator	No.
Research outputs	7,087.7
Research income	\$145,460,084
FTEs	417.7
Esteem count	60.1
Patents	48.3
Research commercialisation income	\$1,162,400

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	14
4	9
3	0
2	0
1	0
Total	23

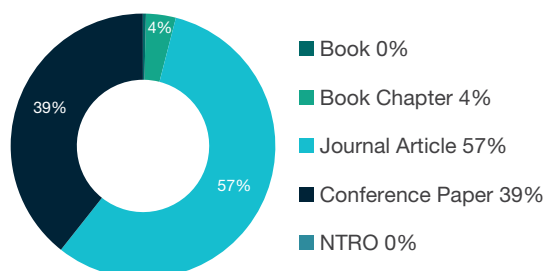
FOR RATING DISTRIBUTION



0913 Mechanical Engineering

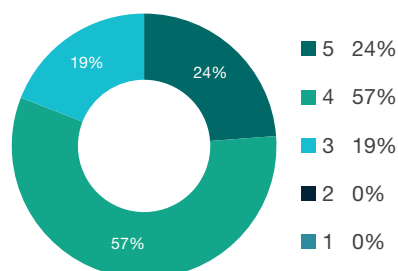
Indicator	No.
Research outputs	5,752.9
Research income	\$133,406,912
FTEs	382.0
Esteem count	30.4
Patents	19.0
Research commercialisation income	\$1,152,215

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	5
4	12
3	4
2	0
1	0
Total	21

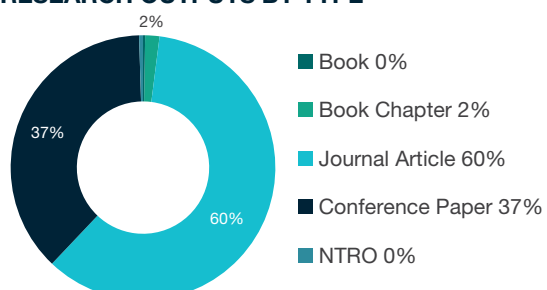
FOR RATING DISTRIBUTION



0914 Resources Engineering and Extractive Metallurgy

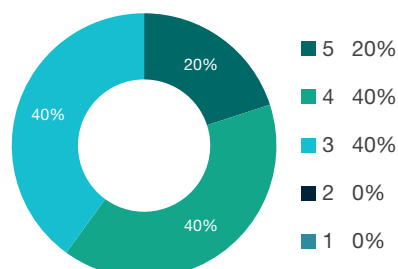
Indicator	No.
Research outputs	2,544.4
Research income	\$130,209,762
FTEs	224.8
Esteem count	21.7
Patents	43.0
Research commercialisation income	\$3,146,202

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	4
3	4
2	0
1	0
Total	10

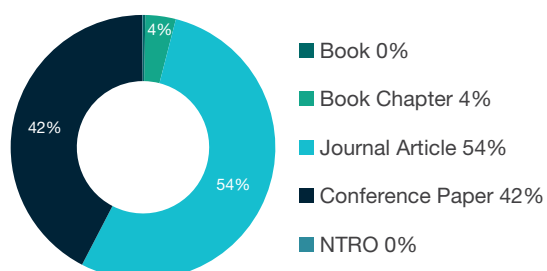
FOR RATING DISTRIBUTION



0915 Interdisciplinary Engineering

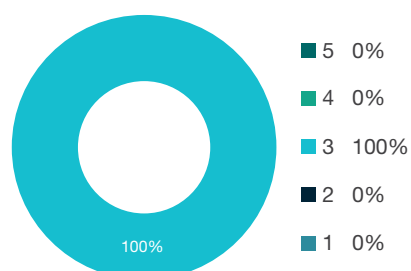
Indicator	No.
Research outputs	1,506.3
Research income	\$10,680,921
FTEs	111.8
Esteem count	2.3
Patents	1.0
Research commercialisation income	\$119,974

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	2
2	0
1	0
Total	2

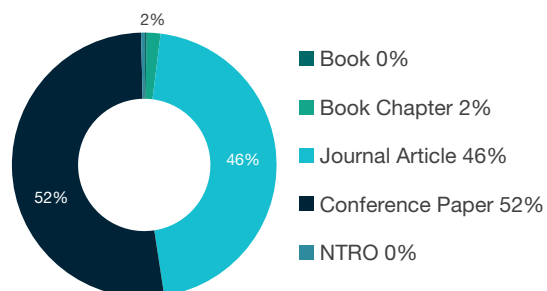
FOR RATING DISTRIBUTION



0999 Other Engineering

Indicator	No.
Research outputs	1,763.8
Research income	\$1,003,268
FTEs	232.4
Esteem count	0.0
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 0999.

10 TECHNOLOGY

Technology is comprised of the following four-digit codes:

1001 Agricultural Biotechnology

1002 Environmental Biotechnology

1003 Industrial Biotechnology

1004 Medical Biotechnology

1005 Communications Technologies

1006 Computer Hardware

1007 Nanotechnology

1099 Other Technology

**9 out of 11 two-digit UoEs and
19 out of 19 four-digit UoEs assessed
were rated above world standard**

FoR Overview

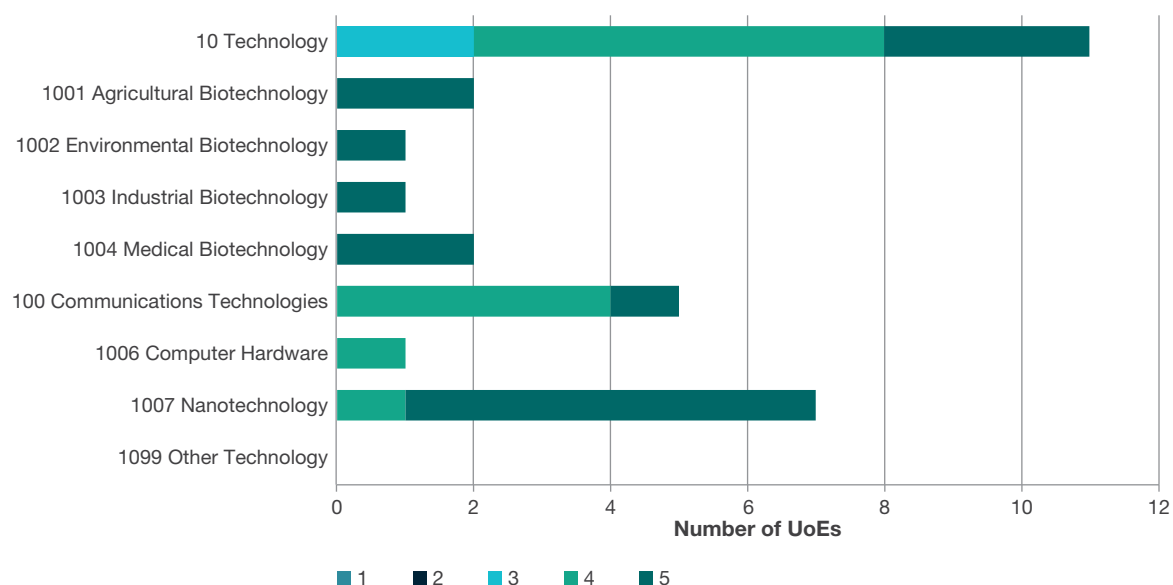
Technology (10) accounted for approximately one per cent of the research outputs submitted to ERA 2015.

Approximately five per cent of the patents submitted to ERA 2015 were from Technology. The most common research output types for Technology were journal articles (49 per cent), followed by conference papers (44 per cent). Communications Technologies (1005) and Other Technology (1099) were the two largest sub-disciplines in terms of research outputs, staff FTE and research income. Communications Technologies (1005) had the highest amount of research commercialisation income.

Indicator	No.
Research outputs	6,442.7
Research income	\$114,779,676
FTEs	670.5
Esteem count	42.0
Patents	48.3
Research commercialisation income	\$1,314,395

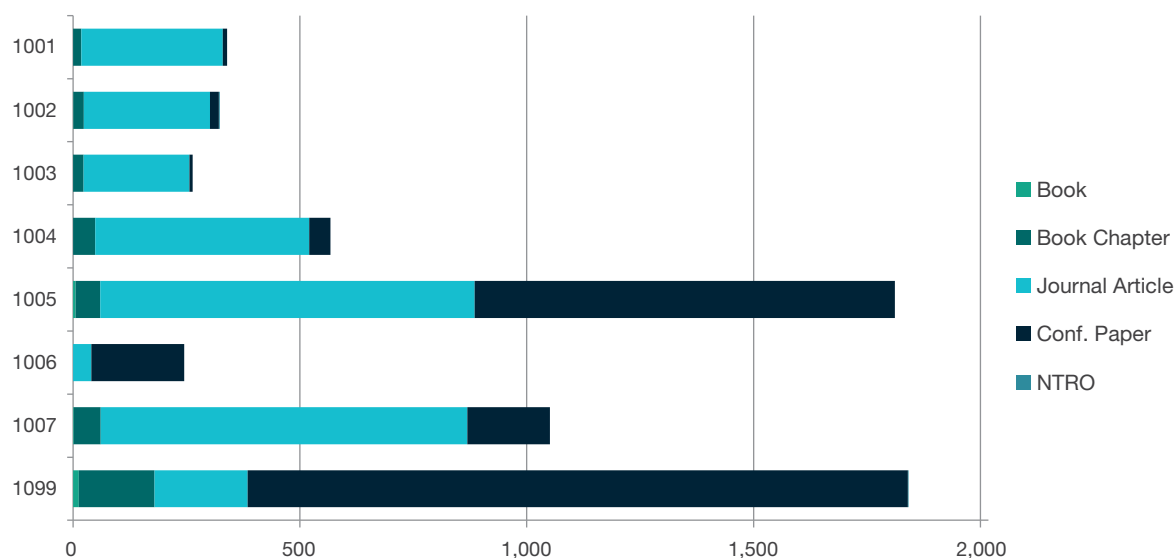
Rating	Distribution	
	Two-digit	Four-digit
5	3	13
4	6	6
3	2	0
2	0	0
1	0	0
Total	11	19

NUMBER OF UOES PER RATING SCALE SCORE



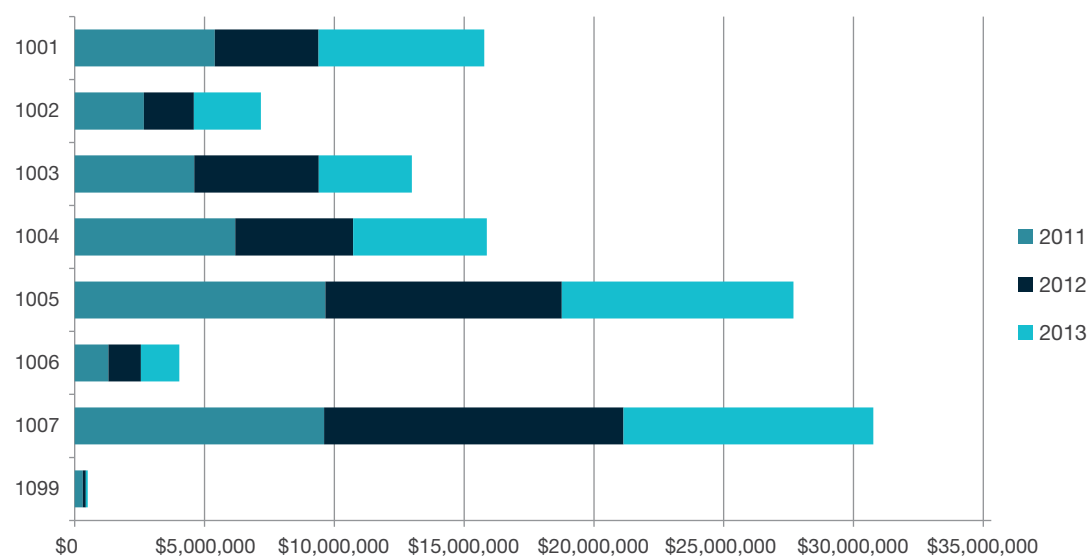
Note: 10 Technology shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



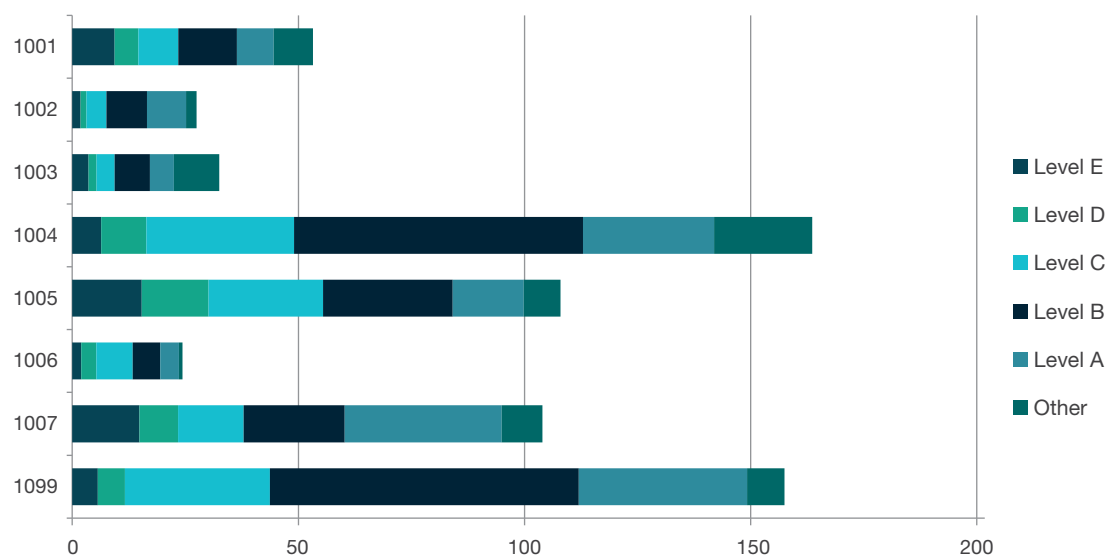
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
1001 Agricultural Biotechnology	0.0	18.2	311.7	9.6	0.0	339.5
1002 Environmental Biotechnology	0.4	23.4	277.8	19.9	1.8	323.3
1003 Industrial Biotechnology	0.2	22.8	233.3	7.0	0.0	263.3
1004 Medical Biotechnology	0.0	48.6	471.9	46.6	0.0	567.1
1005 Communications Technologies	5.5	54.4	825.1	926.4	0.0	1,811.4
1006 Computer Hardware	0.0	0.2	40.0	204.8	0.0	244.9
1007 Nanotechnology	1.5	59.2	808.2	182.4	0.0	1,051.3
1099 Other Technology	12.5	166.9	205.4	1,455.5	1.5	1,841.8
Total	20.1	393.8	3,173.3	2,852.1	3.3	6,442.7

RESEARCH INCOME BY YEAR-ALL CATEGORIES (\$)



FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1001 Agricultural Biotechnology	5,394,365	3,999,824	6,377,218	15,771,407
1002 Environmental Biotechnology	2,657,511	1,930,060	2,581,217	7,168,788
1003 Industrial Biotechnology	4,601,512	4,799,628	3,583,215	12,984,355
1004 Medical Biotechnology	6,186,484	4,537,207	5,148,593	15,872,284
1005 Communications Technologies	9,655,663	9,103,927	8,931,072	27,690,661
1006 Computer Hardware	1,292,834	1,252,608	1,482,084	4,027,525
1007 Nanotechnology	9,601,851	11,537,039	9,624,331	30,763,221
1099 Other Technology	312,078	107,864	81,493	501,435
Total	39,702,298	37,268,157	37,809,221	114,779,676

STAFFING PROFILE BY ACADEMIC LEVEL

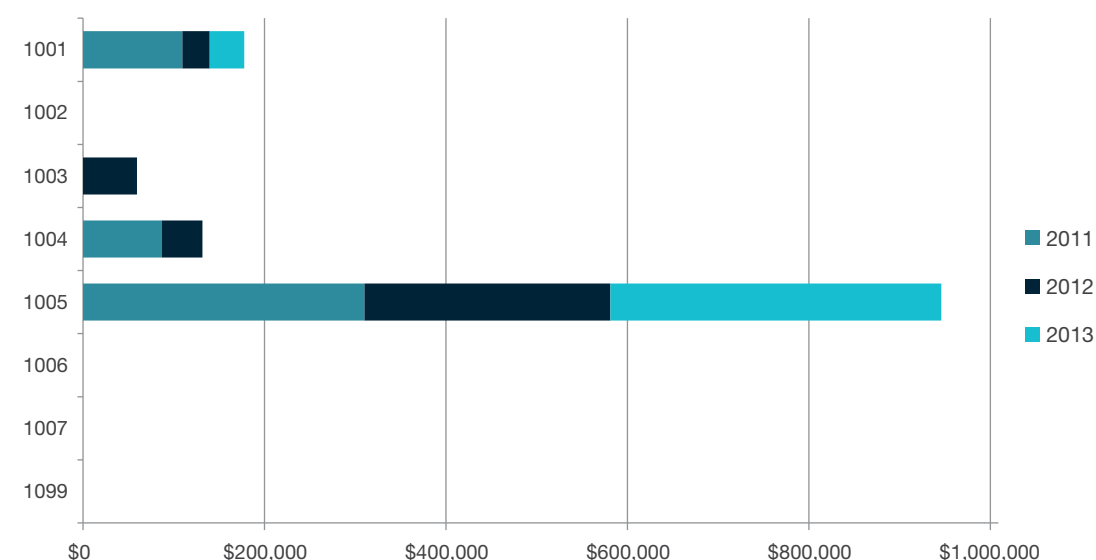


FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
1001 Agricultural Biotechnology	9.4	5.3	8.8	12.9	8.2	8.7	53.2
1002 Environmental Biotechnology	1.9	1.3	4.5	8.9	8.7	2.3	27.5
1003 Industrial Biotechnology	3.6	1.8	4.0	7.8	5.3	10.0	32.5
1004 Medical Biotechnology	6.4	10.0	32.7	63.9	29.0	21.7	163.6
1005 Communications Technologies	15.4	14.7	25.3	28.7	15.7	8.1	107.9
1006 Computer Hardware	2.0	3.3	8.0	6.1	4.2	0.8	24.4
1007 Nanotechnology	14.8	8.6	14.5	22.4	34.7	9.0	104.0
1099 Other Technology	5.6	6.0	32.1	68.3	37.2	8.3	157.5
Total	59.0	50.9	129.8	219.0	142.8	68.9	670.5

PATENT PROFILE

FoR code	Australia	USA	Europe	Japan	Other International	Triadic	Total
1001 Agricultural Biotechnology	1.0	1.0	2.0	1.0	1.0	0.0	6.0
1002 Environmental Biotechnology	0.0	2.0	1.0	0.0	1.4	0.0	4.4
1003 Industrial Biotechnology	1.4	2.4	0.0	1.1	1.1	0.0	6.0
1004 Medical Biotechnology	3.0	1.0	3.0	3.0	14.0	0.0	24.0
1005 Communications Technologies	0.0	3.0	0.0	1.0	0.0	0.0	4.0
1006 Computer Hardware	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1007 Nanotechnology	0.0	3.5	0.0	0.3	0.2	0.0	4.0
1099 Other Technology	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	5.4	12.9	6.0	6.4	17.7	0.0	48.3

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)



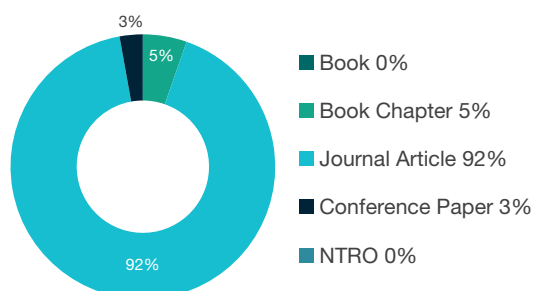
FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1001 Agricultural Biotechnology	109,344	30,134	38,013	177,491
1002 Environmental Biotechnology	0	0	0	0
1003 Industrial Biotechnology	0	59,306	0	59,306
1004 Medical Biotechnology	86,537	45,061	0	131,598
1005 Communications Technologies	310,264	270,819	364,917	946,000
1006 Computer Hardware	0	0	0	0
1007 Nanotechnology	0	0	0	0
1099 Other Technology	0	0	0	0
Total	506,145	405,320	402,930	1,314,395

1001 Agricultural Biotechnology

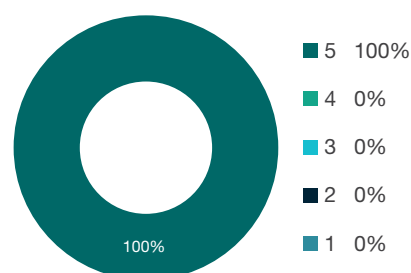
Indicator	No.
Research outputs	339.5
Research income	\$15,771,407
FTEs	53.2
Esteem count	2.5
Patents	6.0
Research commercialisation income	\$177,491

Rating	Distribution
5	2
4	0
3	0
2	0
1	0
Total	2

RESEARCH OUTPUTS BY TYPE



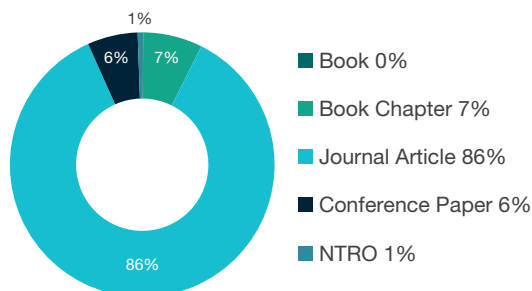
FOR RATING DISTRIBUTION



1002 Environmental Biotechnology

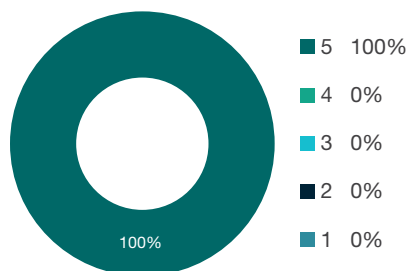
Indicator	No.
Research outputs	323.3
Research income	\$7,168,788
FTEs	27.5
Esteem count	1.2
Patents	4.4
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	0
3	0
2	0
1	0
Total	1

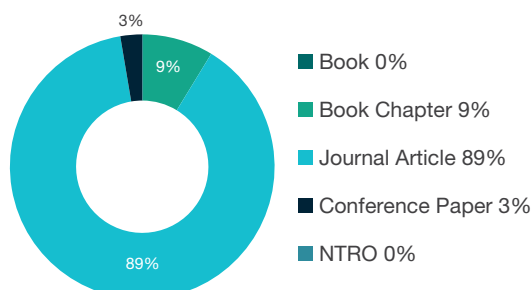
FOR RATING DISTRIBUTION



1003 Industrial Biotechnology

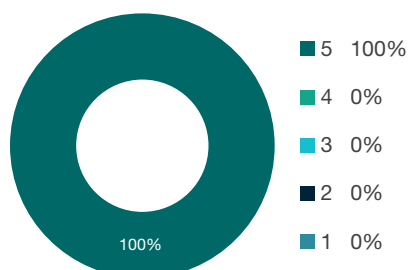
Indicator	No.
Research outputs	263.3
Research income	\$12,984,355
FTEs	32.5
Esteem count	1.4
Patents	6.0
Research commercialisation income	\$59,306

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	0
3	0
2	0
1	0
Total	1

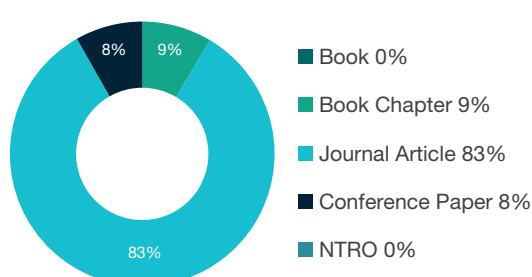
FOR RATING DISTRIBUTION



1004 Medical Biotechnology

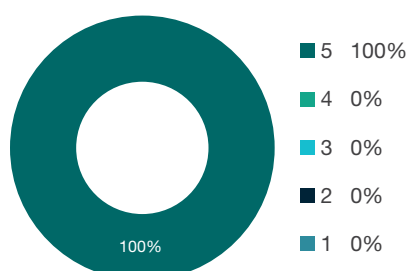
Indicator	No.
Research outputs	567.1
Research income	\$15,872,284
FTEs	163.6
Esteem count	7.7
Patents	24.0
Research commercialisation income	\$131,598

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	0
3	0
2	0
1	0
Total	2

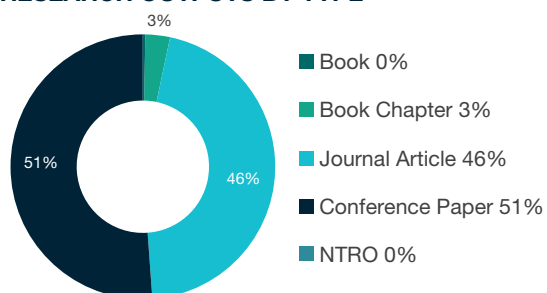
FOR RATING DISTRIBUTION



1005 Communications Technologies

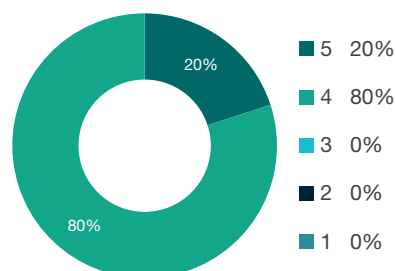
Indicator	No.
Research outputs	1,811.4
Research income	\$27,690,661
FTEs	107.9
Esteem count	9.9
Patents	4.0
Research commercialisation income	\$946,000

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	4
3	0
2	0
1	0
Total	5

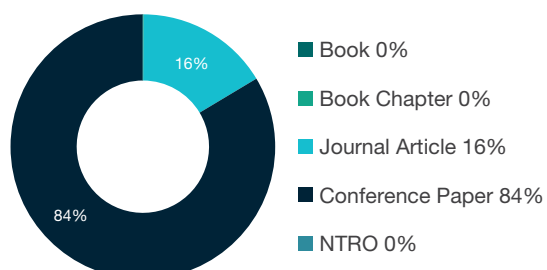
FOR RATING DISTRIBUTION



1006 Computer Hardware

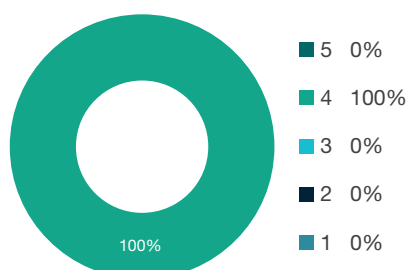
Indicator	No.
Research outputs	244.9
Research income	\$4,027,525
FTEs	24.4
Esteem count	0.0
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	1
3	0
2	0
1	0
Total	1

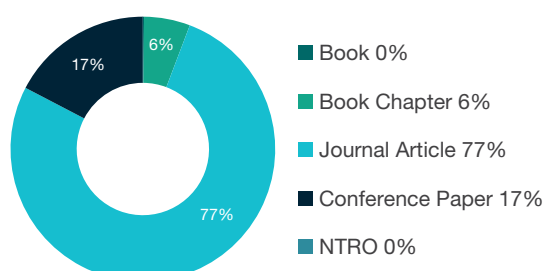
FOR RATING DISTRIBUTION



1007 Nanotechnology

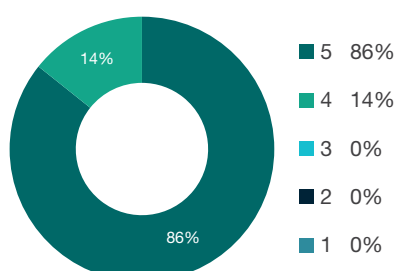
Indicator	No.
Research outputs	1,051.3
Research income	\$30,763,221
FTEs	104.0
Esteem count	19.3
Patents	4.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	6
4	1
3	0
2	0
1	0
Total	7

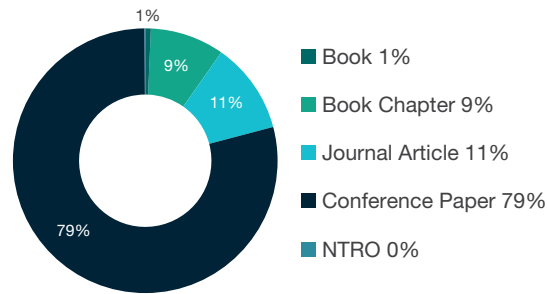
FOR RATING DISTRIBUTION



1099 Other Technology

Indicator	No.
Research outputs	1,841.8
Research income	\$501,435
FTEs	157.5
Esteem count	0.0
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 1099.

11 MEDICAL AND HEALTH SCIENCES

Medical and Health Sciences is comprised of the following four-digit codes:

- 1101 Medical Biochemistry and Metabolomics**
- 1102 Cardiovascular Medicine and Haematology**
- 1103 Clinical Sciences**
- 1104 Complementary and Alternative Medicine**
- 1105 Dentistry**
- 1106 Human Movement and Sports Science**
- 1107 Immunology**
- 1108 Medical Microbiology**
- 1109 Neurosciences**
- 1110 Nursing**
- 1111 Nutrition and Dietetics**
- 1112 Oncology and Carcinogenesis**
- 1113 Ophthalmology and Optometry**
- 1114 Paediatrics and Reproductive Medicine**
- 1115 Pharmacology and Pharmaceutical Sciences**
- 1116 Medical Physiology**
- 1117 Public Health and Health Services**
- 1199 Other Medical and Health Sciences**

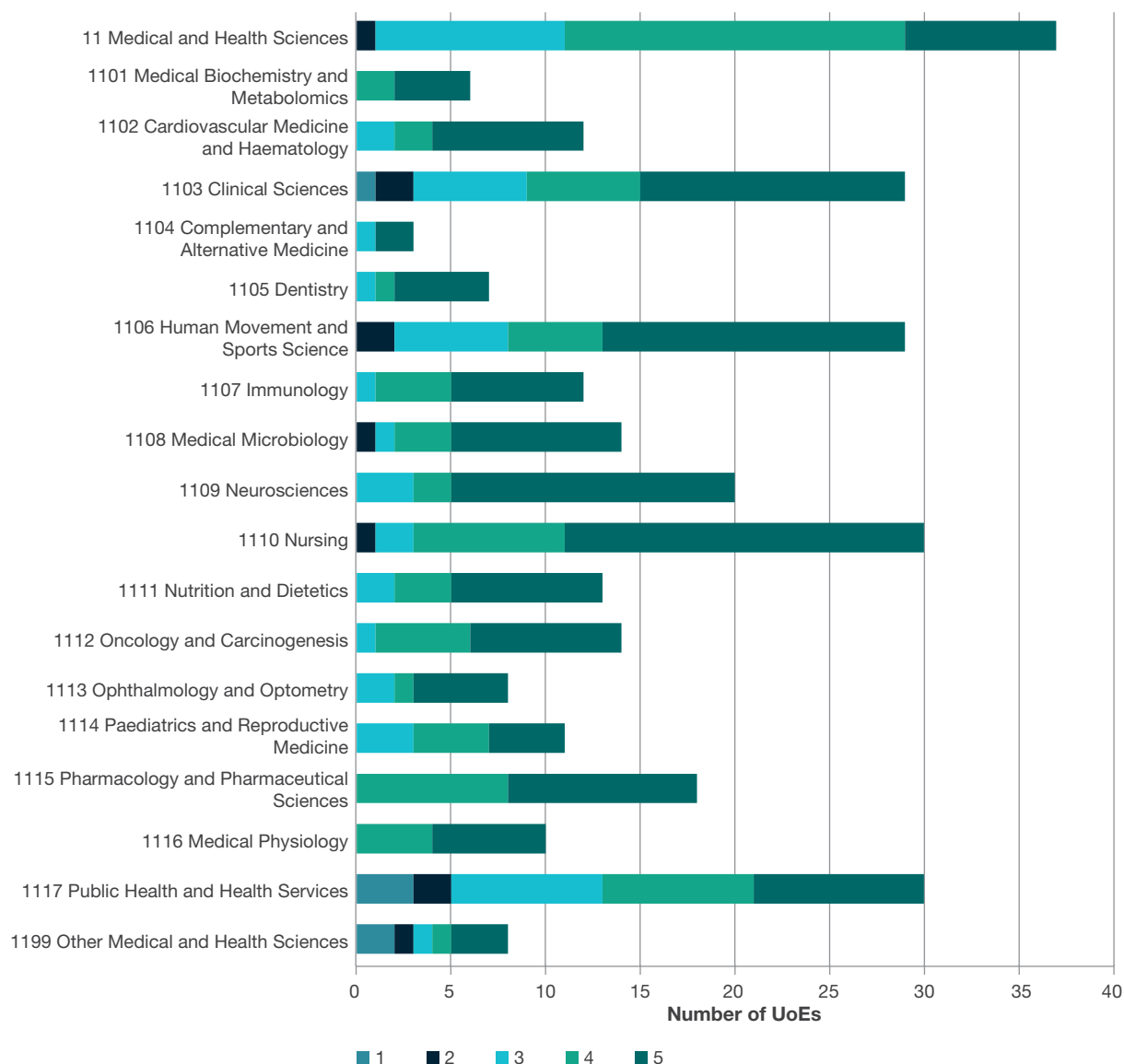
26 out of 37 two-digit UoEs and
219 out of 274 four-digit UoEs
assessed were rated above
world standard

FoR Overview

Medical and Health Sciences (11) accounted for approximately 21 per cent of the research outputs submitted to ERA 2015. Journal articles were the most common research output type in the Medical and Health Sciences (93 per cent). The two largest Medical and Health Sciences Disciplines for research outputs, research income and staff FTE were Clinical Sciences (1103) and Public Health and Health Services (1117). Research commercialisation income was particularly strong in Immunology (1107).

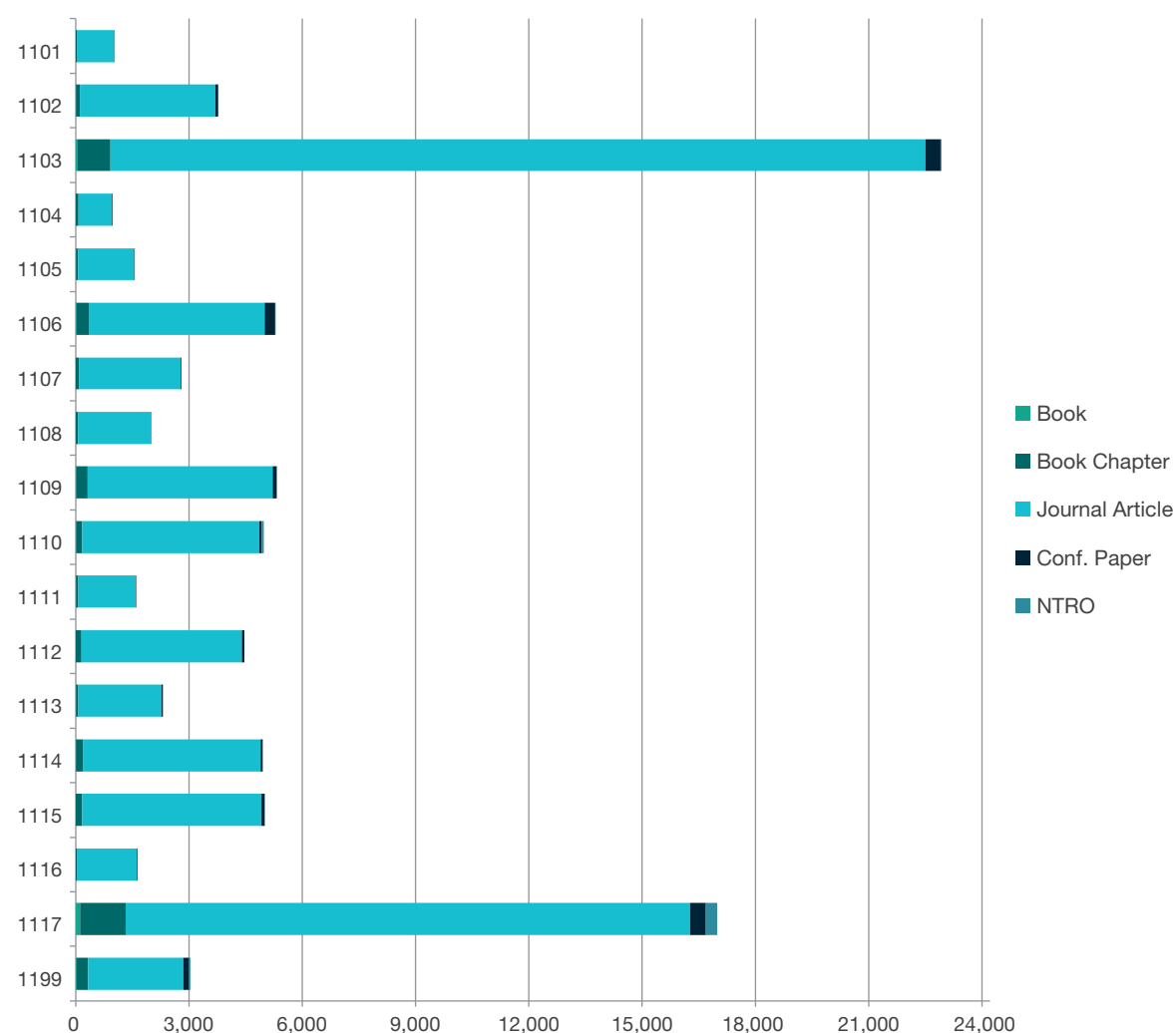
Indicator	No.	Rating	Distribution	
			Two-digit	Four-digit
Research outputs	90,650.5	5	8	152
Research income	\$3,670,303,937	4	18	67
FTEs	9,788.8	3	10	40
Esteem count	1,537.6	2	1	9
Patents	236.5	1	0	6
Research commercialisation income	\$75,292,607	Total	37	274

NUMBER OF UOES PER RATING SCALE SCORE



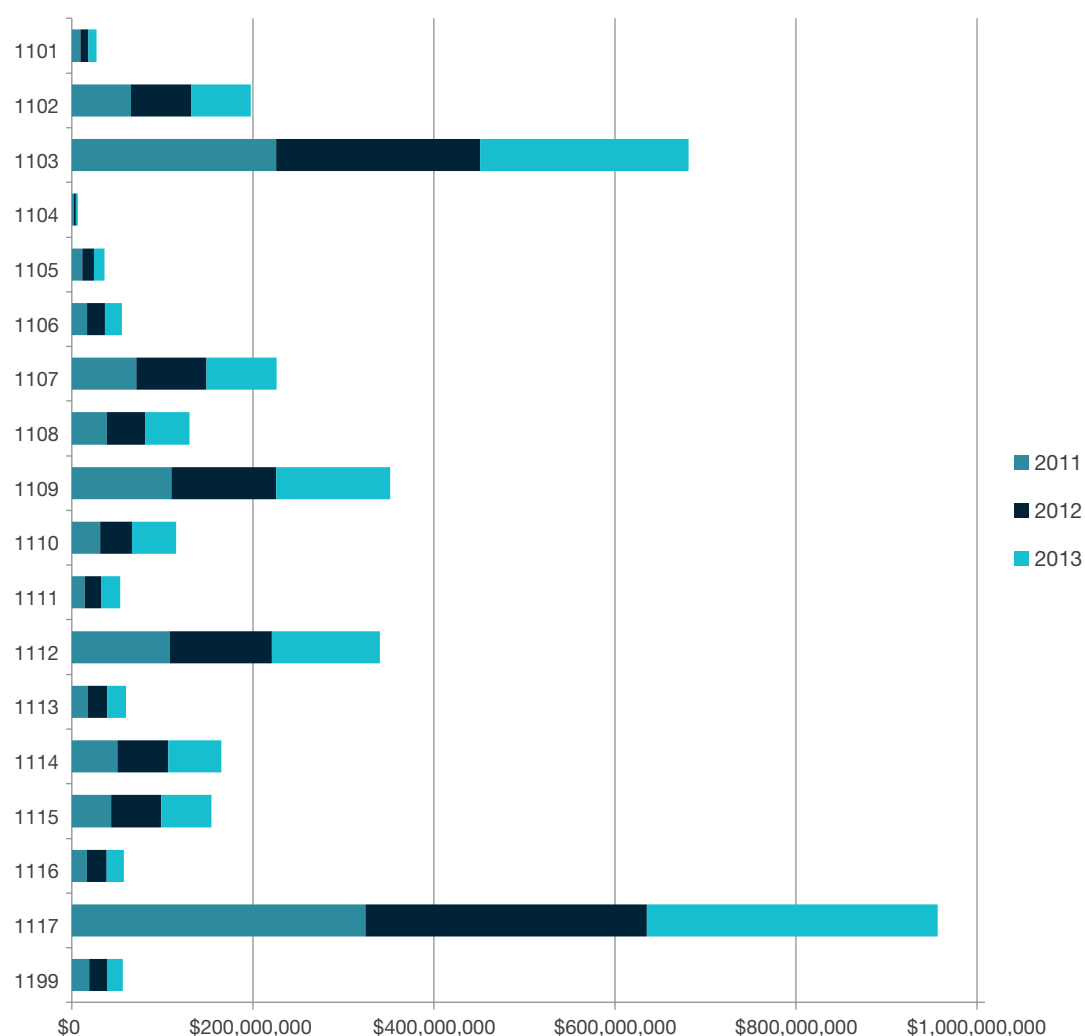
Note: 11 Medical and Health Sciences shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



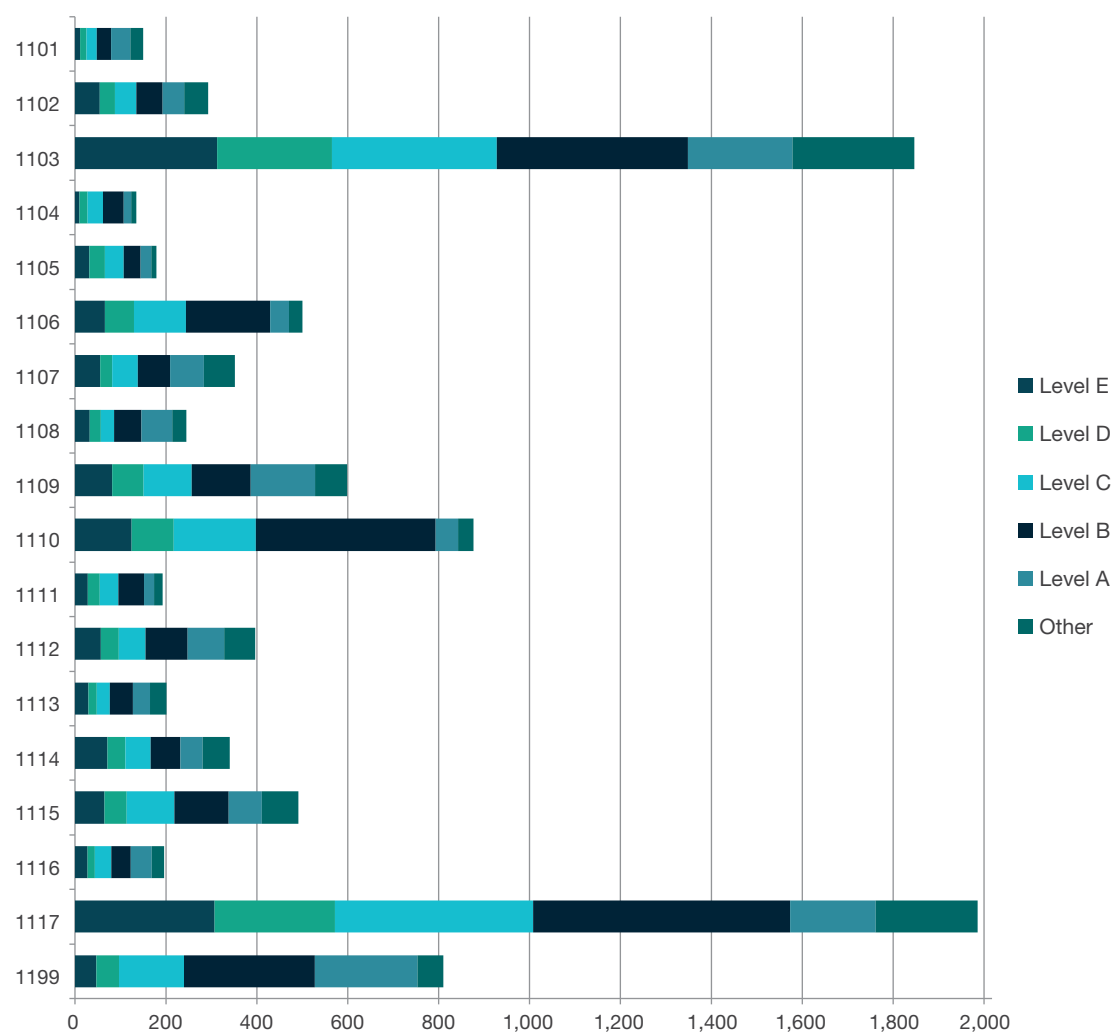
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
1101 Medical Biochemistry and Metabolomics	0.0	43.1	979.4	4.0	0.5	1,027.0
1102 Cardiovascular Medicine and Haematology	3.3	104.4	3,594.3	68.9	0.5	3,771.5
1103 Clinical Sciences	35.4	879.4	21,593.1	397.6	21.0	22,926.4
1104 Complementary and Alternative Medicine	2.5	72.2	877.1	20.2	1.6	973.7
1105 Dentistry	6.0	56.8	1,481.5	12.5	0.5	1,557.2
1106 Human Movement and Sports Science	17.3	326.9	4,659.7	277.4	11.2	5,292.5
1107 Immunology	0.3	84.0	2,696.9	20.5	0.0	2,801.7
1108 Medical Microbiology	0.0	60.4	1,938.1	6.5	0.0	2,004.9
1109 Neurosciences	12.2	298.5	4,902.6	108.4	0.0	5,321.6
1110 Nursing	13.7	153.9	4,695.0	61.5	52.6	4,976.8
1111 Nutrition and Dietetics	4.3	61.3	1,519.8	13.4	5.4	1,604.3
1112 Oncology and Carcinogenesis	1.0	151.3	4,248.9	65.7	0.0	4,466.8
1113 Ophthalmology and Optometry	3.0	60.8	2,202.7	38.1	9.0	2,313.6
1114 Paediatrics and Reproductive Medicine	7.7	193.5	4,691.4	58.0	3.5	4,954.1
1115 Pharmacology and Pharmaceutical Sciences	1.5	165.0	4,750.5	83.1	1.4	5,001.5
1116 Medical Physiology	0.0	39.0	1,577.5	19.7	0.0	1,636.2
1117 Public Health and Health Services	113.7	1,204.8	14,951.2	415.4	301.2	16,986.2
1199 Other Medical and Health Sciences	16.5	308.8	2,525.4	148.6	35.2	3,034.5
Total	238.4	4,264.0	83,885.1	1,819.3	443.7	90,650.5

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)



FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1101 Medical Biochemistry and Metabolomics	9,364,438	8,849,924	9,036,076	27,250,438
1102 Cardiovascular Medicine and Haematology	65,176,520	66,839,558	65,679,230	197,695,308
1103 Clinical Sciences	225,722,511	225,406,203	230,285,333	681,414,047
1104 Complementary and Alternative Medicine	2,192,078	2,200,415	2,091,392	6,483,885
1105 Dentistry	11,618,479	12,746,276	11,753,260	36,118,015
1106 Human Movement and Sports Science	16,830,868	19,768,375	18,561,428	55,160,670
1107 Immunology	71,149,735	77,631,535	77,478,041	226,259,312
1108 Medical Microbiology	38,704,031	42,484,264	48,690,776	129,879,071
1109 Neurosciences	110,042,602	115,610,662	125,967,601	351,620,865
1110 Nursing	31,286,874	35,120,286	48,738,477	115,145,636
1111 Nutrition and Dietetics	14,244,371	18,073,186	21,160,384	53,477,941
1112 Oncology and Carcinogenesis	108,125,963	112,892,357	119,221,524	340,239,844
1113 Ophthalmology and Optometry	17,530,247	21,470,789	20,879,954	59,880,990
1114 Paediatrics and Reproductive Medicine	50,256,888	56,180,651	58,766,703	165,204,242
1115 Pharmacology and Pharmaceutical Sciences	43,356,050	55,352,649	55,471,145	154,179,844
1116 Medical Physiology	16,574,979	21,816,801	19,030,819	57,422,599
1117 Public Health and Health Services	324,236,468	311,017,060	321,420,337	956,673,866
1199 Other Medical and Health Sciences	19,036,940	20,269,203	16,891,220	56,197,363
Total	1,175,450,041	1,223,730,195	1,271,123,701	3,670,303,937

STAFFING PROFILE BY ACADEMIC LEVEL



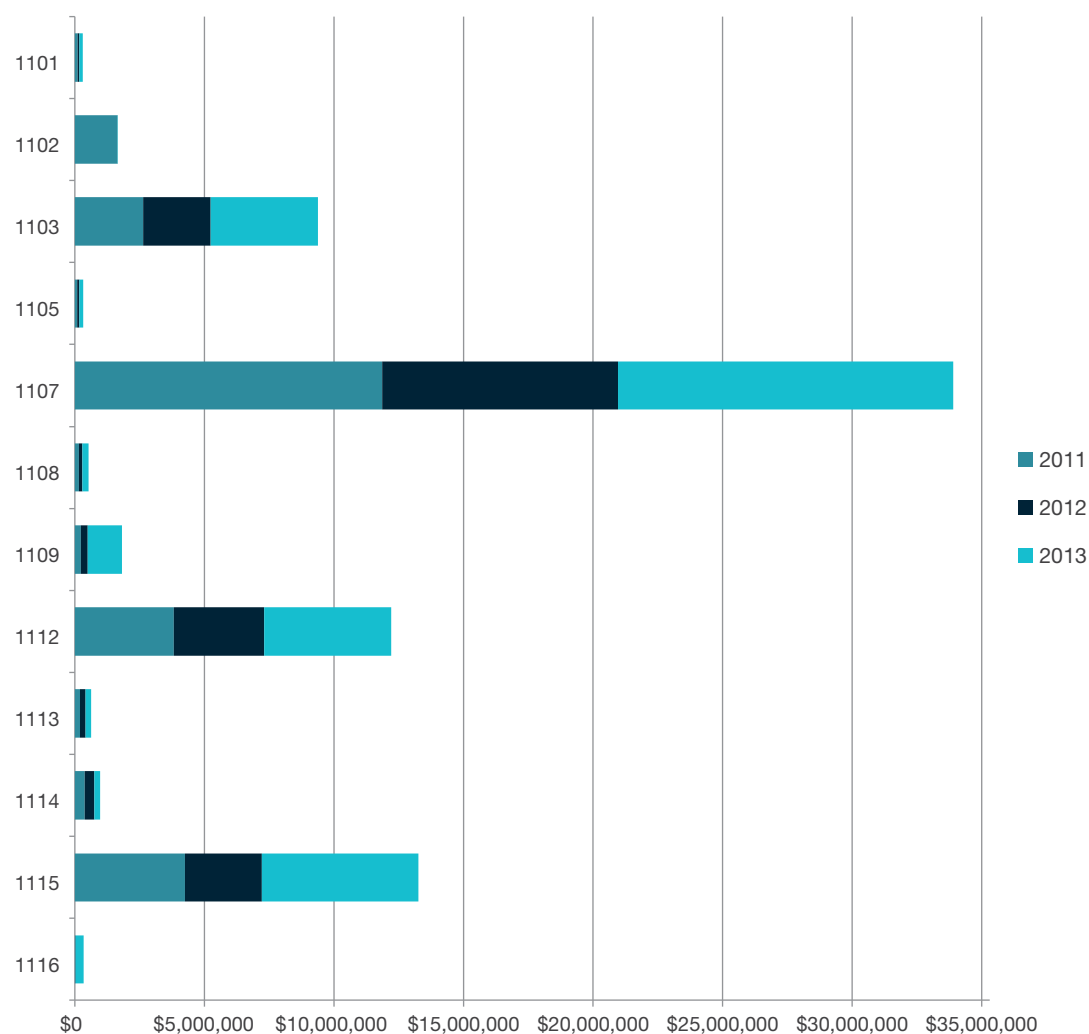
FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
1101 Medical Biochemistry and Metabolomics	11.1	14.3	22.4	31.4	42.7	27.9	149.8
1102 Cardiovascular Medicine and Haematology	54.3	33.7	46.9	57.6	47.8	52.7	292.9
1103 Clinical Sciences	312.6	252.7	362.6	420.3	230.4	267.7	1,846.4
1104 Complementary and Alternative Medicine	9.7	17.9	33.8	45.7	16.5	11.2	134.9
1105 Dentistry	31.2	34.4	41.5	37.1	23.6	11.3	179.1
1106 Human Movement and Sports Science	65.5	64.1	114.2	185.5	41.2	29.9	500.4
1107 Immunology	55.2	26.2	56.5	71.4	74.2	68.3	351.8
1108 Medical Microbiology	32.4	24.3	29.0	60.4	67.9	30.7	244.7
1109 Neurosciences	81.8	69.0	105.7	130.1	141.5	70.5	598.6
1110 Nursing	124.2	92.7	180.6	396.0	49.4	33.6	876.4
1111 Nutrition and Dietetics	27.8	26.7	41.0	56.3	22.2	18.8	192.7
1112 Oncology and Carcinogenesis	56.8	39.4	58.8	92.6	80.6	68.1	396.3
1113 Ophthalmology and Optometry	29.3	18.6	28.4	51.2	37.7	36.1	201.2
1114 Paediatrics and Reproductive Medicine	71.1	39.7	55.3	65.8	48.7	59.9	340.6
1115 Pharmacology and Pharmaceutical Sciences	64.8	48.9	104.9	119.4	72.8	80.4	491.2
1116 Medical Physiology	27.8	15.6	36.5	42.5	46.5	26.9	195.7
1117 Public Health and Health Services	307.0	264.6	436.2	565.7	187.9	224.6	1,986.1
1199 Other Medical and Health Sciences	47.0	49.8	142.6	288.1	225.8	56.6	810.1
Total	1,409.6	1,132.7	1,896.9	2,716.9	1,457.3	1,175.4	9,788.8

PATENT PROFILE

FoR code	Australia	USA	Europe	Japan	Other International	Triadic	Total*
1101 Medical Biochemistry and Metabolomics	1.5	2.7	1.5	1.0	2.5	0.0	9.1
1102 Cardiovascular Medicine and Haematology	3.0	2.0	3.0	0.0	3.0	0.0	11.0
1103 Clinical Sciences	6.5	9.2	3.1	2.3	8.8	0.3	31.0
1104 Complementary and Alternative Medicine	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1105 Dentistry	3.0	5.0	3.0	2.3	20.3	0.0	33.7
1106 Human Movement and Sports Science	1.0	0.0	1.0	0.0	3.3	0.0	5.3
1107 Immunology	2.5	8.1	2.6	1.1	5.3	0.0	19.7
1108 Medical Microbiology	3.3	2.8	1.1	0.3	5.0	0.0	12.5
1109 Neurosciences	1.0	15.0	5.0	4.5	7.3	0.0	32.8
1110 Nursing	0.4	0.4	0.0	0.0	0.0	0.0	0.8
1111 Nutrition and Dietetics	0.0	0.0	0.0	0.0	0.5	0.0	0.5
1112 Oncology and Carcinogenesis	2.8	3.8	3.6	1.9	7.1	0.0	19.2
1113 Ophthalmology and Optometry	2.0	3.0	1.0	2.5	10.0	0.7	20.5
1114 Paediatrics and Reproductive Medicine	1.5	1.5	0.5	0.5	1.5	0.0	5.5
1115 Pharmacology and Pharmaceutical Sciences	4.2	7.8	4.5	3.7	9.1	0.0	29.3
1116 Medical Physiology	0.0	0.0	2.0	0.0	0.0	0.0	2.0
1117 Public Health and Health Services	0.5	0.5	0.0	0.5	1.5	0.0	3.0
1199 Other Medical and Health Sciences	0.0	0.0	0.5	0.0	0.0	0.0	0.5
Total	33.3	61.8	32.4	20.7	85.4	1.0	236.5

*Note: triadic patents count as three patents in the total

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)



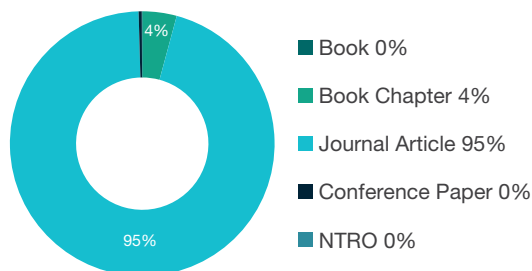
FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1101 Medical Biochemistry and Metabolomics	101,951	64,908	135,778	302,637
1102 Cardiovascular Medicine and Haematology	1,635,098	4,914	14,124	1,654,137
1103 Clinical Sciences	2,636,932	2,600,682	4,142,729	9,380,344
1104 Complementary and Alternative Medicine	–	–	–	–
1105 Dentistry	87,077	80,684	148,145	315,906
1106 Human Movement and Sports Science	–	–	–	–
1107 Immunology	11,857,687	9,107,506	12,938,562	33,903,755
1108 Medical Microbiology	150,879	132,899	239,189	522,967
1109 Neurosciences	227,246	263,594	1,320,671	1,811,511
1110 Nursing	–	–	–	–
1111 Nutrition and Dietetics	–	–	–	–
1112 Oncology and Carcinogenesis	3,817,316	3,486,789	4,902,892	12,206,998
1113 Ophthalmology and Optometry	191,123	221,193	216,109	628,426
1114 Paediatrics and Reproductive Medicine	378,964	365,902	226,591	971,457
1115 Pharmacology and Pharmaceutical Sciences	4,247,759	2,966,588	6,044,017	13,258,364
1116 Medical Physiology	40,895	0	295,212	336,108
1117 Public Health and Health Services	–	–	–	–
1199 Other Medical and Health Sciences	–	–	–	–
Total	25,372,929	19,295,660	30,624,018	75,292,607

1101 Medical Biochemistry and Metabolomics

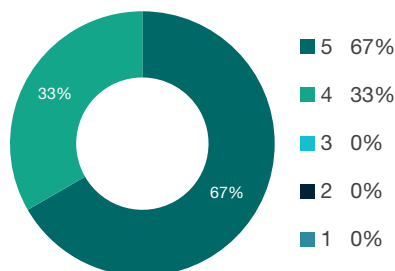
Indicator	No.
Research outputs	1,027.0
Research income	\$27,250,438
FTEs	149.8
Esteem count	8.2
Patents	9.1
Research commercialisation income	\$302,637

Rating	Distribution
5	4
4	2
3	0
2	0
1	0
Total	6

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION

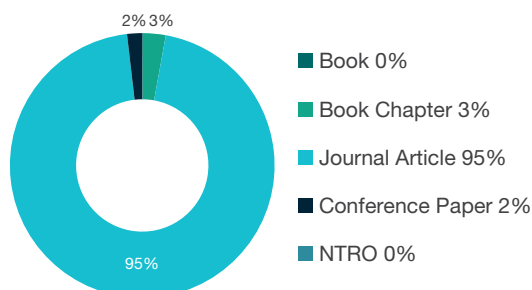


1102 Cardiovascular Medicine and Haematology

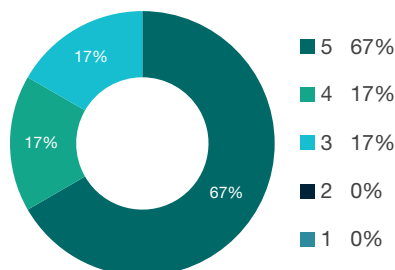
Indicator	No.
Research outputs	3,771.5
Research income	\$197,695,308
FTEs	292.9
Esteem count	86.9
Patents	11.0
Research commercialisation income	\$1,654,137

Rating	Distribution
5	8
4	2
3	2
2	0
1	0
Total	12

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION



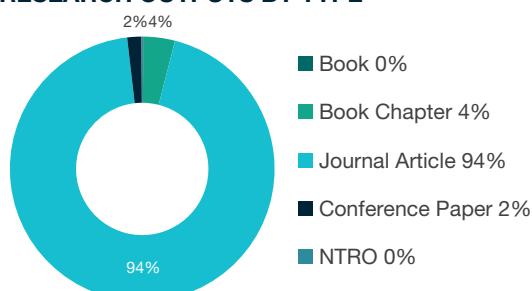
1103 Clinical Sciences

Indicator	No.
Research outputs	22,926.4
Research income	\$681,414,047
FTEs	1,846.4
Esteem count	203.3
Patents*	31.0
Research commercialisation income	\$9,380,344

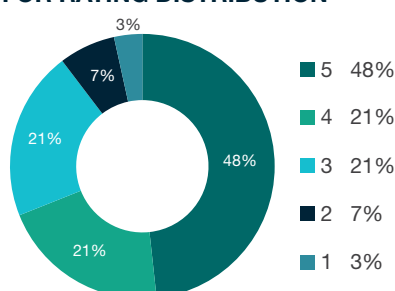
Rating	Distribution
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4	6
3	6
2	2
1	1
Total	29

*Note: triadic patents count as three patents in the total

RESEARCH OUTPUTS BY TYPE



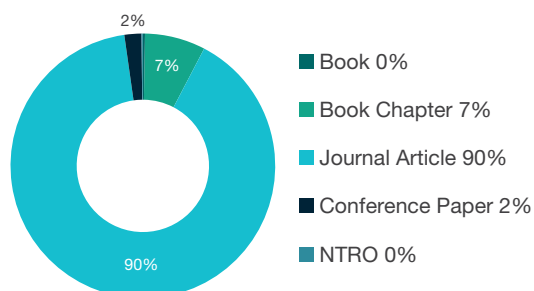
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1104 Complementary and Alternative Medicine

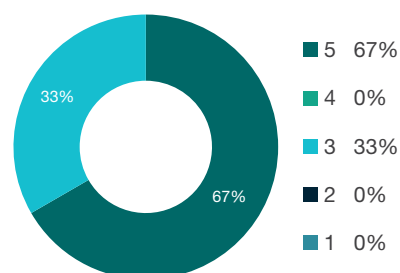
Indicator	No.
Research outputs	973.7
Research income	\$6,483,885
FTEs	134.9
Esteem count	8.5
Patents	0.0
Research commercialisation income	–

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	0
3	1
2	0
1	0
Total	3

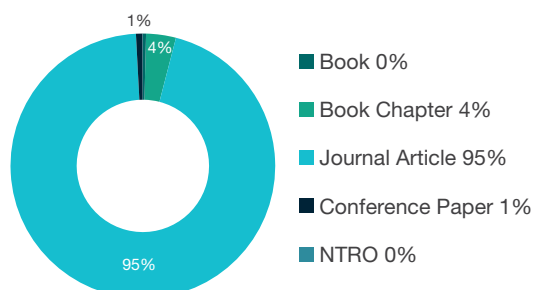
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1105 Dentistry

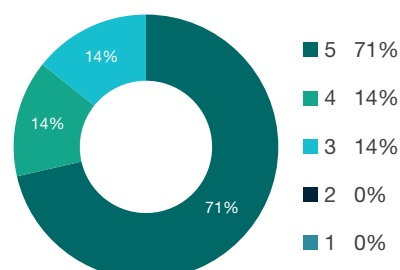
Indicator	No.
Research outputs	1,557.2
Research income	\$36,118,015
FTEs	179.1
Esteem count	8.0
Patents	33.7
Research commercialisation income	\$315,906

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	5
4	1
3	1
2	0
1	0
Total	7

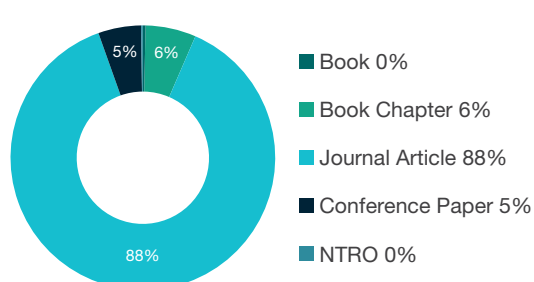
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1106 Human Movement and Sports Science

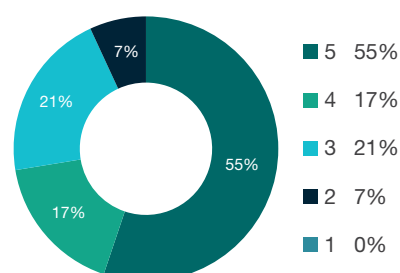
Indicator	No.
Research outputs	5,292.5
Research income	\$55,160,670
FTEs	500.4
Esteem count	32.7
Patents	5.3
Research commercialisation income	–

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	16
4	5
3	6
2	2
1	0
Total	29

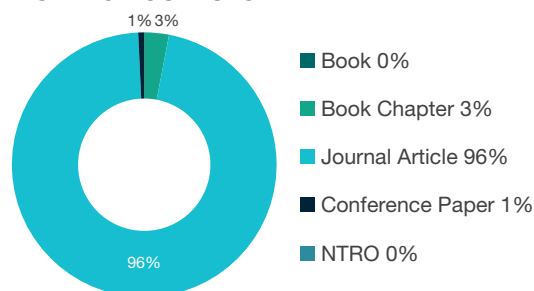
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1107 Immunology

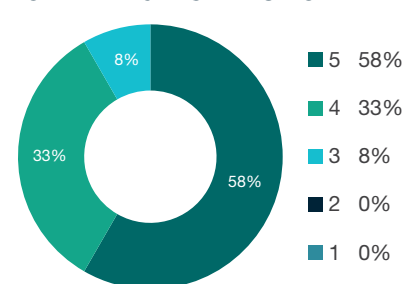
Indicator	No.
Research outputs	2,801.7
Research income	\$226,259,312
FTEs	351.8
Esteem count	106.2
Patents	19.7
Research commercialisation income	\$33,903,755

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	7
4	4
3	1
2	0
1	0
Total	12

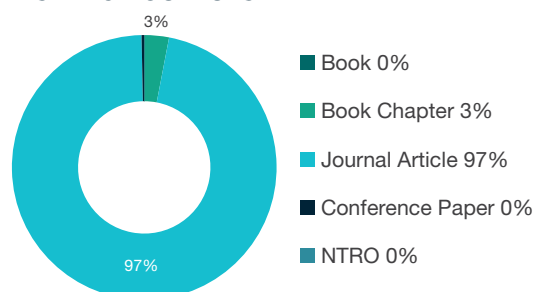
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1108 Medical Microbiology

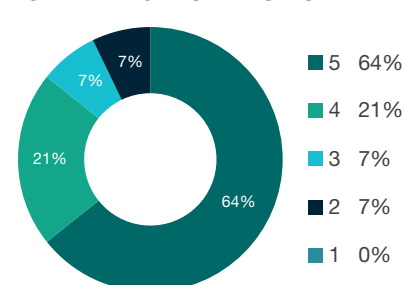
Indicator	No.
Research outputs	2,004.9
Research income	\$129,879,071
FTEs	244.7
Esteem count	62.6
Patents	12.5
Research commercialisation income	\$522,967

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	9
4	3
3	1
2	1
1	0
Total	14

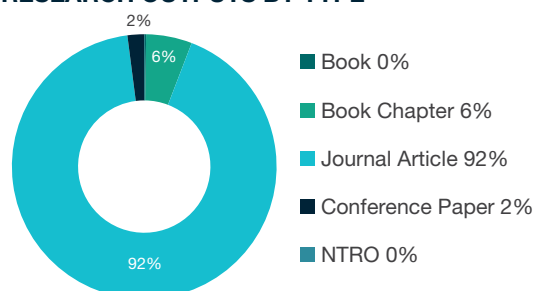
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1109 Neurosciences

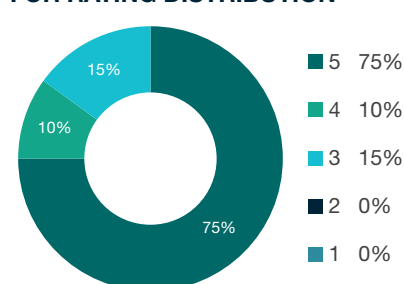
Indicator	No.
Research outputs	5,321.6
Research income	\$351,620,865
FTEs	598.6
Esteem count	163.8
Patents	32.8
Research commercialisation income	\$1,811,511

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	15
4	2
3	3
2	0
1	0
Total	20

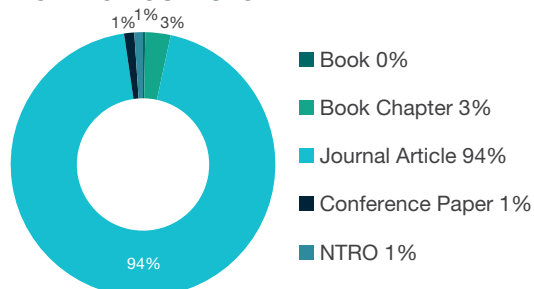
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1110 Nursing

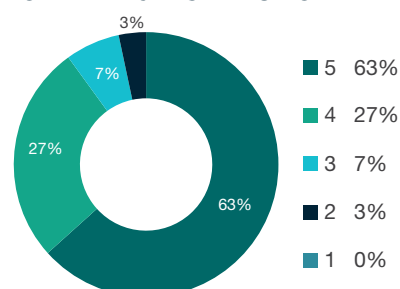
Indicator	No.
Research outputs	4,976.8
Research income	\$115,145,636
FTEs	876.4
Esteem count	32.9
Patents	0.8
Research commercialisation income	–

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	19
4	8
3	2
2	1
1	0
Total	30

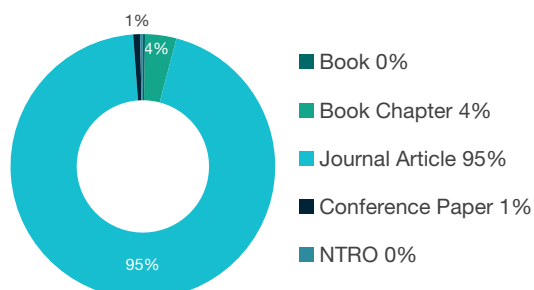
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1111 Nutrition and Dietetics

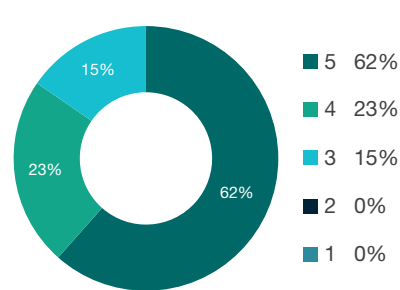
Indicator	No.
Research outputs	1,604.3
Research income	\$53,477,941
FTEs	192.7
Esteem count	30.4
Patents	0.5
Research commercialisation income	–

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	8
4	3
3	2
2	0
1	0
Total	13

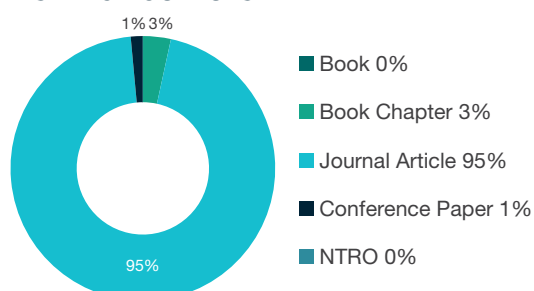
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1112 Oncology and Carcinogenesis

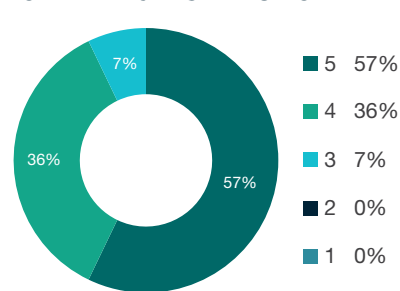
Indicator	No.
Research outputs	4,466.8
Research income	\$340,239,844
FTEs	396.3
Esteem count	73.5
Patents	19.2
Research commercialisation income	\$12,206,998

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	8
4	5
3	1
2	0
1	0
Total	14

FOR RATING DISTRIBUTION

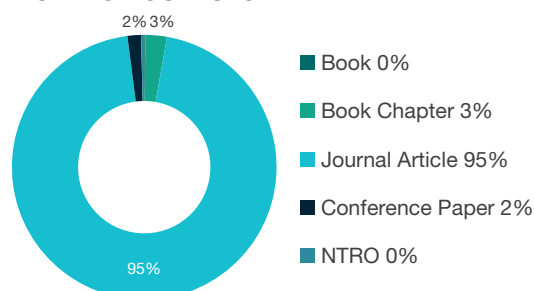


1113 Ophthalmology and Optometry

Indicator	No.
Research outputs	2,313.6
Research income	\$59,880,990
FTEs	201.2
Esteem count	14.3
Patents*	20.5
Research commercialisation income	\$628,426

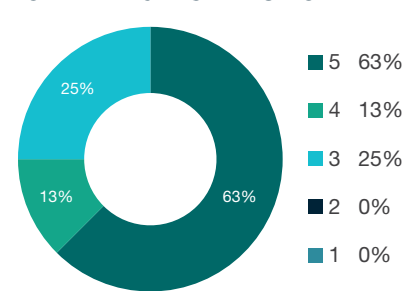
*Note: triadic patents count as three patents in the total

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	5
4	1
3	2
2	0
1	0
Total	8

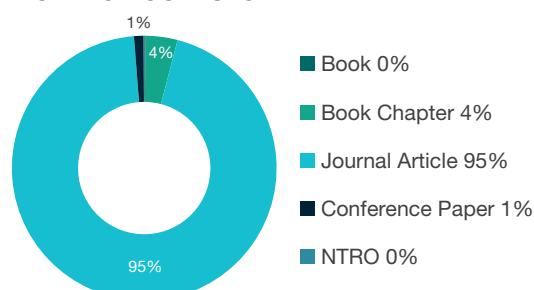
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1114 Paediatrics and Reproductive Medicine

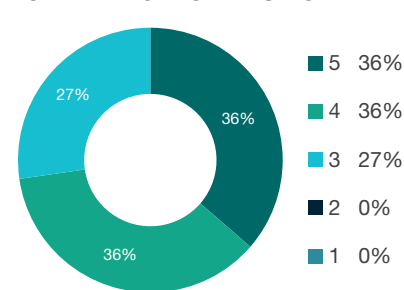
Indicator	No.
Research outputs	4,954.1
Research income	\$165,204,242
FTEs	340.6
Esteem count	79.0
Patents	5.5
Research commercialisation income	\$971,457

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	4
4	4
3	3
2	0
1	0
Total	11

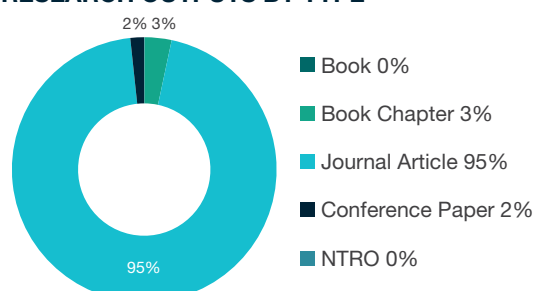
FOR RATING DISTRIBUTION



1115 Pharmacology and Pharmaceutical Sciences

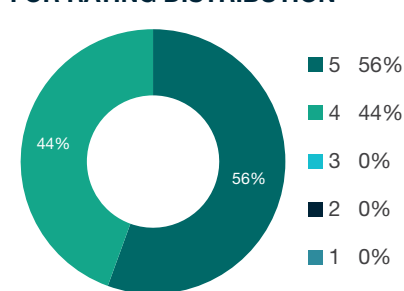
Indicator	No.
Research outputs	5,001.5
Research income	\$154,179,844
FTEs	491.2
Esteem count	62.0
Patents	29.3
Research commercialisation income	\$13,258,364

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	10
4	8
3	0
2	0
1	0
Total	18

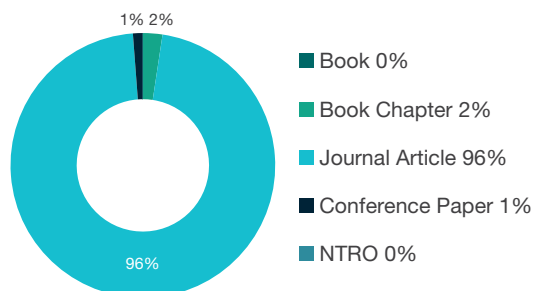
FOR RATING DISTRIBUTION



1116 Medical Physiology

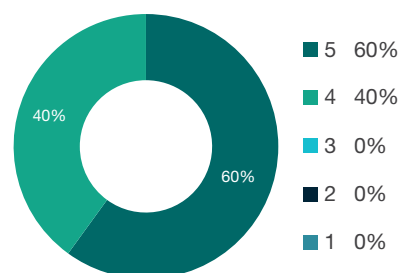
Indicator	No.
Research outputs	1,636.2
Research income	\$57,422,599
FTEs	195.7
Esteem count	40.7
Patents	2.0
Research commercialisation income	\$336,108

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	6
4	4
3	0
2	0
1	0
Total	10

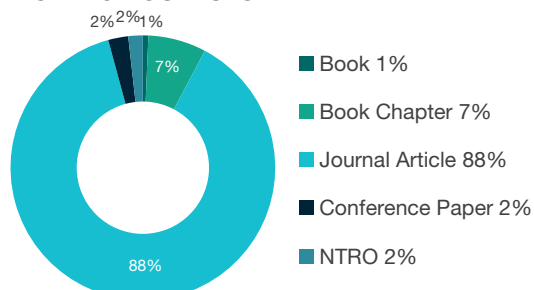
FOR RATING DISTRIBUTION



1117 Public Health and Health Services

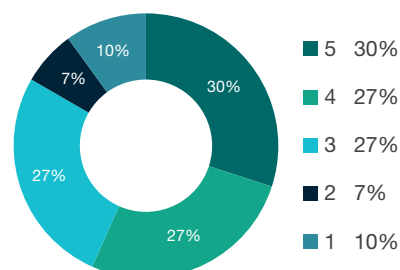
Indicator	No.
Research outputs	16,986.2
Research income	\$956,673,866
FTEs	1,986.1
Esteem count	502.9
Patents	3.0
Research commercialisation income	-

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	9
4	8
3	8
2	2
1	3
Total	30

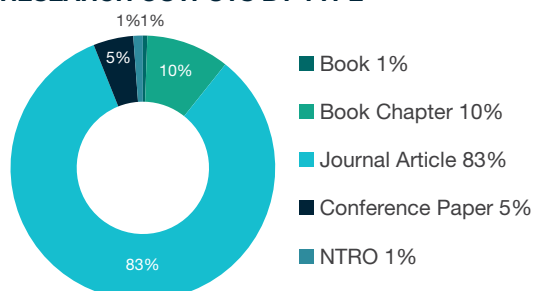
FOR RATING DISTRIBUTION



1199 Other Medical and Health Sciences

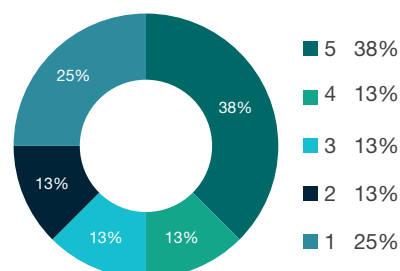
Indicator	No.
Research outputs	3,034.5
Research income	\$56,197,363
FTEs	810.1
Esteem count	21.5
Patents	0.5
Research commercialisation income	-

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	3
4	1
3	1
2	1
1	2
Total	8

FOR RATING DISTRIBUTION



12 BUILT ENVIRONMENT AND DESIGN

Built Environment and Design is comprised of the following four-digit codes:

1201 Architecture

1202 Building

1203 Design Practice and Management

1204 Engineering Design

1205 Urban and Regional Planning

1299 Other Built Environment and Design

3 out of 22 two-digit UoEs and 10 out of 44 four-digit UoEs assessed were rated above world standard

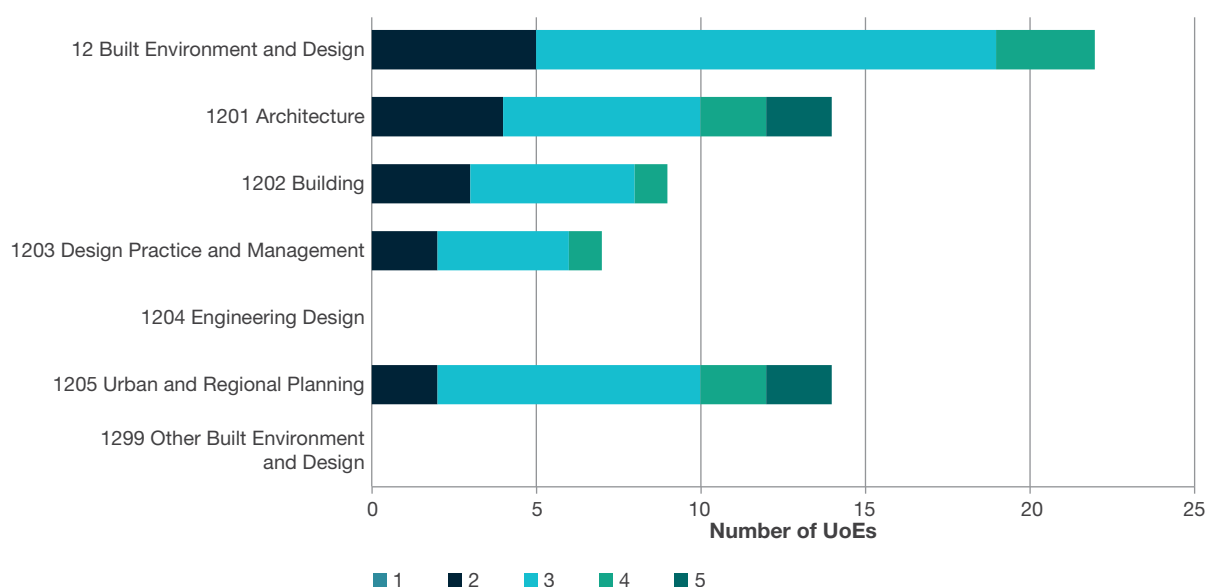
FoR Overview

Built Environment and Design (12) accounted for approximately two per cent of the research outputs submitted to ERA 2015. Overall, conference papers were the most common research output type (37 per cent), followed by journal articles (33 per cent). Non-traditional research outputs comprised a high proportion of outputs in Architecture (1201) and Design Practice and Management (1203). Urban and Regional Planning (1205) and Architecture (1201) were the largest sub-disciplines by research output volume and research income. Design Practice and Management (1203) was the only four-digit code that submitted research commercialisation income.

Indicator	No.
Research outputs	9,934.2
Research income	\$89,679,775
FTEs	1,109.6
Esteem count	27.5
Patents	0
Research commercialisation income	\$92,692

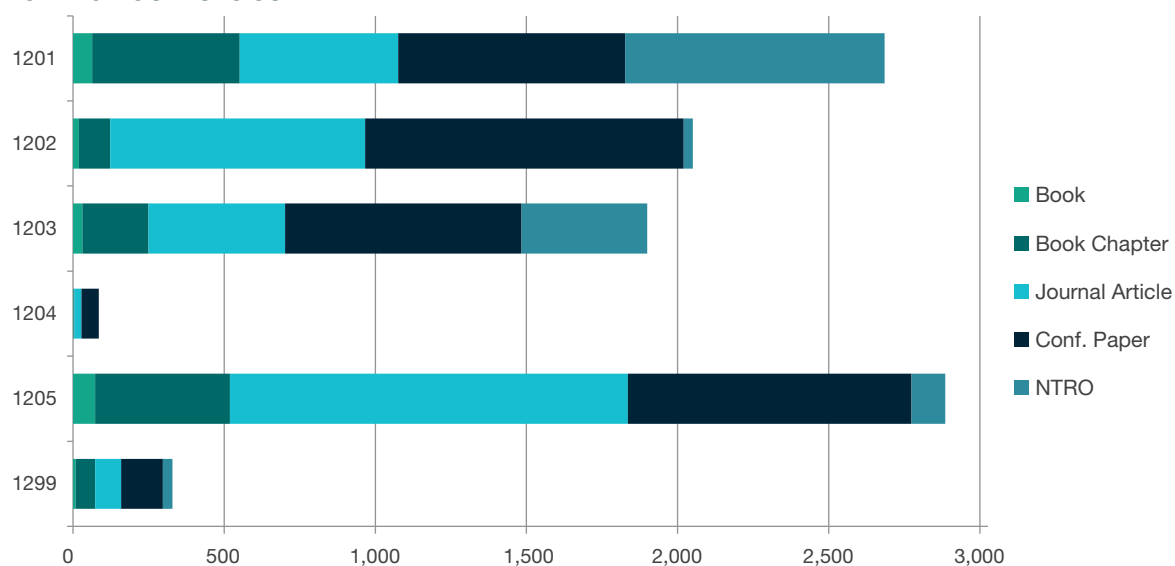
Rating	Distribution	
	Two-digit	Four-digit
5	0	4
4	3	6
3	14	23
2	5	11
1	0	0
Total	22	44

NUMBER OF UOES PER RATING SCALE SCORE



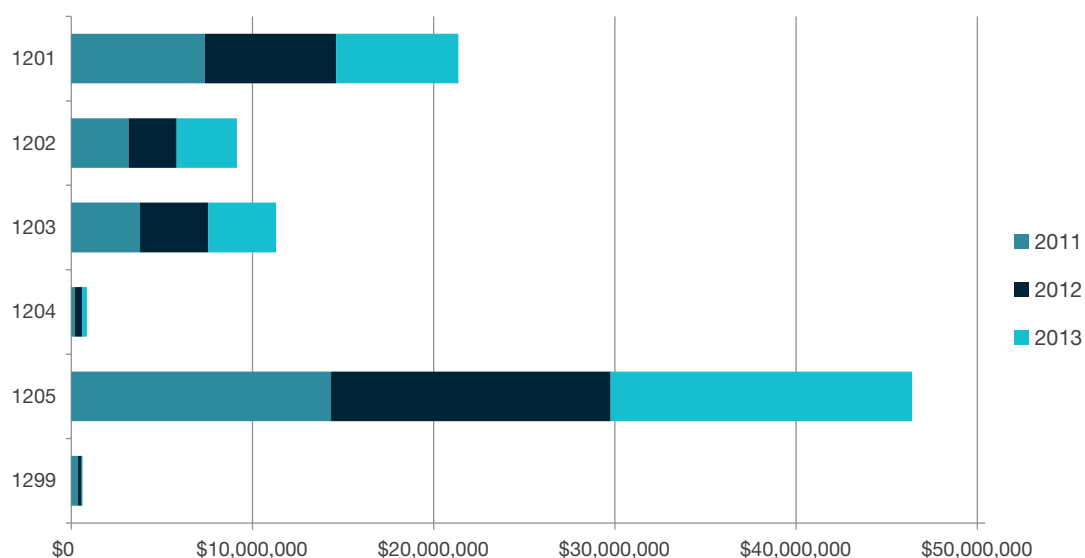
Note: 12 Built Environment and Design shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



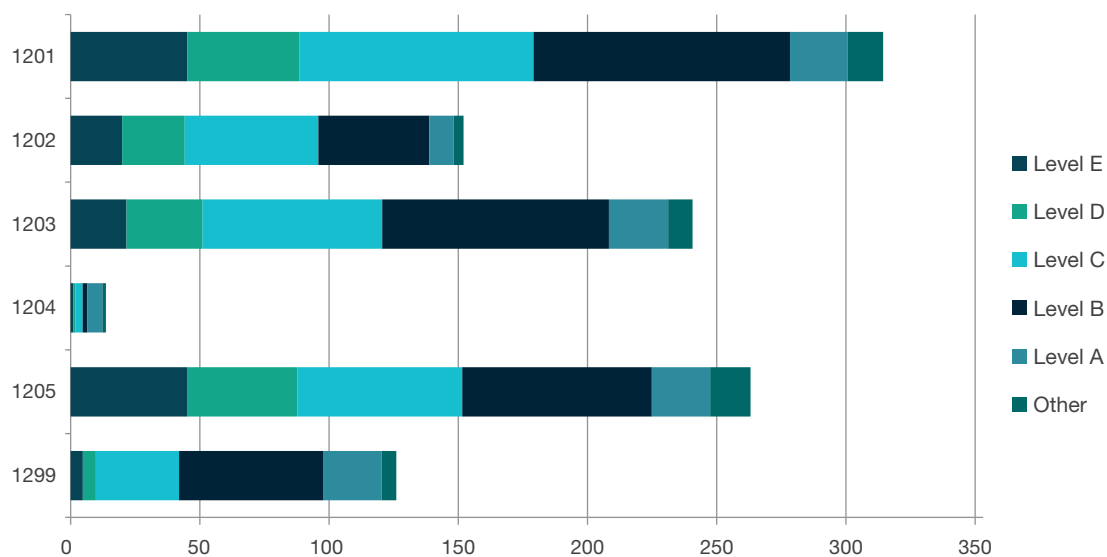
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
1201 Architecture	63.2	488.1	524.2	750.5	859.2	2,685.2
1202 Building	19.4	103.9	843.0	1,054.2	29.7	2,050.2
1203 Design Practice and Management	30.8	219.2	452.0	782.0	415.4	1,899.3
1204 Engineering Design	2.3	2.0	23.5	57.6	0.0	85.4
1205 Urban and Regional Planning	73.3	446.0	1,316.4	938.0	111.6	2,885.2
1299 Other Built Environment and Design	9.2	63.9	86.3	137.6	31.8	328.8
Total	198.1	1,323.1	3,245.4	3,719.9	1,447.6	9,934.2

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)



FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1201 Architecture	7,357,570	7,254,285	6,744,326	21,356,181
1202 Building	3,157,075	2,657,104	3,319,684	9,133,862
1203 Design Practice and Management	3,792,233	3,770,372	3,735,723	11,298,329
1204 Engineering Design	184,353	405,088	280,346	869,787
1205 Urban and Regional Planning	14,337,399	15,431,129	16,641,372	46,409,900
1299 Other Built Environment and Design	364,126	201,157	46,432	611,716
Total	29,192,757	29,719,135	30,767,883	89,679,775

STAFFING PROFILE BY ACADEMIC LEVEL



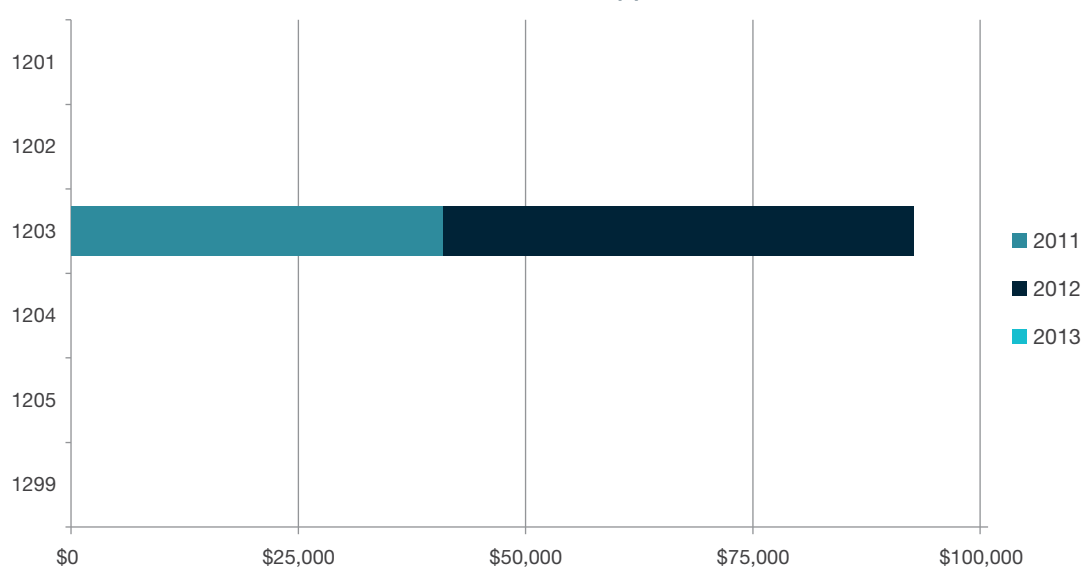
Continued

FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
1201 Architecture	45.2	43.2	90.6	99.3	22.3	13.7	314.3
1202 Building	19.9	24.2	51.7	43.0	9.4	3.8	152.0
1203 Design Practice and Management	21.5	29.5	69.5	87.7	22.9	9.5	240.6
1204 Engineering Design	1.0	0.7	2.8	1.9	5.8	1.4	13.6
1205 Urban and Regional Planning	45.0	42.7	63.8	73.3	22.6	15.6	263.1
1299 Other Built Environment and Design	4.6	5.1	32.2	55.9	22.5	5.7	125.9
Total	137.3	145.4	310.7	361.1	105.5	49.6	1,109.6

PATENT PROFILE

Note: There were no patents submitted by UoEs in this FoR.

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)

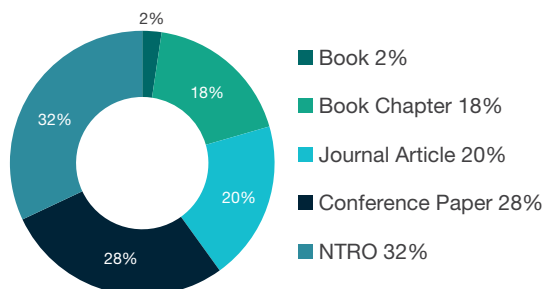


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1201 Architecture	0	0	0	0
1202 Building	0	0	0	0
1203 Design Practice and Management	40,895	51,797	0	92,692
1204 Engineering Design	0	0	0	0
1205 Urban and Regional Planning	0	0	0	0
1299 Other Built Environment and Design	0	0	0	0
Total	40,895	51,797	0	92,692

1201 Architecture

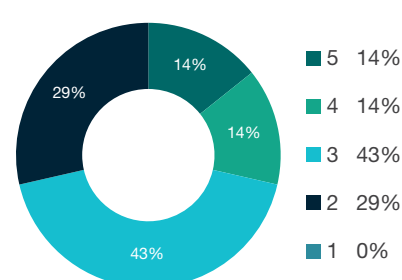
Indicator	No.
Research outputs	2,685.2
Research income	\$21,356,181
FTEs	314.3
Esteem count	11.9
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	2
3	6
2	4
1	0
Total	14

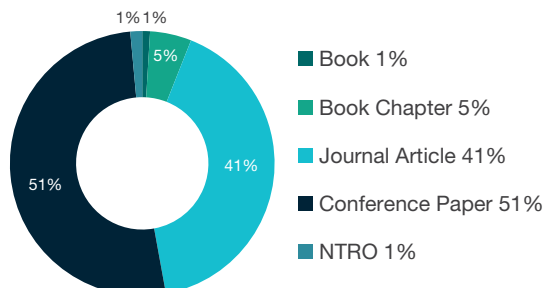
FOR RATING DISTRIBUTION



1202 Building

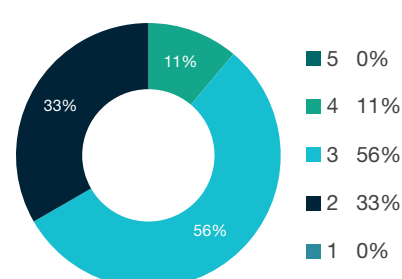
Indicator	No.
Research outputs	2,050.2
Research income	\$9,133,862
FTEs	152.0
Esteem count	1.1
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	1
3	5
2	3
1	0
Total	9

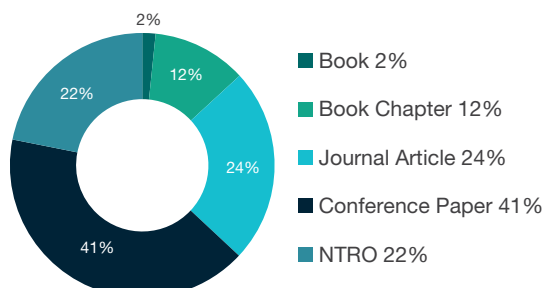
FOR RATING DISTRIBUTION



1203 Design Practice and Management

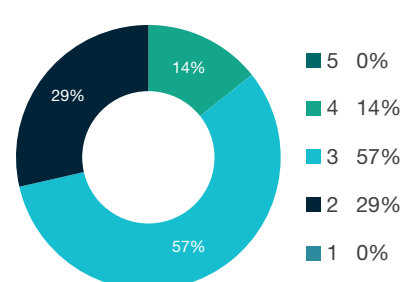
Indicator	No.
Research outputs	1,899.3
Research income	\$11,298,329
FTEs	240.6
Esteem count	3.5
Patents	0.0
Research commercialisation income	\$92,692

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	1
3	4
2	2
1	0
Total	7

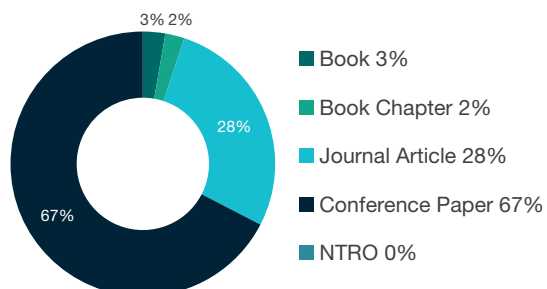
FOR RATING DISTRIBUTION



1204 Engineering Design

Indicator	No.
Research outputs	85.4
Research income	\$869,787
FTEs	13.6
Esteem count	0.0
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

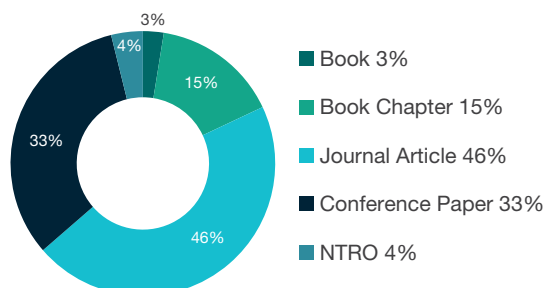
FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 1204.

1205 Urban and Regional Planning

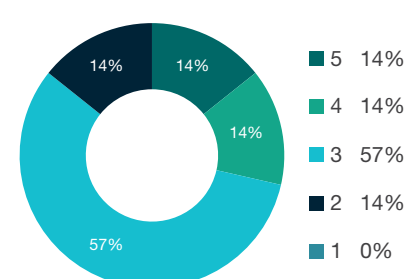
Indicator	No.
Research outputs	2,885.2
Research income	\$46,409,900
FTEs	263.1
Esteem count	11.0
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	2
3	8
2	2
1	0
Total	14

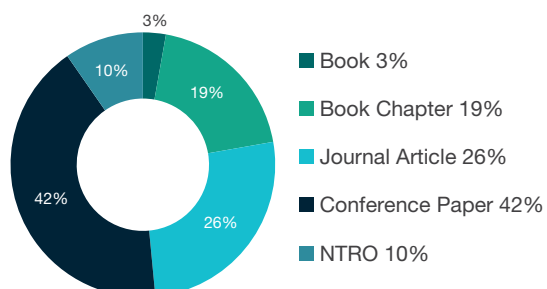
FOR RATING DISTRIBUTION



1299 Other Built Environment and Design

Indicator	No.
Research outputs	328.8
Research income	\$611,716
FTEs	125.9
Esteem count	0.0
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 1299.

13 EDUCATION

Education is comprised of the following four-digit codes:

1301 Education Systems

1302 Curriculum and Pedagogy

1303 Specialist Studies in Education

1399 Other Education

**8 out of 38 two-digit UoEs and
20 out of 93 four-digit UoEs assessed
were rated above world standard**

FoR Overview

Education (13) accounted for approximately five per cent of the research outputs submitted to ERA 2015.

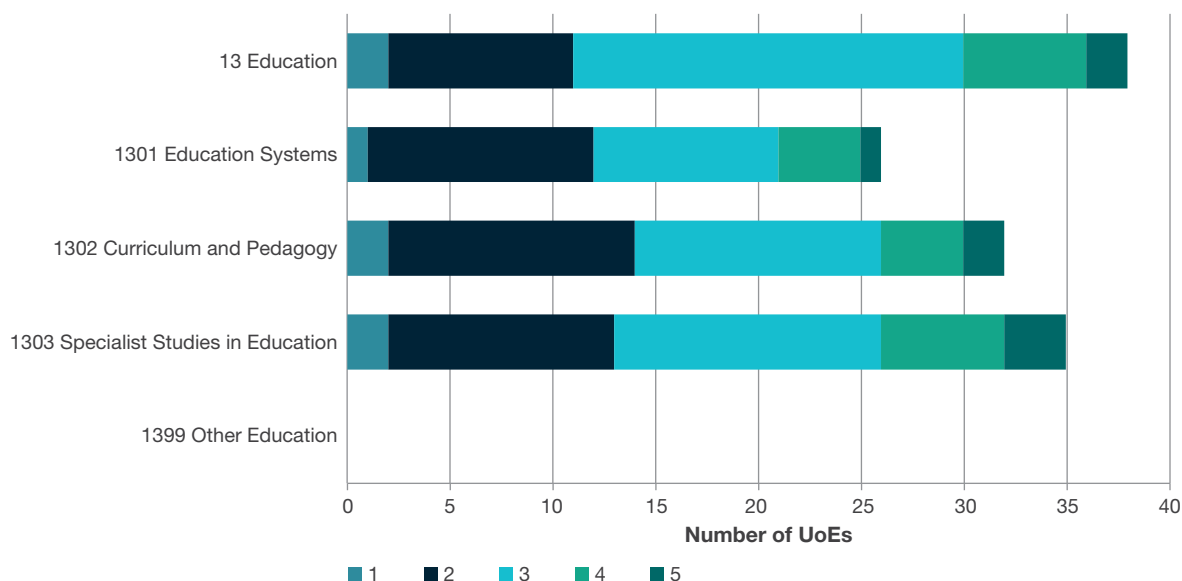
The most common research output type was journal articles (54 per cent), though the proportions of book chapters and conference paper were also high (22 per cent and 20 per cent respectively). Specialist Studies in Education (1303) was the largest Education sub-discipline in terms of volume of outputs, research income and staff FTE.

Education Systems (1301) had the highest amount of research commercialisation income.

Indicator	No.
Research outputs	20,286.9
Research income	\$215,728,415
FTEs	2,938.7
Esteem count	63.7
Patents	–
Research commercialisation income	\$1,362,916

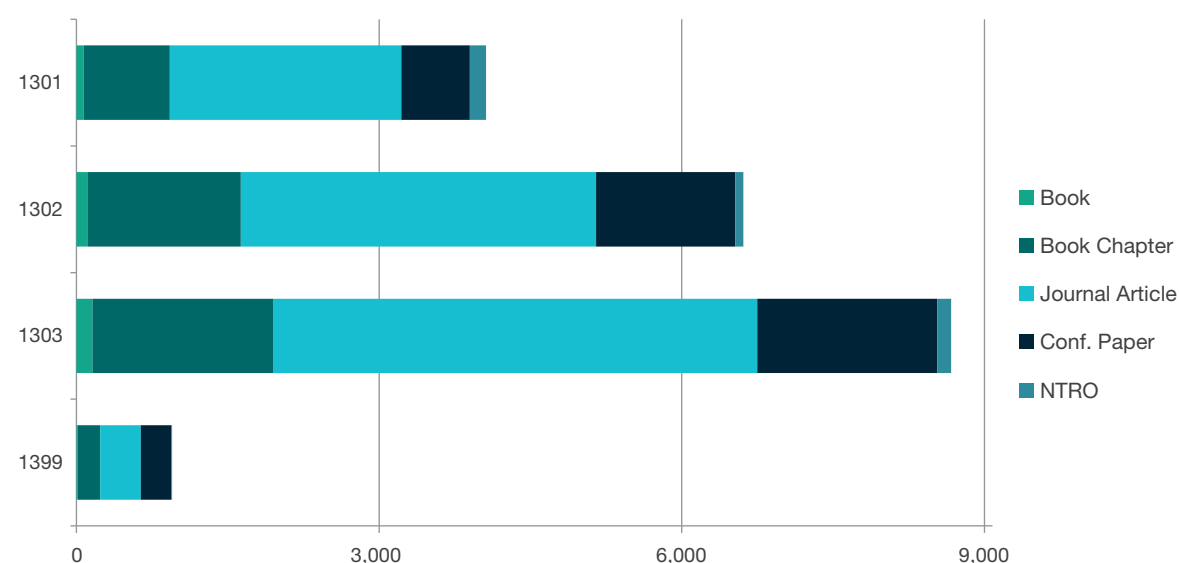
Rating	Distribution	
	Two-digit	Four-digit
5	2	6
4	6	14
3	19	34
2	9	34
1	2	5
Total	38	93

NUMBER OF UOES PER RATING SCALE SCORE



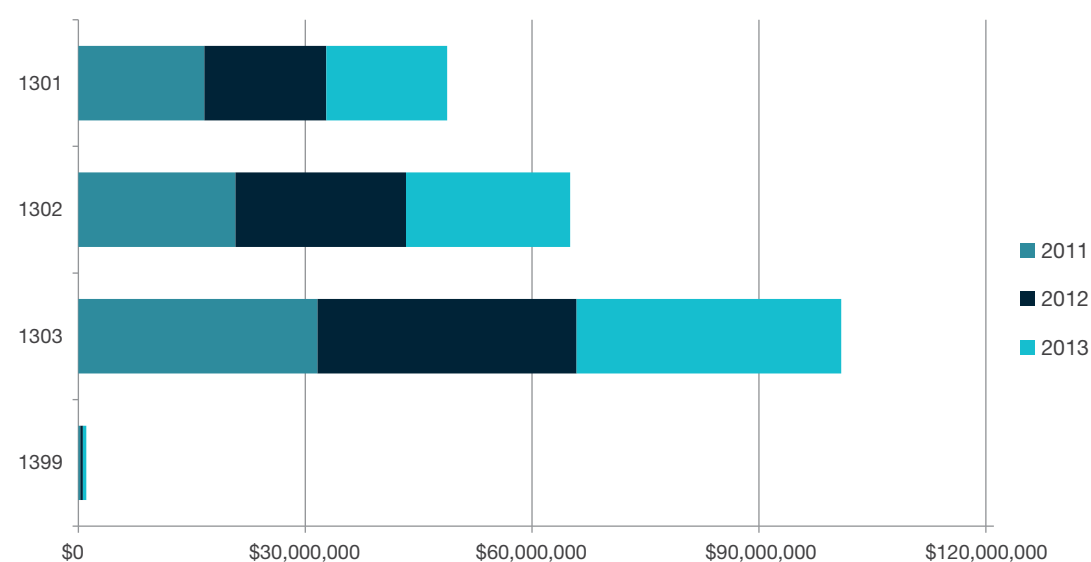
Note: 13 Education shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



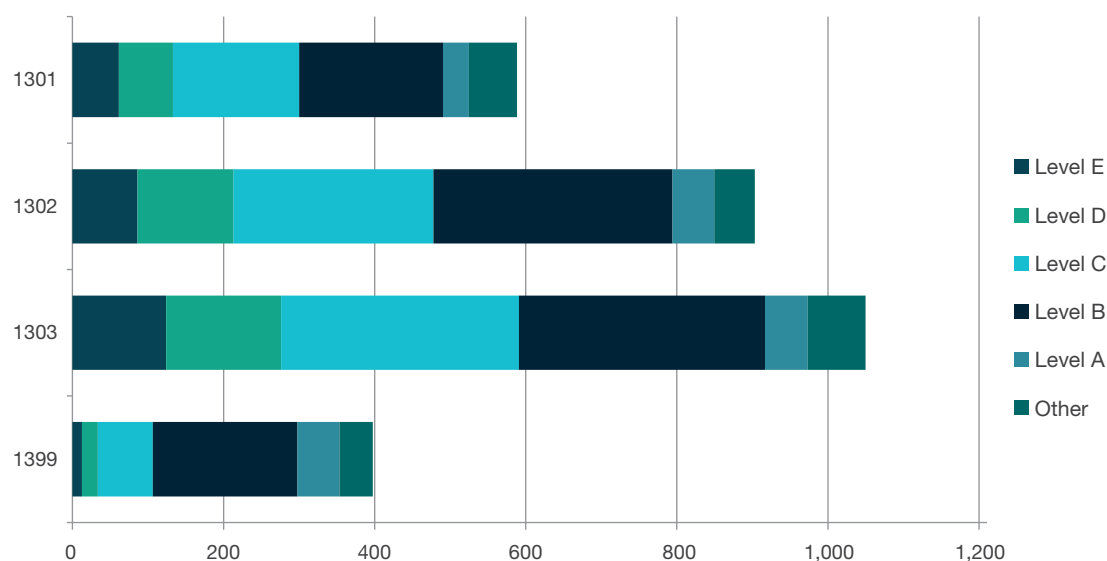
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
1301 Education Systems	72.2	851.9	2,296.3	678.8	160.7	4,060.0
1302 Curriculum and Pedagogy	107.1	1,522.7	3,520.2	1,381.3	80.0	6,611.2
1303 Specialist Studies in Education	158.2	1,789.8	4,800.3	1,782.9	137.8	8,669.1
1399 Other Education	11.9	221.7	404.8	302.7	5.4	946.5
Total	349.4	4,386.2	11,021.6	4,145.7	384.0	20,286.9

RESEARCH INCOME BY YEAR-ALL CATEGORIES (\$)

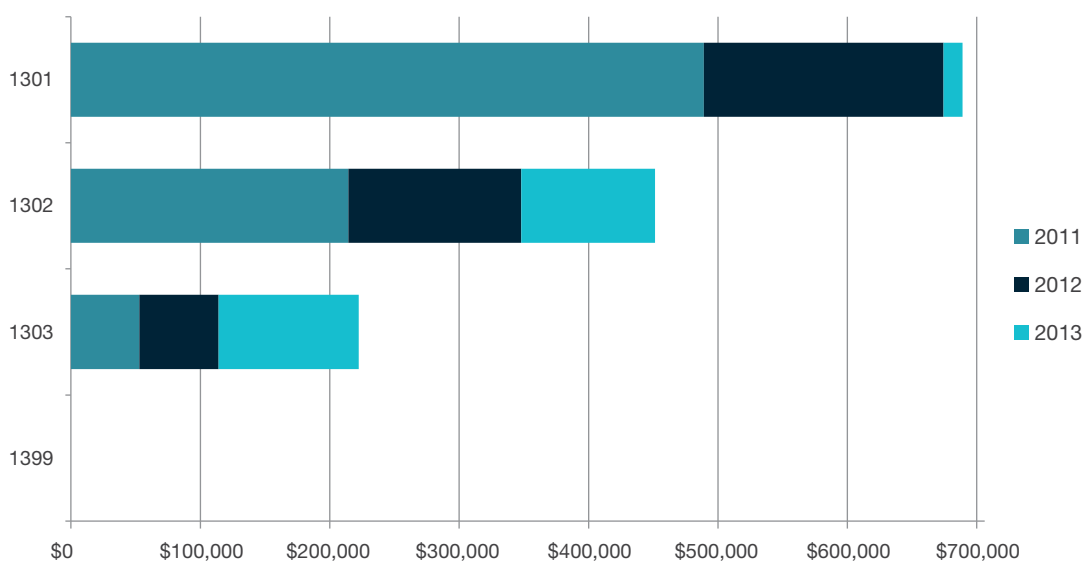


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1301 Education Systems	16,673,945	16,116,103	15,978,542	48,768,590
1302 Curriculum and Pedagogy	20,765,372	22,555,641	21,720,565	65,041,577
1303 Specialist Studies in Education	31,620,174	34,249,332	34,987,713	100,857,219
1399 Other Education	255,393	347,793	457,842	1,061,028
Total	69,314,884	73,268,868	73,144,662	215,728,415

STAFFING PROFILE BY ACADEMIC LEVEL



RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)

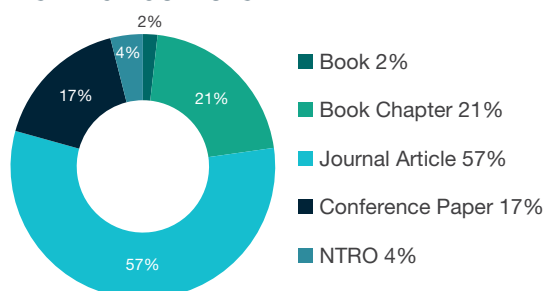


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1301 Education Systems	489,116	185,132	14,804	689,052
1302 Curriculum and Pedagogy	214,389	133,630	103,398	451,416
1303 Specialist Studies in Education	52,868	61,245	108,335	222,448
1399 Other Education	0	0	0	0
Total	756,373	380,007	226,536	1,362,916

1301 Education Systems

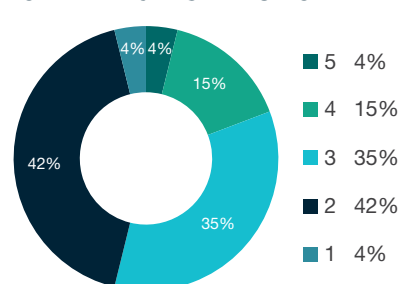
Indicator	No.
Research outputs	4,060.0
Research income	\$48,768,590
FTEs	588.3
Esteem count	17.9
Patents	–
Research commercialisation income	\$689,052

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	4
3	9
2	11
1	1
Total	26

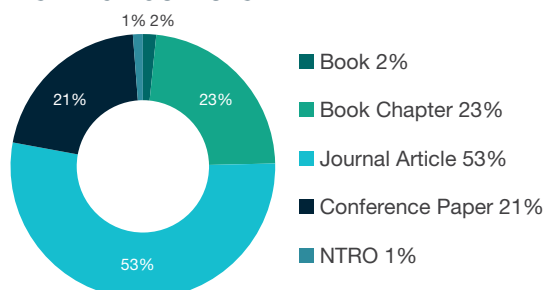
FOR RATING DISTRIBUTION



1302 Curriculum and Pedagogy

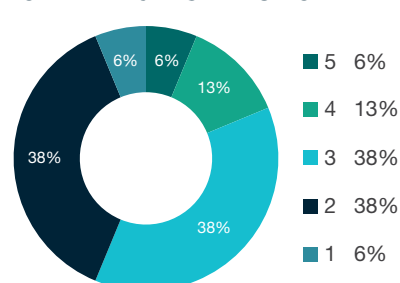
Indicator	No.
Research outputs	6,611.2
Research income	\$65,041,577
FTEs	903.3
Esteem count	16.5
Patents	–
Research commercialisation income	\$451,416

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	4
3	12
2	12
1	2
Total	32

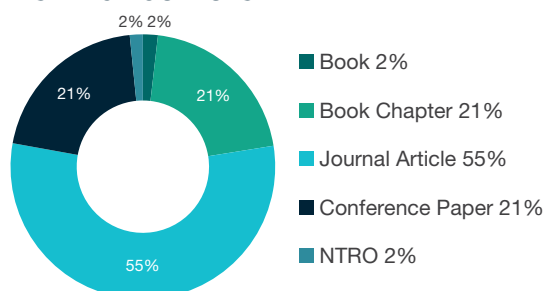
FOR RATING DISTRIBUTION



1303 Specialist Studies in Education

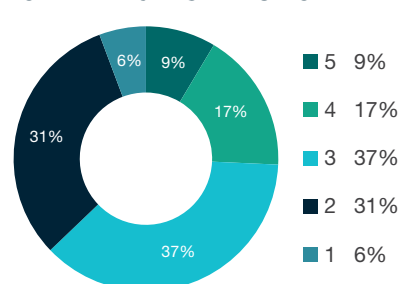
Indicator	No.
Research outputs	8,669.1
Research income	\$100,857,219
FTEs	1,049.7
Esteem count	29.3
Patents	–
Research commercialisation income	\$222,448

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	3
4	6
3	13
2	11
1	2
Total	35

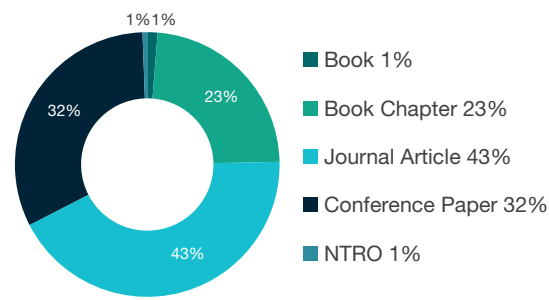
FOR RATING DISTRIBUTION



1399 Other Education

Indicator	No.
Research outputs	946.5
Research income	\$1,061,028
FTEs	397.4
Esteem count	0.0
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 1399.

14 ECONOMICS

Economics is comprised of the following four-digit codes:

1401 Economic Theory

1402 Applied Economics

1403 Econometrics

1499 Other Economics

**7 out of 34 two-digit UoEs and
18 out of 46 four-digit UoEs assessed
were rated above world standard**

FoR Overview

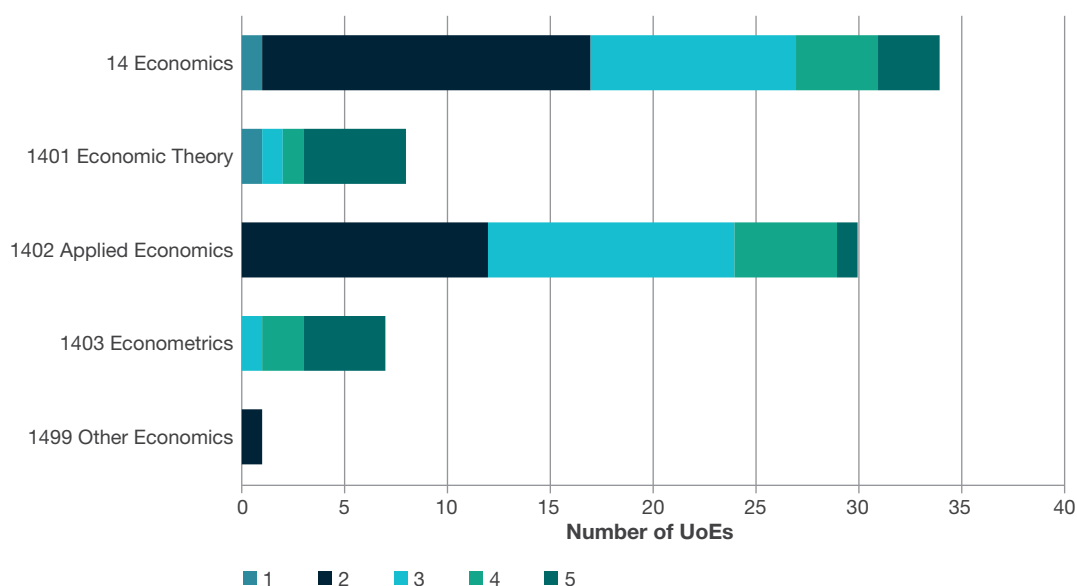
Economics (14) accounted for approximately two per cent of the research outputs submitted to ERA 2015.

Journal articles were the primary research output type (76 per cent). Applied Economics (1402) was the largest Economics sub-discipline, in terms of research outputs, research income, staffing levels and research commercialisation income.

Indicator	No.
Research outputs	7,386.5
Research income	\$151,172,292
FTEs	947.3
Esteem count	91.9
Patents	–
Research commercialisation income	\$12,843

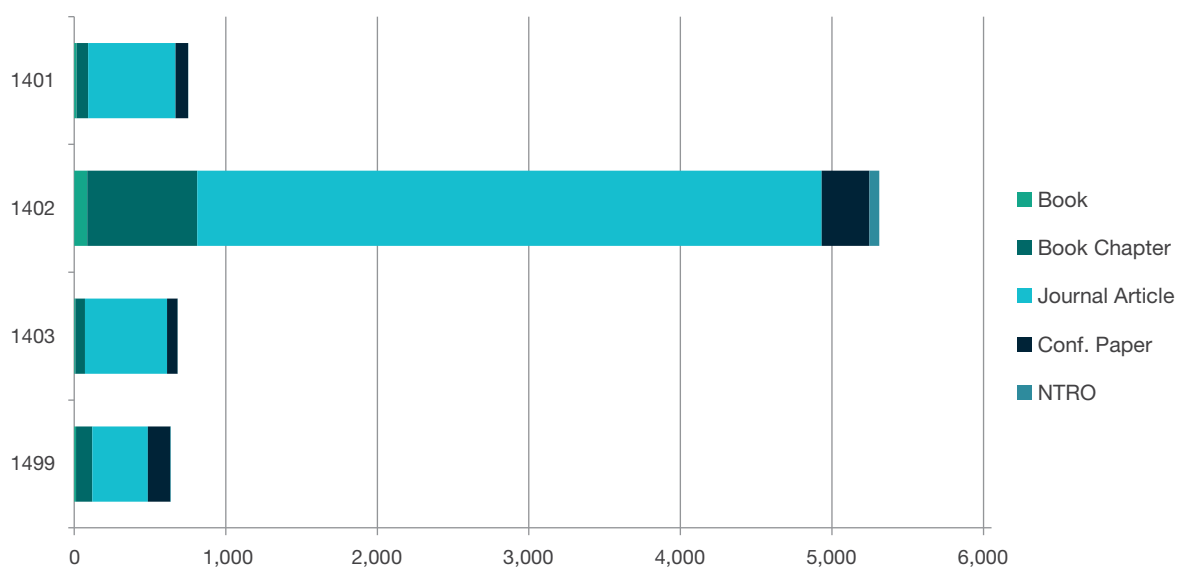
Rating	Distribution	
	Two-digit	Four-digit
5	3	10
4	4	8
3	10	14
2	16	13
1	1	1
Total	34	46

NUMBER OF UOES PER RATING SCALE SCORE



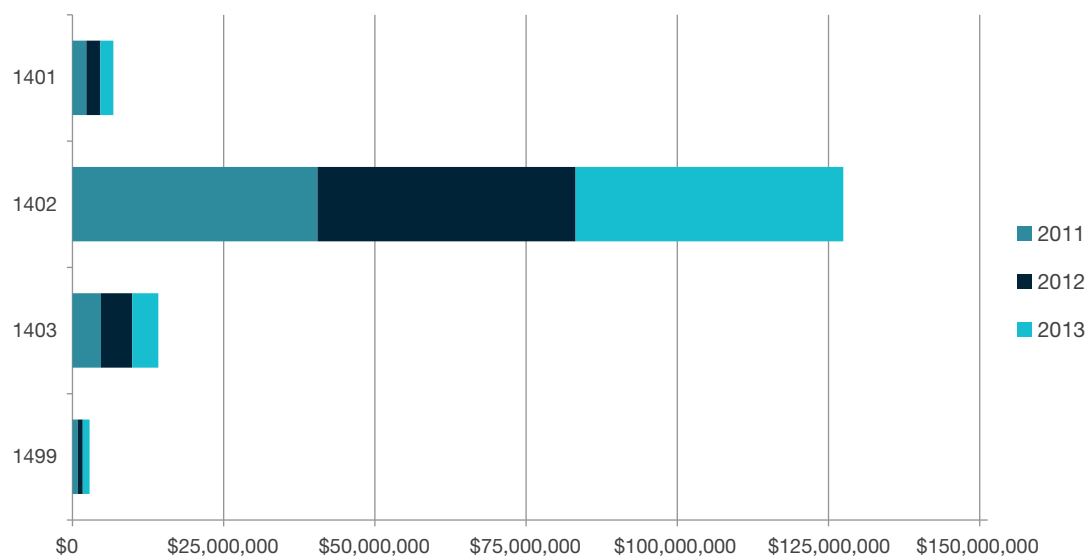
Note: 14 Economics shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



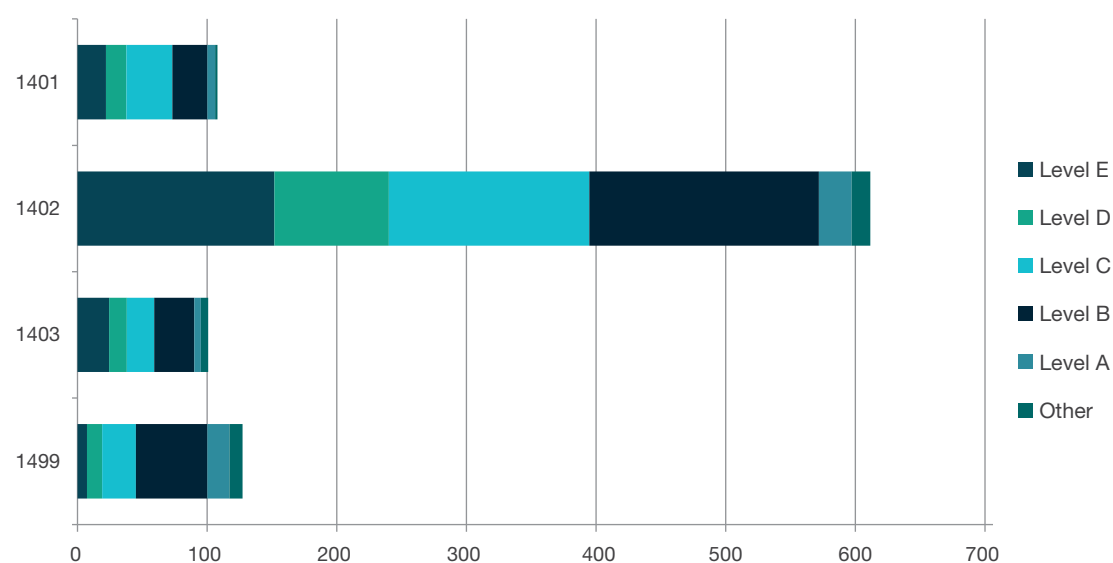
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
1401 Economic Theory	15.0	77.3	576.7	82.6	1.0	752.5
1402 Applied Economics	85.6	726.0	4,120.9	315.8	64.5	5,312.8
1403 Econometrics	7.9	62.2	542.7	69.2	1.0	683.0
1499 Other Economics	12.4	106.7	365.9	148.2	4.9	638.2
Total	120.9	972.2	5,606.2	615.8	71.4	7,386.5

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)

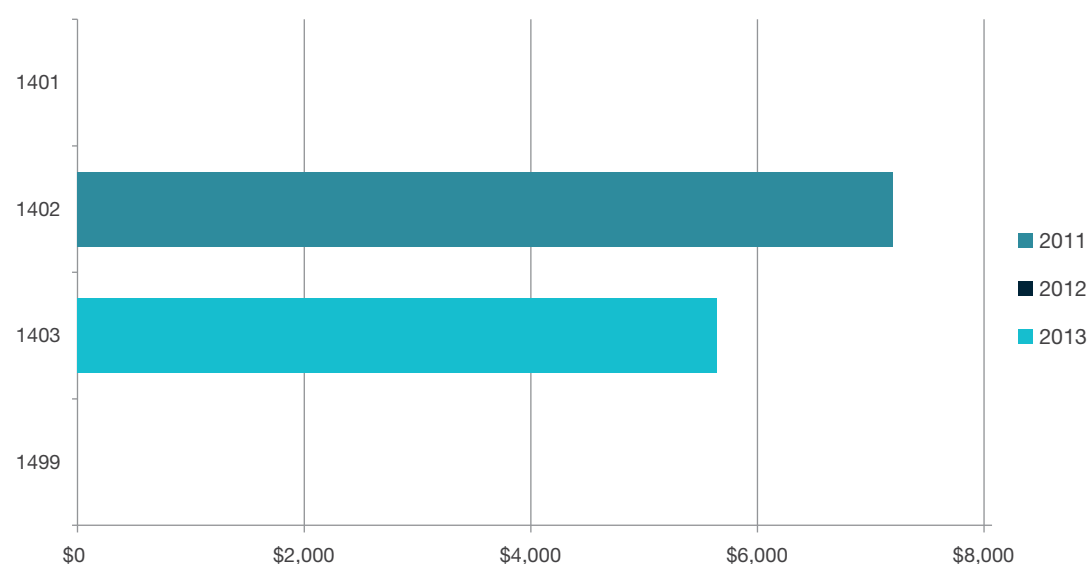


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1401 Economic Theory	2,283,601	2,293,477	2,161,014	6,738,091
1402 Applied Economics	40,502,304	42,664,126	44,260,373	127,426,803
1403 Econometrics	4,700,113	5,175,075	4,323,065	14,198,254
1499 Other Economics	859,913	830,124	1,119,107	2,809,144
Total	48,345,931	50,962,802	51,863,559	151,172,292

STAFFING PROFILE BY ACADEMIC LEVEL



RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)

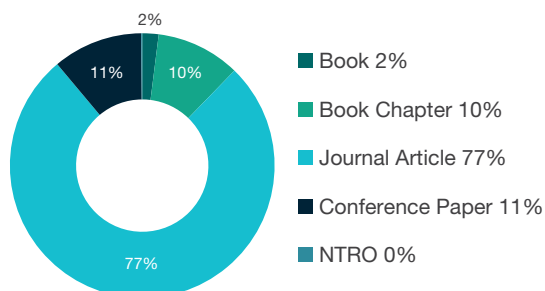


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1401 Economic Theory	0	0	0	0
1402 Applied Economics	7,201	0	0	7,201
1403 Econometrics	0	0	5,642	5,642
1499 Other Economics	0	0	0	0
Total	7,201	0	5,642	12,843

1401 Economic Theory

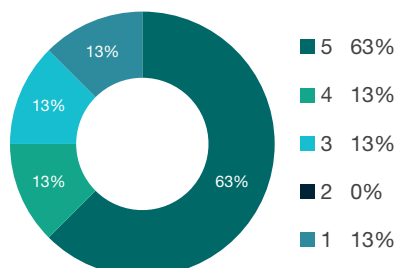
Indicator	No.
Research outputs	752.5
Research income	\$6,738,091
FTEs	107.8
Esteem count	9.3
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	5
4	1
3	1
2	0
1	1
Total	8

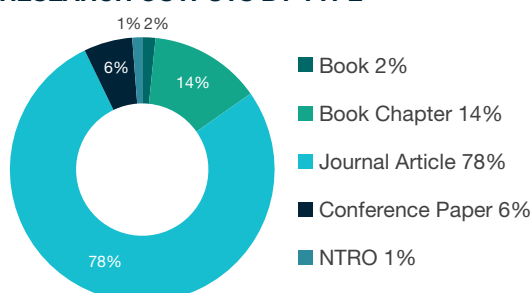
FOR RATING DISTRIBUTION



1402 Applied Economics

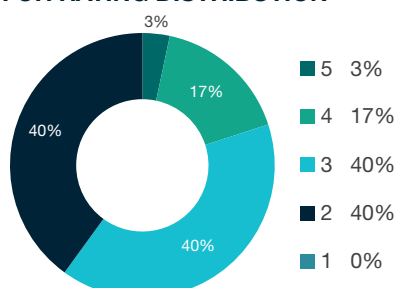
Indicator	No.
Research outputs	5,312.8
Research income	\$127,426,803
FTEs	611.5
Esteem count	70.3
Patents	–
Research commercialisation income	\$7,201

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	5
3	12
2	12
1	0
Total	30

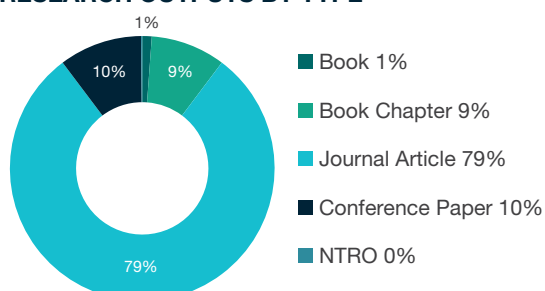
FOR RATING DISTRIBUTION



1403 Econometrics

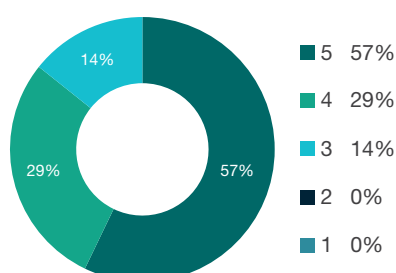
Indicator	No.
Research outputs	683.0
Research income	\$14,198,254
FTEs	100.7
Esteem count	12.0
Patents	–
Research commercialisation income	\$5,642

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	4
4	2
3	1
2	0
1	0
Total	7

FOR RATING DISTRIBUTION

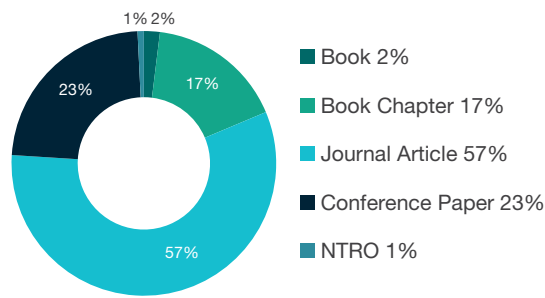


1499 Other Economics

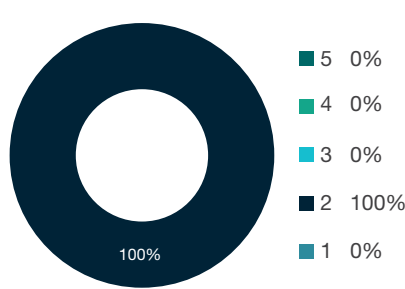
Indicator	No.
Research outputs	638.2
Research income	\$2,809,144
FTEs	127.3
Esteem count	0.4
Patents	-
Research commercialisation income	\$0

Rating	Distribution
5	0
4	0
3	0
2	1
1	0
Total	1

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION



15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES

Commerce, Management, Tourism and Services is comprised of the following four-digit codes:

1501 Accounting, Auditing and Accountability

1502 Banking, Finance and Investment

1503 Business and Management

1504 Commercial Services

1505 Marketing

1506 Tourism

1507 Transportation and Freight Services

1599 Other Commerce, Management, Tourism and Services

8 out of 37 two-digit UoEs and
40 out of 120 four-digit UoEs
assessed were rated above
world standard

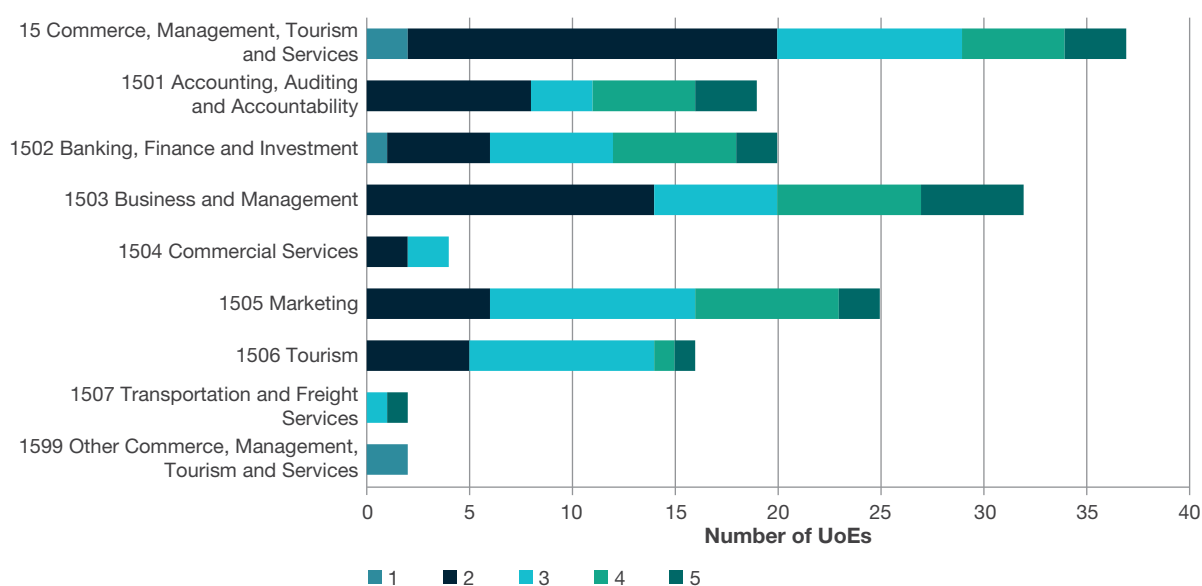
FoR Overview

Commerce, Management, Tourism and Services (15) contributed approximately five per cent of the research outputs to ERA 2015. Journal articles were the most common research output type (62 per cent), though a moderately high proportion of conference papers were submitted (24 per cent). Business and Management (1503) was the largest discipline sub-grouping in terms of research outputs, research income and staffing profile. Commercial Services (1504) had the highest research commercialisation income.

Indicator	No.
Research outputs	23,384.0
Research income	\$153,344,580
FTEs	3,175.4
Esteem count	46.9
Patents	–
Research commercialisation income	\$148,065

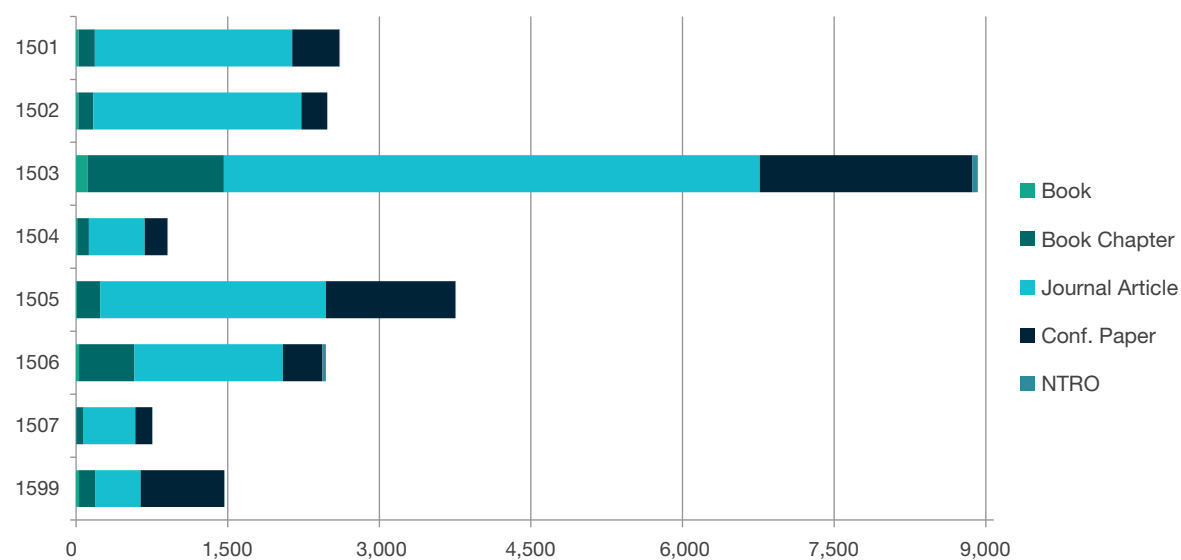
Rating	Distribution	
	Two-digit	Four-digit
5	3	14
4	5	26
3	9	37
2	18	40
1	2	3
Total	37	120

NUMBER OF UOES PER RATING SCALE SCORE



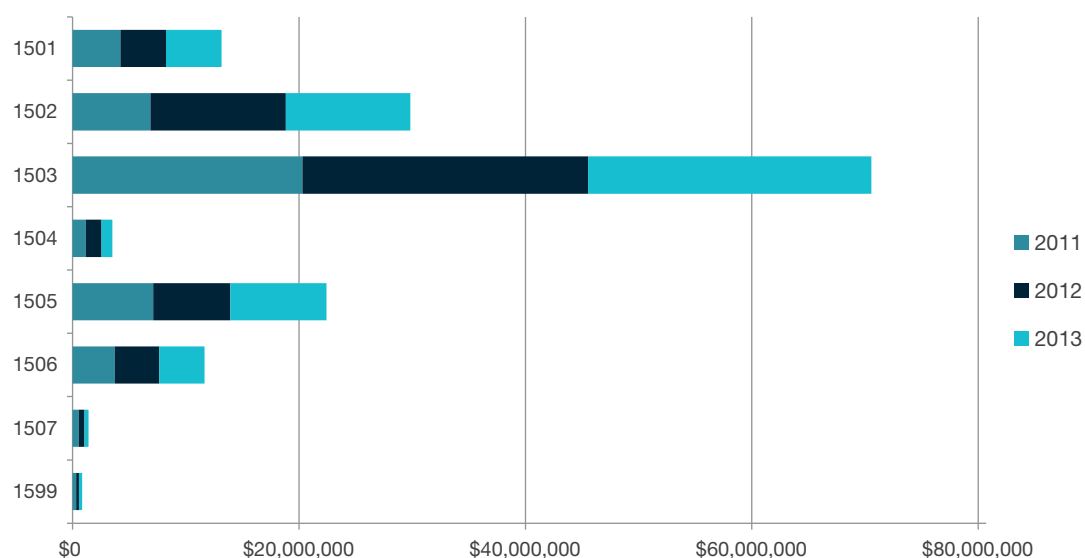
Note: 15 Commerce, Management, Tourism and Services shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



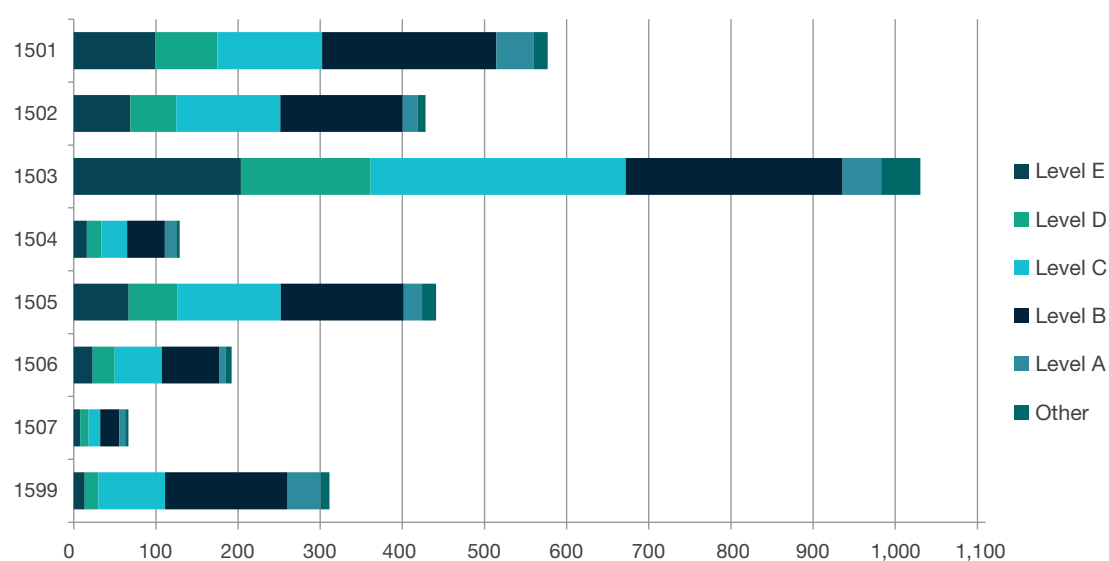
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
1501 Accounting, Auditing and Accountability	24.6	160.6	1,953.1	466.5	8.0	2,612.7
1502 Banking, Finance and Investment	22.0	147.0	2,060.1	252.6	4.9	2,486.6
1503 Business and Management	112.4	1,350.2	5,302.1	2,100.8	55.3	8,920.8
1504 Commercial Services	11.0	115.4	551.4	224.6	6.5	908.9
1505 Marketing	8.4	228.4	2,235.2	1,279.4	7.8	3,759.2
1506 Tourism	28.7	548.8	1,468.8	392.0	33.3	2,471.6
1507 Transportation and Freight Services	2.0	73.0	512.0	166.5	3.0	756.6
1599 Other Commerce, Management, Tourism and Services	28.4	164.3	445.1	828.7	1.0	1,467.5
Total	237.5	2,787.7	14,527.8	5,711.2	119.8	23,384.0

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)

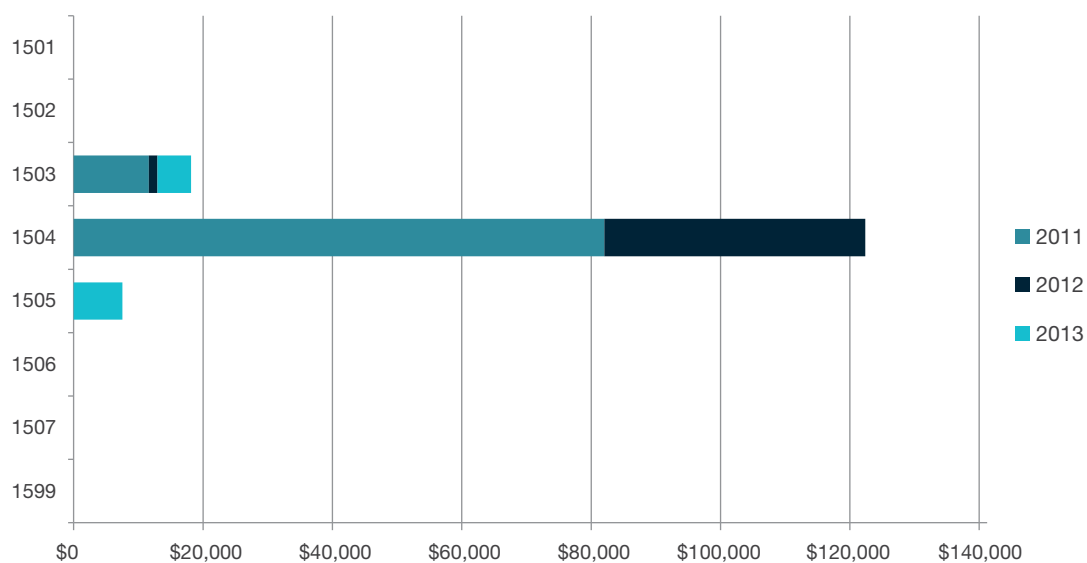


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1501 Accounting, Auditing and Accountability	4,222,976	4,025,253	4,903,593	13,151,821
1502 Banking, Finance and Investment	6,869,136	11,961,364	10,993,627	29,824,126
1503 Business and Management	20,300,218	25,241,759	25,018,735	70,560,712
1504 Commercial Services	1,157,818	1,394,349	955,817	3,507,985
1505 Marketing	7,115,266	6,803,645	8,498,254	22,417,165
1506 Tourism	3,719,891	3,929,805	3,994,752	11,644,448
1507 Transportation and Freight Services	534,454	512,752	351,528	1,398,734
1599 Other Commerce, Management, Tourism and Services	305,893	249,144	284,552	839,589
Total	44,225,651	54,118,071	55,000,858	153,344,580

STAFFING PROFILE BY ACADEMIC LEVEL



FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
1501 Accounting, Auditing and Accountability	99.3	75.6	127.4	212.2	45.6	16.8	576.9
1502 Banking, Finance and Investment	68.8	56.1	126.5	149.1	18.3	9.3	428.1
1503 Business and Management	203.4	158.0	310.3	264.2	46.8	47.8	1,030.6
1504 Commercial Services	16.0	17.5	31.3	46.1	13.9	4.1	129.0
1505 Marketing	66.8	59.5	125.7	149.7	22.3	16.9	441.0
1506 Tourism	22.9	26.9	57.4	70.2	7.2	7.6	192.2
1507 Transportation and Freight Services	7.8	10.4	14.2	23.3	6.9	4.1	66.6
1599 Other Commerce, Management, Tourism and Services	13.2	16.5	81.4	149.1	40.1	10.8	311.2
Total	498.3	420.6	874.2	1,063.8	201.1	117.4	3,175.4

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)

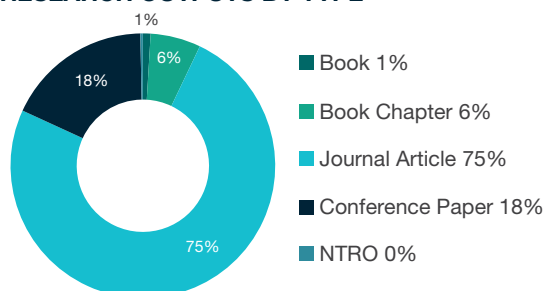
FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1501 Accounting, Auditing and Accountability	0	0	0	0
1502 Banking, Finance and Investment	0	0	0	0
1503 Business and Management	11,606	1,350	5,184	18,139
1504 Commercial Services	82,045	40,342	0	122,387
1505 Marketing	0	0	7,539	7,539
1506 Tourism	0	0	0	0
1507 Transportation and Freight Services	0	0	0	0
1599 Other Commerce, Management, Tourism and Services	0	0	0	0
Total	93,650	41,692	12,723	148,065

1501 Accounting, Auditing and Accountability

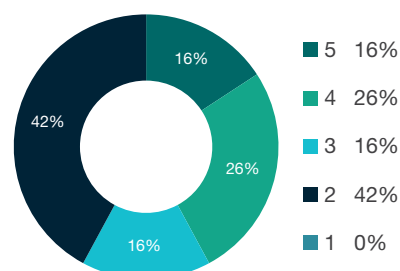
Indicator	No.
Research outputs	2,612.7
Research income	\$13,151,821
FTEs	576.9
Esteem count	7.2
Patents	–
Research commercialisation income	\$0

Rating	Distribution
5	3
4	5
3	3
2	8
1	0
Total	19

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION

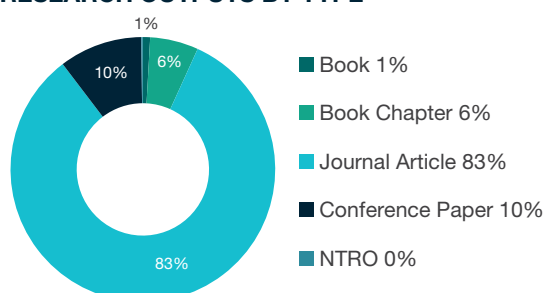


1502 Banking, Finance and Investment

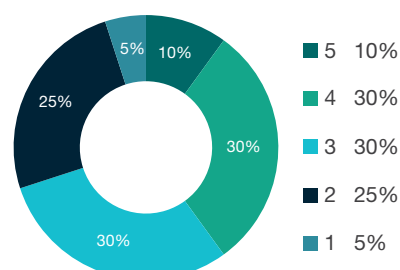
Indicator	No.
Research outputs	2,486.6
Research income	\$29,824,126
FTEs	428.1
Esteem count	4.2
Patents	–
Research commercialisation income	\$0

Rating	Distribution
5	2
4	6
3	6
2	5
1	1
Total	20

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION

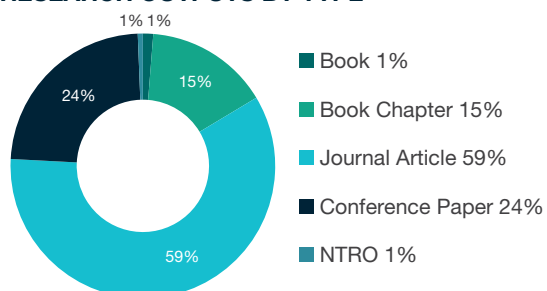


1503 Business and Management

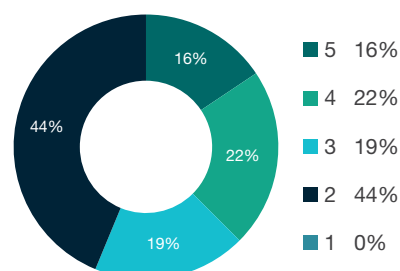
Indicator	No.
Research outputs	8,920.8
Research income	\$70,560,712
FTEs	1,030.6
Esteem count	29.6
Patents	–
Research commercialisation income	\$18,139

Rating	Distribution
5	5
4	7
3	6
2	14
1	0
Total	32

RESEARCH OUTPUTS BY TYPE



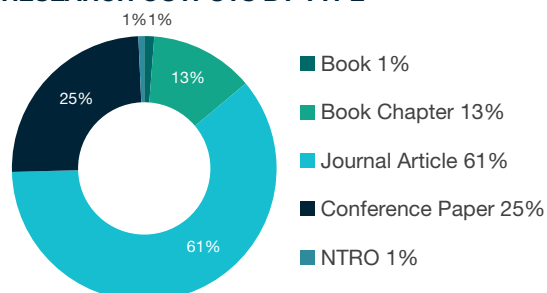
FOR RATING DISTRIBUTION



1504 Commercial Services

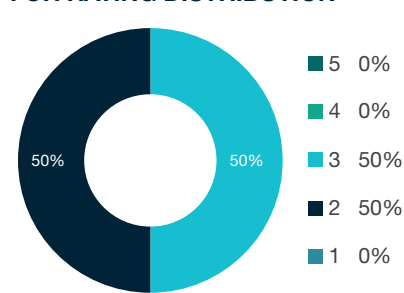
Indicator	No.
Research outputs	908.9
Research income	\$3,507,985
FTEs	129.0
Esteem count	0.0
Patents	–
Research commercialisation income	\$122,387

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	2
2	2
1	0
Total	4

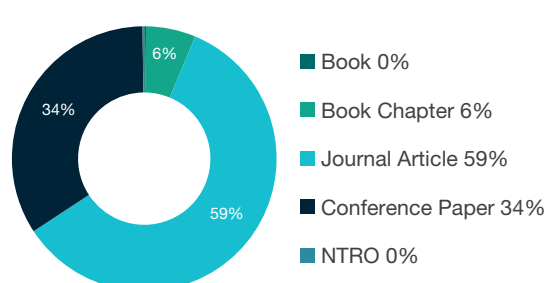
FOR RATING DISTRIBUTION



1505 Marketing

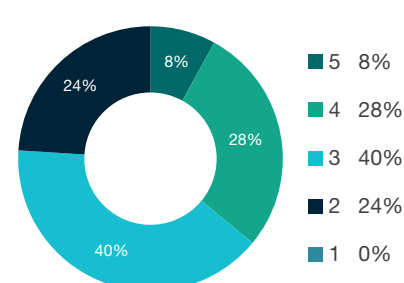
Indicator	No.
Research outputs	3,759.2
Research income	\$22,417,165
FTEs	441.0
Esteem count	2.1
Patents	–
Research commercialisation income	\$7,539

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	7
3	10
2	6
1	0
Total	25

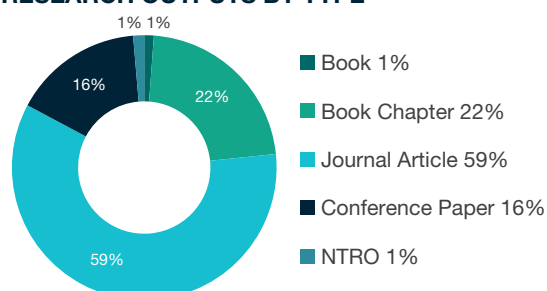
FOR RATING DISTRIBUTION



1506 Tourism

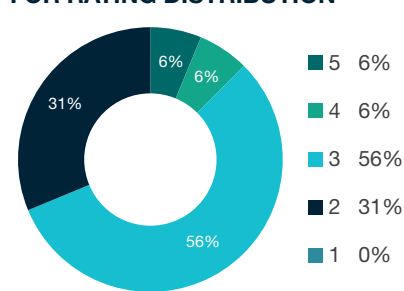
Indicator	No.
Research outputs	2,471.6
Research income	\$11,644,448
FTEs	192.2
Esteem count	2.7
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	1
3	9
2	5
1	0
Total	16

FOR RATING DISTRIBUTION

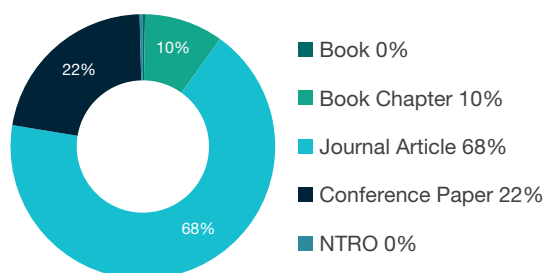


1507 Transportation and Freight Services

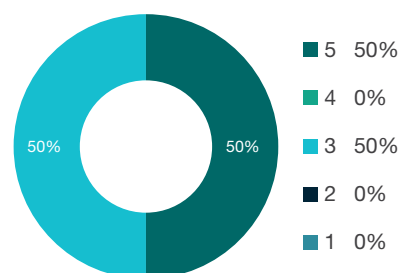
Indicator	No.
Research outputs	756.6
Research income	\$1,398,734
FTEs	66.6
Esteem count	1.1
Patents	–
Research commercialisation income	\$0

Rating	Distribution
5	1
4	0
3	1
2	0
1	0
Total	2

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION

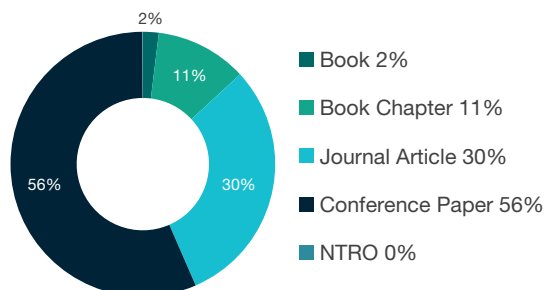


1599 Other Commerce, Management, Tourism and Services

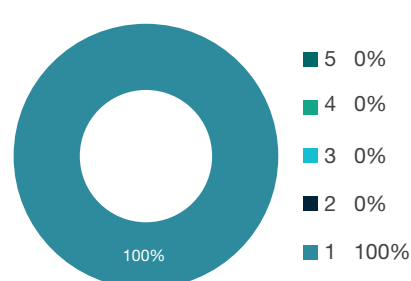
Indicator	No.
Research outputs	1,467.5
Research income	\$839,589
FTEs	311.2
Esteem count	0.0
Patents	–
Research commercialisation income	\$0

Rating	Distribution
5	0
4	0
3	0
2	0
1	2
Total	2

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION



16 STUDIES IN HUMAN SOCIETY

Studies in Human Society is comprised of the following four-digit codes:

1601 Anthropology

1602 Criminology

1603 Demography

1604 Human Geography

1605 Policy and Administration

1606 Political Science

1607 Social Work

1608 Sociology

1699 Other Studies in Human Society

10 out of 39 two-digit UoEs and
43 out of 121 four-digit UoEs assessed
were rated above world standard

FoR Overview

Studies in Human Society (16) contributed approximately five per cent of the research outputs to ERA 2015.

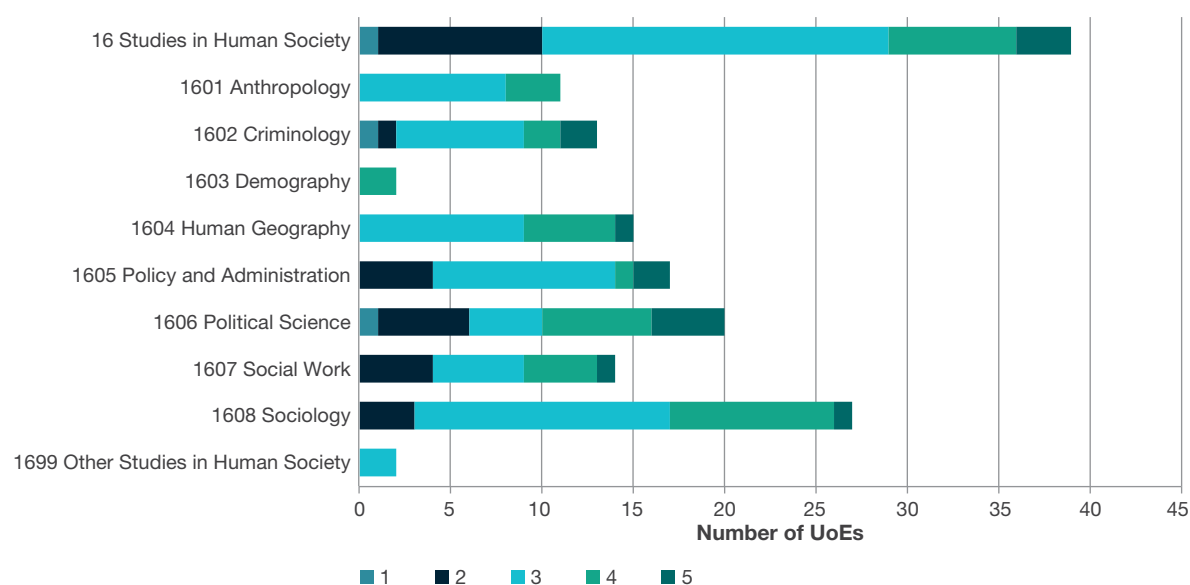
Journal articles were the most common research output type (58 per cent), followed by book chapters (29 per cent).

The three largest sub-disciplines in terms of research outputs, research income and staff FTE were Policy and Administration (1605), Political Science (1606) and Sociology (1608). No research commercialisation income was submitted to ERA 2015 for Studies in Human Society (16).

Indicator	No.
Research outputs	22,976.7
Research income	\$392,138,498
FTEs	2,411.9
Esteem count	294.2
Patents	–
Research commercialisation income	\$0

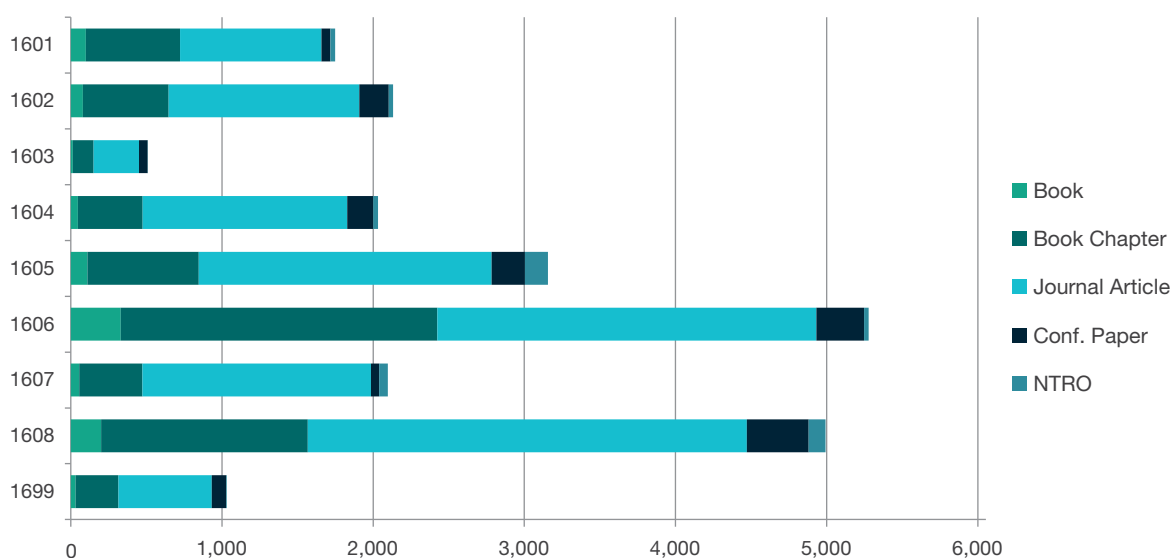
Rating	Distribution	
	Two-digit	Four-digit
5	3	11
4	7	32
3	19	59
2	9	17
1	1	2
Total	39	121

NUMBER OF UOES PER RATING SCALE SCORE



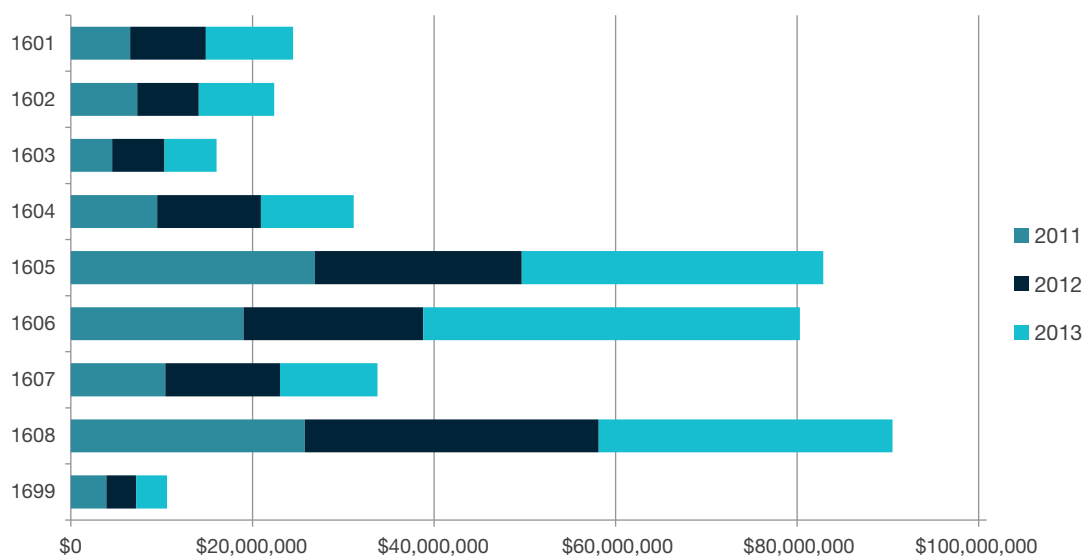
Note: 16 Studies in Human Society shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



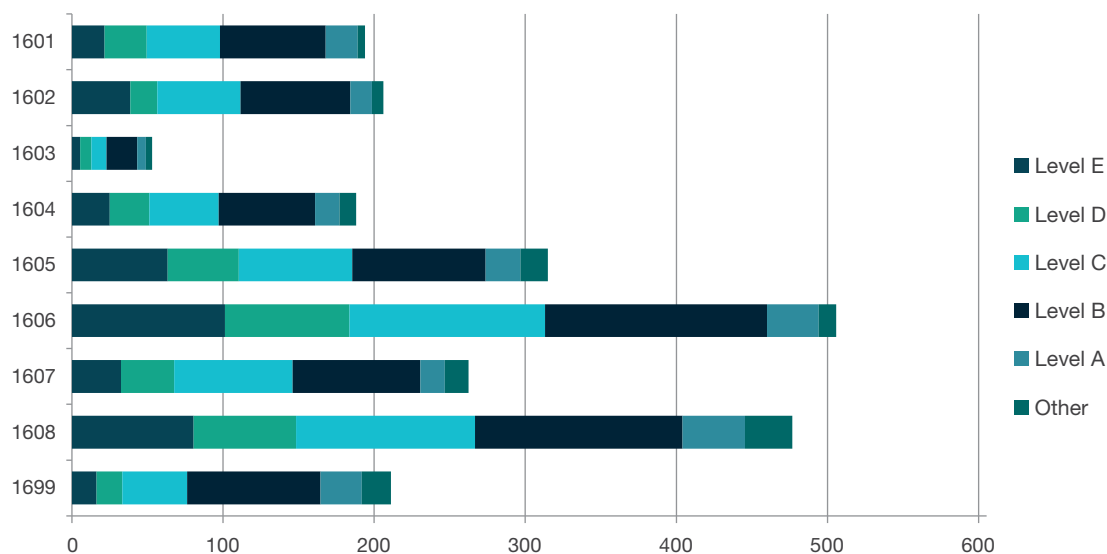
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
1601 Anthropology	99.2	623.8	934.5	60.1	30.5	1,748.2
1602 Criminology	79.8	567.7	1,260.8	195.1	28.3	2,131.6
1603 Demography	13.4	136.8	300.8	57.0	0.7	508.6
1604 Human Geography	47.2	427.5	1,354.4	171.3	32.0	2,032.3
1605 Policy and Administration	110.1	736.7	1,937.4	219.6	152.8	3,156.5
1606 Political Science	330.9	2,094.1	2,507.4	315.3	29.6	5,277.3
1607 Social Work	56.0	417.2	1,512.8	53.2	58.1	2,097.4
1608 Sociology	200.3	1,367.8	2,904.4	408.8	111.3	4,992.6
1699 Other Studies in Human Society	31.4	283.9	617.5	95.2	4.3	1,032.3
Total	968.1	6,655.5	13,329.9	1,575.6	447.6	22,976.7

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)



FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1601 Anthropology	6,523,781	8,343,077	9,594,166	24,461,024
1602 Criminology	7,308,613	6,777,671	8,313,583	22,399,866
1603 Demography	4,554,351	5,760,699	5,739,380	16,054,430
1604 Human Geography	9,492,754	11,431,980	10,236,972	31,161,707
1605 Policy and Administration	26,881,926	22,789,748	33,207,261	82,878,935
1606 Political Science	19,030,160	19,776,275	41,505,782	80,312,217
1607 Social Work	10,408,564	12,631,136	10,737,202	33,776,902
1608 Sociology	25,777,621	32,354,734	32,370,445	90,502,800
1699 Other Studies in Human Society	3,915,607	3,277,767	3,397,242	10,590,617
Total	113,893,377	123,143,087	155,102,033	392,138,498

STAFFING PROFILE BY ACADEMIC LEVEL



Continued

FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
1601 Anthropology	21.6	27.8	48.6	69.9	21.3	4.8	193.9
1602 Criminology	38.5	18.0	54.9	72.7	14.3	7.6	206.1
1603 Demography	5.3	7.5	10.1	20.3	5.7	4.1	53.0
1604 Human Geography	25.1	26.2	45.8	63.9	16.2	10.9	188.1
1605 Policy and Administration	63.4	47.0	75.1	88.3	23.0	18.2	314.9
1606 Political Science	101.2	82.4	129.5	146.8	34.3	11.5	505.7
1607 Social Work	32.4	35.2	78.4	84.5	16.2	15.8	262.5
1608 Sociology	80.5	67.7	118.5	137.4	41.3	31.3	476.7
1699 Other Studies in Human Society	16.3	17.0	42.9	88.3	27.3	19.2	211.1
Total	384.5	328.7	603.9	772.0	199.4	123.4	2,411.9

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)

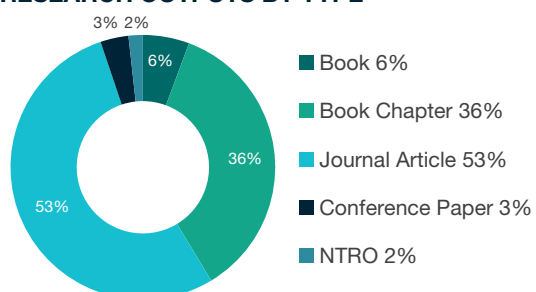
Note: There was no research commercialisation income reported by UoEs in this FoR.

1601 Anthropology

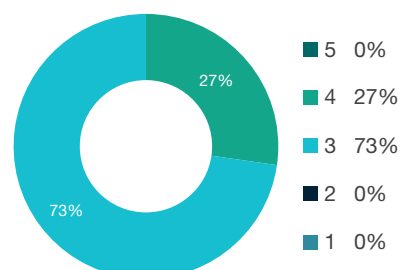
Indicator	No.
Research outputs	1,748.2
Research income	\$24,461,024
FTEs	193.9
Esteem count	66.7
Patents	–
Research commercialisation income	\$0

Rating	Distribution
5	0
4	3
3	8
2	0
1	0
Total	11

RESEARCH OUTPUTS BY TYPE



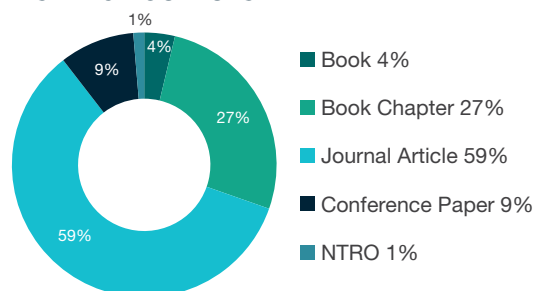
FOR RATING DISTRIBUTION



1602 Criminology

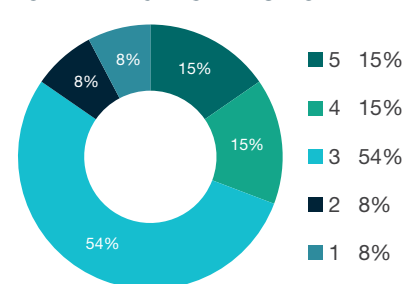
Indicator	No.
Research outputs	2,131.6
Research income	\$22,399,866
FTEs	206.1
Esteem count	11.6
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	2
3	7
2	1
1	1
Total	13

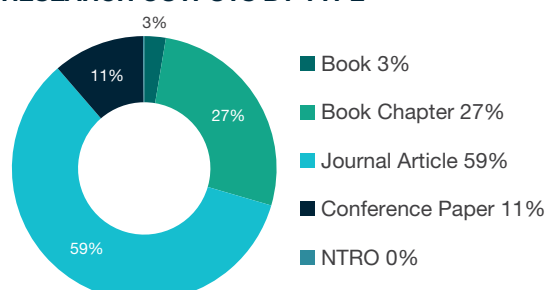
FOR RATING DISTRIBUTION



1603 Demography

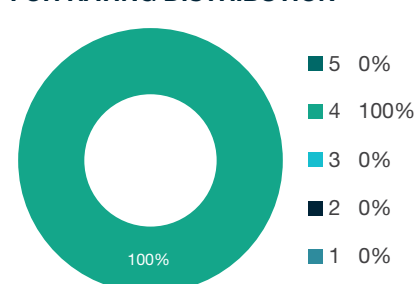
Indicator	No.
Research outputs	508.6
Research income	\$16,054,430
FTEs	53.0
Esteem count	8.3
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	2
3	0
2	0
1	0
Total	2

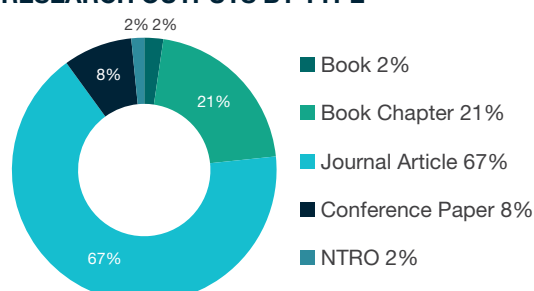
FOR RATING DISTRIBUTION



1604 Human Geography

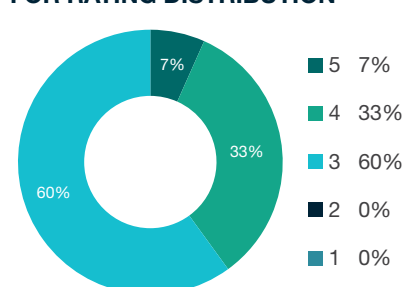
Indicator	No.
Research outputs	2,032.3
Research income	\$31,161,707
FTEs	188.1
Esteem count	29.4
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	5
3	9
2	0
1	0
Total	15

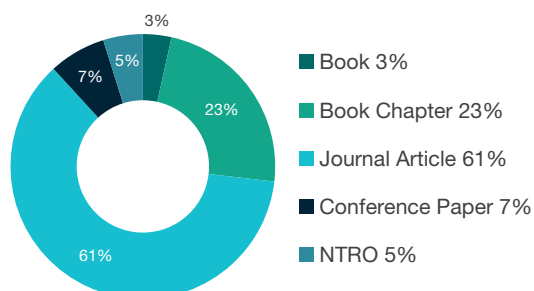
FOR RATING DISTRIBUTION



1605 Policy and Administration

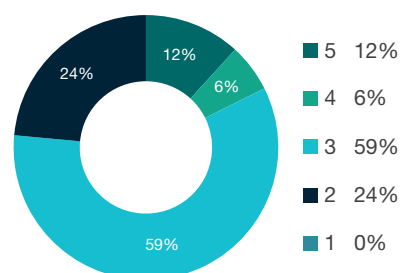
Indicator	No.
Research outputs	3,156.5
Research income	\$82,878,935
FTEs	314.9
Esteem count	30.1
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	1
3	10
2	4
1	0
Total	17

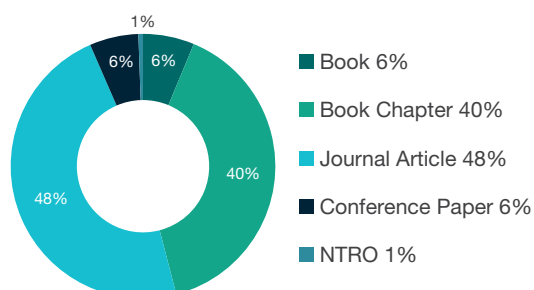
FOR RATING DISTRIBUTION



1606 Political Science

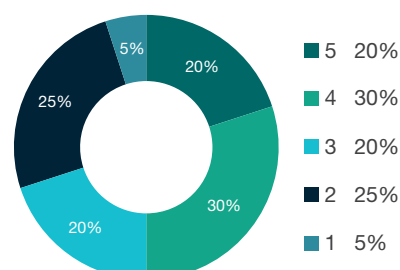
Indicator	No.
Research outputs	5,277.3
Research income	\$80,312,217
FTEs	505.7
Esteem count	82.3
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	4
4	6
3	4
2	5
1	1
Total	20

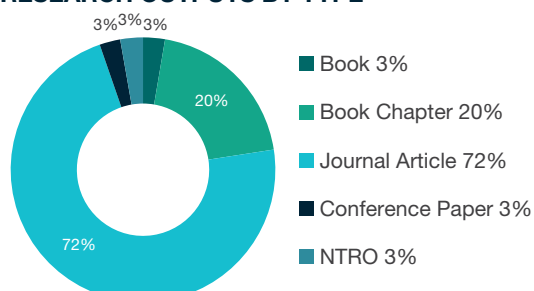
FOR RATING DISTRIBUTION



1607 Social Work

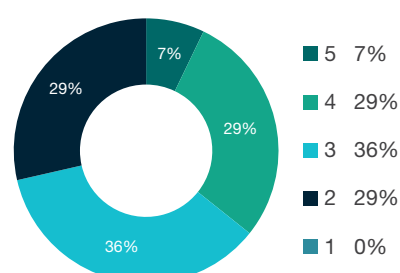
Indicator	No.
Research outputs	2,097.4
Research income	\$33,776,902
FTEs	262.5
Esteem count	1.7
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	4
3	5
2	4
1	0
Total	14

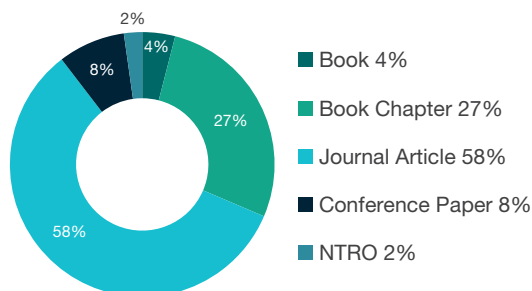
FOR RATING DISTRIBUTION



1608 Sociology

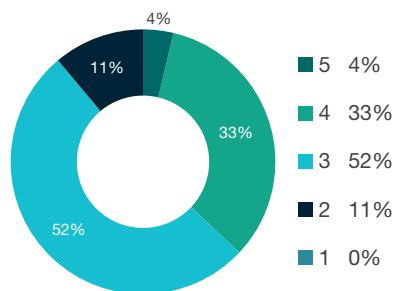
Indicator	No.
Research outputs	4,992.6
Research income	\$90,502,800
FTEs	476.7
Esteem count	54.6
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	9
3	14
2	3
1	0
Total	27

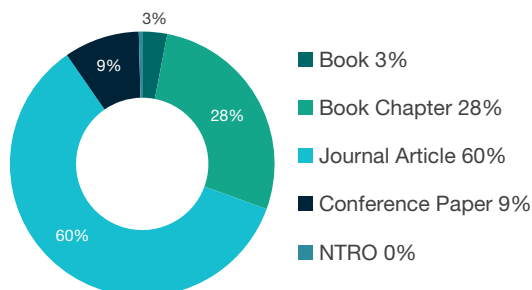
FOR RATING DISTRIBUTION



1699 Other Studies in Human Society

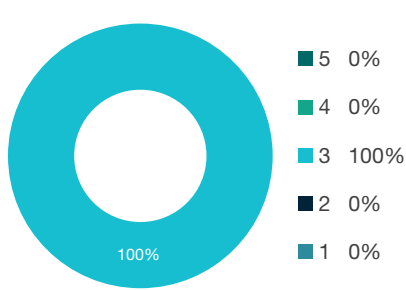
Indicator	No.
Research outputs	1,032.3
Research income	\$10,590,617
FTEs	211.1
Esteem count	9.4
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	2
2	0
1	0
Total	2

FOR RATING DISTRIBUTION



17 PSYCHOLOGY AND COGNITIVE SCIENCES

Psychology and Cognitive Sciences is comprised of the following four-digit codes:

1701 Psychology

1702 Cognitive Sciences

1799 Other Psychology and Cognitive Sciences

**13 out of 33 two-digit UoEs and
22 out of 33 four-digit UoEs
assessed were rated above
world standard**

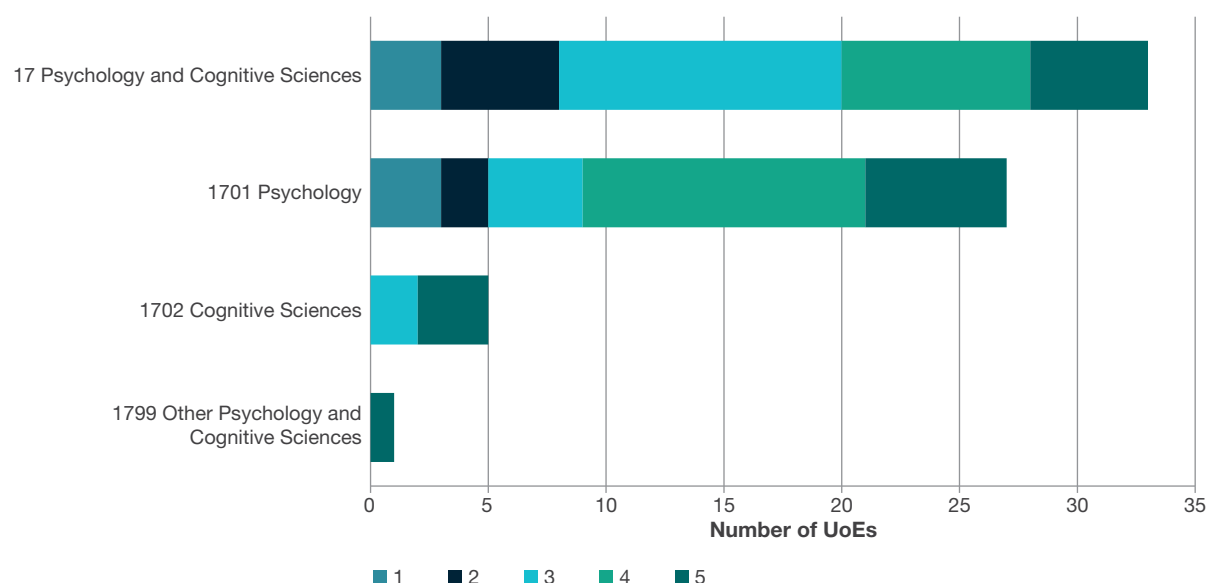
FoR Overview

Psychology and Cognitive Sciences (17) contributed approximately three per cent of the research outputs to ERA 2015. Journal articles were the main research output (83 per cent). Psychology (1701) was the largest sub-discipline in terms of research outputs, research income, staffing profile and research commercialisation income.

Indicator	No.
Research outputs	14,377.1
Research income	\$265,456,454
FTEs	1,421.5
Esteem count	203.7
Patents	–
Research commercialisation income	\$3,236,394

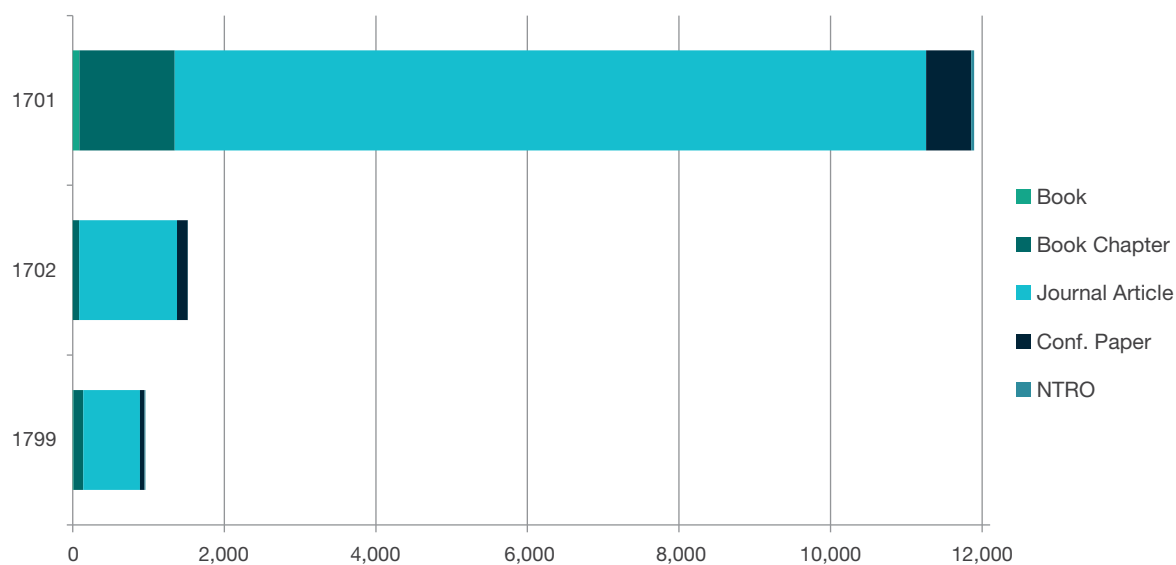
Rating	Distribution	
	Two-digit	Four-digit
5	5	10
4	8	12
3	12	6
2	5	2
1	3	3
Total	33	33

NUMBER OF UOES PER RATING SCALE SCORE



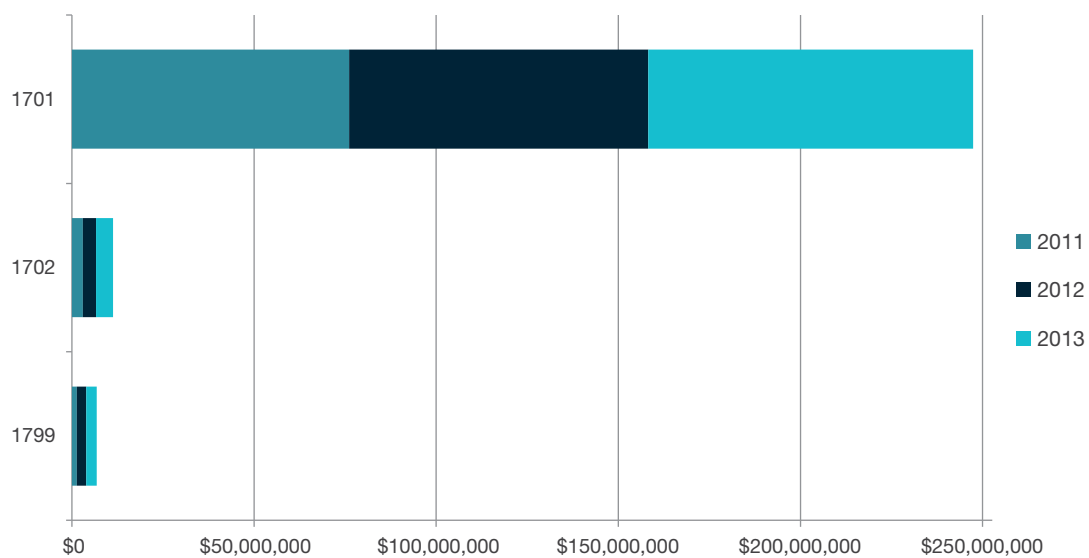
Note: 17 Psychology and Cognitive Sciences shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



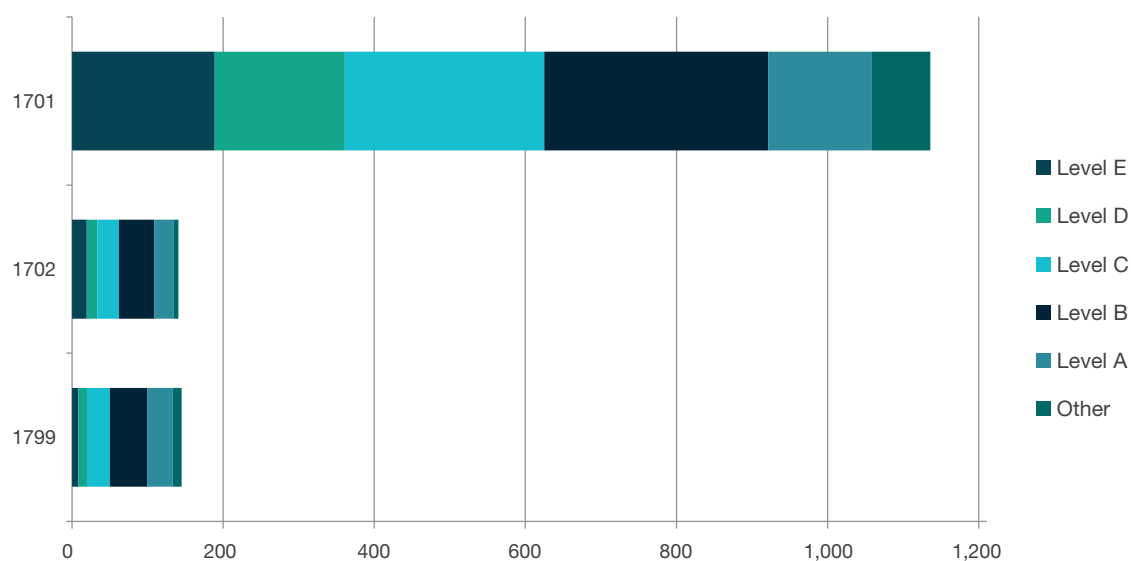
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
1701 Psychology	87.7	1,258.4	9,917.1	594.0	39.6	11,896.6
1702 Cognitive Sciences	4.0	79.3	1,292.5	142.3	2.0	1,520.0
1799 Other Psychology and Cognitive Sciences	12.6	126.8	747.6	60.2	13.3	960.5
Total	104.3	1,464.5	11,957.1	796.4	54.9	14,377.1

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)



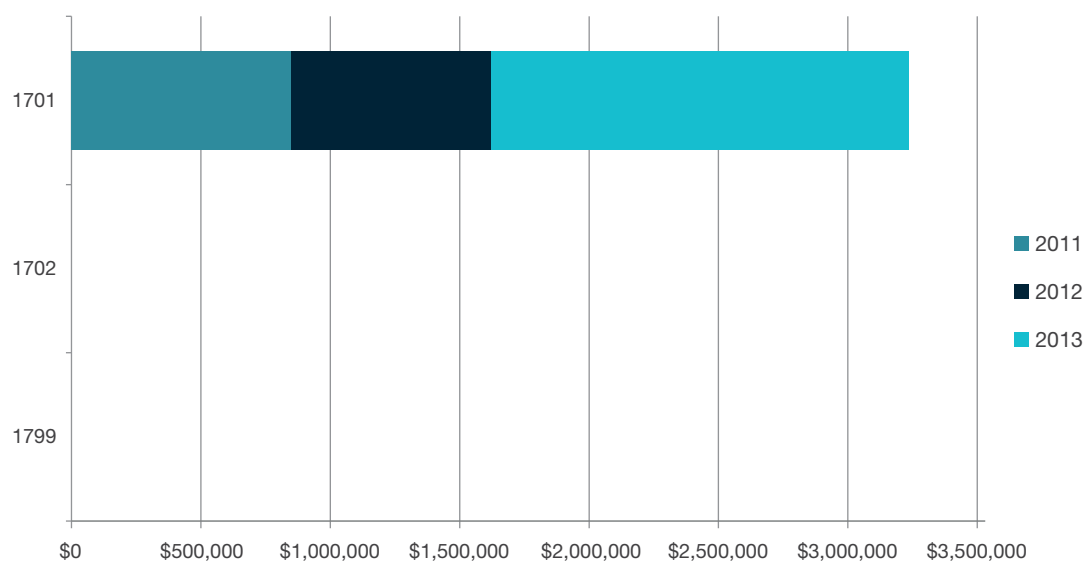
FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1701 Psychology	76,072,059	82,141,854	89,178,787	247,392,700
1702 Cognitive Sciences	3,003,073	3,593,827	4,674,320	11,271,220
1799 Other Psychology and Cognitive Sciences	1,326,717	2,586,516	2,879,300	6,792,533
Total	80,401,849	88,322,198	96,732,407	265,456,454

STAFFING PROFILE BY ACADEMIC LEVEL



FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
1701 Psychology	188.7	172.2	264.1	296.5	137.2	77.2	1,135.9
1702 Cognitive Sciences	19.5	13.9	28.8	46.7	25.9	5.9	140.6
1799 Other Psychology and Cognitive Sciences	8.1	11.5	30.2	50.0	33.3	11.8	145.0
Total	216.3	197.6	323.1	393.2	196.4	94.9	1,421.5

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)

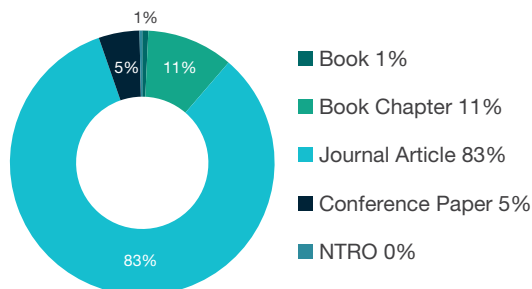


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1701 Psychology	849,757	772,511	1,614,125	3,236,394
1702 Cognitive Sciences	0	0	0	0
1799 Other Psychology and Cognitive Sciences	0	0	0	0
Total	849,757	772,511	1,614,125	3,236,394

1701 Psychology

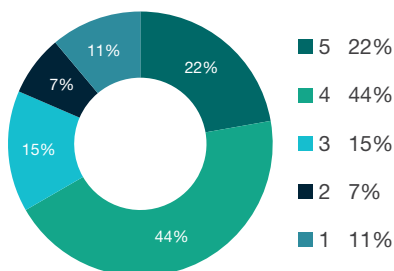
Indicator	No.
Research outputs	11,896.6
Research income	\$247,392,700
FTEs	1,135.9
Esteem count	195.5
Patents	–
Research commercialisation income	\$3,236,394

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	6
4	12
3	4
2	2
1	3
Total	27

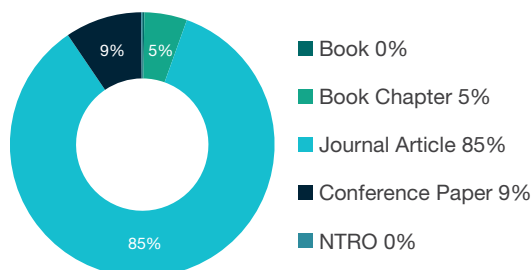
FOR RATING DISTRIBUTION



1702 Cognitive Sciences

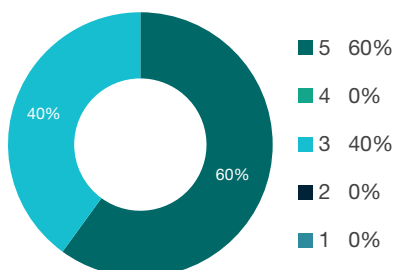
Indicator	No.
Research outputs	1,520.0
Research income	\$11,271,220
FTEs	140.6
Esteem count	7.9
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	3
4	0
3	2
2	0
1	0
Total	5

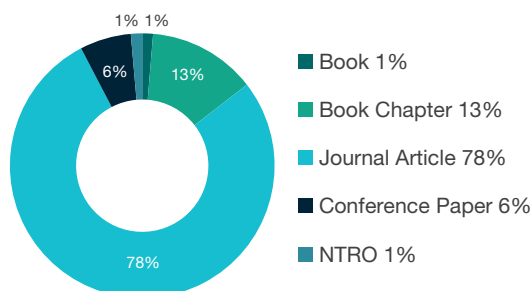
FOR RATING DISTRIBUTION



1799 Other Psychology and Cognitive Sciences

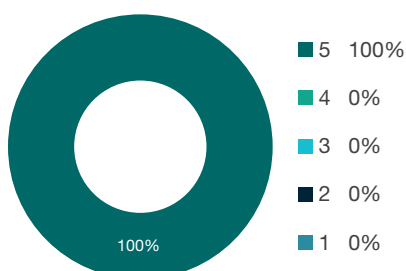
Indicator	No.
Research outputs	960.5
Research income	\$6,792,533
FTEs	145.0
Esteem count	0.3
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	0
3	0
2	0
1	0
Total	1

FOR RATING DISTRIBUTION



18 LAW AND LEGAL STUDIES

Law and Legal Studies is comprised of the following four-digit codes:

1801 Law

1802 Maori Law

1899 Other Law and Legal Studies

13 out of 30 two-digit UoEs and 14 out of 30 four-digit UoEs assessed were rated above world standard

FoR Overview

Law and Legal Studies (18) contributed approximately two per cent of the research outputs to ERA 2015.

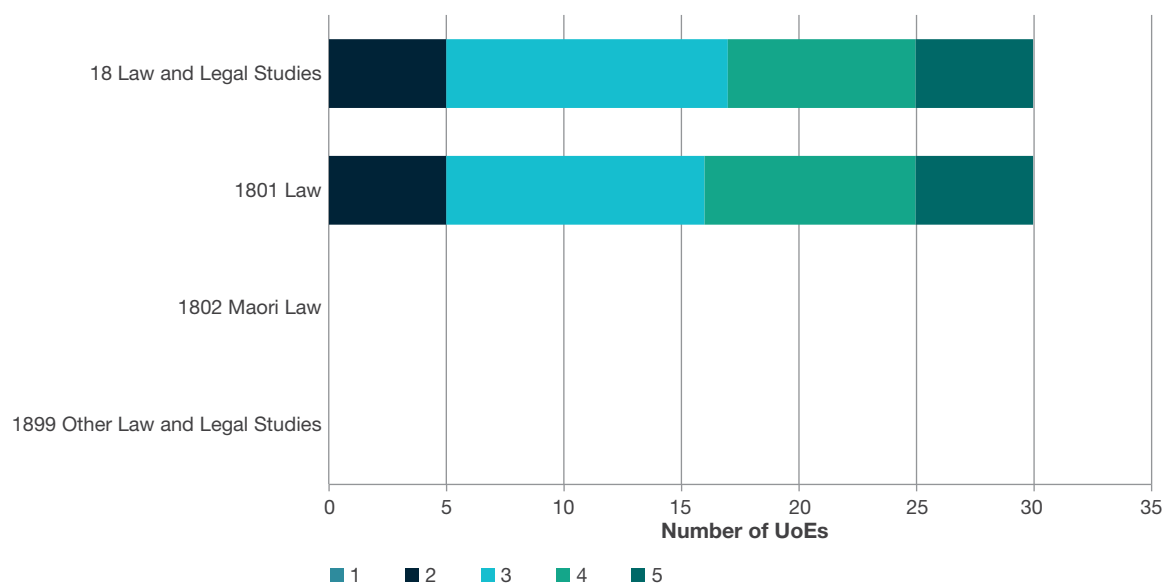
Journal articles were the main research output type (64 per cent) followed by book chapters (29 per cent).

Law (1801) accounted for the majority of all research outputs, research income and staff FTE in the discipline.

Indicator	No.
Research outputs	10,252.5
Research income	\$75,699,347
FTEs	1,339.2
Esteem count	65.4
Patents	–
Research commercialisation income	–

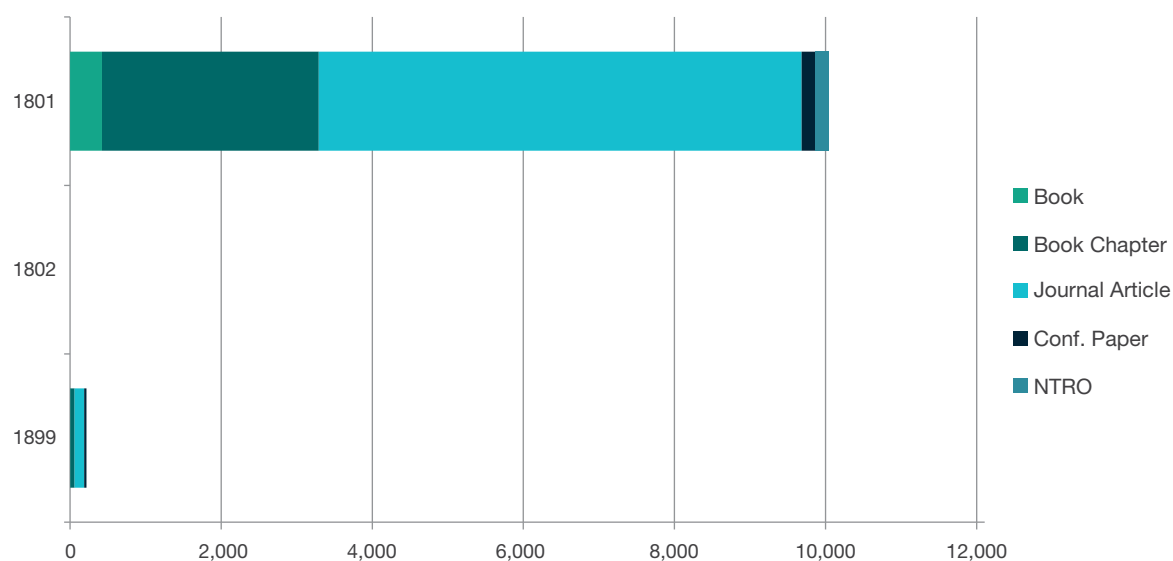
Rating	Distribution	
	Two-digit	Four-digit
5	5	5
4	8	9
3	12	11
2	5	5
1	0	0
Total	30	30

NUMBER OF UOES PER RATING SCALE SCORE



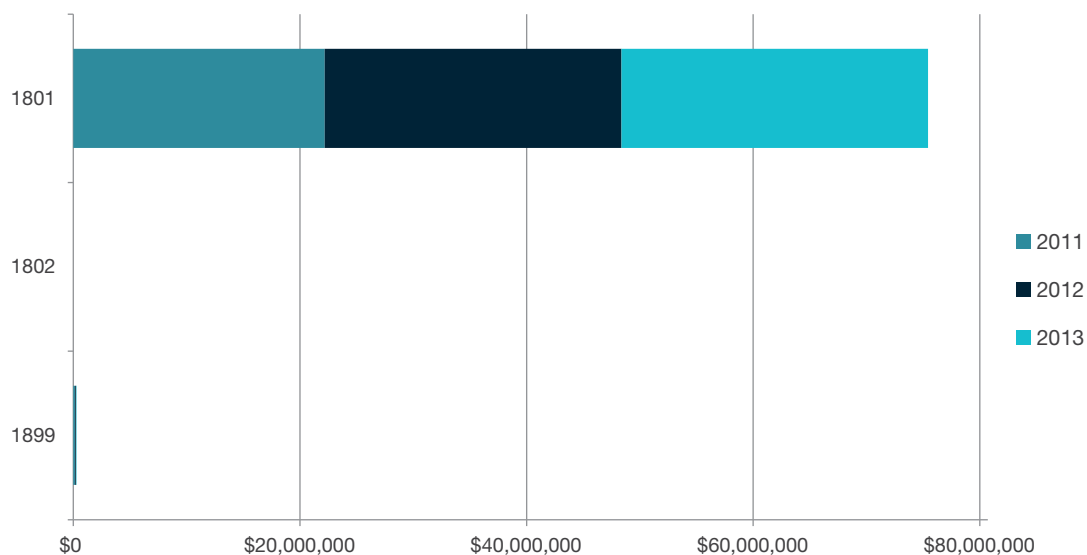
Note: 18 Law and Legal Studies shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



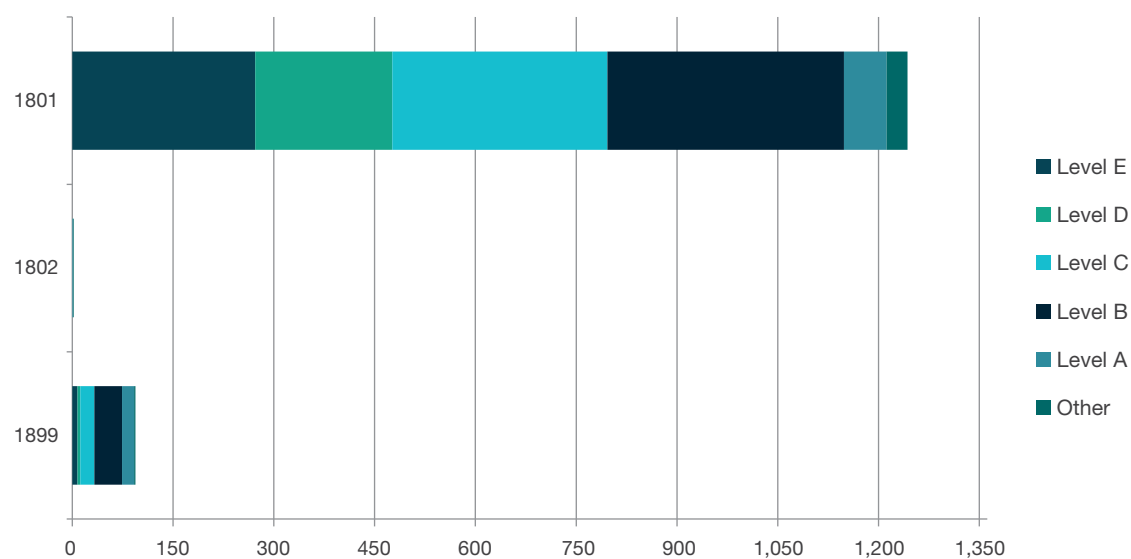
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
1801 Law	423.6	2,867.0	6,393.4	176.0	175.0	10,035.1
1802 Maori Law	0.0	0.0	0.0	0.0	0.0	0.0
1899 Other Law and Legal Studies	2.0	58.7	126.2	30.5	0.0	217.4
Total	425.6	2,925.7	6,519.7	206.5	175.0	10,252.5

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)



FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1801 Law	22,176,731	26,202,097	27,054,020	75,432,849
1802 Maori Law	0	0	0	0
1899 Other Law and Legal Studies	161,549	74,141	30,808	266,498
Total	22,338,280	26,276,239	27,084,829	75,699,347

STAFFING PROFILE BY ACADEMIC LEVEL

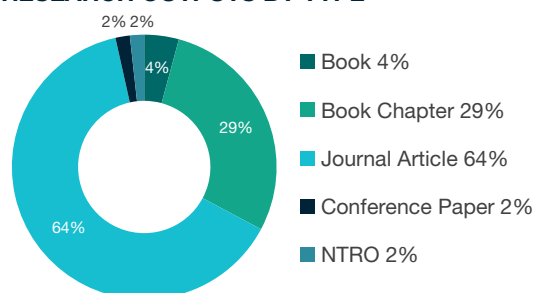


FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
1801 Law	272.1	204.1	320.5	352.1	63.4	31.1	1,243.2
1802 Maori Law	0.0	0.0	0.2	0.0	1.0	1.0	2.2
1899 Other Law and Legal Studies	7.7	4.0	21.0	41.1	18.3	1.7	93.8
Total	279.8	208.1	341.6	393.2	82.6	33.8	1,339.2

1801 Law

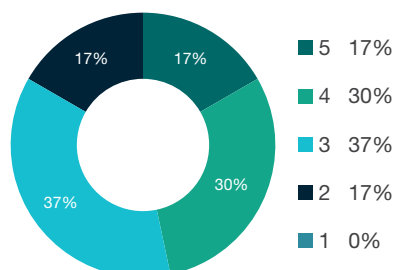
Indicator	No.
Research outputs	10,035.1
Research income	\$75,432,849
FTEs	1,243.2
Esteem count	65.4
Patents	–
Research commercialisation income	–

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	5
4	9
3	11
2	5
1	0
Total	30

FOR RATING DISTRIBUTION



1802 Maori Law

Indicator	No.
Research outputs	0.0
Research income	\$0
FTEs	2.2
Esteem count	0.0
Patents	–
Research commercialisation income	–

RESEARCH OUTPUTS BY TYPE

There are no research outputs coded to 1802.

Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

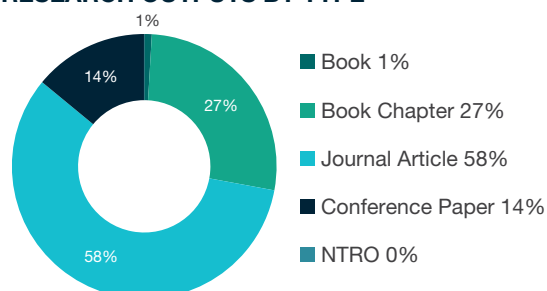
FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 1802.

1899 Other Law and Legal Studies

Indicator	No.
Research outputs	217.4
Research income	\$266,498
FTEs	93.8
Esteem count	0.0
Patents	–
Research commercialisation income	–

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 1899.

19 STUDIES IN CREATIVE ARTS AND WRITING

Studies in Creative Arts and Writing is comprised of the following four-digit codes:

1901 Art Theory and Criticism

1902 Film, Television and Digital Media

1903 Journalism and Professional Writing

1904 Performing Arts and Creative Writing

1905 Visual Arts and Crafts

1999 Other Studies in Creative Arts and Writing

**7 out of 36 two-digit UoEs and
20 out of 70 four-digit UoEs
assessed were rated above
world standard**

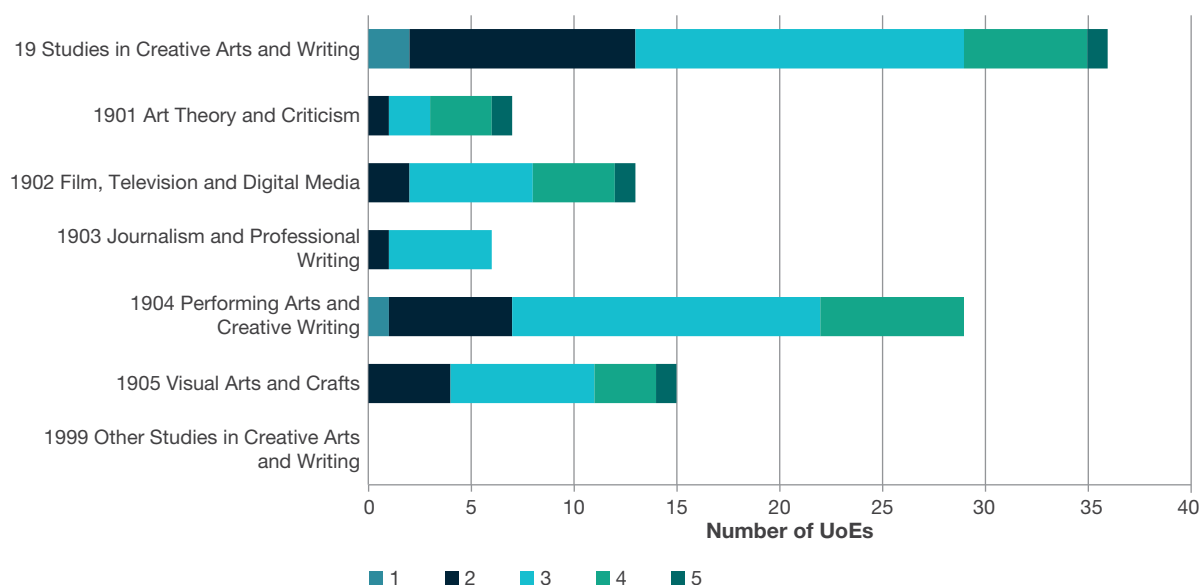
FoR Overview

Studies in Creative Arts and Writing (19) contributed approximately three per cent of the research outputs to ERA 2015. Non-traditional research outputs were the main research output type (52 per cent), followed by journal articles (23 per cent). Performing Arts and Creative Writing (1904) was the largest sub-discipline in terms of research outputs, research income and staff FTE. Film, Television and Digital Media (1902) had the largest amount of research commercialisation income.

Indicator	No.
Research outputs	12,939.7
Research income	\$38,443,728
FTEs	1,557.1
Esteem count	162.7
Patents	0
Research commercialisation income	\$255,837

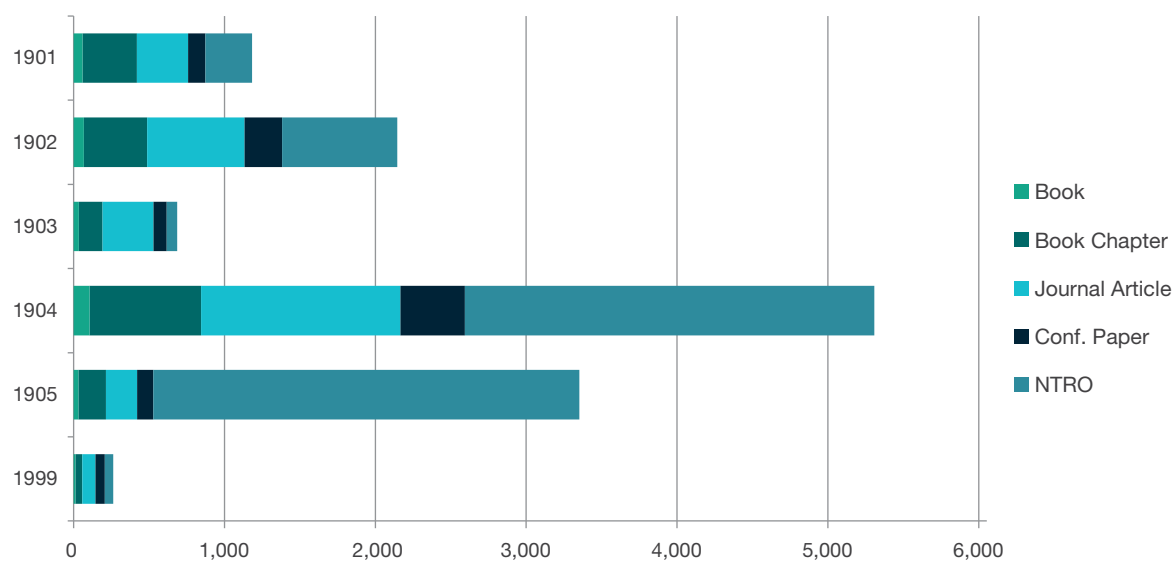
Rating	Distribution	
	Two-digit	Four-digit
5	1	3
4	6	17
3	16	35
2	11	14
1	2	1
Total	36	70

NUMBER OF UOES PER RATING SCALE SCORE



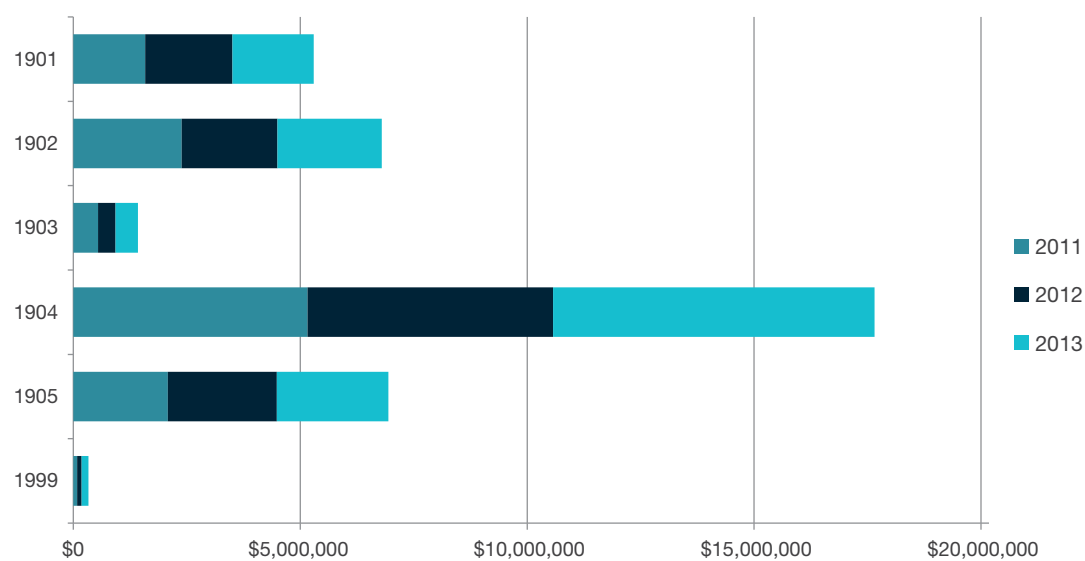
Note: 19 Studies in Creative Arts and Writing shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



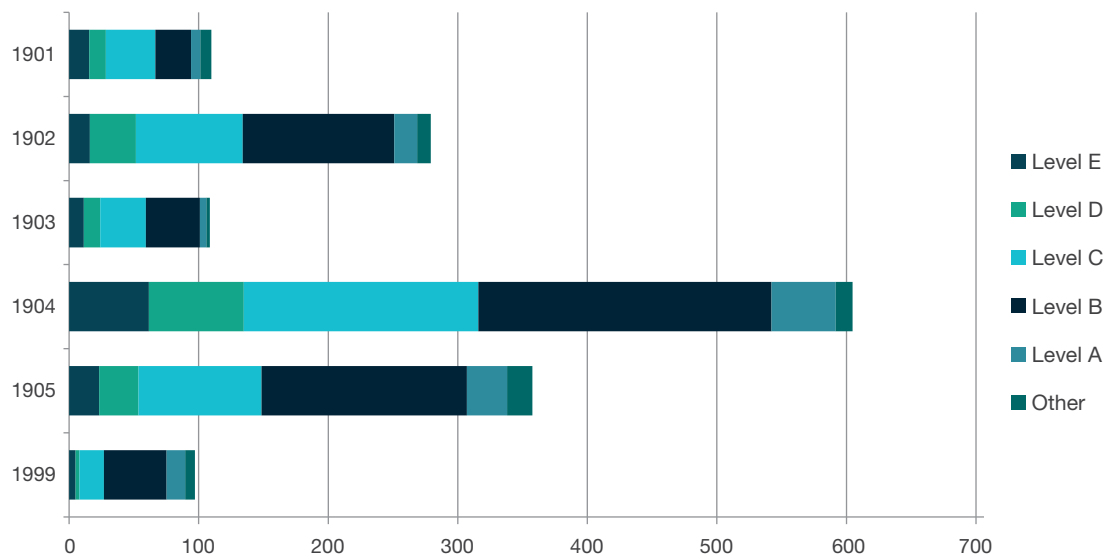
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
1901 Art Theory and Criticism	58.7	361.0	339.7	114.6	309.4	1,183.5
1902 Film, Television and Digital Media	68.1	418.7	646.7	248.2	764.1	2,145.7
1903 Journalism and Professional Writing	34.4	156.6	338.2	87.6	70.0	686.8
1904 Performing Arts and Creative Writing	105.1	739.7	1,321.8	427.7	2,714.4	5,308.6
1905 Visual Arts and Crafts	31.6	182.8	206.6	106.9	2,824.8	3,352.7
1999 Other Studies in Creative Arts and Writing	11.5	45.5	87.3	63.0	55.2	262.5
Total	309.4	1,904.3	2,940.2	1,048.0	6,737.8	12,939.7

RESEARCH INCOME BY YEAR-ALL CATEGORIES (\$)



FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1901 Art Theory and Criticism	1,580,781	1,923,358	1,791,377	5,295,516
1902 Film, Television and Digital Media	2,384,489	2,113,564	2,296,919	6,794,972
1903 Journalism and Professional Writing	544,928	384,007	492,179	1,421,114
1904 Performing Arts and Creative Writing	5,158,776	5,412,394	7,084,733	17,655,903
1905 Visual Arts and Crafts	2,081,786	2,400,022	2,461,266	6,943,075
1999 Other Studies in Creative Arts and Writing	81,135	101,782	150,231	333,149
Total	11,831,895	12,335,127	14,276,706	38,443,728

STAFFING PROFILE BY ACADEMIC LEVEL

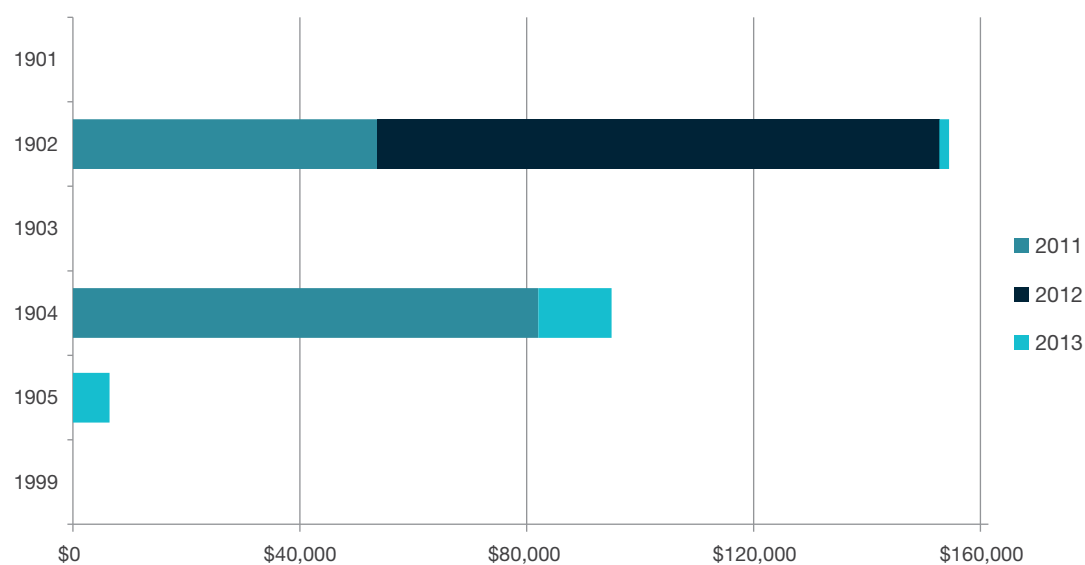


FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
1901 Art Theory and Criticism	15.5	12.9	38.1	27.6	7.1	8.6	109.9
1902 Film, Television and Digital Media	16.0	35.4	82.5	116.9	17.7	10.5	279.2
1903 Journalism and Professional Writing	11.2	12.8	35.2	41.6	5.1	2.7	108.6
1904 Performing Arts and Creative Writing	61.6	73.3	181.0	226.3	49.7	13.0	604.8
1905 Visual Arts and Crafts	23.2	30.4	94.9	158.5	31.1	19.4	357.5
1999 Other Studies in Creative Arts and Writing	5.0	2.9	18.9	48.4	14.4	7.5	97.1
Total	132.6	167.6	450.7	619.3	125.1	61.8	1,557.1

PATENT PROFILE

Note: There were no patents submitted by UoEs in this FoR.

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)

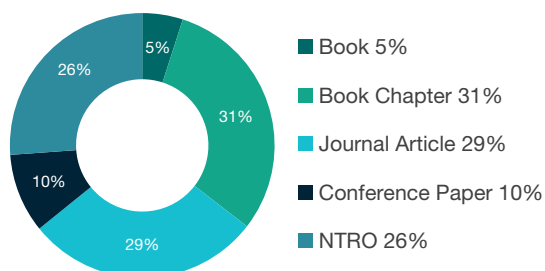


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
1901 Art Theory and Criticism	0	0	0	0
1902 Film, Television and Digital Media	53,628	99,117	1,713	154,457
1903 Journalism and Professional Writing	0	0	0	0
1904 Performing Arts and Creative Writing	82,045	0	12,908	94,953
1905 Visual Arts and Crafts	0	0	6,427	6,427
1999 Other Studies in Creative Arts and Writing	0	0	0	0
Total	135,672	99,117	21,048	255,837

1901 Art Theory and Criticism

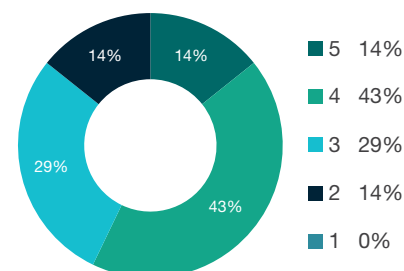
Indicator	No.
Research outputs	1,183.5
Research income	\$5,295,516
FTEs	109.9
Esteem count	16.2
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	3
3	2
2	1
1	0
Total	7

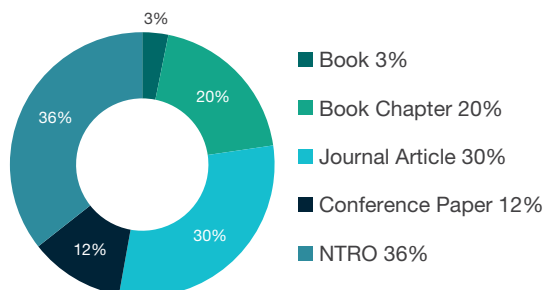
FOR RATING DISTRIBUTION



1902 Film, Television and Digital Media

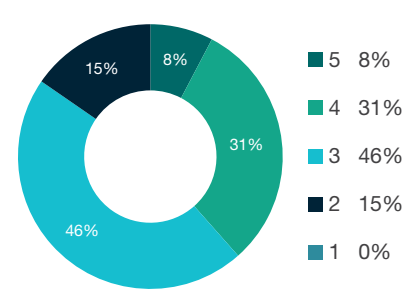
Indicator	No.
Research outputs	2,145.7
Research income	\$6,794,972
FTEs	279.2
Esteem count	25.8
Patents	0.0
Research commercialisation income	\$154,457

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	4
3	6
2	2
1	0
Total	13

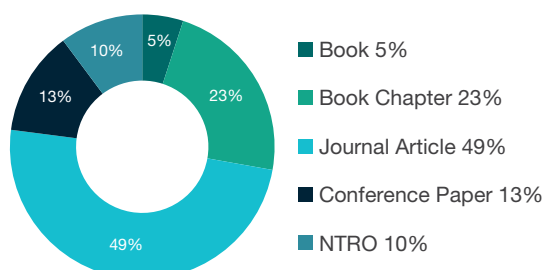
FOR RATING DISTRIBUTION



1903 Journalism and Professional Writing

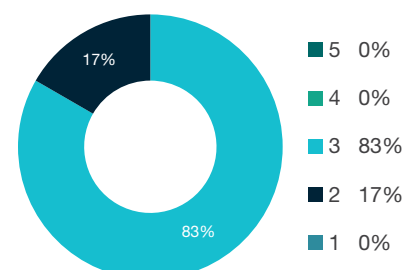
Indicator	No.
Research outputs	686.8
Research income	\$1,421,114
FTEs	108.6
Esteem count	2.0
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	5
2	1
1	0
Total	6

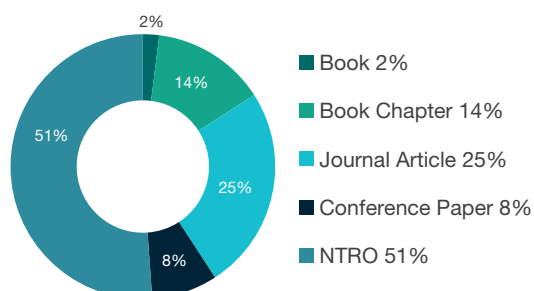
FOR RATING DISTRIBUTION



1904 Performing Arts and Creative Writing

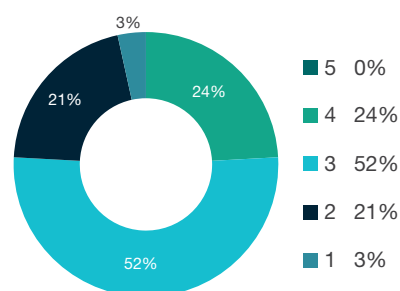
Indicator	No.
Research outputs	5,308.6
Research income	\$17,655,903
FTEs	604.8
Esteem count	65.7
Patents	0.0
Research commercialisation income	\$94,953

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	7
3	15
2	6
1	1
Total	29

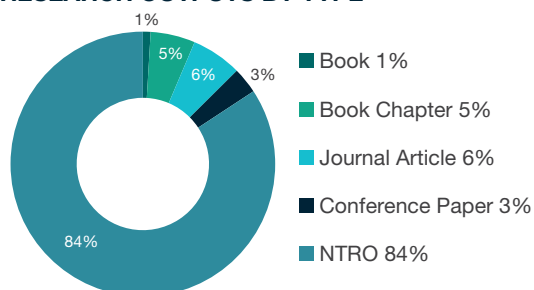
FOR RATING DISTRIBUTION



1905 Visual Arts and Crafts

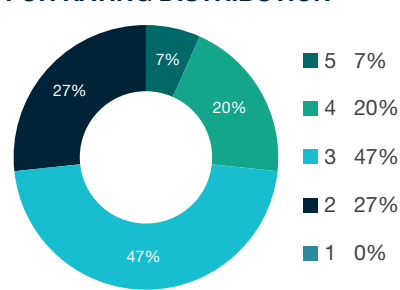
Indicator	No.
Research outputs	3,352.7
Research income	\$6,943,075
FTEs	357.5
Esteem count	52.0
Patents	0.0
Research commercialisation income	\$6,427

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	1
4	3
3	7
2	4
1	0
Total	15

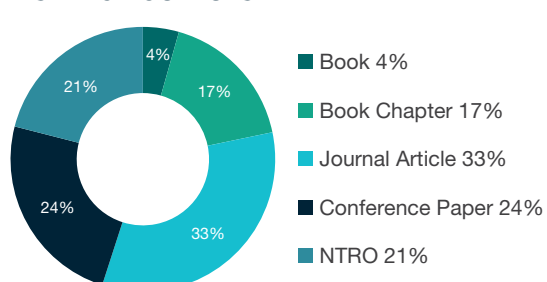
FOR RATING DISTRIBUTION



1999 Other Studies in Creative Arts and Writing

Indicator	No.
Research outputs	262.5
Research income	\$333,149
FTEs	97.1
Esteem count	1.0
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 1999.

20 LANGUAGE, COMMUNICATION AND CULTURE

Language, Communication and Culture is comprised of the following four-digit codes:

2001 Communication and Media Studies

2002 Cultural Studies

2003 Language Studies

2004 Linguistics

2005 Literary Studies

2099 Other Language, Communication and Culture

**15 out of 33 two-digit UoEs
and 43 out of 77 four-digit
UoEs assessed were rated
above world standard**

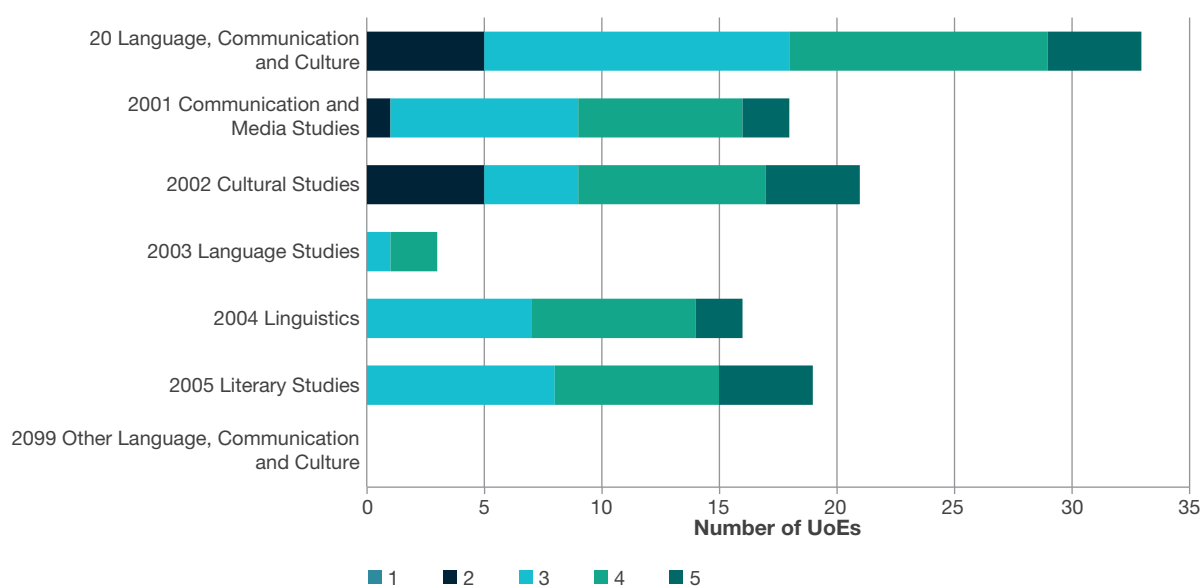
FoR Overview

Language, Communication and Culture (20) contributed approximately three per cent of the research outputs to ERA 2015. While journal articles were the most common research output type (48 per cent), a significant proportion were book chapters (36 per cent). Cultural Studies (2002) and Literary Studies (2005) were the two largest disciplines in terms of research outputs and staff FTE. Linguistics (2004) had the largest amount of research income, whereas Communication and Media Studies (2001) had the largest amount of research commercialisation income.

Indicator	No.
Research outputs	13,409.7
Research income	\$96,737,219
FTEs	1,574.9
Esteem count	224.0
Patents	–
Research commercialisation income	\$12,963

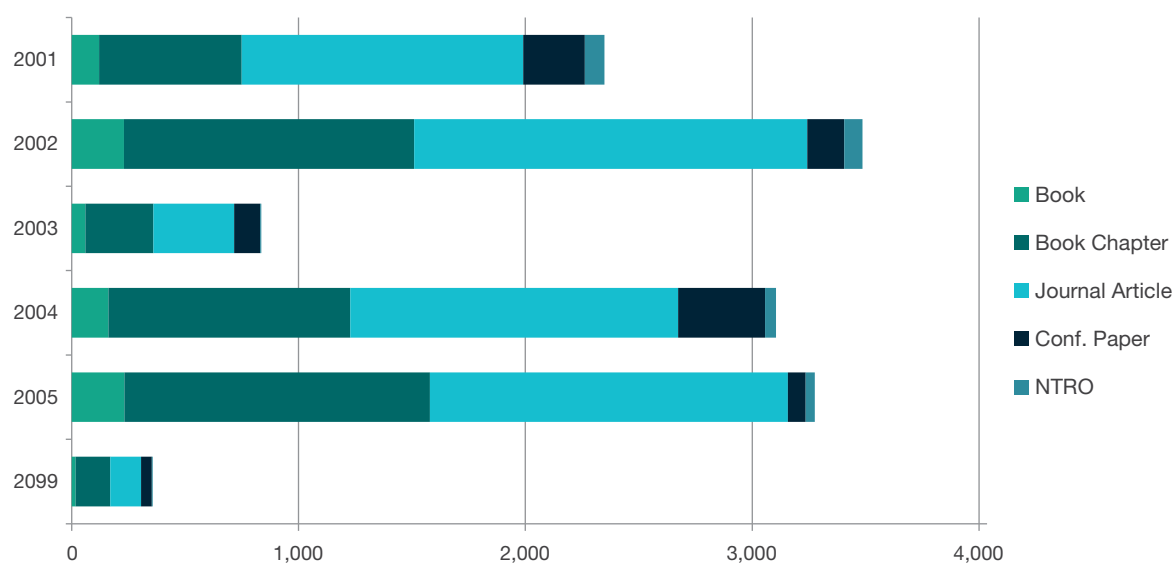
Rating	Distribution	
	Two-digit	Four-digit
5	4	12
4	11	31
3	13	28
2	5	6
1	0	0
Total	33	77

NUMBER OF UOES PER RATING SCALE SCORE

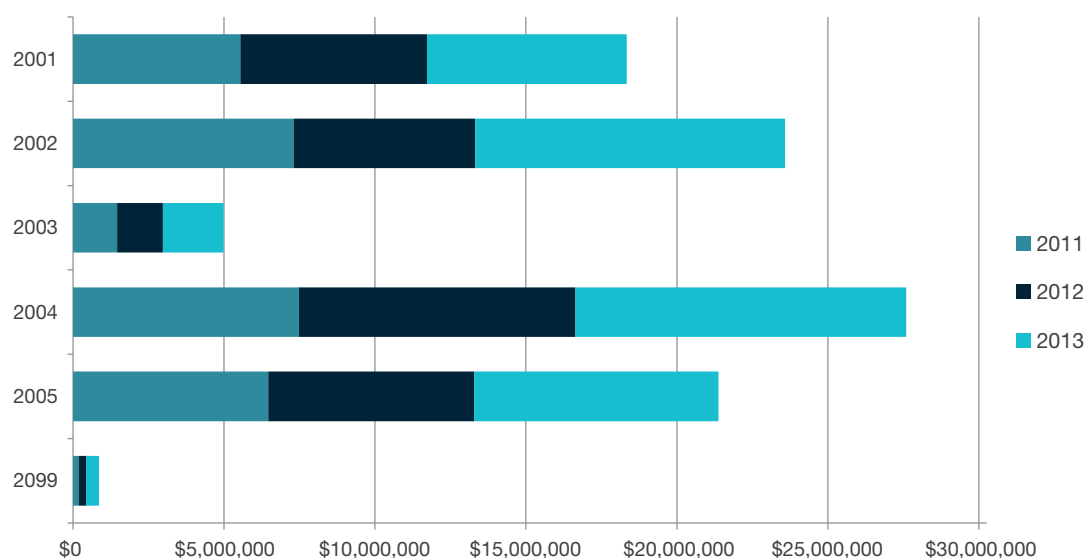


Note: 20 Language, Communication and Culture shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE

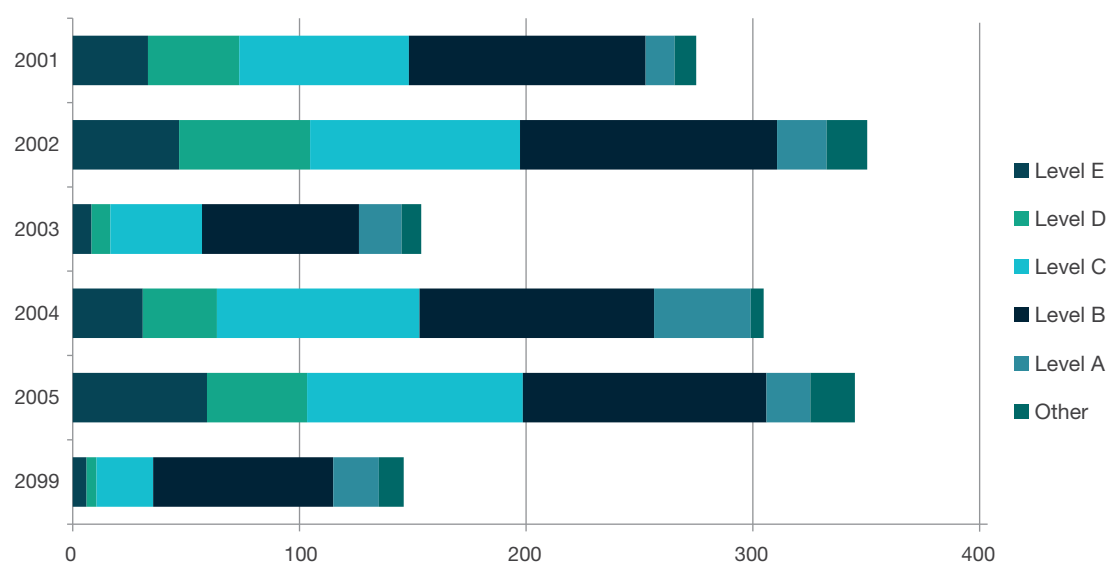


FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
2001 Communication and Media Studies	120.3	629.5	1,240.5	271.9	87.0	2,349.1
2002 Cultural Studies	230.5	1,279.1	1,733.5	162.7	80.8	3,486.7
2003 Language Studies	60.8	299.4	355.7	114.9	5.5	836.2
2004 Linguistics	162.3	1,065.9	1,445.2	383.5	47.8	3,104.7
2005 Literary Studies	232.3	1,347.3	1,578.3	77.8	40.3	3,275.9
2099 Other Language, Communication and Culture	16.8	153.6	135.9	47.0	3.8	357.0
Total	822.9	4,774.8	6,489.1	1,057.7	265.2	13,409.7

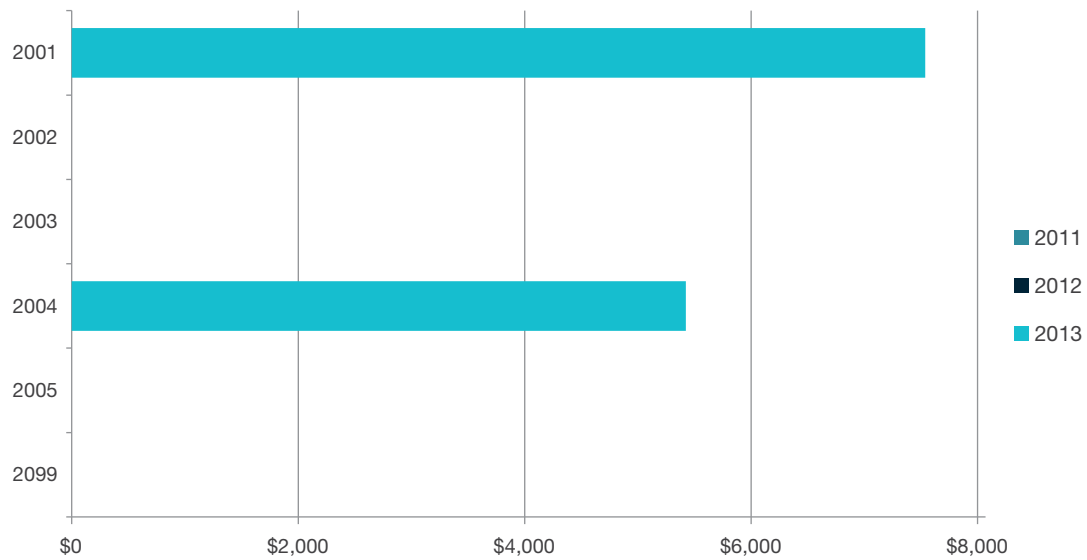
RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)

FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
2001 Communication and Media Studies	5,539,117	6,184,345	6,613,315	18,336,776
2002 Cultural Studies	7,305,859	6,012,426	10,268,798	23,587,083
2003 Language Studies	1,457,381	1,519,725	2,003,742	4,980,847
2004 Linguistics	7,481,569	9,157,277	10,958,845	27,597,691
2005 Literary Studies	6,461,314	6,819,737	8,096,725	21,377,776
2099 Other Language, Communication and Culture	193,308	231,886	431,853	857,046
Total	28,438,547	29,925,395	38,373,277	96,737,219

STAFFING PROFILE BY ACADEMIC LEVEL



FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
2001 Communication and Media Studies	33.2	40.3	74.8	104.4	12.7	9.6	275.0
2002 Cultural Studies	46.9	57.7	92.7	113.4	21.8	17.9	350.4
2003 Language Studies	8.2	8.4	40.4	69.2	18.8	8.7	153.7
2004 Linguistics	30.9	32.7	89.4	103.5	42.6	5.7	304.8
2005 Literary Studies	59.2	44.1	95.2	107.5	19.3	19.6	345.0
2099 Other Language, Communication and Culture	6.1	4.4	25.0	79.4	20.1	11.0	146.0
Total	184.5	187.5	417.5	577.4	135.5	72.5	1,574.9

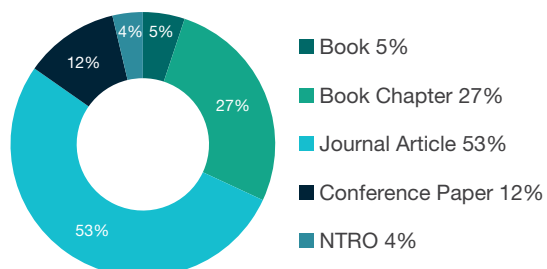
RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)

FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
2001 Communication and Media Studies	0	0	7,539	7,539
2002 Cultural Studies	0	0	0	0
2003 Language Studies	0	0	0	0
2004 Linguistics	0	0	5,424	5,424
2005 Literary Studies	0	0	0	0
2099 Other Language, Communication and Culture	0	0	0	0
Total	0	0	12,963	12,963

2001 Communication and Media Studies

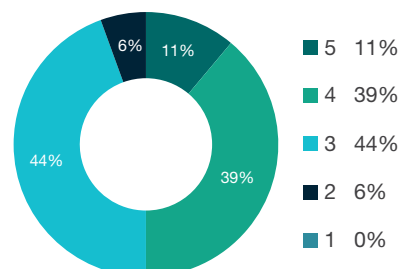
Indicator	No.
Research outputs	2,349.1
Research income	\$18,336,776
FTEs	275.0
Esteem count	17.8
Patents	–
Research commercialisation income	\$7,539

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	7
3	8
2	1
1	0
Total	18

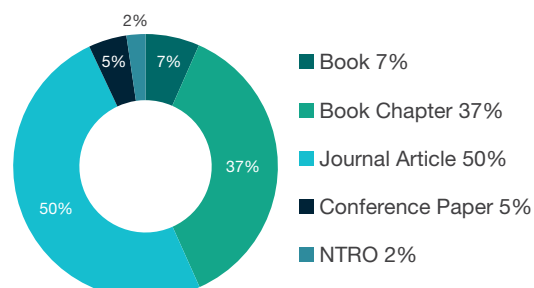
FOR RATING DISTRIBUTION



2002 Cultural Studies

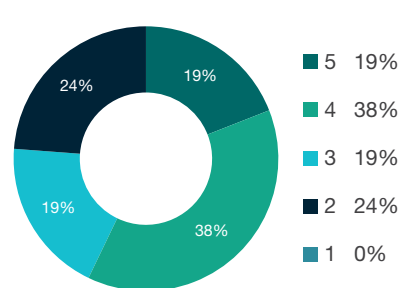
Indicator	No.
Research outputs	3,486.7
Research income	\$23,587,083
FTEs	350.4
Esteem count	48.1
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	4
4	8
3	4
2	5
1	0
Total	21

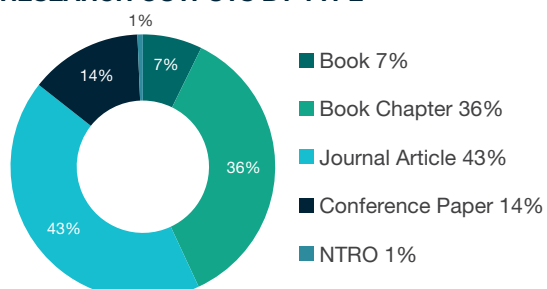
FOR RATING DISTRIBUTION



2003 Language Studies

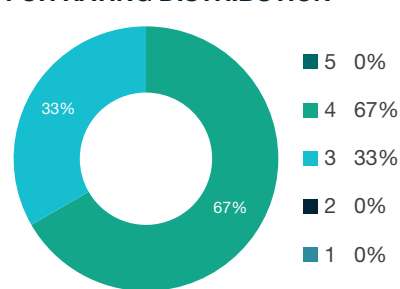
Indicator	No.
Research outputs	836.2
Research income	\$4,980,847
FTEs	153.7
Esteem count	15.6
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	2
3	1
2	0
1	0
Total	3

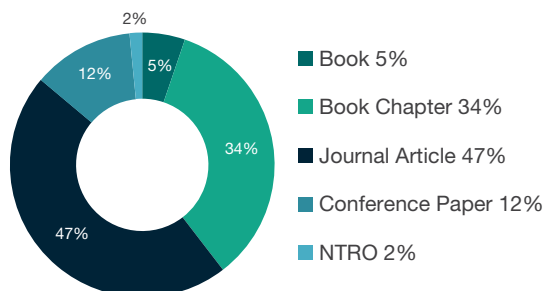
FOR RATING DISTRIBUTION



2004 Linguistics

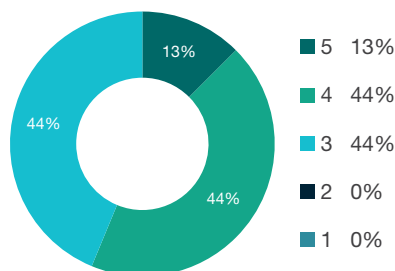
Indicator	No.
Research outputs	3,104.7
Research income	\$27,597,691
FTEs	304.8
Esteem count	60.2
Patents	–
Research commercialisation income	\$5,424

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	7
3	7
2	0
1	0
Total	16

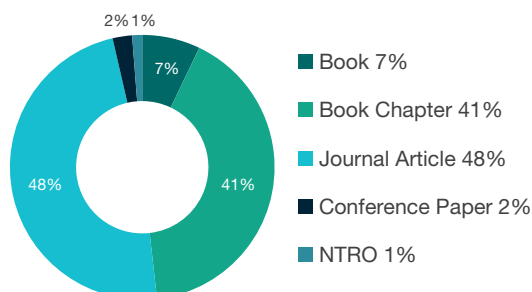
FOR RATING DISTRIBUTION



2005 Literary Studies

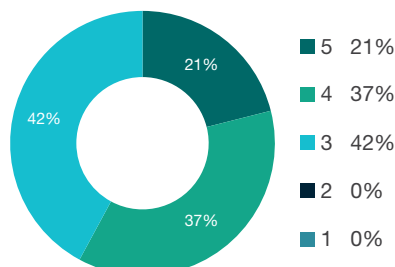
Indicator	No.
Research outputs	3,275.9
Research income	\$21,377,776
FTEs	345.0
Esteem count	81.9
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	4
4	7
3	8
2	0
1	0
Total	19

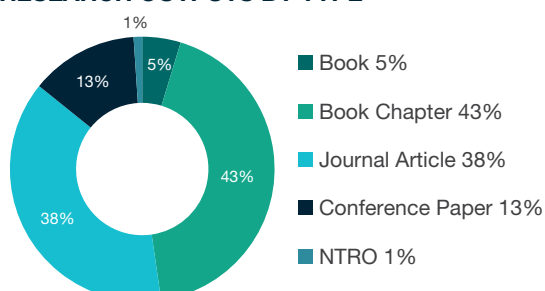
FOR RATING DISTRIBUTION



2009 Other Language, Communication and Culture

Indicator	No.
Research outputs	357.0
Research income	\$857,046
FTEs	146.0
Esteem count	0.3
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 2009.

21 HISTORY AND ARCHAEOLOGY

History and Archaeology is comprised of the following four-digit codes:

2101 Archaeology

2102 Curatorial and Related Studies

2103 Historical Studies

2199 Other History and Archaeology

**17 out of 28 two-digit UoEs and
26 out of 44 four-digit UoEs assessed
were rated above world standard**

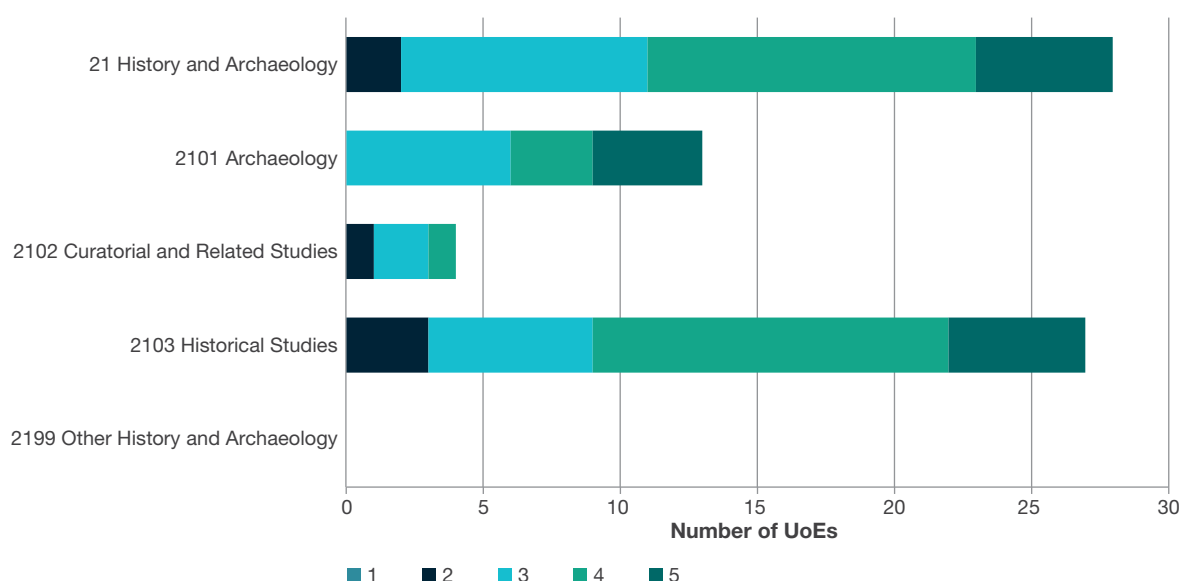
FoR Overview

History and Archaeology (21) contributed approximately two per cent of the research outputs to ERA 2015. It also contributed approximately six per cent of the esteem measures submitted to ERA 2015. While journal articles were the most common research output type (49 per cent), book chapters also comprised a significant proportion (38 per cent). Historical Studies (2103) was the largest sub-discipline in terms of research outputs, research income and staffing. Archaeology (2101) had the largest amount of research commercialisation income.

Indicator	No.
Research outputs	7,934.1
Research income	\$116,037,147
FTEs	773.6
Esteem count	303.6
Patents	0
Research commercialisation income	\$24,871

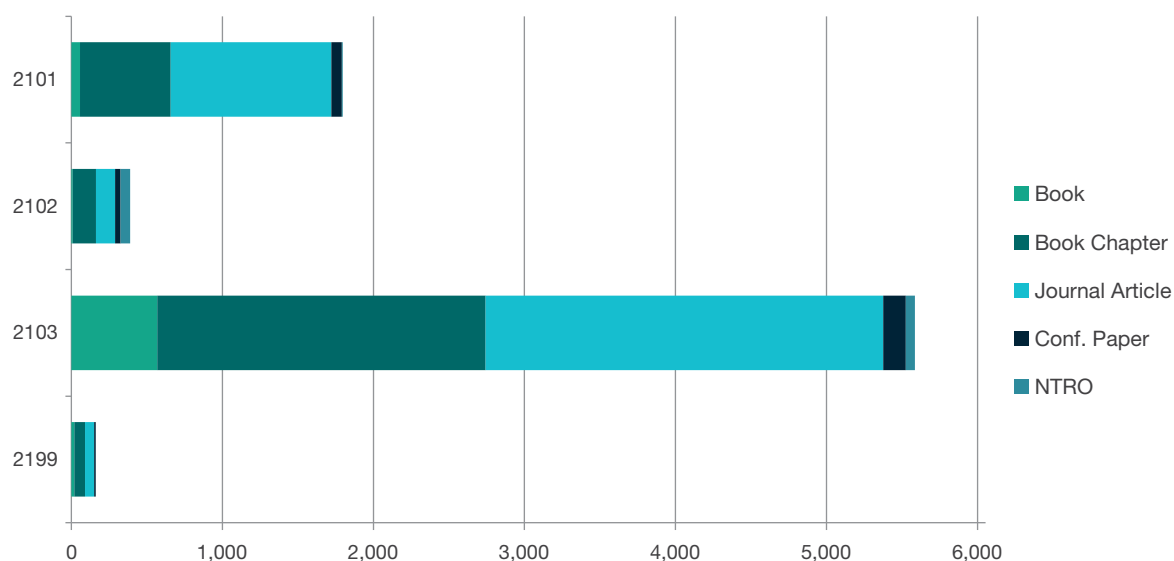
Rating	Distribution	
	Two-digit	Four-digit
5	5	9
4	12	17
3	9	14
2	2	4
1	0	0
Total	28	44

NUMBER OF UOES PER RATING SCALE SCORE



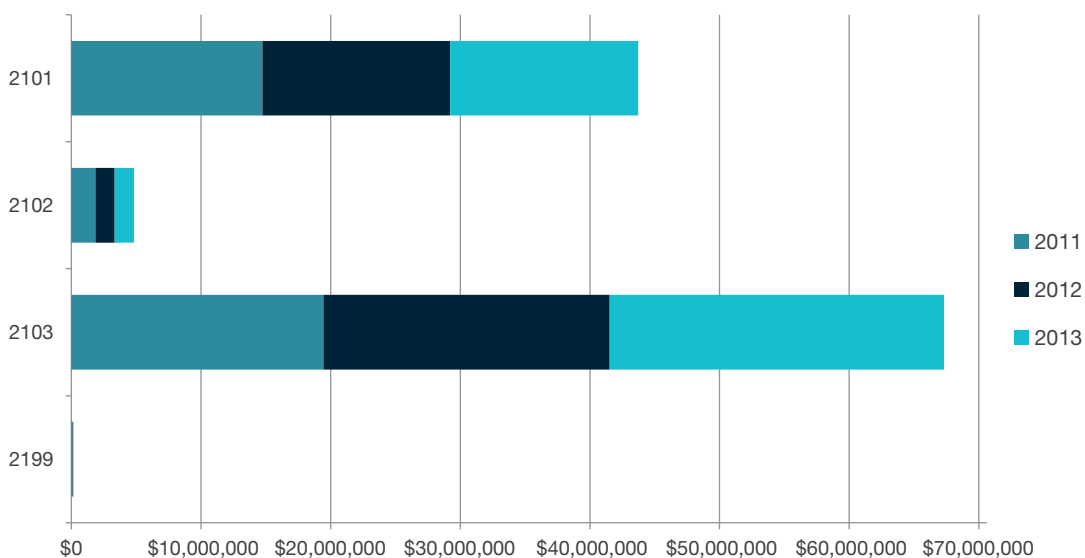
Note: 21 History and Archaeology shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



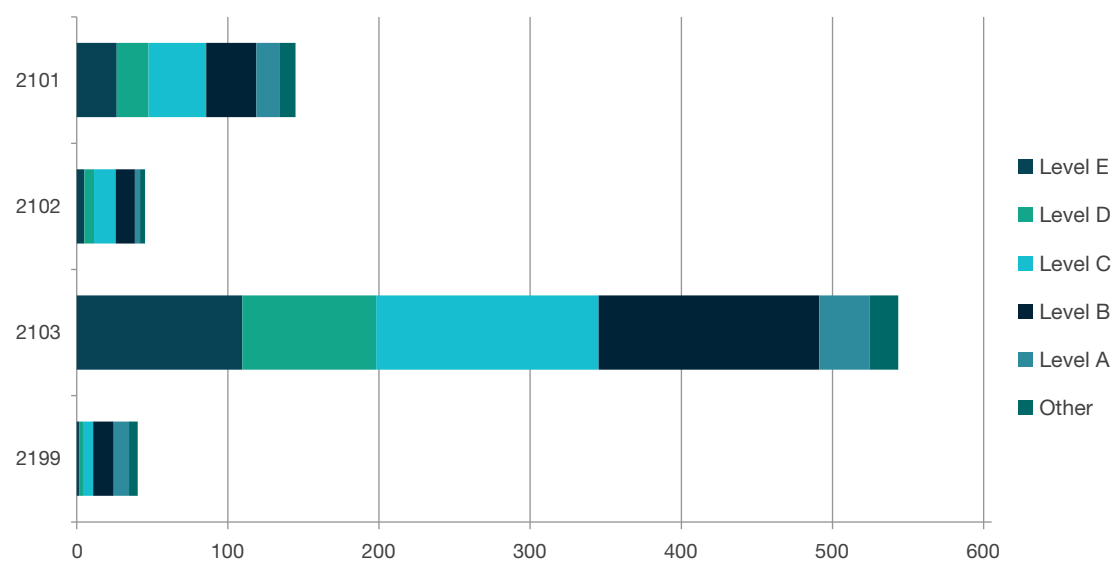
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
2101 Archaeology	57.6	600.3	1,063.4	70.1	6.1	1,797.4
2102 Curatorial and Related Studies	9.2	153.2	126.5	36.5	63.8	389.2
2103 Historical Studies	568.5	2,174.8	2,632.9	148.8	61.4	5,586.3
2199 Other History and Archaeology	19.5	71.3	59.3	11.0	0.0	161.2
Total	654.8	2,999.7	3,882.1	266.3	131.2	7,934.1

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)



FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
2101 Archaeology	14,733,432	14,478,161	14,519,462	43,731,055
2102 Curatorial and Related Studies	1,847,741	1,480,971	1,498,464	4,827,176
2103 Historical Studies	19,441,896	22,078,296	25,806,802	67,326,993
2199 Other History and Archaeology	98,229	28,683	25,011	151,923
Total	36,121,298	38,066,111	41,849,739	116,037,147

STAFFING PROFILE BY ACADEMIC LEVEL

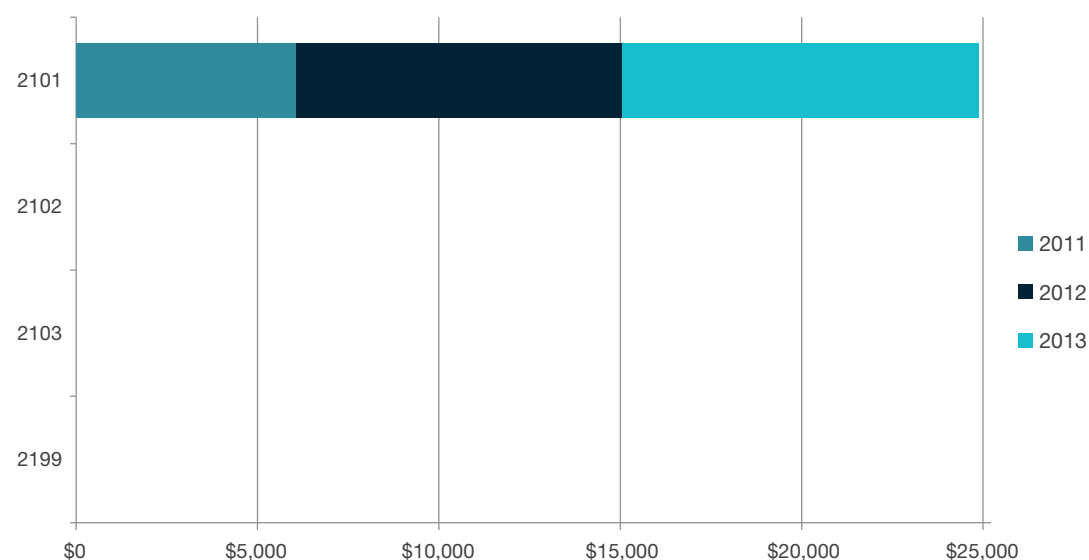


FoR code	Level E	Level D	Level C	Level B	Level A	Other FTE	Total
2101 Archaeology	26.5	21.0	38.2	33.2	15.6	10.3	144.7
2102 Curatorial and Related Studies	5.0	6.3	14.3	12.8	3.4	3.3	45.2
2103 Historical Studies	109.5	88.5	147.2	146.1	33.1	19.1	543.5
2199 Other History and Archaeology	1.5	2.5	6.7	13.6	10.2	5.7	40.3
Total	142.5	118.4	206.4	205.7	62.3	38.4	773.6

PATENT PROFILE

Note: There were no patents submitted by UoEs in this FoR.

RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)

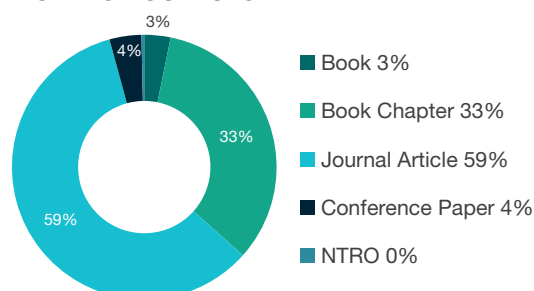


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
2101 Archaeology	6,065	8,989	9,818	24,871
2102 Curatorial and Related Studies	0	0	0	0
2103 Historical Studies	0	0	0	0
2199 Other History and Archaeology	0	0	0	0
Total	6,065	8,989	9,818	24,871

2101 Archaeology

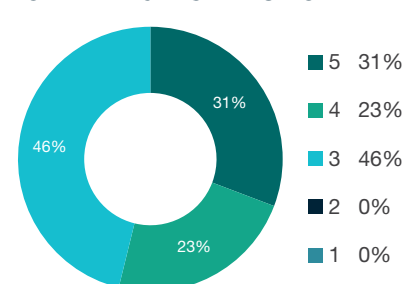
Indicator	No.
Research outputs	1,797.4
Research income	\$43,731,055
FTEs	144.7
Esteem count	71.7
Patents	–
Research commercialisation income	\$24,871

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	4
4	3
3	6
2	0
1	0
Total	13

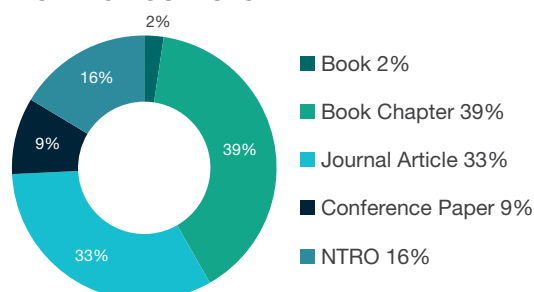
FOR RATING DISTRIBUTION



2102 Curatorial and Related Studies

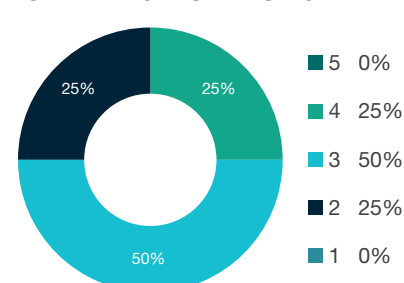
Indicator	No.
Research outputs	389.2
Research income	\$4,827,176
FTEs	45.2
Esteem count	6.6
Patents	0.0
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	1
3	2
2	1
1	0
Total	4

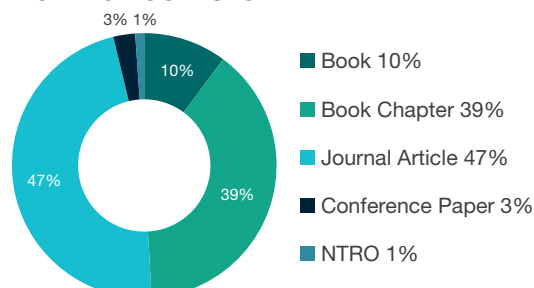
FOR RATING DISTRIBUTION



2103 Historical Studies

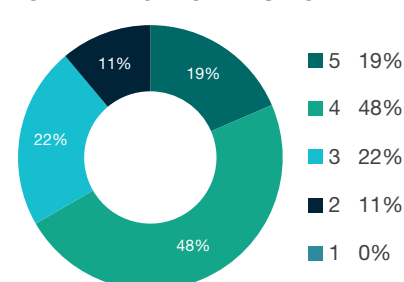
Indicator	No.
Research outputs	5,586.3
Research income	\$67,326,993
FTEs	543.5
Esteem count	225.4
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	5
4	13
3	6
2	3
1	0
Total	27

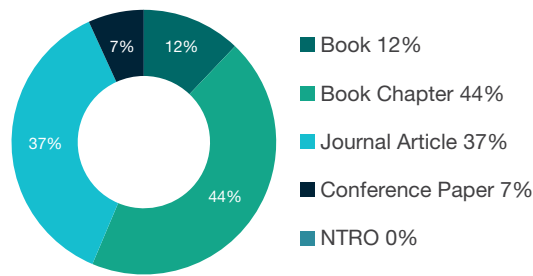
FOR RATING DISTRIBUTION



2199 Other History and Archaeology

Indicator	No.
Research outputs	161.2
Research income	\$151,923
FTEs	40.3
Esteem count	0.0
Patents	-
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 2199.

22 PHILOSOPHY AND RELIGIOUS STUDIES

Philosophy and Religious Studies is comprised of the following four-digit codes:

2201 Applied Ethics

2202 History and Philosophy of Specific Fields

2203 Philosophy

2204 Religion and Religious Studies

2299 Other Philosophy and Religious Studies

9 out of 24 two-digit UoEs and
27 out of 43 four-digit UoEs
assessed were rated above
world standard

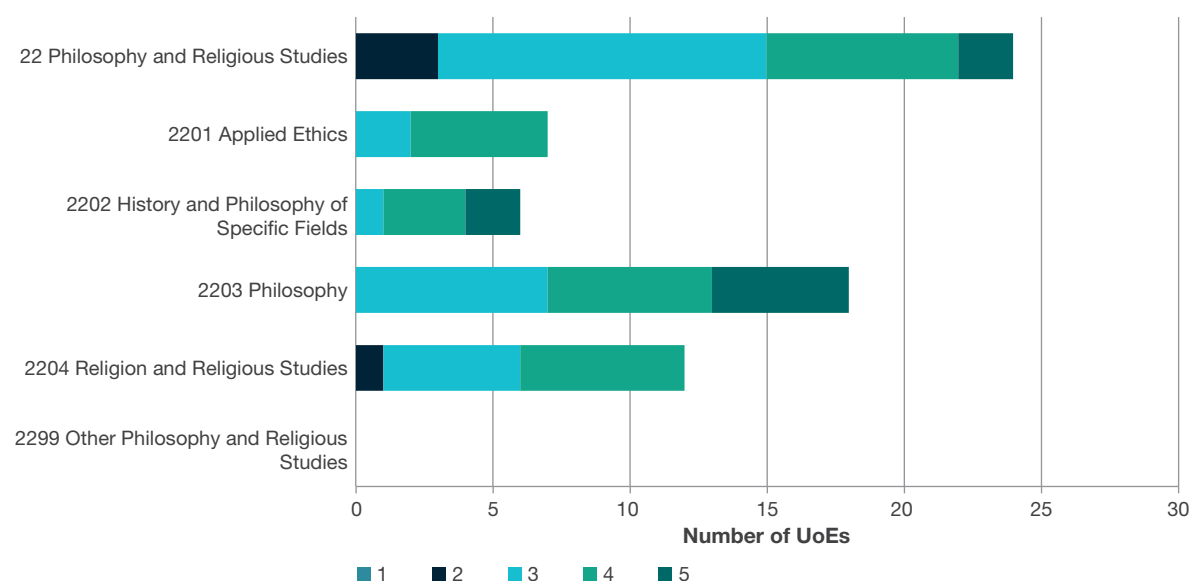
FoR Overview

Philosophy and Religious Studies (22) contributed approximately two per cent of the research outputs to ERA 2015. Journal articles were the most common research output type (53 per cent) followed by book chapters (38 per cent). Philosophy (2203) and Religion and Religious Studies (2204) were the two largest sub-disciplines in terms of research outputs, research income and staffing levels. Applied Ethics (2201) was the only code that reported research commercialisation income.

Indicator	No.
Research outputs	6,619.1
Research income	\$47,552,105
FTEs	616.8
Esteem count	118.1
Patents	–
Research commercialisation income	\$40,895

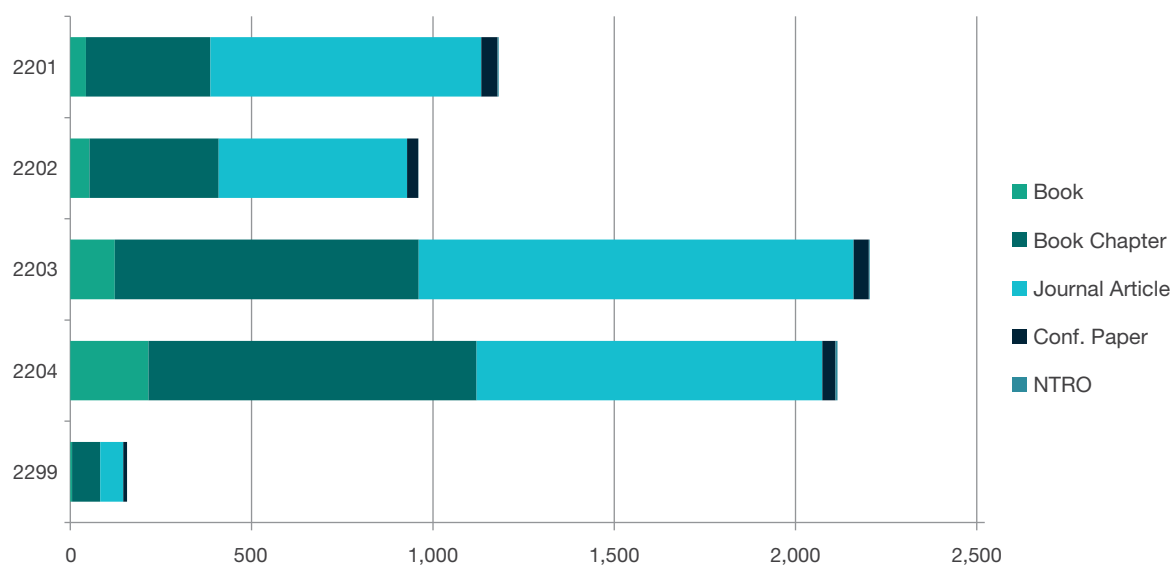
Rating	Distribution	
	Two-digit	Four-digit
5	2	7
4	7	20
3	12	15
2	3	1
1	0	0
Total	24	43

NUMBER OF UOES PER RATING SCALE SCORE



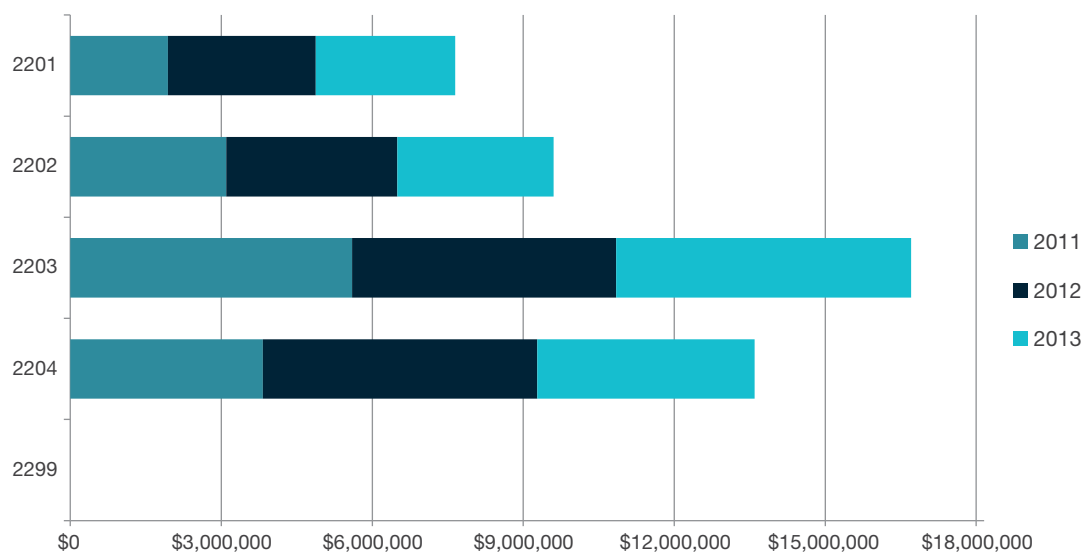
Note: 22 Philosophy and Religious Studies shows assessed two-digit UoEs only.

RESEARCH OUTPUTS SUBMITTED BY TYPE



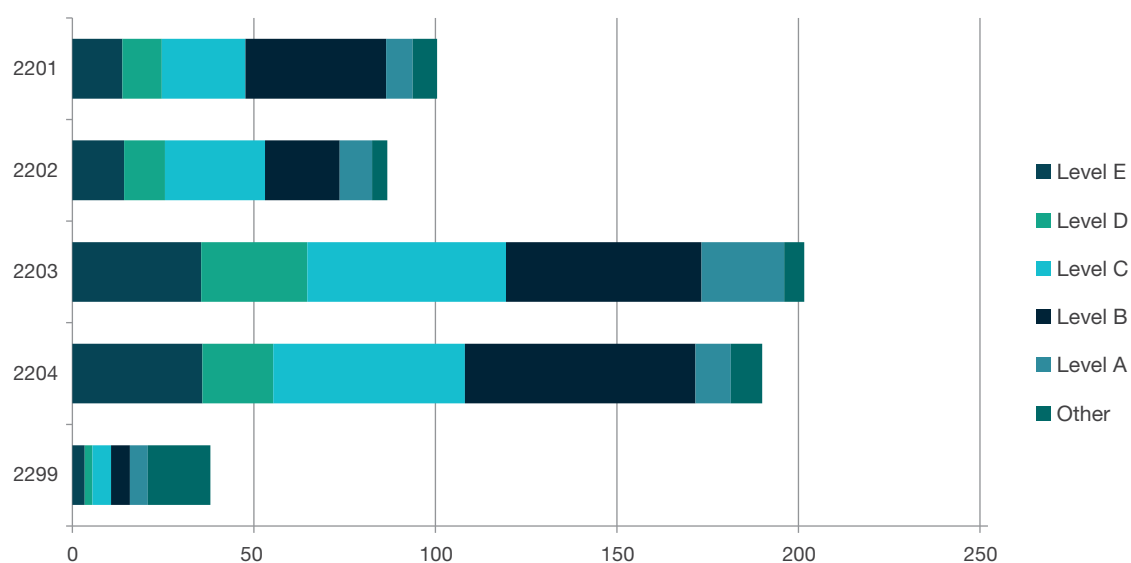
FoR code	Book	Book Chapter	Journal Article	Conference Paper	NTRO	Total
2201 Applied Ethics	42.9	343.7	746.6	45.3	3.3	1,181.8
2202 History and Philosophy of Specific Fields	53.0	356.2	519.7	30.5	1.0	960.5
2203 Philosophy	122.7	837.9	1,199.8	41.9	2.5	2,204.8
2204 Religion and Religious Studies	215.6	904.7	953.7	36.8	5.0	2,115.8
2299 Other Philosophy and Religious Studies	5.0	77.6	63.1	10.5	0.0	156.2
Total	439.2	2,520.1	3,483.0	164.9	11.8	6,619.1

RESEARCH INCOME BY YEAR–ALL CATEGORIES (\$)

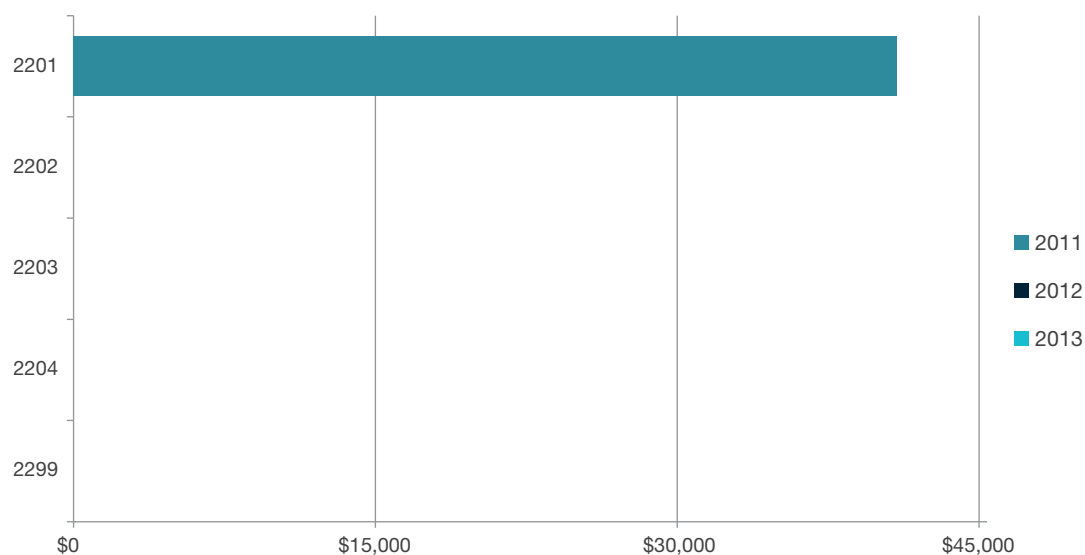


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
2201 Applied Ethics	1,937,079	2,940,949	2,770,546	7,648,574
2202 History and Philosophy of Specific Fields	3,099,607	3,398,581	3,102,999	9,601,187
2203 Philosophy	5,597,902	5,245,259	5,861,916	16,705,077
2204 Religion and Religious Studies	3,822,490	5,456,622	4,318,154	13,597,267
2299 Other Philosophy and Religious Studies	0	0	0	0
Total	14,457,078	17,041,411	16,053,615	47,552,105

STAFFING PROFILE BY ACADEMIC LEVEL



RESEARCH COMMERCIALISATION INCOME BY YEAR (\$)

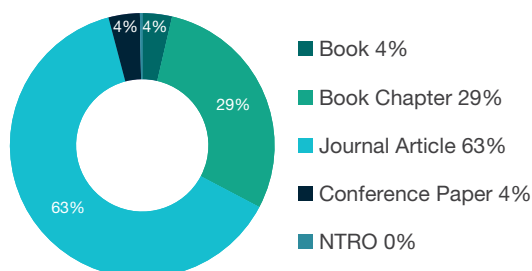


FoR code	2011 (\$)	2012 (\$)	2013 (\$)	Total (\$)
2201 Applied Ethics	40,895	0	0	40,895
2202 History and Philosophy of Specific Fields	0	0	0	0
2203 Philosophy	0	0	0	0
2204 Religion and Religious Studies	0	0	0	0
2299 Other Philosophy and Religious Studies	0	0	0	0
Total	40,895	0	0	40,895

2201 Applied Ethics

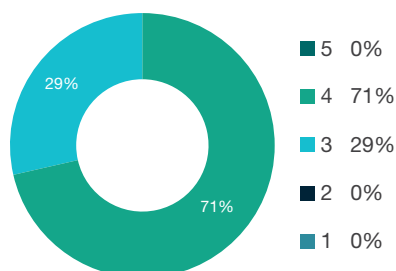
Indicator	No.
Research outputs	1,181.8
Research income	\$7,648,574
FTEs	100.5
Esteem count	12.1
Patents	–
Research commercialisation income	\$40,895

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	5
3	2
2	0
1	0
Total	7

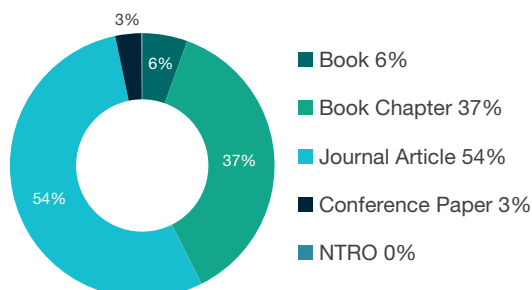
FOR RATING DISTRIBUTION



2202 History and Philosophy of Specific Fields

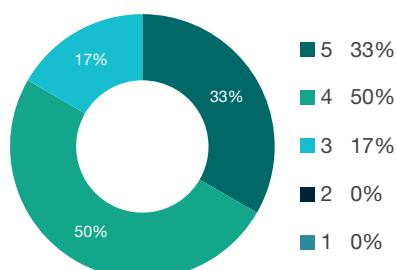
Indicator	No.
Research outputs	960.5
Research income	\$9,601,187
FTEs	86.8
Esteem count	24.1
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	2
4	3
3	1
2	0
1	0
Total	6

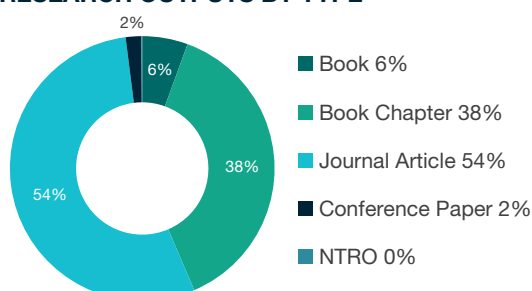
FOR RATING DISTRIBUTION



2203 Philosophy

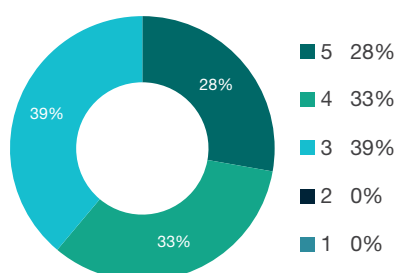
Indicator	No.
Research outputs	2,204.8
Research income	\$16,705,077
FTEs	201.6
Esteem count	64.3
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	5
4	6
3	7
2	0
1	0
Total	18

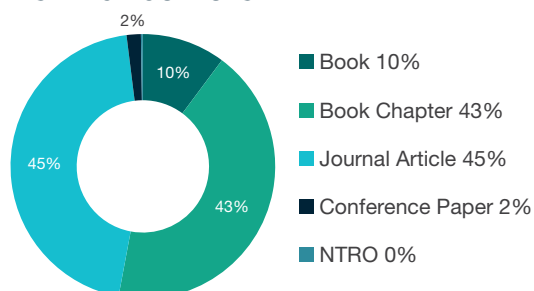
FOR RATING DISTRIBUTION



2204 Religion and Religious Studies

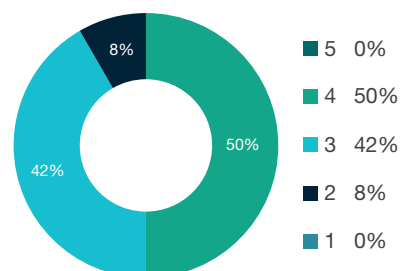
Indicator	No.
Research outputs	2,115.8
Research income	\$13,597,267
FTEs	190.0
Esteem count	17.2
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	6
3	5
2	1
1	0
Total	12

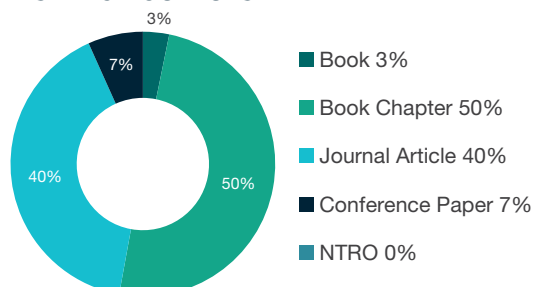
FOR RATING DISTRIBUTION



2299 Other Philosophy and Religious Studies

Indicator	No.
Research outputs	156.2
Research income	\$0
FTEs	38.0
Esteem count	0.3
Patents	–
Research commercialisation income	\$0

RESEARCH OUTPUTS BY TYPE



Rating	Distribution
5	0
4	0
3	0
2	0
1	0
Total	0

FOR RATING DISTRIBUTION

Note: There is no FoR rating distribution for 2299.

Research Outputs by Type	267
Research Outputs by Year	276
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SECTION 4

National Profiles by Fields of Research Code

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Section 4 provides detailed profiles of national ERA data by two- and four-digit FoR codes. Please note that there are differences in the applicability of indicators for each discipline. These are specified in the ERA 2015 Discipline Matrix, available from arc.gov.au/era-2015-submission-documents.

Where an indicator does not apply to a particular discipline, '–' is shown. '0' represents that the indicator applies to the discipline, but no data was submitted.

For each two- and four-digit FoR code the following data tables are provided:

Research Outputs by Type

This table shows the number of research outputs submitted by output type. There are two broad groups of research output types:

1. Traditional: 'book', 'book chapter', 'journal article' and 'conference paper'; and
2. Non-traditional: 'curated or exhibited event', 'live performance', 'original creative work', 'recorded or rendered work' and 'research report for an external body'.

All disciplines were required to submit eligible traditional research outputs and eligible 'research reports for an external body' (a non-traditional research output type, applicable to all disciplines). All humanities, creative arts and social sciences disciplines were also required to submit other eligible non-traditional research outputs.

Non-traditional research outputs could be submitted as part of a 'portfolio'. A 'portfolio' is a group of individual works which together constitute a single non-traditional research output. The portfolio submission was supported with information to demonstrate coherent research content.

Please note that all research outputs were submitted at the four-digit FoR code level. The two-digit FoR code level represents the aggregate of the outputs from the relevant four-digit FoR codes which sit beneath the two-digit FoR code.

Research Outputs by Year

This table shows the number of research outputs submitted to ERA 2015 for each year of the reference period. For ERA 2015, the reference period for research outputs was 1 January 2008—31 December 2013. As a 'portfolio' can span multiple years, they are not included in yearly figures.

HERDC Category 1 — Australian Competitive Grants Research Income

This table shows the total amount of HERDC Category 1 research income submitted to ERA 2015 for each year of the reference period. For ERA 2015, the reference period for research income was 1 January 2011—31 December 2013.

HERDC Category 1 income refers to income received from programmes listed on the Australian Competitive Grants Register. The HERDC Category 1 grants are highly competitive and have a strong element of peer review.

The 'median income' column shows the middle amount of Category 1 income submitted to ERA 2015 from an individual institution for an FoR code across the three-year reference period. The 'maximum income' column shows the highest amount submitted to ERA 2015 from an individual institution for an FoR code across the three-year reference period.

HERDC Category 2 — Other Public Sector Research Income

This table shows the total amount of HERDC Category 2 research income submitted to ERA 2015 for each year of the reference period. For ERA 2015, the reference period for research income was 1 January 2011—31 December 2013.

HERDC Category 2 income refers to any other research income received from the Australian Government that is not eligible for inclusion as HERDC Category 1 research income. This includes income from both state and local governments.

The 'median income' column shows the middle amount of Category 2 income submitted to ERA 2015 from an individual institution for an FoR code across the three-year reference period. The 'maximum income' column shows the highest amount submitted to ERA 2015 from an individual institution for an FoR code across the three-year reference period.

HERDC Category 3 — Industry and Other Research Income

This table shows the total amount of HERDC Category 3 research income submitted to ERA 2015 for each year of the reference period. For ERA 2015, the reference period for research income was 1 January 2011—31 December 2013.

HERDC Category 3 income refers to income from industry and other non-Australian government organisations. This category of income is broken down into three sub-categories: Australian, International A and International B (detailed below).

The 'median income' column shows the middle amount of Category 3 income submitted to ERA 2015 from an individual institution for an FoR code across the three-year reference period. The 'maximum income' column shows the highest amount submitted to ERA 2015 from an individual institution for an FoR code across the three-year reference period.

HERDC Category 3 — Industry and Other Research Income (Australian)

HERDC Category 3 (Australian) income refers to contract, grant, donation, bequest and foundation income from Australian industry.

HERDC Category 3 — Industry and Other Research Income (International A)

HERDC Category 3 (International A) income refers to competitive, peer reviewed grants for research from non-Australian industry or non-Australian government agencies including non-Australian industry collaborative research grants.

HERDC Category 3 — Industry and Other Research Income (International B)

HERDC Category 3 (International B) income refers to income from non–Australian industry or governments that cannot be included in International A research income.

HERDC Category 4 — CRC Research Income

This table shows the total amount of HERDC Category 4 research income submitted to ERA 2015 for each year of the reference period. For ERA 2015, the reference period for research income was 1 January 2011–31 December 2013.

HERDC Category 4 income refers to income received by Cooperative Research Centres (CRCs) in which the relevant institution is a core participant (i.e. a signatory to the CRC’s Commonwealth Agreement).

The ‘median income’ column shows the middle amount of Category 4 income submitted to ERA 2015 from an individual institution for an FoR code across the three–year reference period. The ‘maximum income’ column shows the highest amount submitted to ERA 2015 from an individual institution for an FoR code across the three–year reference period.

Staffing Profile

This table shows the number of staff submitted to ERA 2015 as of the staff census date (31 March 2014). Both the ‘FTE’ (Full–Time Equivalent) and ‘Headcount’ figures are shown and correspond to the definition of staff outlined in the Higher Education Staff Data Collection Specifications. ‘FTE’ represents the time or workload of individuals employed while ‘Headcount’ represents the raw number of employees. ‘FTE’ is classified into staffing Levels A–E and Other while ‘Headcount’ is classified into ‘FTE’ (Levels A–E and Other), ‘Casual’ and ‘Other Appointment’.

Esteem

This table shows the number of esteem measures submitted to ERA 2015 for the reference period. For ERA 2015, the reference period for esteem measures was 1 January 2011–31 December 2013.

Esteem measures indicate that a researcher is held in particularly high regard by their peers or other qualified parties. Eligible esteem measures for ERA 2015 included:

- › editor of a prestigious work of reference
- › membership of a learned academy and membership of AIATSIS
- › recipient of a nationally competitive research fellowship
- › membership of a statutory committee
- › recipient of an Australia Council Grant or Australia Council Fellowship.

The applicability of an esteem measure is dependent on the discipline.

Patents Granted

This table shows the number of patents granted by country or type submitted to ERA 2015 for the reference period. For ERA 2015, the reference period for patents was 1 January 2011—31 December 2013.

Patents granted in Australia, United States, Europe, and Japan are reported in ERA 2015. Patents granted in other jurisdictions are grouped into the 'other international' category. Triadic patents are a series of corresponding patents filed at the European Patent Office (EPO), the United States Patent and Trademark Office (USPTO) and the Japan Patent Office (JPO), for the same invention by the same applicant or inventor. Institutions were required to identify patents that are essentially the same patent registered in more than one country—the 'patent family' column displays a set of unique patents.

Registered Designs

This table shows the number of registered designs submitted to ERA 2015 for the reference period. For ERA 2015, the reference period for registered designs was 1 January 2011—31 December 2013.

A registered design is a right granted for new and distinctive designs. Once a registered design has been examined and certified, the owner has an exclusive right to use, license and/or sell the registered design, and to enforce it against an infringer.

Only eligible disciplines in 08 Information and Computing Sciences, 10 Technology, 12 Built Environment and Design, and 19 Studies in Creative Arts and Writing submitted registered designs to ERA 2015.

Plant Breeder's Rights

This table shows the number of Plant Breeder's Rights (PBRs) submitted to ERA 2015 for the reference period. For ERA 2015, the reference period for PBRs was 1 January 2011—31 December 2013.

PBRs are proprietary rights held by breeders of certain new varieties of plants and fungi. Such rights are legally enforceable and give exclusive commercial rights to market a new variety or its propagating material for the duration of the PBR. For ERA 2015 purposes, PBRs were those granted under the *Plant Breeder's Rights Act 1994* (Cth) or their international equivalents.

Only eligible disciplines in the 05 Environmental Sciences, 06 Biological Sciences, 07 Agricultural and Veterinary Sciences, and 10 Technology submitted PBRs to ERA 2015.

NHMRC Endorsed Guidelines

This table shows the number of National Health and Medical Research Council (NHMRC) Endorsed Guidelines submitted to ERA 2015 for the reference period. For ERA 2015, the reference period for NHMRC Endorsed Guidelines was 1 January 2011—31 December 2013.

Guidelines endorsed by the NHMRC and those on population health, clinical practice and ethics may be produced by groups external to the NHMRC, or developed by the NHMRC with the assistance of expert working groups.

Only eligible disciplines in 11 Medical and Health Sciences submitted NHMRC Endorsed Guidelines to ERA 2015.

Research Commercialisation Income

This table shows the total amount of research commercialisation income submitted to ERA 2015 for each year of the reference period. For ERA 2015, the reference period for income was 1 January 2011—31 December 2013.

Research commercialisation income is defined as commercial returns via income and/or capital gains resulting from the commercialisation of research outputs, services and intellectual property. Under ERA 2015, research commercialisation income was treated as an 'applied measure' rather than as 'research income'.

The 'median income' column shows the middle amount submitted to ERA 2015 from an individual institution for an FoR code across the three-year reference period. The 'maximum income' column shows the highest amount submitted to ERA 2015 from an individual institution for an FoR code across the three-year reference period.

Two- and four-digit FoR codes for 18 Law and Legal Studies do not use research commercialisation income as an applied measure nor do some underlying four-digit codes in 11 Medical and Health Sciences.

RESEARCH OUTPUTS BY TYPE

FoR Code	FoR Name	Book	Book Chapter	Journal Article	Conference Paper	Curated or Exhibited Event	Live Performance	Original Creative Work	Recorded or Rendered Work	Research Report for an External Body	Portfolio	Total	% of Total
01	Mathematical Sciences	66.3	413.6	8,846.3	1,295.2	-	-	-	-	11.3	-	10,632.6	2.5
0101	Pure Mathematics	17.7	61.6	2,573.3	78.5	-	-	-	-	1.0	-	2,732.0	0.6
0102	Applied Mathematics	23.9	146.6	2,782.0	506.3	-	-	-	-	5.0	-	3,463.8	0.8
0103	Numerical and Computational Mathematics	4.5	52.9	844.8	247.1	-	-	-	-	0.0	-	1,149.4	0.3
0104	Statistics	16.4	91.6	1,507.5	324.4	-	-	-	-	3.3	-	1,943.3	0.4
0105	Mathematical Physics	1.8	28.7	670.9	19.0	-	-	-	-	0.0	-	720.3	0.2
0199	Other Mathematical Sciences	2.0	32.3	467.7	119.8	-	-	-	-	2.0	-	623.8	0.1
02	Physical Sciences	19.2	234.4	14,242.6	2,487.6	-	-	-	-	7.0	-	16,990.8	3.9
0201	Astronomical and Space Sciences	2.3	44.9	4,413.6	387.3	-	-	-	-	1.0	-	4,849.1	1.1
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	2.5	17.6	2,488.3	243.9	-	-	-	-	4.0	-	2,756.4	0.6
0203	Classical Physics	2.0	10.3	540.8	150.1	-	-	-	-	1.0	-	704.2	0.2
0204	Condensed Matter Physics	4.5	49.8	1,982.2	306.9	-	-	-	-	0.0	-	2,343.4	0.5
0205	Optical Physics	2.2	57.9	2,406.6	1,163.6	-	-	-	-	0.0	-	3,630.3	0.8
0206	Quantum Physics	3.4	21.0	1,403.7	154.0	-	-	-	-	0.0	-	1,582.0	0.4
0299	Other Physical Sciences	2.3	33.0	1,007.4	81.8	-	-	-	-	1.0	-	1,125.4	0.3
03	Chemical Sciences	16.1	455.7	14,362.5	454.1	-	-	-	-	0.5	-	15,288.8	3.5
0301	Analytical Chemistry	2.0	71.6	1,763.4	60.4	-	-	-	-	0.0	-	1,897.3	0.4
0302	Inorganic Chemistry	1.0	34.4	1,901.8	19.0	-	-	-	-	0.0	-	1,956.2	0.5
0303	Macromolecular and Materials Chemistry	5.6	72.2	2,027.0	131.3	-	-	-	-	0.5	-	2,236.5	0.5

Continued

RESEARCH OUTPUTS BY TYPE

FoR Code	FoR Name	Book	Book Chapter	Journal Article	Conference Paper	Curated or Exhibited Event	Live Performance	Original Creative Work	Recorded or Rendered Work	Research Report for an External Body	Portfolio	Total	% of Total
0304	Medicinal and Biomolecular Chemistry	1.0	77.5	1,940.2	27.1	–	–	–	–	0.0	–	2,045.9	0.5
0305	Organic Chemistry	0.0	51.0	1,726.4	11.5	–	–	–	–	0.0	–	1,788.9	0.4
0306	Physical Chemistry (Incl. Structural)	2.5	75.3	3,384.1	135.5	–	–	–	–	0.0	–	3,597.4	0.8
0307	Theoretical and Computational Chemistry	1.0	25.5	885.8	21.8	–	–	–	–	0.0	–	934.1	0.2
0399	Other Chemical Sciences	3.0	48.3	733.8	47.5	–	–	–	–	0.0	–	832.6	0.2
04	Earth Sciences	36.0	503.9	9,492.4	1,016.4	–	–	–	–	41.8	–	11,090.4	2.6
0401	Atmospheric Sciences	5.0	52.2	979.2	107.6	–	–	–	–	3.2	–	1,147.1	0.3
0402	Geochemistry	1.0	29.8	1,375.7	45.1	–	–	–	–	1.5	–	1,453.1	0.3
0403	Geology	8.2	152.5	2,839.6	159.5	–	–	–	–	6.0	–	3,165.8	0.7
0404	Geophysics	2.0	22.9	962.3	181.3	–	–	–	–	0.0	–	1,168.5	0.3
0405	Oceanography	2.0	44.1	1,102.4	77.8	–	–	–	–	1.0	–	1,227.2	0.3
0406	Physical Geography and Environmental Geoscience	14.3	179.6	1,826.8	422.3	–	–	–	–	29.6	–	2,472.5	0.6
0499	Other Earth Sciences	3.5	22.9	406.4	22.8	–	–	–	–	0.5	–	456.1	0.1
05	Environmental Sciences	92.1	1,043.4	6,908.6	925.0	–	–	–	–	319.3	–	9,288.4	2.1
0501	Ecological Applications	19.1	134.8	1,254.2	86.1	–	–	–	–	26.4	–	1,520.5	0.4
0502	Environmental Science and Management	69.1	733.7	3,802.8	571.9	–	–	–	–	285.4	–	5,462.9	1.3
0503	Soil Sciences	0.5	104.2	1,167.2	201.8	–	–	–	–	1.0	–	1,474.7	0.3
0599	Other Environmental Sciences	3.5	70.7	684.4	65.2	–	–	–	–	6.5	–	830.3	0.2
06	Biological Sciences	67.5	1,413.7	26,879.0	399.5	–	–	–	–	26.6	–	28,786.3	6.7
0601	Biochemistry and Cell Biology	3.5	295.3	5,737.2	77.3	–	–	–	–	1.0	–	6,114.3	1.4
0602	Ecology	13.3	261.4	4,021.8	63.6	–	–	–	–	14.6	–	4,374.8	1.0

Continued

RESEARCH OUTPUTS BY TYPE

FoR Code	FoR Name	Book	Book Chapter	Journal Article	Conference Paper	Curated or Exhibited Event	Live Performance	Original Creative Work	Recorded or Rendered Work	Research Report for an External Body	Portfolio	Total	% of Total
0603	Evolutionary Biology	9.1	97.7	2,392.8	17.7	-	-	-	-	1.0	-	2,518.3	0.6
0604	Genetics	1.5	154.3	2,314.1	56.4	-	-	-	-	1.5	-	2,527.8	0.6
0605	Microbiology	2.8	156.8	2,752.2	29.8	-	-	-	-	1.0	-	2,942.7	0.7
0606	Physiology	1.5	31.1	1,137.0	22.3	-	-	-	-	0.0	-	1,191.9	0.3
0607	Plant Biology	6.5	164.4	3,054.9	68.9	-	-	-	-	3.0	-	3,297.7	0.8
0608	Zoology	24.1	152.7	4,570.2	38.9	-	-	-	-	3.5	-	4,789.5	1.1
0699	Other Biological Sciences	5.2	100.0	898.6	24.6	-	-	-	-	1.0	-	1,029.4	0.2
07	Agricultural and Veterinary Sciences	41.3	619.5	9,902.1	1,431.3	-	-	-	-	100.7	-	12,094.8	2.8
0701	Agriculture, Land and Farm Management	11.7	78.5	776.2	168.1	-	-	-	-	7.6	-	1,042.2	0.2
0702	Animal Production	6.6	80.3	1,241.5	457.8	-	-	-	-	18.0	-	1,804.2	0.4
0703	Crop and Pasture Production	4.0	158.2	2,006.1	488.5	-	-	-	-	3.3	-	2,660.0	0.6
0704	Fisheries Sciences	8.6	98.8	1,517.7	27.1	-	-	-	-	35.5	-	1,687.6	0.4
0705	Forestry Sciences	5.2	79.9	881.2	40.8	-	-	-	-	21.2	-	1,028.4	0.2
0706	Horticultural Production	2.0	41.5	826.2	116.2	-	-	-	-	8.8	-	994.7	0.2
0707	Veterinary Sciences	2.3	65.1	2,279.8	71.4	-	-	-	-	6.3	-	2,424.9	0.6
0799	Other Agricultural and Veterinary Sciences	1.0	17.3	373.3	61.3	-	-	-	-	0.0	-	452.9	0.1
08	Information and Computing Sciences	97.5	1,537.0	7,999.0	15,205.4	-	-	-	-	17.6	-	24,856.6	5.7
0801	Artificial Intelligence and Image Processing	30.0	516.2	2,688.7	5,960.0	-	-	-	-	1.0	-	9,196.0	2.1
0802	Computation Theory and Mathematics	4.5	76.1	719.9	659.8	-	-	-	-	0.0	-	1,460.2	0.3
0803	Computer Software	6.4	90.0	672.7	1,589.8	-	-	-	-	1.0	-	2,359.9	0.5
0804	Data Format	1.0	33.8	178.1	666.6	-	-	-	-	0.0	-	879.4	0.2

Continued

RESEARCH OUTPUTS BY TYPE

FoR Code	FoR Name	Book	Book Chapter	Journal Article	Conference Paper	Curated or Exhibited Event	Live Performance	Original Creative Work	Recorded or Rendered Work	Research Report for an External Body	Portfolio	Total	% of Total
0805	Distributed Computing	10.6	198.8	812.8	1,556.2	–	–	–	–	0.0	–	2,578.3	0.6
0806	Information Systems	32.3	445.6	1,775.3	3,811.1	–	–	–	–	0.0	–	6,064.2	1.4
0807	Library and Information Studies	10.0	126.1	800.2	441.5	–	–	–	–	15.6	–	1,393.4	0.3
0899	Other Information and Computing Sciences	2.8	50.6	351.4	520.5	–	–	–	–	0.0	–	925.3	0.2
09	Engineering	163.3	1,676.3	32,805.8	22,416.1	–	–	–	–	63.1	–	57,124.6	13.2
0901	Aerospace Engineering	2.7	34.0	572.3	456.3	–	–	–	–	1.0	–	1,066.1	0.2
0902	Automotive Engineering	0.0	12.4	329.9	310.4	–	–	–	–	2.4	–	655.1	0.2
0903	Biomedical Engineering	4.3	98.3	1,718.8	884.6	–	–	–	–	1.0	–	2,707.1	0.6
0904	Chemical Engineering	8.0	166.6	4,365.2	1,083.8	–	–	–	–	4.0	–	5,627.6	1.3
0905	Civil Engineering	42.6	242.5	4,711.5	4,353.2	–	–	–	–	14.1	–	9,363.9	2.2
0906	Electrical and Electronic Engineering	35.6	286.6	4,680.6	7,474.5	–	–	–	–	3.7	–	12,481.1	2.9
0907	Environmental Engineering	4.1	81.0	1,171.0	597.8	–	–	–	–	9.9	–	1,863.8	0.4
0908	Food Sciences	2.3	55.1	1,044.8	67.3	–	–	–	–	3.2	–	1,172.6	0.3
0909	Geomatic Engineering	5.0	132.7	687.5	627.0	–	–	–	–	2.0	–	1,454.2	0.3
0910	Manufacturing Engineering	0.2	33.8	900.2	380.5	–	–	–	–	1.0	–	1,315.8	0.3
0911	Maritime Engineering	2.3	7.8	385.7	366.5	–	–	–	–	0.0	–	762.3	0.2
0912	Materials Engineering	19.6	185.8	5,839.2	1,043.1	–	–	–	–	0.0	–	7,087.7	1.6
0913	Mechanical Engineering	20.4	209.8	3,258.9	2,262.9	–	–	–	–	0.9	–	5,752.9	1.3
0914	Resources Engineering and Extractive Metallurgy	6.6	44.4	1,528.3	953.0	–	–	–	–	12.1	–	2,544.4	0.6
0915	Interdisciplinary Engineering	4.3	56.0	807.6	637.3	–	–	–	–	1.0	–	1,506.3	0.3
0999	Other Engineering	5.3	29.5	804.4	917.7	–	–	–	–	6.8	–	1,763.8	0.4

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RESEARCH OUTPUTS BY TYPE

FoR Code	FoR Name	Book	Book Chapter	Journal Article	Conference Paper	Curated or Exhibited Event	Live Performance	Original Creative Work	Recorded or Rendered Work	Research Report for an External Body	Portfolio	Total	% of Total
10	Technology	20.1	393.8	3,173.3	2,852.1	-	-	-	-	3.3	-	6,442.7	1.5
1001	Agricultural Biotechnology	0.0	18.2	311.7	9.6	-	-	-	-	0.0	-	339.5	0.1
1002	Environmental Biotechnology	0.4	23.4	277.8	19.9	-	-	-	-	1.8	-	323.3	0.1
1003	Industrial Biotechnology	0.2	22.8	233.3	7.0	-	-	-	-	0.0	-	263.3	0.1
1004	Medical Biotechnology	0.0	48.6	471.9	46.6	-	-	-	-	0.0	-	567.1	0.1
1005	Communications Technologies	5.5	54.4	825.1	926.4	-	-	-	-	0.0	-	1,811.4	0.4
1006	Computer Hardware	0.0	0.2	40.0	204.8	-	-	-	-	0.0	-	244.9	0.1
1007	Nanotechnology	1.5	59.2	808.2	182.4	-	-	-	-	0.0	-	1,051.3	0.2
1099	Other Technology	12.5	166.9	205.4	1,455.5	-	-	-	-	1.5	-	1,841.8	0.4
11	Medical and Health Sciences	238.4	4,264.0	83,885.1	1,819.3	-	-	-	-	443.7	-	90,650.5	20.9
1101	Medical Biochemistry and Metabolomics	0.0	43.1	979.4	4.0	-	-	-	-	0.5	-	1,027.0	0.2
1102	Cardiovascular Medicine and Haematology	3.3	104.4	3,594.3	68.9	-	-	-	-	0.5	-	3,771.5	0.9
1103	Clinical Sciences	35.4	879.4	21,593.1	397.6	-	-	-	-	21.0	-	22,926.4	5.3
1104	Complementary and Alternative Medicine	2.5	72.2	877.1	20.2	-	-	-	-	1.6	-	973.7	0.2
1105	Dentistry	6.0	56.8	1,481.5	12.5	-	-	-	-	0.5	-	1,557.2	0.4
1106	Human Movement and Sports Science	17.3	326.9	4,659.7	277.4	-	-	-	-	11.2	-	5,292.5	1.2
1107	Immunology	0.3	84.0	2,696.9	20.5	-	-	-	-	0.0	-	2,801.7	0.6
1108	Medical Microbiology	0.0	60.4	1,938.1	6.5	-	-	-	-	0.0	-	2,004.9	0.5
1109	Neurosciences	12.2	298.5	4,902.6	108.4	-	-	-	-	0.0	-	5,321.6	1.2
1110	Nursing	13.7	153.9	4,695.0	61.5	-	-	-	-	52.6	-	4,976.8	1.2
1111	Nutrition and Dietetics	4.3	61.3	1,519.8	13.4	-	-	-	-	5.4	-	1,604.3	0.4
1112	Oncology and Carcinogenesis	1.0	151.3	4,248.9	65.7	-	-	-	-	0.0	-	4,466.8	1.0

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RESEARCH OUTPUTS BY TYPE

FoR Code	FoR Name	Book	Book Chapter	Journal Article	Conference Paper	Curated or Exhibited Event	Live Performance	Original Creative Work	Recorded or Rendered Work	Research Report for an External Body	Portfolio	Total	% of Total
1113	Ophthalmology and Optometry	3.0	60.8	2,202.7	38.1	–	–	–	–	9.0	–	2,313.6	0.5
1114	Paediatrics and Reproductive Medicine	7.7	193.5	4,691.4	58.0	–	–	–	–	3.5	–	4,954.1	1.1
1115	Pharmacology and Pharmaceutical Sciences	1.5	165.0	4,750.5	83.1	–	–	–	–	1.4	–	5,001.5	1.2
1116	Medical Physiology	0.0	39.0	1,577.5	19.7	–	–	–	–	0.0	–	1,636.2	0.4
1117	Public Health and Health Services	113.7	1,204.8	14,951.2	415.4	–	–	–	–	301.2	–	16,986.2	3.9
1199	Other Medical and Health Sciences	16.5	308.8	2,525.4	148.6	–	–	–	–	35.2	–	3,034.5	0.7
12	Built Environment and Design	198.1	1,323.1	3,245.4	3,719.9	163.5	17.0	1,003.7	43.8	137.2	82.5	9,934.2	2.3
1201	Architecture	63.2	488.1	524.2	750.5	96.3	7.0	665.2	22.0	11.7	57.0	2,685.2	0.6
1202	Building	19.4	103.9	843.0	1,054.2	0.0	0.0	6.0	1.0	22.7	0.0	2,050.2	0.5
1203	Design Practice and Management	30.8	219.2	452.0	782.0	59.2	9.0	297.6	18.8	9.4	21.5	1,899.3	0.4
1204	Engineering Design	2.3	2.0	23.5	57.6	0.0	0.0	0.0	0.0	0.0	0.0	85.4	0.0
1205	Urban and Regional Planning	73.3	446.0	1,316.4	938.0	3.0	0.0	21.9	1.0	84.7	1.0	2,885.2	0.7
1299	Other Built Environment and Design	9.2	63.9	86.3	137.6	5.0	1.0	13.0	1.0	8.8	3.0	328.8	0.1
13	Education	349.4	4,386.2	11,021.6	4,145.7	0.0	2.0	8.0	14.8	340.2	19.0	20,286.9	4.7
1301	Education Systems	72.2	851.9	2,296.3	678.8	0.0	0.5	2.8	4.0	145.2	8.3	4,060.0	0.9
1302	Curriculum and Pedagogy	107.1	1,522.7	3,520.2	1,381.3	0.0	1.0	1.3	5.0	71.9	0.8	6,611.2	1.5
1303	Specialist Studies in Education	158.2	1,789.8	4,800.3	1,782.9	0.0	0.5	4.0	4.8	118.6	9.9	8,669.1	2.0
1399	Other Education	11.9	221.7	404.8	302.7	0.0	0.0	0.0	1.0	4.4	0.0	946.5	0.2

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RESEARCH OUTPUTS BY TYPE

FoR Code	FoR Name	Book	Book Chapter	Journal Article	Conference Paper	Curated or Exhibited Event	Live Performance	Original Creative Work	Recorded or Rendered Work	Research Report for an External Body	Portfolio	Total	% of Total
14	Economics	120.9	972.2	5,606.2	615.8	0.0	0.0	1.0	0.0	69.4	1.0	7,386.5	1.7
1401	Economic Theory	15.0	77.3	576.7	82.6	0.0	0.0	0.0	0.0	1.0	0.0	752.5	0.2
1402	Applied Economics	85.6	726.0	4,120.9	315.8	0.0	0.0	0.0	0.0	63.5	1.0	5,312.8	1.2
1403	Econometrics	7.9	62.2	542.7	69.2	0.0	0.0	1.0	0.0	0.0	0.0	683.0	0.2
1499	Other Economics	12.4	106.7	365.9	148.2	0.0	0.0	0.0	0.0	4.9	0.0	638.2	0.1
15	Commerce, Management, Tourism and Services	237.5	2,787.7	14,527.8	5,711.2	0.0	0.0	2.0	1.0	113.8	3.0	23,384.0	5.4
1501	Accounting, Auditing and Accountability	24.6	160.6	1,953.1	466.5	0.0	0.0	2.0	0.0	6.0	0.0	2,612.7	0.6
1502	Banking, Finance and Investment	22.0	147.0	2,060.1	252.6	0.0	0.0	0.0	0.0	4.9	0.0	2,486.6	0.6
1503	Business and Management	112.4	1,350.2	5,302.1	2,100.8	0.0	0.0	0.0	1.0	52.3	2.0	8,920.8	2.1
1504	Commercial Services	11.0	115.4	551.4	224.6	0.0	0.0	0.0	0.0	6.5	0.0	908.9	0.2
1505	Marketing	8.4	228.4	2,235.2	1,279.4	0.0	0.0	0.0	0.0	7.8	0.0	3,759.2	0.9
1506	Tourism	28.7	548.8	1,468.8	392.0	0.0	0.0	0.0	0.0	32.3	1.0	2,471.6	0.6
1507	Transportation and Freight Services	2.0	73.0	512.0	166.5	0.0	0.0	0.0	0.0	3.0	0.0	756.6	0.2
1599	Other Commerce, Management, Tourism and Services	28.4	164.3	445.1	828.7	0.0	0.0	0.0	0.0	1.0	0.0	1,467.5	0.3
16	Studies in Human Society	968.1	6,655.5	13,329.9	1,575.6	5.0	0.0	18.5	10.7	398.1	15.3	22,976.7	5.3
1601	Anthropology	99.2	623.8	934.5	60.1	2.0	0.0	4.0	7.7	11.8	5.0	1,748.2	0.4
1602	Criminology	79.8	567.7	1,260.8	195.1	0.0	0.0	4.0	0.0	19.3	5.0	2,131.6	0.5
1603	Demography	13.4	136.8	300.8	57.0	0.0	0.0	0.0	0.0	0.7	0.0	508.6	0.1
1604	Human Geography	47.2	427.5	1,354.4	171.3	0.0	0.0	0.0	1.5	29.5	1.0	2,032.3	0.5

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RESEARCH OUTPUTS BY TYPE

FoR Code	FoR Name	Book	Book Chapter	Journal Article	Conference Paper	Curated or Exhibited Event	Live Performance	Original Creative Work	Recorded or Rendered Work	Research Report for an External Body	Portfolio	Total	% of Total
1605	Policy and Administration	110.1	736.7	1,937.4	219.6	0.0	0.0	7.0	0.0	142.8	3.0	3,156.5	0.7
1606	Political Science	330.9	2,094.1	2,507.4	315.3	0.0	0.0	0.0	1.0	28.3	0.3	5,277.3	1.2
1607	Social Work	56.0	417.2	1,512.8	53.2	0.0	0.0	0.5	0.0	57.6	0.0	2,097.4	0.5
1608	Sociology	200.3	1,367.8	2,904.4	408.8	2.0	0.0	3.0	0.0	105.3	1.0	4,992.6	1.2
1699	Other Studies in Human Society	31.4	283.9	617.5	95.2	1.0	0.0	0.0	0.5	2.8	0.0	1,032.3	0.2
17	Psychology and Cognitive Sciences	104.3	1,464.5	11,957.1	796.4	–	–	–	–	54.9	–	14,377.1	3.3
1701	Psychology	87.7	1,258.4	9,917.1	594.0	–	–	–	–	39.6	–	11,896.6	2.7
1702	Cognitive Sciences	4.0	79.3	1,292.5	142.3	–	–	–	–	2.0	–	1,520.0	0.4
1799	Other Psychology and Cognitive Sciences	12.6	126.8	747.6	60.2	–	–	–	–	13.3	–	960.5	0.2
18	Law and Legal Studies	425.6	2,925.7	6,519.7	206.5	0.5	0.0	2.0	1.0	170.5	1.0	10,252.5	2.4
1801	Law	423.6	2,867.0	6,393.4	176.0	0.5	0.0	2.0	1.0	170.5	1.0	10,035.1	2.3
1802	Maori Law	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1899	Other Law and Legal Studies	2.0	58.7	126.2	30.5	0.0	0.0	0.0	0.0	0.0	0.0	217.4	0.1
19	Studies in Creative Arts and Writing	309.4	1,904.3	2,940.2	1,048.0	493.6	892.0	4,093.2	588.3	26.3	644.5	12,939.7	3.0
1901	Art Theory and Criticism	58.7	361.0	339.7	114.6	76.9	0.0	205.3	3.2	2.0	22.0	1,183.5	0.3
1902	Film, Television and Digital Media	68.1	418.7	646.7	248.2	41.3	17.5	378.6	283.1	12.5	31.1	2,145.7	0.5
1903	Journalism and Professional Writing	34.4	156.6	338.2	87.6	3.0	0.0	26.0	10.0	2.0	29.0	686.8	0.2
1904	Performing Arts and Creative Writing	105.1	739.7	1,321.8	427.7	101.6	838.0	1,208.5	228.8	7.8	329.7	5,308.6	1.2
1905	Visual Arts and Crafts	31.6	182.8	206.6	106.9	267.9	25.5	2,243.6	56.1	1.5	230.2	3,352.7	0.8
1999	Other Studies in Creative Arts and Writing	11.5	45.5	87.3	63.0	3.0	11.0	31.2	7.0	0.5	2.5	262.5	0.1

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RESEARCH OUTPUTS BY TYPE

FoR Code	FoR Name	Book	Book Chapter	Journal Article	Conference Paper	Curated or Exhibited Event	Live Performance	Original Creative Work	Recorded or Rendered Work	Research Report for an External Body	Portfolio	Total	% of Total
20	Language, Communication and Culture	822.9	4,774.8	6,489.1	1,057.7	14.5	2.0	87.3	51.9	96.5	13.0	13,409.7	3.1
2001	Communication and Media Studies	120.3	629.5	1,240.5	271.9	3.3	0.0	12.0	18.7	50.1	3.0	2,349.1	0.5
2002	Cultural Studies	230.5	1,279.1	1,733.5	162.7	4.9	2.0	30.4	9.4	28.7	5.5	3,486.7	0.8
2003	Language Studies	60.8	299.4	355.7	114.9	0.0	0.0	3.5	0.0	2.0	0.0	836.2	0.2
2004	Linguistics	162.3	1,065.9	1,445.2	383.5	0.0	0.0	11.0	23.0	13.8	0.0	3,104.7	0.7
2005	Literary Studies	232.3	1,347.3	1,578.3	77.8	6.3	0.0	27.7	0.8	1.0	4.5	3,275.9	0.8
2099	Other Language, Communication and Culture	16.8	153.6	135.9	47.0	0.0	0.0	2.8	0.0	1.0	0.0	357.0	0.1
21	History and Archaeology	654.8	2,999.7	3,882.1	266.3	76.0	0.0	21.8	15.7	7.1	10.7	7,934.1	1.8
2101	Archaeology	57.6	600.3	1,063.4	70.1	4.0	0.0	1.5	0.0	0.6	0.0	1,797.4	0.4
2102	Curatorial and Related Studies	9.2	153.2	126.5	36.5	58.5	0.0	3.0	0.8	0.5	1.0	389.2	0.1
2103	Historical Studies	568.5	2,174.8	2,632.9	148.8	13.5	0.0	17.3	14.9	6.0	9.7	5,586.3	1.3
2199	Other History and Archaeology	19.5	71.3	59.3	11.0	0.0	0.0	0.0	0.0	0.0	0.0	161.2	0.0
22	Philosophy and Religious Studies	439.2	2,520.1	3,483.0	164.9	0.0	0.0	6.5	0.0	4.3	1.0	6,619.1	1.5
2201	Applied Ethics	42.9	343.7	746.6	45.3	0.0	0.0	1.0	0.0	1.3	1.0	1,181.8	0.3
2202	History and Philosophy of Specific Fields	53.0	356.2	519.7	30.5	0.0	0.0	1.0	0.0	0.0	0.0	960.5	0.2
2203	Philosophy	122.7	837.9	1,199.8	41.9	0.0	0.0	1.5	0.0	1.0	0.0	2,204.8	0.5
2204	Religion and Religious Studies	215.6	904.7	953.7	36.8	0.0	0.0	3.0	0.0	2.0	0.0	2,115.8	0.5
2299	Other Philosophy and Religious Studies	5.0	77.6	63.1	10.5	0.0	0.0	0.0	0.0	0.0	0.0	156.2	0.0
Total		5,488.0	45,269.0	301,498.9	69,610.0	753.0	913.0	5,244.0	727.0	2,453.0	791.0	432,746.9	100.0

RESEARCH OUTPUTS BY YEAR

FoR Code	FoR Name	2008	2009	2010	2011	2012	2013	Total
01	Mathematical Sciences	1,697.9	1,780.6	1,719.5	1,761.1	1,836.7	1,836.9	10,632.6
0101	Pure Mathematics	431.3	428.2	450.3	442.3	522.1	457.9	2,732.0
0102	Applied Mathematics	567.0	623.9	536.6	557.3	548.1	631.0	3,463.8
0103	Numerical and Computational Mathematics	219.7	195.5	193.1	176.5	198.1	166.3	1,149.4
0104	Statistics	275.2	317.4	319.6	351.8	324.7	354.6	1,943.3
0105	Mathematical Physics	114.7	122.8	131.2	108.0	123.8	119.8	720.3
0199	Other Mathematical Sciences	90.0	92.7	88.7	125.2	119.9	107.2	623.8
02	Physical Sciences	2,448.4	2,589.0	2,723.8	2,950.6	3,267.9	3,011.1	16,990.8
0201	Astronomical and Space Sciences	676.2	688.4	769.3	840.5	960.1	914.7	4,849.1
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	371.4	368.1	385.4	479.5	648.1	503.9	2,756.4
0203	Classical Physics	118.0	116.7	135.1	102.4	121.6	110.4	704.2
0204	Condensed Matter Physics	368.0	385.6	410.8	403.3	420.7	354.9	2,343.4
0205	Optical Physics	493.5	578.4	639.5	671.0	637.5	610.3	3,630.3
0206	Quantum Physics	236.2	263.9	245.5	271.0	281.4	284.2	1,582.0
0299	Other Physical Sciences	185.1	187.9	138.2	182.8	198.6	232.7	1,125.4
03	Chemical Sciences	2,235.0	2,395.6	2,532.2	2,711.3	2,666.0	2,748.7	15,288.8
0301	Analytical Chemistry	304.2	302.5	319.5	330.1	327.7	313.3	1,897.3
0302	Inorganic Chemistry	323.6	341.1	291.1	360.8	306.3	333.3	1,956.2
0303	Macromolecular and Materials Chemistry	298.7	296.2	384.4	408.0	384.3	464.9	2,236.5
0304	Medicinal and Biomolecular Chemistry	255.0	313.7	356.2	360.3	406.8	353.9	2,045.9
0305	Organic Chemistry	245.9	277.9	292.9	310.0	344.0	318.2	1,788.9
0306	Physical Chemistry (Incl. Structural)	558.1	581.8	604.5	635.7	588.8	628.5	3,597.4
0307	Theoretical and Computational Chemistry	148.4	152.1	152.0	174.4	166.0	141.0	934.1
0399	Other Chemical Sciences	101.2	130.3	131.6	131.9	142.1	195.5	832.6
04	Earth Sciences	1,622.0	1,605.6	1,781.0	1,988.1	1,911.6	2,182.0	11,090.4
0401	Atmospheric Sciences	115.2	162.1	198.8	209.1	213.1	248.8	1,147.1
0402	Geochemistry	206.5	224.5	224.3	268.3	263.2	266.2	1,453.1
0403	Geology	515.8	463.2	537.5	504.1	544.4	600.7	3,165.8
0404	Geophysics	169.4	180.0	208.9	189.2	207.1	214.0	1,168.5

Continued

RESEARCH OUTPUTS BY YEAR

FoR Code	FoR Name	2008	2009	2010	2011	2012	2013	Total
0405	Oceanography	178.6	147.8	189.9	249.6	222.4	238.9	1,227.2
0406	Physical Geography and Environmental Geoscience	357.2	357.0	362.4	491.0	383.5	521.4	2,472.5
0499	Other Earth Sciences	79.3	70.9	59.2	76.7	77.9	92.0	456.1
05	Environmental Sciences	1,177.8	1,380.4	1,528.6	1,568.5	1,822.9	1,810.1	9,288.4
0501	Ecological Applications	181.5	221.9	236.5	286.0	290.8	303.7	1,520.5
0502	Environmental Science and Management	709.4	819.2	849.6	921.3	1,097.5	1,066.0	5,462.9
0503	Soil Sciences	176.2	206.4	302.7	222.2	302.0	265.3	1,474.7
0599	Other Environmental Sciences	110.6	133.0	139.9	139.0	132.7	175.1	830.3
06	Biological Sciences	4,298.0	4,560.6	4,542.4	4,826.0	5,191.3	5,368.1	28,786.3
0601	Biochemistry and Cell Biology	885.9	974.5	957.7	1,036.0	1,131.1	1,129.0	6,114.3
0602	Ecology	643.2	701.9	700.6	744.0	786.4	798.7	4,374.8
0603	Evolutionary Biology	358.0	382.7	364.2	406.1	494.6	512.7	2,518.3
0604	Genetics	346.0	378.8	365.8	456.2	483.8	497.1	2,527.8
0605	Microbiology	421.5	451.3	452.3	496.8	541.8	578.9	2,942.7
0606	Physiology	187.3	201.3	184.4	184.0	226.9	208.0	1,191.9
0607	Plant Biology	507.0	537.8	519.6	570.2	552.7	610.4	3,297.7
0608	Zoology	764.8	767.7	837.3	774.8	798.9	846.0	4,789.5
0699	Other Biological Sciences	184.4	164.5	160.4	157.8	175.2	187.1	1,029.4
07	Agricultural and Veterinary Sciences	1,913.3	1,917.6	2,043.9	2,000.3	2,165.7	2,054.0	12,094.8
0701	Agriculture, Land and Farm Management	141.7	160.4	175.0	176.6	186.3	202.1	1,042.2
0702	Animal Production	220.5	330.6	326.8	333.2	273.7	319.5	1,804.2
0703	Crop and Pasture Production	505.7	378.0	462.9	410.4	500.7	402.4	2,660.0
0704	Fisheries Sciences	253.8	240.9	268.0	307.2	326.8	291.0	1,687.6
0705	Forestry Sciences	176.6	162.9	167.5	159.7	192.3	169.3	1,028.4
0706	Horticultural Production	139.9	182.5	146.9	167.1	176.8	181.4	994.7
0707	Veterinary Sciences	373.6	393.0	407.9	396.8	426.3	427.2	2,424.9
0799	Other Agricultural and Veterinary Sciences	101.4	69.3	88.9	49.4	82.9	61.0	452.9

Continued

RESEARCH OUTPUTS BY YEAR

FoR Code	FoR Name	2008	2009	2010	2011	2012	2013	Total
08	Information and Computing Sciences	3,816.8	3,954.4	4,215.4	4,131.9	4,298.3	4,439.8	24,856.6
0801	Artificial Intelligence and Image Processing	1,389.0	1,416.4	1,525.2	1,496.7	1,632.9	1,735.7	9,196.0
0802	Computation Theory and Mathematics	230.9	254.3	255.0	235.4	230.4	254.3	1,460.2
0803	Computer Software	393.5	377.3	408.9	412.2	425.0	342.9	2,359.9
0804	Data Format	153.8	144.1	153.9	135.1	150.3	142.2	879.4
0805	Distributed Computing	338.3	374.6	419.5	467.0	477.6	501.3	2,578.3
0806	Information Systems	949.9	1,058.1	1,049.1	1,017.1	967.8	1,022.3	6,064.2
0807	Library and Information Studies	189.0	180.0	260.4	237.6	252.7	273.7	1,393.4
0899	Other Information and Computing Sciences	172.5	149.5	143.5	130.8	161.5	167.5	925.3
09	Engineering	7,938.7	8,432.5	9,304.3	9,879.5	10,600.6	10,969.0	57,124.6
0901	Aerospace Engineering	151.4	150.9	157.6	200.6	196.2	209.3	1,066.1
0902	Automotive Engineering	113.2	99.5	87.9	107.0	115.4	132.0	655.1
0903	Biomedical Engineering	384.5	371.9	451.7	477.7	489.9	531.4	2,707.1
0904	Chemical Engineering	773.4	909.9	913.5	977.0	968.4	1,085.4	5,627.6
0905	Civil Engineering	1,265.8	1,272.4	1,390.1	1,671.5	1,791.1	1,973.0	9,363.9
0906	Electrical and Electronic Engineering	1,713.8	1,805.3	1,985.2	2,211.0	2,425.3	2,340.4	12,481.1
0907	Environmental Engineering	255.5	304.6	299.0	371.6	287.5	345.6	1,863.8
0908	Food Sciences	181.0	185.9	206.6	187.1	198.5	213.6	1,172.6
0909	Geomatic Engineering	213.9	252.2	228.6	250.7	222.1	286.7	1,454.2
0910	Manufacturing Engineering	202.8	207.4	209.4	215.3	236.7	244.2	1,315.8
0911	Maritime Engineering	93.7	102.9	123.1	139.7	184.0	119.0	762.3
0912	Materials Engineering	938.8	1,072.2	1,297.7	1,154.9	1,376.1	1,248.0	7,087.7
0913	Mechanical Engineering	851.6	847.7	923.7	953.3	1,023.5	1,153.1	5,752.9
0914	Resources Engineering and Extractive Metallurgy	329.0	383.2	434.7	412.8	472.8	511.8	2,544.4
0915	Interdisciplinary Engineering	206.4	223.5	261.9	264.9	271.2	278.3	1,506.3
0999	Other Engineering	263.8	243.1	333.7	284.5	341.7	297.1	1,763.8

Continued

RESEARCH OUTPUTS BY YEAR

FoR Code	FoR Name	2008	2009	2010	2011	2012	2013	Total
10	Technology	1,097.2	1,018.6	1,044.9	1,008.9	1,092.8	1,180.3	6,442.7
1001	Agricultural Biotechnology	52.0	45.0	42.4	64.3	63.8	72.0	339.5
1002	Environmental Biotechnology	58.9	38.9	45.6	57.1	54.3	68.4	323.3
1003	Industrial Biotechnology	41.4	36.4	32.6	38.4	51.3	63.3	263.3
1004	Medical Biotechnology	63.5	82.3	93.2	91.1	102.9	134.1	567.1
1005	Communications Technologies	346.2	292.2	265.8	268.8	334.1	304.2	1,811.4
1006	Computer Hardware	50.8	35.3	47.8	35.7	35.1	40.3	244.9
1007	Nanotechnology	156.2	150.5	168.3	192.8	185.7	197.8	1,051.3
1099	Other Technology	328.2	338.0	349.2	260.6	265.6	300.1	1,841.8
11	Medical and Health Sciences	12,862.2	13,486.1	14,266.3	15,265.9	16,479.2	18,290.7	90,650.5
1101	Medical Biochemistry and Metabolomics	169.6	157.7	160.9	170.8	183.2	185.0	1,027.0
1102	Cardiovascular Medicine and Haematology	477.7	508.2	564.0	709.0	681.8	830.8	3,771.5
1103	Clinical Sciences	3,331.4	3,435.5	3,589.3	3,792.8	4,125.4	4,652.1	22,926.4
1104	Complementary and Alternative Medicine	139.4	123.4	121.7	170.3	208.4	210.5	973.7
1105	Dentistry	266.1	253.4	256.2	236.8	287.2	257.5	1,557.2
1106	Human Movement and Sports Science	757.6	853.2	885.0	859.1	907.6	1,029.9	5,292.5
1107	Immunology	424.3	456.5	422.0	465.7	518.7	514.4	2,801.7
1108	Medical Microbiology	308.7	326.0	326.5	346.3	335.8	361.7	2,004.9
1109	Neurosciences	727.7	813.9	862.2	884.6	934.1	1,099.2	5,321.6
1110	Nursing	713.1	767.4	795.2	834.6	899.0	967.5	4,976.8
1111	Nutrition and Dietetics	189.1	215.1	248.8	267.1	301.4	382.8	1,604.3
1112	Oncology and Carcinogenesis	540.5	587.6	674.9	779.5	869.3	1,014.9	4,466.8
1113	Ophthalmology and Optometry	308.1	364.8	380.7	396.1	409.7	454.2	2,313.6
1114	Paediatrics and Reproductive Medicine	696.8	726.7	724.0	858.7	933.8	1,014.0	4,954.1
1115	Pharmacology and Pharmaceutical Sciences	782.8	753.8	809.0	851.2	918.6	886.1	5,001.5
1116	Medical Physiology	280.3	254.7	260.8	269.1	278.4	292.9	1,636.2
1117	Public Health and Health Services	2,302.5	2,430.2	2,692.5	2,906.2	3,153.6	3,501.2	16,986.2
1199	Other Medical and Health Sciences	446.5	458.0	492.6	468.1	533.1	636.1	3,034.5

Continued

RESEARCH OUTPUTS BY YEAR

FoR Code	FoR Name	2008	2009	2010	2011	2012	2013	Total
12	Built Environment and Design	1,235.3	1,440.7	1,621.7	1,715.2	1,844.2	1,994.5	9,851.7
1201	Architecture	400.8	385.5	442.6	419.7	472.5	507.1	2,628.2
1202	Building	289.2	284.8	342.3	312.6	415.5	405.8	2,050.2
1203	Design Practice and Management	230.0	298.5	307.7	334.9	357.8	349.0	1,877.8
1204	Engineering Design	5.5	15.8	10.3	16.0	19.8	18.0	85.4
1205	Urban and Regional Planning	269.9	401.3	464.0	582.8	520.6	645.6	2,884.2
1299	Other Built Environment and Design	40.0	54.7	55.0	49.2	58.0	69.0	325.8
13	Education	2,996.7	3,154.3	3,341.0	3,240.1	3,658.2	3,877.5	20,267.9
1301	Education Systems	516.9	642.9	636.2	680.1	754.2	821.5	4,051.7
1302	Curriculum and Pedagogy	971.7	1,018.5	1,081.1	1,076.0	1,203.5	1,259.5	6,610.4
1303	Specialist Studies in Education	1,354.6	1,330.8	1,444.1	1,345.8	1,544.5	1,639.3	8,659.2
1399	Other Education	153.5	162.0	179.6	138.2	156.0	157.1	946.5
14	Economics	1,069.5	1,183.0	1,241.5	1,198.1	1,303.9	1,389.5	7,385.5
1401	Economic Theory	120.0	130.6	119.9	116.9	128.0	137.1	752.5
1402	Applied Economics	717.3	821.1	895.3	889.3	959.5	1,029.2	5,311.8
1403	Econometrics	130.1	126.2	102.0	100.1	103.0	121.6	683.0
1499	Other Economics	102.0	105.1	124.2	91.8	113.4	101.7	638.2
15	Commerce, Management, Tourism and Services	3,853.2	3,912.1	3,867.5	3,951.2	3,870.7	3,926.4	23,381.0
1501	Accounting, Auditing and Accountability	426.2	400.2	437.1	454.6	450.5	444.2	2,612.7
1502	Banking, Finance and Investment	380.2	356.4	432.3	414.7	460.4	442.7	2,486.6
1503	Business and Management	1,492.2	1,513.6	1,415.5	1,509.8	1,486.0	1,501.8	8,918.8
1504	Commercial Services	153.0	161.8	143.5	155.3	130.1	165.2	908.9
1505	Marketing	668.2	712.4	654.9	629.3	529.1	565.3	3,759.2
1506	Tourism	401.3	368.3	392.3	418.0	447.5	443.2	2,470.6
1507	Transportation and Freight Services	98.3	86.5	131.4	132.5	129.1	178.7	756.6
1599	Other Commerce, Management, Tourism and Services	233.8	313.0	260.4	237.1	238.0	185.3	1,467.5

Continued

RESEARCH OUTPUTS BY YEAR

FoR Code	FoR Name	2008	2009	2010	2011	2012	2013	Total
16	Studies in Human Society	3,489.9	3,705.4	3,616.0	3,704.8	4,046.8	4,398.4	22,961.4
1601	Anthropology	287.8	287.0	290.6	272.1	305.0	300.7	1,743.2
1602	Criminology	308.2	300.8	318.5	374.5	368.1	456.6	2,126.6
1603	Demography	83.6	86.2	89.2	80.9	86.8	81.9	508.6
1604	Human Geography	267.0	321.3	323.9	325.0	351.9	442.2	2,031.3
1605	Policy and Administration	490.7	518.7	513.9	537.9	496.8	595.4	3,153.5
1606	Political Science	843.0	873.2	822.0	846.8	989.9	902.1	5,276.9
1607	Social Work	287.2	342.5	317.8	335.3	366.4	448.2	2,097.4
1608	Sociology	759.8	807.1	782.1	774.4	910.2	958.1	4,991.6
1699	Other Studies in Human Society	162.7	168.6	158.2	157.8	171.7	213.3	1,032.3
17	Psychology and Cognitive Sciences	2,140.2	2,173.8	2,375.4	2,370.2	2,527.2	2,790.5	14,377.1
1701	Psychology	1,798.7	1,799.5	1,960.6	1,979.8	2,112.0	2,246.0	11,896.6
1702	Cognitive Sciences	201.5	232.1	249.4	238.7	247.3	351.1	1,520.0
1799	Other Psychology and Cognitive Sciences	140.0	142.1	165.3	151.7	168.0	193.4	960.5
18	Law and Legal Studies	1,497.1	1,555.8	1,637.0	1,849.3	1,841.3	1,870.9	10,251.5
1801	Law	1,454.6	1,525.8	1,607.7	1,811.2	1,797.0	1,837.7	10,034.1
1802	Maori Law	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1899	Other Law and Legal Studies	42.5	30.0	29.3	38.2	44.3	33.2	217.4
19	Studies in Creative Arts and Writing	1,764.9	2,036.6	2,093.3	1,889.9	2,105.5	2,405.0	12,295.2
1901	Art Theory and Criticism	166.8	205.4	198.4	187.9	167.0	236.0	1,161.5
1902	Film, Television and Digital Media	337.8	361.3	340.6	311.7	322.4	440.9	2,114.6
1903	Journalism and Professional Writing	102.3	113.0	112.4	89.5	109.9	130.7	657.8
1904	Performing Arts and Creative Writing	660.0	785.6	828.1	769.3	949.5	986.5	4,979.0
1905	Visual Arts and Crafts	463.7	533.5	576.7	487.9	516.2	544.5	3,122.5
1999	Other Studies in Creative Arts and Writing	34.3	37.9	37.2	43.7	40.5	66.4	260.0

Continued

RESEARCH OUTPUTS BY YEAR

FoR Code	FoR Name	2008	2009	2010	2011	2012	2013	Total
20	Language, Communication and Culture	2,106.6	2,175.3	2,271.0	2,156.2	2,288.7	2,398.9	13,396.7
2001	Communication and Media Studies	355.4	381.6	388.1	361.1	439.5	420.3	2,346.1
2002	Cultural Studies	572.3	555.1	600.5	531.0	577.2	645.1	3,481.2
2003	Language Studies	128.9	127.6	137.8	158.5	162.3	121.1	836.2
2004	Linguistics	486.9	479.4	523.9	530.3	529.5	554.7	3,104.7
2005	Literary Studies	497.7	562.1	559.0	520.0	527.3	605.2	3,271.4
2099	Other Language, Communication and Culture	65.3	69.5	61.6	55.4	52.7	52.5	357.0
21	History and Archaeology	1,190.3	1,269.5	1,357.8	1,257.8	1,322.8	1,525.2	7,923.4
2101	Archaeology	265.2	279.1	299.8	279.7	304.2	369.4	1,797.4
2102	Curatorial and Related Studies	56.0	63.1	62.2	66.8	64.1	76.1	388.2
2103	Historical Studies	843.1	901.5	959.0	890.8	940.4	1,041.8	5,576.6
2199	Other History and Archaeology	26.0	25.8	36.8	20.5	14.2	37.9	161.2
22	Philosophy and Religious Studies	948.8	1,091.5	1,078.4	1,059.2	1,167.7	1,272.4	6,618.1
2201	Applied Ethics	160.3	199.5	191.9	188.9	215.5	224.7	1,180.8
2202	History and Philosophy of Specific Fields	147.8	178.6	156.0	155.2	157.6	165.4	960.5
2203	Philosophy	318.2	380.8	366.7	345.8	377.9	415.4	2,204.8
2204	Religion and Religious Studies	300.0	314.8	332.9	340.1	386.4	441.6	2,115.8
2299	Other Philosophy and Religious Studies	22.5	17.8	31.0	29.3	30.3	25.3	156.2
Total*		63,400.0	66,819.0	70,203.0	72,484.0	77,310.0	81,740.0	431,955.9

* 'Total' research outputs by year does not include the total of 'portfolios' since portfolios do not report on year in the submitted data.

HERDC CATEGORY 1 – AUSTRALIAN COMPETITIVE GRANTS RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
01	Mathematical Sciences	1,321,361	18,222,310	31,592,115	37,319,516	38,686,491	107,598,122
0101	Pure Mathematics	2,045,821	9,589,396	9,646,041	14,638,914	14,368,405	38,653,361
0102	Applied Mathematics	853,851	8,076,679	11,266,028	12,098,646	12,679,776	36,044,450
0103	Numerical and Computational Mathematics	117,334	641,990	907,190	781,334	583,225	2,271,749
0104	Statistics	800,798	5,155,186	5,718,542	6,186,947	8,044,920	19,950,409
0105	Mathematical Physics	293,835	2,770,127	3,787,552	3,607,228	3,005,655	10,400,435
0199	Other Mathematical Sciences	138,859	264,055	266,762	6,446	4,510	277,718
02	Physical Sciences	4,205,034	44,907,987	69,010,006	78,489,945	78,727,313	226,227,265
0201	Astronomical and Space Sciences	3,098,073	11,325,315	15,042,695	18,261,492	19,589,730	52,893,917
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	896,303	8,109,093	11,679,794	11,113,524	10,537,267	33,330,585
0203	Classical Physics	110,456	2,679,578	1,638,884	2,003,290	1,597,369	5,239,544
0204	Condensed Matter Physics	1,235,209	8,796,279	9,525,322	11,129,324	11,455,148	32,109,794
0205	Optical Physics	1,409,165	12,987,739	15,648,327	18,684,864	18,317,188	52,650,379
0206	Quantum Physics	2,743,771	11,178,078	12,435,566	13,851,794	13,799,702	40,087,062
0299	Other Physical Sciences	872,178	5,725,969	3,039,418	3,445,657	3,430,908	9,915,984
03	Chemical Sciences	3,634,336	36,298,260	60,243,884	74,264,414	70,311,644	204,819,941
0301	Analytical Chemistry	572,842	6,301,534	8,172,420	6,934,134	6,308,981	21,415,535
0302	Inorganic Chemistry	879,602	4,296,178	6,581,378	7,723,650	7,292,466	21,597,494
0303	Macromolecular and Materials Chemistry	1,005,830	7,665,753	10,328,082	13,339,638	11,941,541	35,609,261
0304	Medicinal and Biomolecular Chemistry	1,177,973	16,923,936	12,542,016	17,652,390	17,431,080	47,625,486
0305	Organic Chemistry	698,490	4,896,386	6,459,399	7,798,827	8,578,099	22,836,326
0306	Physical Chemistry (Incl. Structural)	1,159,108	6,161,828	13,244,086	16,557,040	14,604,500	44,405,627
0307	Theoretical and Computational Chemistry	920,989	3,193,156	2,827,397	3,930,116	3,868,826	10,626,339
0399	Other Chemical Sciences	31,232	561,390	89,105	328,619	286,150	703,874
04	Earth Sciences	3,207,483	26,252,194	48,429,465	54,883,804	59,340,688	162,653,958
0401	Atmospheric Sciences	100,817	8,252,874	7,296,579	6,318,206	6,939,195	20,553,980
0402	Geochemistry	1,600,369	4,277,218	6,513,547	10,267,803	9,600,220	26,381,570
0403	Geology	1,984,969	11,324,215	12,661,895	15,998,474	16,342,693	45,003,062

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 1 – AUSTRALIAN COMPETITIVE GRANTS RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
0404	Geophysics	751,464	3,450,102	3,649,159	3,944,254	4,082,468	11,675,881
0405	Oceanography	302,872	6,396,714	5,663,875	5,198,427	6,590,542	17,452,845
0406	Physical Geography and Environmental Geoscience	1,035,240	9,647,542	12,644,410	13,156,640	15,785,570	41,586,620
0499	Other Earth Sciences	0	0	0	0	0	0
05	Environmental Sciences	2,235,951	19,648,918	51,056,806	51,351,793	52,262,216	154,670,814
0501	Ecological Applications	673,069	5,780,863	8,717,542	11,841,127	11,253,724	31,812,393
0502	Environmental Science and Management	1,816,380	13,687,649	36,795,301	32,811,927	33,271,105	102,878,333
0503	Soil Sciences	692,067	3,989,407	5,434,861	6,424,988	7,663,246	19,523,095
0599	Other Environmental Sciences	133,798	217,383	109,102	273,750	74,141	456,993
06	Biological Sciences	4,458,744	119,906,940	178,204,695	206,740,959	210,809,162	595,754,816
0601	Biochemistry and Cell Biology	1,994,473	53,284,957	70,909,331	77,086,970	74,685,285	222,681,586
0602	Ecology	1,775,973	8,292,271	19,757,104	21,765,458	23,585,366	65,107,929
0603	Evolutionary Biology	1,037,148	6,397,080	9,109,926	14,357,761	14,830,845	38,298,532
0604	Genetics	1,141,212	16,766,505	24,141,759	30,260,161	32,799,111	87,201,030
0605	Microbiology	621,567	8,931,582	14,629,269	16,980,223	16,569,319	48,178,811
0606	Physiology	502,130	5,056,776	5,298,660	5,082,759	4,801,139	15,182,559
0607	Plant Biology	1,512,556	23,546,629	24,885,142	27,011,331	28,922,065	80,818,538
0608	Zoology	698,529	16,842,660	8,717,967	13,655,240	14,267,848	36,641,055
0699	Other Biological Sciences	60,688	780,369	755,536	541,055	348,185	1,644,776
07	Agricultural and Veterinary Sciences	3,838,917	44,118,158	75,952,087	92,242,597	98,482,416	266,677,100
0701	Agriculture, Land and Farm Management	410,220	8,232,393	7,391,109	5,660,277	9,069,965	22,121,351
0702	Animal Production	1,572,112	9,967,291	11,180,428	14,165,046	15,917,830	41,263,305
0703	Crop and Pasture Production	4,269,462	28,267,876	33,610,631	48,833,495	43,498,583	125,942,710
0704	Fisheries Sciences	464,380	7,788,572	5,672,239	5,776,705	8,815,530	20,264,474
0705	Forestry Sciences	493,731	3,657,945	4,327,770	4,705,283	5,299,169	14,332,221
0706	Horticultural Production	145,624	6,314,257	6,615,505	5,133,059	8,619,381	20,367,945
0707	Veterinary Sciences	121,577	6,735,161	6,904,357	7,524,532	6,913,721	21,342,610
0799	Other Agricultural and Veterinary Sciences	168,839	844,574	250,048	444,201	348,236	1,042,484

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 1 – AUSTRALIAN COMPETITIVE GRANTS RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
08	Information and Computing Sciences	2,023,588	12,286,984	30,909,182	32,885,966	36,149,588	99,944,736
0801	Artificial Intelligence and Image Processing	948,422	5,842,402	13,342,307	15,866,168	17,032,814	46,241,289
0802	Computation Theory and Mathematics	587,843	1,944,448	2,482,417	2,780,683	2,963,233	8,226,333
0803	Computer Software	497,632	1,920,891	3,430,259	2,708,493	3,158,930	9,297,681
0804	Data Format	98,297	543,132	475,755	583,567	760,024	1,819,345
0805	Distributed Computing	522,407	2,731,532	3,146,076	2,992,374	2,793,255	8,931,705
0806	Information Systems	488,497	4,290,466	7,646,369	7,516,180	8,556,630	23,719,180
0807	Library and Information Studies	80,391	396,535	379,715	432,041	868,659	1,680,415
0899	Other Information and Computing Sciences	14,394	16,099	6,283	6,460	16,044	28,787
09	Engineering	4,459,671	67,001,300	127,094,974	143,962,960	153,801,246	424,859,179
0901	Aerospace Engineering	233,669	1,102,623	804,533	738,298	700,108	2,242,939
0902	Automotive Engineering	60,760	140,219	167,099	86,924	77,346	331,369
0903	Biomedical Engineering	499,562	12,177,254	13,132,725	14,066,520	10,433,018	37,632,263
0904	Chemical Engineering	1,046,477	13,086,861	14,558,196	17,589,579	19,283,703	51,431,477
0905	Civil Engineering	1,230,286	13,541,190	19,413,417	20,952,791	24,729,837	65,096,045
0906	Electrical and Electronic Engineering	1,598,453	14,801,764	22,705,833	25,565,634	28,745,755	77,017,222
0907	Environmental Engineering	458,194	4,403,141	3,748,649	3,947,253	7,037,936	14,733,838
0908	Food Sciences	313,893	7,428,595	3,955,248	3,761,003	5,924,485	13,640,736
0909	Geomatic Engineering	193,776	2,107,916	1,702,145	1,950,525	1,826,410	5,479,081
0910	Manufacturing Engineering	253,416	2,371,467	2,821,675	2,474,638	2,610,530	7,906,843
0911	Maritime Engineering	70,645	1,255,580	856,205	694,069	557,336	2,107,610
0912	Materials Engineering	1,096,613	11,141,006	21,422,745	25,543,150	26,680,952	73,646,847
0913	Mechanical Engineering	1,199,246	5,256,544	8,141,373	11,386,797	12,692,167	32,220,337
0914	Resources Engineering and Extractive Metallurgy	369,602	7,974,405	11,279,509	12,894,270	10,373,704	34,547,483
0915	Interdisciplinary Engineering	181,671	2,994,399	2,231,802	2,271,963	2,062,449	6,566,214
0999	Other Engineering	22,622	204,116	153,820	39,547	65,509	258,876

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 1 – AUSTRALIAN COMPETITIVE GRANTS RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
10	Technology	203,071	12,204,832	17,356,735	17,533,025	17,702,629	52,592,388
1001	Agricultural Biotechnology	80,521	1,944,662	888,092	571,208	1,507,614	2,966,914
1002	Environmental Biotechnology	129,241	3,055,816	1,080,385	1,189,275	1,240,022	3,509,682
1003	Industrial Biotechnology	45,822	5,330,979	1,830,614	2,173,812	1,630,261	5,634,688
1004	Medical Biotechnology	436,477	2,953,878	2,836,099	1,936,051	1,983,173	6,755,324
1005	Communications Technologies	122,921	4,917,974	4,656,460	4,358,282	3,848,602	12,863,344
1006	Computer Hardware	25,085	196,170	88,810	75,267	92,110	256,187
1007	Nanotechnology	591,986	4,824,396	5,675,068	7,194,676	7,367,808	20,237,551
1099	Other Technology	58,428	251,695	301,206	34,455	33,039	368,699
11	Medical and Health Sciences	8,840,795	325,144,671	567,114,309	593,217,280	625,601,316	1,785,932,905
1101	Medical Biochemistry and Metabolomics	1,115,832	9,473,194	7,418,747	6,954,150	6,277,814	20,650,711
1102	Cardiovascular Medicine and Haematology	902,904	40,012,583	41,905,160	42,844,309	44,402,855	129,152,324
1103	Clinical Sciences	2,769,865	57,017,246	109,170,590	107,312,888	107,061,455	323,544,934
1104	Complementary and Alternative Medicine	105,871	685,827	1,157,632	743,482	158,452	2,059,566
1105	Dentistry	527,318	9,727,946	5,109,657	5,376,387	5,847,735	16,333,780
1106	Human Movement and Sports Science	801,038	5,028,011	8,113,311	7,452,660	8,945,270	24,511,241
1107	Immunology	959,616	44,336,843	47,578,607	52,581,387	50,166,259	150,326,252
1108	Medical Microbiology	2,218,617	20,558,946	23,920,504	27,154,573	30,520,558	81,595,635
1109	Neurosciences	3,170,507	81,698,406	71,396,202	76,546,151	80,895,472	228,837,826
1110	Nursing	573,899	2,835,614	5,280,782	4,929,236	5,504,631	15,714,650
1111	Nutrition and Dietetics	554,140	9,728,750	7,843,433	8,300,725	9,747,300	25,891,458
1112	Oncology and Carcinogenesis	2,799,732	38,895,178	51,986,846	53,762,128	58,625,821	164,374,795
1113	Ophthalmology and Optometry	1,749,072	7,102,786	7,553,374	10,301,572	9,453,702	27,308,648
1114	Paediatrics and Reproductive Medicine	1,126,632	32,140,087	29,722,013	31,591,220	34,042,968	95,356,200
1115	Pharmacology and Pharmaceutical Sciences	1,190,776	22,044,655	22,091,727	25,634,147	26,229,755	73,955,629
1116	Medical Physiology	1,521,853	7,542,988	9,981,524	12,577,468	12,029,243	34,588,234
1117	Public Health and Health Services	3,881,219	57,586,797	114,068,265	115,163,224	133,464,533	362,696,022
1199	Other Medical and Health Sciences	357,987	3,272,205	2,815,934	3,991,572	2,227,493	9,034,999

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 1 – AUSTRALIAN COMPETITIVE GRANTS RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
12	Built Environment and Design	547,257	4,001,993	9,154,872	9,677,208	8,766,229	27,598,309
1201	Architecture	369,922	1,688,135	3,205,942	2,911,340	2,583,754	8,701,036
1202	Building	98,000	731,742	812,344	727,026	924,162	2,463,533
1203	Design Practice and Management	114,201	721,718	662,112	523,191	683,610	1,868,913
1204	Engineering Design	63,407	79,625	73,582	80,780	2,607	156,969
1205	Urban and Regional Planning	399,295	2,618,370	4,227,364	5,302,107	4,525,663	14,055,134
1299	Other Built Environment and Design	96,426	187,312	173,528	132,764	46,432	352,725
13	Education	974,577	7,416,953	16,185,865	22,235,501	24,603,399	63,024,765
1301	Education Systems	253,641	1,973,866	3,334,984	5,196,748	4,951,382	13,483,113
1302	Curriculum and Pedagogy	367,687	2,497,276	5,640,548	7,598,433	7,263,434	20,502,415
1303	Specialist Studies in Education	404,763	4,529,504	7,204,553	9,389,840	12,210,890	28,805,283
1399	Other Education	116,976	183,953	5,781	50,480	177,692	233,953
14	Economics	937,636	11,886,349	24,600,729	27,679,730	25,845,087	78,125,547
1401	Economic Theory	334,382	2,004,129	1,579,239	1,546,796	1,477,418	4,603,453
1402	Applied Economics	931,768	10,238,044	19,257,773	22,134,964	20,710,804	62,103,541
1403	Econometrics	341,246	3,062,715	3,436,836	3,554,489	3,174,148	10,165,474
1499	Other Economics	626,540	1,248,216	326,881	443,481	482,717	1,253,079
15	Commerce, Management, Tourism and Services	578,355	11,056,271	11,619,149	18,930,084	18,717,733	49,266,967
1501	Accounting, Auditing and Accountability	171,446	1,366,158	1,150,704	1,472,506	2,071,292	4,694,502
1502	Banking, Finance and Investment	229,198	7,992,566	1,814,296	6,627,508	4,748,836	13,190,640
1503	Business and Management	333,171	3,119,429	6,314,374	7,718,954	7,263,700	21,297,027
1504	Commercial Services	37,367	316,834	196,666	261,358	97,622	555,646
1505	Marketing	210,644	970,519	1,533,712	1,457,035	2,915,695	5,906,442
1506	Tourism	193,263	1,072,712	590,452	1,304,913	1,532,673	3,428,039
1507	Transportation and Freight Services	94,989	176,611	18,945	83,531	87,503	189,979
1599	Other Commerce, Management, Tourism and Services	4,692	4,692	0	4,280	412	4,692

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 1 – AUSTRALIAN COMPETITIVE GRANTS RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
16	Studies in Human Society	2,091,206	25,341,164	46,359,427	50,990,575	55,706,672	153,056,674
1601	Anthropology	526,733	4,488,901	3,183,092	5,071,170	5,878,660	14,132,922
1602	Criminology	230,195	3,315,547	3,981,415	3,812,793	3,958,935	11,753,143
1603	Demography	48,617	2,912,780	1,695,383	1,388,321	1,609,696	4,693,401
1604	Human Geography	544,795	3,887,867	6,242,699	7,076,871	6,165,764	19,485,335
1605	Policy and Administration	565,666	3,994,054	7,668,563	5,934,000	5,736,223	19,338,786
1606	Political Science	314,444	7,886,083	7,872,010	10,885,161	13,336,820	32,093,990
1607	Social Work	268,549	1,932,419	2,559,116	1,902,481	2,441,074	6,902,671
1608	Sociology	647,699	10,001,782	12,095,604	13,915,728	15,269,250	41,280,583
1699	Other Studies in Human Society	258,494	1,352,312	1,061,544	1,004,049	1,310,251	3,375,844
17	Psychology and Cognitive Sciences	2,375,395	22,652,817	41,839,314	48,504,093	55,631,775	145,975,181
1701	Psychology	2,522,348	21,834,589	40,675,319	46,555,935	52,772,880	140,004,134
1702	Cognitive Sciences	414,743	1,008,510	1,083,807	1,522,649	2,246,046	4,852,502
1799	Other Psychology and Cognitive Sciences	109,362	894,430	80,188	425,508	612,849	1,118,545
18	Law and Legal Studies	478,835	9,538,893	11,894,395	16,211,078	15,367,109	43,472,582
1801	Law	478,835	9,538,893	11,894,395	16,211,078	15,367,109	43,472,582
1802	Maori Law	0	0	0	0	0	0
1899	Other Law and Legal Studies	0	0	0	0	0	0
19	Studies in Creative Arts and Writing	215,969	4,331,685	6,636,297	8,082,894	8,340,317	23,059,508
1901	Art Theory and Criticism	627,810	1,415,290	1,185,432	1,490,315	1,347,077	4,022,824
1902	Film, Television and Digital Media	135,308	1,523,182	1,100,177	1,293,375	1,311,610	3,705,162
1903	Journalism and Professional Writing	92,033	171,683	328,821	247,400	233,239	809,461
1904	Performing Arts and Creative Writing	142,158	1,962,347	3,323,239	4,113,492	4,514,937	11,951,669
1905	Visual Arts and Crafts	74,099	756,673	619,901	845,105	813,967	2,278,973
1999	Other Studies in Creative Arts and Writing	145,710	251,425	78,726	93,207	119,487	291,419

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 1 – AUSTRALIAN COMPETITIVE GRANTS RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
20	Language, Communication and Culture	1,033,034	6,916,472	15,895,079	17,725,376	21,703,440	55,323,895
2001	Communication and Media Studies	371,270	2,793,447	3,575,137	3,887,362	4,387,208	11,849,708
2002	Cultural Studies	304,788	3,010,531	3,661,936	3,978,623	5,418,295	13,058,854
2003	Language Studies	52,237	677,322	363,585	516,015	593,489	1,473,089
2004	Linguistics	345,402	2,212,521	3,552,727	4,092,351	5,528,921	13,173,998
2005	Literary Studies	269,496	3,123,862	4,652,997	5,181,409	5,607,140	15,441,545
2099	Other Language, Communication and Culture	51,336	221,749	88,699	69,615	168,388	326,702
21	History and Archaeology	1,028,188	15,698,338	19,694,723	25,015,732	27,261,924	71,972,379
2101	Archaeology	813,448	7,662,572	6,514,846	8,324,834	8,425,825	23,265,506
2102	Curatorial and Related Studies	73,796	1,578,372	1,032,918	830,817	796,936	2,660,670
2103	Historical Studies	873,200	8,078,824	12,146,578	15,860,081	18,039,162	46,045,822
2199	Other History and Archaeology	381	381	381	0	0	381
22	Philosophy and Religious Studies	591,727	7,934,811	8,530,587	9,757,060	10,176,060	28,463,708
2201	Applied Ethics	520,166	1,297,122	1,092,310	1,848,970	2,339,247	5,280,527
2202	History and Philosophy of Specific Fields	337,734	4,930,030	2,617,354	2,975,541	2,624,797	8,217,692
2203	Philosophy	399,797	3,355,653	4,223,326	4,199,401	4,564,272	12,986,998
2204	Religion and Religious Studies	231,146	461,147	597,598	733,148	647,744	1,978,490
2299	Other Philosophy and Religious Studies	0	0	0	0	0	0
Total				1,469,374,694	1,637,701,590	1,713,994,454	4,821,070,738

* Median and maximum income is based on total research income over the three year period.

HERDC CATEGORY 2 – OTHER PUBLIC SECTOR RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
01	Mathematical Sciences	300,749	5,475,450	6,533,133	7,430,941	8,752,693	22,716,768
0101	Pure Mathematics	16,137	1,536,022	534,061	567,563	699,782	1,801,406
0102	Applied Mathematics	228,189	2,879,857	3,167,145	4,230,627	4,344,058	11,741,830
0103	Numerical and Computational Mathematics	21,954	518,919	504,960	195,301	235,634	935,895
0104	Statistics	214,353	1,610,855	1,825,497	1,904,071	2,718,721	6,448,289
0105	Mathematical Physics	62,240	1,497,245	447,154	487,013	694,659	1,628,826
0199	Other Mathematical Sciences	6,697	150,045	54,317	46,367	59,839	160,523
02	Physical Sciences	588,865	34,193,844	29,669,253	24,924,241	27,456,733	82,050,227
0201	Astronomical and Space Sciences	328,754	8,993,674	11,011,262	8,587,011	6,706,297	26,304,570
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	164,557	4,835,663	1,633,935	1,555,944	2,221,954	5,411,834
0203	Classical Physics	449,557	863,508	779,803	554,041	493,037	1,826,881
0204	Condensed Matter Physics	252,542	5,984,949	5,768,915	4,983,705	8,551,939	19,304,559
0205	Optical Physics	273,243	5,497,556	3,978,897	4,084,099	4,002,757	12,065,753
0206	Quantum Physics	227,107	9,567,390	5,687,264	4,040,816	4,020,069	13,748,149
0299	Other Physical Sciences	191,904	1,819,394	809,175	1,118,626	1,460,681	3,388,481
03	Chemical Sciences	785,800	12,758,984	20,284,246	18,793,693	18,698,907	57,776,847
0301	Analytical Chemistry	282,629	2,330,758	3,733,334	3,631,938	3,000,504	10,365,776
0302	Inorganic Chemistry	35,404	3,511,949	1,795,846	1,682,377	1,979,315	5,457,538
0303	Macromolecular and Materials Chemistry	333,617	3,375,099	3,684,698	3,146,027	2,340,968	9,171,693
0304	Medicinal and Biomolecular Chemistry	189,394	2,174,516	1,989,634	2,912,723	2,106,195	7,008,551
0305	Organic Chemistry	97,276	3,261,963	3,790,452	2,573,194	2,989,621	9,353,267
0306	Physical Chemistry (Incl. Structural)	358,269	2,535,299	4,343,768	3,872,987	5,114,662	13,331,418
0307	Theoretical and Computational Chemistry	180,113	1,467,236	582,026	573,054	710,054	1,865,134
0399	Other Chemical Sciences	117,529	428,892	364,488	401,393	457,587	1,223,469
04	Earth Sciences	1,444,663	26,953,066	36,481,672	34,356,586	34,650,294	105,518,553
0401	Atmospheric Sciences	93,204	3,078,945	3,326,545	2,713,950	2,690,334	8,730,828
0402	Geochemistry	316,590	2,937,001	2,714,075	2,250,623	2,394,177	7,358,875
0403	Geology	477,124	5,616,334	7,887,414	7,921,703	8,212,783	24,021,900

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 2 – OTHER PUBLIC SECTOR RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
0404	Geophysics	108,924	7,181,180	3,787,659	3,209,506	4,181,819	11,178,983
0405	Oceanography	148,057	6,379,665	4,308,793	5,985,107	8,054,705	18,348,605
0406	Physical Geography and Environmental Geoscience	901,914	6,664,538	14,341,354	12,064,587	8,935,612	35,341,554
0499	Other Earth Sciences	25,284	510,671	115,833	241,110	180,864	537,807
05	Environmental Sciences	1,780,013	32,829,469	51,259,149	44,918,024	43,309,747	139,486,920
0501	Ecological Applications	252,637	4,513,093	5,653,509	5,267,494	6,084,950	17,005,953
0502	Environmental Science and Management	1,756,483	27,384,283	41,724,508	36,243,753	32,785,742	110,754,003
0503	Soil Sciences	289,448	1,276,976	2,648,766	2,367,684	3,582,088	8,598,538
0599	Other Environmental Sciences	41,226	2,937,461	1,232,366	1,039,093	856,967	3,128,425
06	Biological Sciences	2,023,404	35,537,817	63,525,159	57,746,882	59,122,432	180,394,473
0601	Biochemistry and Cell Biology	431,940	21,849,249	18,240,538	14,513,313	16,861,360	49,615,211
0602	Ecology	1,036,671	11,417,590	18,363,796	18,397,942	14,209,978	50,971,716
0603	Evolutionary Biology	144,555	2,527,162	3,155,420	2,807,991	4,022,870	9,986,281
0604	Genetics	360,222	7,505,692	6,858,062	6,678,754	6,647,470	20,184,286
0605	Microbiology	206,143	1,840,400	3,729,419	3,369,548	3,572,990	10,671,957
0606	Physiology	42,036	586,472	910,254	573,762	726,270	2,210,286
0607	Plant Biology	245,878	6,224,883	7,082,006	6,768,415	7,456,702	21,307,123
0608	Zoology	279,180	2,469,419	4,906,501	4,291,466	5,393,805	14,591,771
0699	Other Biological Sciences	22,194	409,995	279,164	345,692	230,986	855,842
07	Agricultural and Veterinary Sciences	1,478,592	35,262,726	38,354,655	42,866,415	42,242,298	123,463,369
0701	Agriculture, Land and Farm Management	379,002	5,169,017	5,500,503	4,408,410	5,331,883	15,240,796
0702	Animal Production	410,042	4,695,268	4,193,749	5,466,599	8,478,132	18,138,480
0703	Crop and Pasture Production	602,414	9,845,596	11,461,356	11,400,077	13,363,202	36,224,635
0704	Fisheries Sciences	178,021	14,530,871	7,809,809	7,901,795	5,821,664	21,533,268
0705	Forestry Sciences	321,829	3,193,385	4,287,325	7,135,204	3,392,885	14,815,414
0706	Horticultural Production	79,711	5,129,474	2,931,881	3,195,388	3,139,870	9,267,139
0707	Veterinary Sciences	355,099	3,102,065	1,983,072	3,303,446	2,688,027	7,974,544
0799	Other Agricultural and Veterinary Sciences	39,253	130,431	186,961	55,497	26,635	269,092

* Median and maximum income is based on total research income over the three year period.

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HERDC CATEGORY 2 – OTHER PUBLIC SECTOR RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
08	Information and Computing Sciences	931,951	18,850,777	22,912,642	30,708,915	24,227,854	77,849,411
0801	Artificial Intelligence and Image Processing	444,319	10,864,088	8,137,493	12,056,447	10,856,696	31,050,636
0802	Computation Theory and Mathematics	74,150	1,478,932	758,823	977,225	866,784	2,602,832
0803	Computer Software	192,571	3,262,464	3,297,797	4,809,870	3,688,957	11,796,623
0804	Data Format	167,866	412,448	489,884	99,779	178,523	768,186
0805	Distributed Computing	71,899	2,253,031	2,774,404	3,429,202	1,853,907	8,057,513
0806	Information Systems	281,475	3,433,791	6,398,114	8,682,650	5,562,344	20,643,108
0807	Library and Information Studies	75,024	774,009	871,846	506,108	815,793	2,193,747
0899	Other Information and Computing Sciences	70,085	581,778	184,280	147,635	404,851	736,766
09	Engineering	2,826,584	50,768,333	93,035,898	76,426,500	73,571,103	243,033,500
0901	Aerospace Engineering	256,046	1,894,101	679,261	1,278,108	902,288	2,859,657
0902	Automotive Engineering	120,036	352,589	213,285	126,914	134,589	474,787
0903	Biomedical Engineering	391,458	3,870,283	3,396,913	4,503,548	3,419,202	11,319,663
0904	Chemical Engineering	292,618	4,193,859	8,140,619	4,401,319	4,682,546	17,224,485
0905	Civil Engineering	596,616	15,491,818	21,633,915	16,520,319	14,253,427	52,407,661
0906	Electrical and Electronic Engineering	592,894	13,851,893	23,864,094	20,705,297	16,271,784	60,841,175
0907	Environmental Engineering	217,207	2,694,773	2,985,891	2,655,574	2,963,532	8,604,996
0908	Food Sciences	70,965	4,548,110	3,558,548	3,453,191	3,553,086	10,564,825
0909	Geomatic Engineering	644,330	4,018,272	2,374,558	2,327,290	1,758,249	6,460,096
0910	Manufacturing Engineering	137,671	6,513,453	3,581,371	3,706,259	2,743,221	10,030,851
0911	Maritime Engineering	65,793	2,461,195	702,587	223,987	1,863,537	2,790,112
0912	Materials Engineering	657,635	3,335,903	5,593,397	7,333,315	9,438,392	22,365,104
0913	Mechanical Engineering	403,240	4,861,444	10,397,211	6,996,035	7,703,984	25,097,230
0914	Resources Engineering and Extractive Metallurgy	695,661	2,169,036	5,359,116	1,752,146	3,359,938	10,471,200
0915	Interdisciplinary Engineering	64,550	458,901	238,409	386,690	487,424	1,112,523
0999	Other Engineering	63,740	281,654	316,725	56,507	35,903	409,134

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HERDC CATEGORY 2 – OTHER PUBLIC SECTOR RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
10	Technology	243,676	13,602,654	10,045,583	8,823,935	10,574,480	29,443,998
1001	Agricultural Biotechnology	189,303	2,212,254	500,494	287,297	1,808,558	2,596,349
1002	Environmental Biotechnology	42,579	571,931	509,924	245,520	279,787	1,035,231
1003	Industrial Biotechnology	56,760	4,336,333	1,437,268	1,901,866	1,262,157	4,601,291
1004	Medical Biotechnology	171,097	789,108	1,499,599	462,014	727,146	2,688,759
1005	Communications Technologies	84,685	10,340,692	4,133,825	3,676,384	4,024,052	11,834,260
1006	Computer Hardware	1,670,743	3,261,963	1,126,784	1,072,758	1,141,944	3,341,487
1007	Nanotechnology	179,696	914,755	837,689	1,162,957	1,282,381	3,283,028
1099	Other Technology	26,254	35,013	0	15,139	48,454	63,593
11	Medical and Health Sciences	9,464,336	123,339,343	309,571,354	339,413,486	319,467,760	968,452,600
1101	Medical Biochemistry and Metabolomics	111,748	1,149,705	1,215,277	993,448	1,286,659	3,495,384
1102	Cardiovascular Medicine and Haematology	764,121	5,947,106	11,103,838	10,384,627	8,968,838	30,457,304
1103	Clinical Sciences	1,309,351	28,506,936	53,611,816	57,742,511	55,157,741	166,512,068
1104	Complementary and Alternative Medicine	27,378	322,543	242,297	179,503	235,351	657,151
1105	Dentistry	251,569	3,749,652	2,389,581	3,232,896	2,531,288	8,153,765
1106	Human Movement and Sports Science	283,697	2,241,649	4,762,346	6,747,602	5,202,616	16,712,564
1107	Immunology	552,159	8,257,184	8,545,350	9,384,065	11,166,218	29,095,634
1108	Medical Microbiology	248,881	4,595,261	5,042,503	4,004,168	2,992,284	12,038,955
1109	Neurosciences	418,827	10,489,958	19,171,940	16,834,672	16,511,566	52,518,177
1110	Nursing	1,066,849	9,232,845	14,877,525	19,473,778	21,355,356	55,706,658
1111	Nutrition and Dietetics	428,892	3,365,819	3,635,972	6,136,756	6,383,760	16,156,489
1112	Oncology and Carcinogenesis	1,569,274	25,835,307	28,020,275	30,556,420	29,241,600	87,818,295
1113	Ophthalmology and Optometry	558,511	1,557,263	2,038,472	2,124,286	1,461,878	5,624,636
1114	Paediatrics and Reproductive Medicine	1,160,371	6,068,539	10,803,098	11,973,619	9,936,705	32,713,423
1115	Pharmacology and Pharmaceutical Sciences	460,370	6,131,222	7,229,563	9,190,719	10,538,000	26,958,282
1116	Medical Physiology	264,945	3,345,224	2,162,027	3,220,502	2,682,777	8,065,307
1117	Public Health and Health Services	4,609,989	44,876,657	128,010,259	137,010,419	124,817,265	389,837,943
1199	Other Medical and Health Sciences	164,460	12,977,750	6,709,214	10,223,497	8,997,856	25,930,566

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HERDC CATEGORY 2 – OTHER PUBLIC SECTOR RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
12	Built Environment and Design	492,320	6,615,462	11,421,322	11,191,875	14,156,109	36,769,305
1201	Architecture	259,401	2,281,256	2,083,238	2,547,696	2,430,875	7,061,810
1202	Building	249,103	1,798,066	1,384,973	1,315,485	1,458,132	4,158,590
1203	Design Practice and Management	170,090	1,086,716	1,015,749	784,124	1,311,279	3,111,153
1204	Engineering Design	29,119	279,123	70,972	235,260	230,850	537,081
1205	Urban and Regional Planning	437,868	3,871,355	6,713,094	6,276,126	8,724,972	21,714,192
1299	Other Built Environment and Design	49,553	87,375	153,296	33,184	0	186,480
13	Education	1,391,985	23,299,555	36,611,863	34,278,857	31,129,477	102,020,197
1301	Education Systems	289,886	8,577,474	8,459,937	7,008,920	6,623,687	22,092,544
1302	Curriculum and Pedagogy	596,061	6,282,237	10,782,434	10,235,697	9,988,646	31,006,776
1303	Specialist Studies In Education	656,932	8,439,844	17,144,943	16,948,476	14,337,835	48,431,254
1399	Other Education	46,972	291,487	224,551	85,764	179,308	489,622
14	Economics	389,161	7,397,308	15,027,922	14,176,880	16,472,905	45,677,708
1401	Economic Theory	20,673	608,946	216,287	380,962	352,649	949,897
1402	Applied Economics	336,948	5,783,583	13,845,888	12,949,783	15,084,436	41,880,107
1403	Econometrics	65,633	775,170	589,605	604,387	676,847	1,870,840
1499	Other Economics	223,683	524,806	376,142	241,749	358,974	976,864
15	Commerce, Management, Tourism and Services	424,416	9,797,711	13,553,502	16,379,149	17,316,320	47,248,971
1501	Accounting, Auditing and Accountability	23,069	1,197,135	1,051,821	1,239,991	1,239,544	3,531,356
1502	Banking, Finance and Investment	46,138	2,895,413	1,139,221	1,674,052	2,941,718	5,754,990
1503	Business and Management	349,456	5,639,281	7,342,379	9,584,086	9,560,854	26,487,319
1504	Commercial Services	49,064	703,382	442,809	625,054	468,530	1,536,393
1505	Marketing	91,540	638,955	1,392,643	1,247,878	1,351,622	3,992,143
1506	Tourism	125,374	1,174,253	1,815,005	1,598,621	1,425,920	4,839,546
1507	Transportation and Freight Services	59,525	180,053	197,262	193,084	71,806	462,152
1599	Other Commerce, Management, Tourism and Services	118,155	394,703	172,362	216,384	256,325	645,071

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HERDC CATEGORY 2 – OTHER PUBLIC SECTOR RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
16	Studies in Human Society	970,807	54,854,098	45,399,874	52,320,399	64,568,268	162,288,540
1601	Anthropology	33,024	3,741,219	1,678,177	1,841,603	2,284,922	5,804,702
1602	Criminology	81,679	2,772,509	2,220,038	2,003,609	3,213,582	7,437,229
1603	Demography	41,915	6,930,940	2,185,299	3,820,560	3,482,688	9,488,547
1604	Human Geography	133,653	2,235,451	2,229,423	3,375,171	2,717,820	8,322,414
1605	Policy and Administration	249,908	16,617,500	13,530,524	12,666,357	21,680,729	47,877,610
1606	Political Science	305,517	16,627,915	6,426,183	6,553,347	12,797,584	25,777,113
1607	Social Work	185,344	3,909,555	5,335,990	7,199,309	4,887,215	17,422,514
1608	Sociology	441,103	7,534,952	9,082,289	12,761,236	11,689,306	33,532,831
1699	Other Studies in Human Society	62,518	5,310,192	2,711,951	2,099,208	1,814,422	6,625,580
17	Psychology and Cognitive Sciences	927,022	11,386,753	23,857,514	24,431,276	22,696,163	70,984,953
1701	Psychology	981,775	11,386,753	22,537,930	22,366,957	20,860,028	65,764,915
1702	Cognitive Sciences	83,140	1,443,279	915,591	908,297	1,111,683	2,935,571
1799	Other Psychology and Cognitive Sciences	763,600	815,284	403,994	1,156,022	724,452	2,284,467
18	Law and Legal Studies	274,569	4,407,249	6,176,194	6,607,373	6,614,262	19,397,830
1801	Law	274,569	4,407,249	6,139,414	6,548,980	6,586,476	19,274,870
1802	Maori Law	0	0	0	0	0	0
1899	Other Law and Legal Studies	61,480	114,467	36,780	58,393	27,786	122,960
19	Studies in Creative Arts and Writing	93,352	1,896,975	2,540,864	2,156,443	2,370,612	7,067,919
1901	Art Theory and Criticism	46,574	454,844	315,860	320,507	245,965	882,331
1902	Film, Television and Digital Media	56,008	280,540	607,251	391,509	451,254	1,450,013
1903	Journalism and Professional Writing	67,287	153,421	102,097	74,010	139,515	315,622
1904	Performing Arts and Creative Writing	42,491	527,687	867,655	719,675	727,752	2,315,082
1905	Visual Arts and Crafts	61,913	880,378	645,591	643,759	775,382	2,064,732
1999	Other Studies in Creative Arts and Writing	7,453	28,814	2,410	6,984	30,745	40,139

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HERDC CATEGORY 2 – OTHER PUBLIC SECTOR RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
20	Language, Communication and Culture	157,905	6,230,396	6,705,492	6,613,561	9,857,384	23,176,437
2001	Communication and Media Studies	37,235	673,419	433,107	814,047	899,679	2,146,834
2002	Cultural Studies	36,857	5,210,166	2,767,252	1,469,631	4,196,885	8,433,768
2003	Language Studies	178,082	887,794	602,596	494,783	657,026	1,754,405
2004	Linguistics	99,420	2,377,334	2,011,478	2,939,390	2,878,043	7,828,910
2005	Literary Studies	62,776	1,116,627	790,621	809,170	1,113,079	2,712,870
2099	Other Language, Communication and Culture	149,826	210,062	100,438	86,541	112,672	299,651
21	History and Archaeology	108,068	10,948,551	7,468,310	6,725,756	8,014,189	22,208,255
2101	Archaeology	56,463	4,420,109	1,774,799	1,932,962	2,187,246	5,895,006
2102	Curatorial and Related Studies	14,272	766,926	619,247	384,872	464,347	1,468,465
2103	Historical Studies	60,780	5,683,457	4,982,964	4,380,102	5,338,662	14,701,727
2199	Other History and Archaeology	71,528	78,059	91,301	27,820	23,935	143,056
22	Philosophy and Religious Studies	77,067	2,376,271	1,638,202	2,132,523	1,305,671	5,076,395
2201	Applied Ethics	192,464	610,766	639,337	762,243	62,605	1,464,184
2202	History and Philosophy of Specific Fields	20,649	180,053	63,079	93,768	74,551	231,398
2203	Philosophy	32,079	1,956,146	668,454	752,569	856,355	2,277,377
2204	Religion and Religious Studies	28,879	759,894	267,332	523,943	312,161	1,103,436
2299	Other Philosophy and Religious Studies	0	0	0	0	0	0
Total				852,073,804	863,453,712	856,575,659	2,572,103,175

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HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
01	Mathematical Sciences	331,186	2,766,592	5,208,299	6,501,745	6,094,906	17,804,950
0101	Pure Mathematics	31,254	1,705,900	698,948	857,460	953,464	2,509,872
0102	Applied Mathematics	236,472	1,693,426	2,419,907	2,689,212	2,581,440	7,690,559
0103	Numerical and Computational Mathematics	55,141	963,779	584,552	494,324	356,212	1,435,087
0104	Statistics	206,766	1,641,390	1,351,941	2,385,589	2,115,291	5,852,821
0105	Mathematical Physics	17,598	95,355	107,648	74,298	86,347	268,293
0199	Other Mathematical Sciences	24,159	42,163	45,303	863	2,152	48,318
02	Physical Sciences	948,777	12,625,088	12,949,181	14,555,802	15,431,489	42,936,471
0201	Astronomical and Space Sciences	113,641	5,240,851	2,163,983	2,764,057	2,100,793	7,028,833
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	82,399	619,255	679,590	510,724	833,367	2,023,680
0203	Classical Physics	127,532	2,390,421	1,429,262	1,354,425	873,625	3,657,313
0204	Condensed Matter Physics	192,537	5,984,401	2,238,486	3,705,056	5,502,936	11,446,478
0205	Optical Physics	291,507	1,247,704	3,025,948	2,684,733	2,185,639	7,896,321
0206	Quantum Physics	303,902	2,218,334	1,393,894	1,481,904	2,498,992	5,374,790
0299	Other Physical Sciences	497,515	2,452,514	2,018,016	2,054,902	1,436,138	5,509,057
03	Chemical Sciences	716,099	7,356,084	19,692,168	21,105,840	18,307,768	59,105,777
0301	Analytical Chemistry	328,454	2,144,375	2,968,977	3,483,684	3,038,121	9,490,783
0302	Inorganic Chemistry	78,243	1,069,754	1,096,544	1,257,294	985,330	3,339,168
0303	Macromolecular and Materials Chemistry	196,076	1,860,904	2,493,116	3,303,954	2,305,582	8,102,652
0304	Medicinal and Biomolecular Chemistry	546,320	5,648,265	5,984,285	6,585,058	4,300,153	16,869,496
0305	Organic Chemistry	99,636	1,120,029	2,034,055	1,907,854	837,324	4,779,233
0306	Physical Chemistry (Incl. Structural)	308,234	2,147,065	4,031,314	3,552,036	5,834,973	13,418,323
0307	Theoretical and Computational Chemistry	90,173	2,273,504	1,073,100	821,796	975,370	2,870,266
0399	Other Chemical Sciences	19,186	153,714	10,777	194,163	30,915	235,855
04	Earth Sciences	667,880	21,972,681	21,952,411	24,897,099	24,193,607	71,043,117
0401	Atmospheric Sciences	23,254	1,726,872	1,198,621	877,640	1,102,482	3,178,743
0402	Geochemistry	355,121	1,706,802	1,315,608	2,215,336	2,295,041	5,825,985
0403	Geology	1,175,263	9,145,717	8,175,635	11,329,204	9,718,403	29,223,243

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HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
0404	Geophysics	190,574	8,841,460	5,308,403	5,537,070	5,896,830	16,742,304
0405	Oceanography	123,967	2,591,698	1,635,753	1,278,296	1,129,537	4,043,587
0406	Physical Geography and Environmental Geoscience	150,873	5,099,007	4,311,078	3,595,021	4,044,858	11,950,957
0499	Other Earth Sciences	39,150	61,945	7,311	64,532	6,456	78,300
05	Environmental Sciences	1,094,494	17,658,697	20,333,170	22,607,306	41,026,715	83,967,192
0501	Ecological Applications	153,912	1,245,636	1,684,651	1,742,214	3,276,460	6,703,325
0502	Environmental Science and Management	973,040	13,636,537	15,882,494	17,211,768	34,916,124	68,010,386
0503	Soil Sciences	86,748	2,776,524	2,681,104	3,643,301	2,807,875	9,132,280
0599	Other Environmental Sciences	14,059	63,692	84,921	10,024	26,255	121,200
06	Biological Sciences	1,708,103	31,320,722	64,433,792	62,045,391	68,740,344	195,219,527
0601	Biochemistry and Cell Biology	457,769	18,367,507	24,050,308	21,330,035	22,313,173	67,693,517
0602	Ecology	766,941	6,514,396	9,989,964	8,919,509	8,852,237	27,761,710
0603	Evolutionary Biology	220,371	4,190,634	3,666,303	3,247,400	2,677,251	9,590,954
0604	Genetics	244,143	7,414,132	7,799,908	7,093,457	15,827,667	30,721,032
0605	Microbiology	347,445	4,645,631	5,129,056	6,874,568	6,527,522	18,531,146
0606	Physiology	16,589	1,801,307	1,343,377	1,049,356	1,064,573	3,457,306
0607	Plant Biology	241,069	5,923,354	4,889,009	7,259,085	7,201,455	19,349,549
0608	Zoology	189,704	5,303,274	6,437,628	6,062,499	3,981,909	16,482,036
0699	Other Biological Sciences	16,355	1,145,117	1,128,238	209,482	294,557	1,632,277
07	Agricultural and Veterinary Sciences	792,247	17,176,943	34,608,104	28,510,771	31,995,801	95,114,676
0701	Agriculture, Land and Farm Management	103,580	1,078,798	822,718	824,518	1,983,768	3,631,005
0702	Animal Production	552,382	10,952,361	13,004,564	3,714,364	4,582,713	21,301,640
0703	Crop and Pasture Production	592,796	9,571,466	7,235,647	11,936,756	13,126,848	32,299,251
0704	Fisheries Sciences	118,151	7,205,997	6,002,733	3,961,575	5,248,730	15,213,038
0705	Forestry Sciences	85,370	1,357,153	1,276,957	964,503	1,362,665	3,604,124
0706	Horticultural Production	51,920	723,257	528,404	603,141	723,795	1,855,340
0707	Veterinary Sciences	155,063	5,970,180	5,718,448	6,480,756	4,942,454	17,141,657
0799	Other Agricultural and Veterinary Sciences	4,925	61,191	18,634	25,158	24,829	68,621

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
08	Information and Computing Sciences	833,467	9,070,910	16,644,778	16,119,462	22,641,066	55,405,305
0801	Artificial Intelligence and Image Processing	632,281	8,023,119	7,917,344	7,676,972	9,593,213	25,187,529
0802	Computation Theory and Mathematics	96,810	347,242	332,910	269,094	430,540	1,032,544
0803	Computer Software	120,994	2,797,592	2,711,151	1,898,872	3,587,143	8,197,165
0804	Data Format	16,414	896,675	380,594	472,775	117,621	970,990
0805	Distributed Computing	211,296	634,505	856,996	1,186,431	1,475,849	3,519,276
0806	Information Systems	235,461	2,007,294	3,515,878	3,694,106	4,629,943	11,839,927
0807	Library and Information Studies	29,104	1,906,847	898,147	871,030	1,810,811	3,579,988
0899	Other Information and Computing Sciences	53,344	967,187	31,758	50,181	995,947	1,077,886
09	Engineering	3,357,713	52,433,635	97,857,580	104,627,736	106,034,518	308,519,833
0901	Aerospace Engineering	197,677	4,427,883	634,780	1,724,781	2,763,519	5,123,080
0902	Automotive Engineering	87,176	213,628	85,994	200,181	106,905	393,081
0903	Biomedical Engineering	96,804	4,163,375	3,532,240	3,700,419	4,847,999	12,080,658
0904	Chemical Engineering	368,432	10,320,650	11,885,723	10,452,977	8,046,573	30,385,272
0905	Civil Engineering	922,066	14,065,890	16,787,720	16,253,915	17,754,918	50,796,552
0906	Electrical and Electronic Engineering	495,400	6,509,168	13,259,037	13,542,715	13,712,548	40,514,300
0907	Environmental Engineering	122,374	2,958,832	2,127,199	2,664,113	3,224,647	8,015,959
0908	Food Sciences	74,750	750,703	887,402	704,927	1,078,244	2,670,573
0909	Geomatic Engineering	50,445	1,206,158	476,025	682,796	939,716	2,098,537
0910	Manufacturing Engineering	327,669	3,505,336	2,827,798	3,841,848	5,442,267	12,111,913
0911	Maritime Engineering	103,189	694,811	375,797	516,739	592,747	1,485,283
0912	Materials Engineering	842,433	4,469,692	8,021,280	10,605,591	10,776,082	29,402,953
0913	Mechanical Engineering	644,631	28,352,531	17,668,730	19,700,396	14,440,980	51,810,106
0914	Resources Engineering and Extractive Metallurgy	351,449	29,091,925	18,685,506	19,421,724	21,466,999	59,574,228
0915	Interdisciplinary Engineering	28,820	908,851	487,232	512,428	723,984	1,723,645
0999	Other Engineering	5,100	315,583	115,117	102,186	116,390	333,692

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
10	Technology	129,277	12,425,617	11,661,787	9,748,287	8,443,060	29,853,134
1001	Agricultural Biotechnology	214,894	9,019,446	3,764,633	2,885,465	2,879,646	9,529,744
1002	Environmental Biotechnology	21,152	1,830,077	865,749	305,433	977,888	2,149,070
1003	Industrial Biotechnology	146,520	2,061,887	1,333,630	654,240	550,749	2,538,619
1004	Medical Biotechnology	32,246	3,406,172	1,721,682	1,629,783	1,760,774	5,112,238
1005	Communications Technologies	122,931	679,656	826,717	931,109	1,058,418	2,816,244
1006	Computer Hardware	201,011	324,894	49,410	104,582	248,030	402,022
1007	Nanotechnology	62,330	5,274,209	3,089,094	3,179,406	967,555	7,236,055
1099	Other Technology	26,949	42,193	10,872	58,270	0	69,143
11	Medical and Health Sciences	5,927,207	165,736,812	292,126,193	282,895,473	317,595,801	892,617,467
1101	Medical Biochemistry and Metabolomics	184,557	1,020,206	730,414	833,601	1,434,891	2,998,906
1102	Cardiovascular Medicine and Haematology	1,129,482	6,005,707	10,912,391	12,282,849	12,215,286	35,410,526
1103	Clinical Sciences	1,643,485	44,802,049	62,208,229	59,872,579	67,193,410	189,274,219
1104	Complementary and Alternative Medicine	16,885	1,381,941	553,725	1,073,757	1,322,914	2,950,396
1105	Dentistry	985,066	4,512,037	4,081,561	4,099,831	3,286,634	11,468,026
1106	Human Movement and Sports Science	342,446	1,659,144	3,725,860	5,407,781	4,346,952	13,480,593
1107	Immunology	311,702	7,420,572	14,079,893	15,104,838	15,977,603	45,162,334
1108	Medical Microbiology	353,261	17,670,350	9,620,401	11,175,533	15,075,711	35,871,645
1109	Neurosciences	1,199,863	12,488,105	19,459,233	20,817,813	26,108,111	66,385,157
1110	Nursing	236,725	16,378,325	10,628,182	9,875,826	21,057,321	41,561,329
1111	Nutrition and Dietetics	517,851	2,857,805	2,364,811	3,159,738	4,679,445	10,203,994
1112	Oncology and Carcinogenesis	465,149	22,758,985	28,117,130	28,571,227	31,354,102	88,042,460
1113	Ophthalmology and Optometry	1,535,695	5,788,239	7,897,998	9,044,932	9,884,393	26,827,323
1114	Paediatrics and Reproductive Medicine	616,850	8,055,392	9,549,001	12,329,766	14,671,836	36,550,603
1115	Pharmacology and Pharmaceutical Sciences	446,422	23,238,276	13,602,062	20,074,180	18,248,741	51,924,983
1116	Medical Physiology	330,026	3,824,123	4,431,428	6,018,831	4,318,799	14,769,059
1117	Public Health and Health Services	1,172,866	38,003,914	80,655,348	57,103,052	60,753,780	198,512,180
1199	Other Medical and Health Sciences	145,453	15,474,441	9,508,524	6,049,338	5,665,872	21,223,734

* Median and maximum income is based on total research income over the three year period.

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HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
12	Built Environment and Design	162,030	4,245,598	7,575,266	7,261,069	5,917,972	20,754,306
1201	Architecture	116,366	1,450,305	2,013,294	1,612,954	1,307,757	4,934,005
1202	Building	139,452	525,805	841,159	562,212	930,301	2,333,672
1203	Design Practice and Management	225,927	3,103,516	2,110,091	2,440,076	1,468,851	6,019,019
1204	Engineering Design	9,632	153,663	39,800	89,049	46,889	175,738
1205	Urban and Regional Planning	120,029	2,083,126	2,533,619	2,521,570	2,164,174	7,219,363
1299	Other Built Environment and Design	36,256	54,763	37,303	35,209	0	72,511
13	Education	590,017	10,887,564	16,225,698	16,094,761	16,169,936	48,490,395
1301	Education Systems	226,261	3,773,662	4,823,193	3,671,149	4,209,051	12,703,393
1302	Curriculum and Pedagogy	228,121	2,220,023	4,255,209	4,581,277	4,127,422	12,963,909
1303	Specialist Studies in Education	242,681	4,893,879	7,122,234	7,731,425	7,800,620	22,654,280
1399	Other Education	7,652	73,246	25,062	110,909	32,843	168,814
14	Economics	405,008	4,390,159	8,258,934	7,870,565	8,592,513	24,722,012
1401	Economic Theory	34,910	870,035	488,074	365,719	330,947	1,184,740
1402	Applied Economics	405,008	3,469,518	7,024,195	6,418,549	7,512,080	20,954,823
1403	Econometrics	70,017	920,640	673,671	1,016,199	472,070	2,161,940
1499	Other Economics	22,134	364,322	72,994	70,099	277,416	420,509
15	Commerce, Management, Tourism and Services	741,954	8,781,576	16,887,069	16,250,993	16,647,170	49,785,231
1501	Accounting, Auditing and Accountability	116,849	1,026,447	1,973,104	1,296,115	1,572,630	4,841,848
1502	Banking, Finance and Investment	130,094	2,340,219	3,112,822	2,782,060	2,476,484	8,371,366
1503	Business and Management	269,860	4,965,712	6,077,527	6,746,617	7,088,764	19,912,908
1504	Commercial Services	48,621	1,026,880	518,343	507,938	389,665	1,415,945
1505	Marketing	146,675	5,318,020	3,710,802	3,816,320	3,917,048	11,444,170
1506	Tourism	41,433	506,760	1,042,694	897,116	1,006,117	2,945,927
1507	Transportation and Freight Services	44,588	369,276	318,247	176,346	181,617	676,210
1599	Other Commerce, Management, Tourism and Services	10,850	120,356	133,531	28,481	14,846	176,857

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
16	Studies in Human Society	569,286	16,903,898	20,022,807	17,431,347	31,633,389	69,087,543
1601	Anthropology	184,295	969,058	1,349,400	1,142,182	1,200,653	3,692,235
1602	Criminology	30,652	2,057,762	1,107,160	961,268	1,141,066	3,209,494
1603	Demography	18,623	954,724	644,142	525,487	611,792	1,781,421
1604	Human Geography	72,552	582,147	887,621	754,209	1,101,039	2,742,869
1605	Policy and Administration	66,728	3,752,194	5,036,907	3,602,333	5,035,409	13,674,649
1606	Political Science	124,328	15,230,324	4,731,968	2,337,767	15,321,450	22,391,185
1607	Social Work	227,560	2,266,353	2,482,624	3,397,767	3,303,128	9,183,519
1608	Sociology	193,816	1,869,094	3,640,873	4,535,824	3,646,282	11,822,979
1699	Other Studies in Human Society	31,300	308,249	142,113	174,511	272,570	589,193
17	Psychology and Cognitive Sciences	623,448	6,567,528	13,601,555	13,690,167	16,056,296	43,348,018
1701	Psychology	724,042	4,118,132	11,998,848	11,774,403	14,327,414	38,100,665
1702	Cognitive Sciences	31,704	2,449,396	991,991	1,115,327	1,239,134	3,346,453
1799	Other Psychology and Cognitive Sciences	32,842	1,734,223	610,716	800,436	489,747	1,900,900
18	Law and Legal Studies	191,759	2,724,020	4,215,012	3,186,650	4,879,639	12,281,301
1801	Law	191,759	2,724,020	4,090,243	3,170,902	4,876,618	12,137,762
1802	Maori Law	0	0	0	0	0	0
1899	Other Law and Legal Studies	71,769	130,810	124,768	15,748	3,022	143,538
19	Studies in Creative Arts and Writing	100,070	1,552,778	2,626,906	1,990,267	3,419,207	8,036,390
1901	Art Theory and Criticism	25,271	100,014	79,489	112,536	198,335	390,360
1902	Film, Television and Digital Media	25,475	647,249	677,061	324,318	393,885	1,395,264
1903	Journalism and Professional Writing	6,492	156,837	86,180	62,598	119,425	268,203
1904	Performing Arts and Creative Writing	60,962	814,164	967,882	578,065	1,835,645	3,381,592
1905	Visual Arts and Crafts	123,914	1,015,417	816,294	911,159	871,917	2,599,370
1999	Other Studies in Creative Arts and Writing	1,591	1,591	0	1,591	0	1,591

* Median and maximum income is based on total research income over the three year period.

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HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
20	Language, Communication and Culture	196,622	2,369,540	5,124,715	4,262,141	5,144,073	14,530,929
2001	Communication and Media Studies	79,220	552,061	1,162,751	1,068,769	726,301	2,957,822
2002	Cultural Studies	49,323	248,777	872,390	453,355	574,941	1,900,686
2003	Language Studies	44,155	712,904	491,201	508,927	753,227	1,753,354
2004	Linguistics	70,341	1,368,824	1,576,507	1,327,364	1,562,304	4,466,175
2005	Literary Studies	85,009	1,186,856	1,017,697	827,997	1,376,506	3,222,200
2099	Other Language, Communication and Culture	41,564	135,556	4,171	75,729	150,793	230,693
21	History and Archaeology	170,423	7,456,481	8,958,265	6,313,009	6,549,761	21,821,035
2101	Archaeology	271,751	6,682,391	6,443,788	4,219,203	3,906,391	14,569,382
2102	Curatorial and Related Studies	9,047	453,219	195,577	264,121	237,181	696,879
2103	Historical Studies	109,459	1,333,636	2,312,354	1,828,822	2,405,113	6,546,289
2199	Other History and Archaeology	4,243	4,462	6,547	863	1,076	8,486
22	Philosophy and Religious Studies	92,184	7,200,308	4,273,014	5,144,860	4,571,884	13,989,759
2201	Applied Ethics	36,990	415,778	190,157	328,575	368,694	887,426
2202	History and Philosophy of Specific Fields	16,166	565,304	419,174	326,949	403,651	1,149,774
2203	Philosophy	98,158	230,591	706,123	290,967	441,290	1,438,379
2204	Religion and Religious Studies	83,695	7,200,308	2,957,560	4,198,370	3,358,250	10,514,180
2299	Other Philosophy and Religious Studies	0	0	0	0	0	0
Total				705,236,702	693,110,739	780,086,916	2,178,434,357

* Median and maximum income is based on total research income over the three year period.

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (AUSTRALIAN)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
01	Mathematical Sciences	232,726	1,605,251	2,941,700	3,196,843	4,056,712	10,195,255
0101	Pure Mathematics	22,574	249,643	168,766	222,212	270,380	661,357
0102	Applied Mathematics	153,455	1,573,492	1,815,273	1,848,988	2,259,924	5,924,185
0103	Numerical and Computational Mathematics	101,465	264,409	220,515	98,838	343,631	662,985
0104	Statistics	179,452	586,810	655,038	956,656	1,098,044	2,709,738
0105	Mathematical Physics	37,376	94,226	79,997	69,287	82,581	231,865
0199	Other Mathematical Sciences	5,125	5,125	2,111	863	2,152	5,125
02	Physical Sciences	332,055	5,633,272	5,660,893	6,685,090	7,872,480	20,218,463
0201	Astronomical and Space Sciences	78,423	943,880	566,545	923,395	620,050	2,109,989
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	60,553	346,082	304,280	238,046	616,935	1,159,261
0203	Classical Physics	546,856	1,988,481	1,250,295	1,143,131	691,604	3,085,030
0204	Condensed Matter Physics	147,252	3,975,829	1,336,335	2,230,554	3,296,924	6,863,814
0205	Optical Physics	140,659	611,538	1,146,719	726,366	1,032,470	2,905,555
0206	Quantum Physics	141,717	445,014	161,866	237,682	727,898	1,127,445
0299	Other Physical Sciences	168,597	1,119,436	894,854	1,185,916	886,600	2,967,370
03	Chemical Sciences	558,995	6,516,619	11,936,460	13,065,503	11,391,506	36,393,468
0301	Analytical Chemistry	166,406	1,102,480	1,738,906	2,057,756	2,089,324	5,885,986
0302	Inorganic Chemistry	87,420	1,015,561	764,405	1,071,154	774,681	2,610,241
0303	Macromolecular and Materials Chemistry	85,817	1,722,796	1,813,283	2,438,060	1,439,949	5,691,292
0304	Medicinal and Biomolecular Chemistry	260,220	1,873,530	3,102,853	3,435,542	2,546,889	9,085,284
0305	Organic Chemistry	83,740	823,781	1,275,932	1,277,618	596,828	3,150,378
0306	Physical Chemistry (Incl. Structural)	215,399	1,181,985	2,440,055	1,837,894	3,207,197	7,485,146
0307	Theoretical and Computational Chemistry	39,735	2,090,096	793,339	754,014	705,722	2,253,075
0399	Other Chemical Sciences	15,397	153,714	7,687	193,464	30,915	232,067
04	Earth Sciences	508,926	19,782,124	14,972,646	18,601,268	17,315,157	50,889,071
0401	Atmospheric Sciences	29,072	1,441,384	632,566	753,935	935,357	2,321,858
0402	Geochemistry	267,604	975,417	768,360	1,475,026	1,448,695	3,692,082
0403	Geology	462,622	7,684,330	5,283,915	7,705,463	6,408,312	19,397,690
0404	Geophysics	51,680	8,841,460	3,938,856	4,755,325	3,940,277	12,634,458

* Median and maximum income is based on total research income over the three year period.

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HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (AUSTRALIAN)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
0405	Oceanography	87,198	2,218,751	1,070,694	966,252	848,850	2,885,797
0406	Physical Geography and Environmental Geoscience	151,871	4,478,638	3,274,034	2,880,734	3,727,209	9,881,977
0499	Other Earth Sciences	37,605	61,945	4,221	64,532	6,456	75,210
05	Environmental Sciences	951,095	16,833,590	17,179,223	18,834,544	36,540,818	72,554,585
0501	Ecological Applications	124,479	1,217,002	1,500,282	1,365,029	2,865,858	5,731,169
0502	Environmental Science and Management	814,338	13,009,326	13,837,138	14,686,628	31,738,340	60,262,106
0503	Soil Sciences	77,440	2,607,261	1,800,007	2,774,261	1,915,099	6,489,367
0599	Other Environmental Sciences	11,938	45,977	41,796	8,626	21,521	71,943
06	Biological Sciences	1,314,950	24,227,888	49,415,985	44,819,928	45,742,682	139,978,594
0601	Biochemistry and Cell Biology	296,082	16,200,852	19,815,588	17,733,880	18,362,746	55,912,213
0602	Ecology	561,756	6,498,845	9,144,405	7,886,145	7,850,063	24,880,612
0603	Evolutionary Biology	112,062	4,047,564	2,704,850	2,136,469	2,113,110	6,954,430
0604	Genetics	180,336	3,334,114	5,492,968	4,231,600	6,966,478	16,691,046
0605	Microbiology	168,569	1,955,812	3,159,401	3,191,177	3,316,791	9,667,369
0606	Physiology	12,821	941,359	617,555	758,884	804,013	2,180,452
0607	Plant Biology	135,790	3,689,821	2,768,516	4,176,358	2,797,552	9,742,426
0608	Zoology	160,878	2,230,096	4,622,223	4,495,932	3,246,679	12,364,834
0699	Other Biological Sciences	29,424	1,145,117	1,090,478	209,482	285,251	1,585,212
07	Agricultural and Veterinary Sciences	581,008	14,729,221	27,151,585	17,296,147	18,136,308	62,584,040
0701	Agriculture, Land and Farm Management	186,342	555,754	623,570	661,183	1,205,311	2,490,065
0702	Animal Production	420,831	10,737,929	12,142,591	2,579,930	2,583,233	17,305,754
0703	Crop and Pasture Production	315,355	4,073,023	5,483,095	6,323,195	6,651,761	18,458,051
0704	Fisheries Sciences	73,758	2,247,187	2,899,769	1,703,198	2,843,539	7,446,506
0705	Forestry Sciences	65,123	780,094	945,750	679,149	893,771	2,518,669
0706	Horticultural Production	30,761	663,413	325,329	418,589	582,205	1,326,123
0707	Veterinary Sciences	141,186	4,940,950	4,712,847	4,905,747	3,351,659	12,970,253
0799	Other Agricultural and Veterinary Sciences	4,925	61,191	18,634	25,158	24,829	68,621

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (AUSTRALIAN)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
08	Information and Computing Sciences	606,064	8,106,855	11,722,135	10,914,055	16,550,180	39,186,370
0801	Artificial Intelligence and Image Processing	300,384	7,551,807	6,419,049	5,950,982	8,017,464	20,387,495
0802	Computation Theory and Mathematics	49,762	324,894	172,261	186,447	378,277	736,984
0803	Computer Software	131,265	2,308,412	1,773,036	964,499	2,155,867	4,893,401
0804	Data Format	11,285	197,305	9,340	111,562	99,872	220,773
0805	Distributed Computing	59,886	591,639	492,589	628,296	1,092,542	2,213,428
0806	Information Systems	166,951	1,669,735	2,555,411	2,706,571	3,644,856	8,906,838
0807	Library and Information Studies	28,663	362,442	295,174	352,759	456,924	1,104,857
0899	Other Information and Computing Sciences	361,297	697,922	5,277	12,939	704,378	722,594
09	Engineering	1,935,637	37,007,501	78,778,977	80,721,198	79,667,171	239,167,346
0901	Aerospace Engineering	110,925	4,107,424	322,393	1,503,538	2,507,413	4,333,344
0902	Automotive Engineering	57,731	64,999	42,610	58,594	25,597	126,800
0903	Biomedical Engineering	112,160	3,362,136	2,878,429	2,956,545	4,222,316	10,057,290
0904	Chemical Engineering	320,544	3,719,115	8,339,876	5,505,975	5,014,538	18,860,389
0905	Civil Engineering	674,007	12,435,264	14,651,654	14,235,949	15,202,045	44,089,648
0906	Electrical and Electronic Engineering	390,634	4,912,909	9,082,894	10,092,329	9,641,291	28,816,514
0907	Environmental Engineering	143,143	2,792,007	1,453,346	2,165,832	3,063,195	6,682,373
0908	Food Sciences	53,980	693,522	821,401	554,303	935,519	2,311,223
0909	Geomatic Engineering	50,445	1,133,622	474,995	644,956	905,020	2,024,971
0910	Manufacturing Engineering	327,669	3,505,336	2,570,545	2,914,826	3,345,708	8,831,079
0911	Maritime Engineering	182,081	515,616	222,230	322,651	349,307	894,189
0912	Materials Engineering	471,414	3,080,940	5,408,177	7,345,330	6,534,896	19,288,403
0913	Mechanical Engineering	590,108	25,888,500	15,819,412	17,607,883	12,743,001	46,170,296
0914	Resources Engineering and Extractive Metallurgy	452,833	23,002,366	16,196,337	14,300,549	14,525,425	45,022,311
0915	Interdisciplinary Engineering	50,925	872,213	480,612	511,075	649,748	1,641,435
0999	Other Engineering	3,799	9,481	14,065	863	2,152	17,080

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (AUSTRALIAN)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
10	Technology	63,345	5,679,865	7,506,923	6,766,564	4,862,529	19,136,016
1001	Agricultural Biotechnology	161,356	1,161,679	640,004	508,806	370,791	1,519,601
1002	Environmental Biotechnology	21,152	1,751,878	817,465	280,994	972,411	2,070,870
1003	Industrial Biotechnology	146,520	1,762,744	1,109,953	603,374	451,149	2,164,477
1004	Medical Biotechnology	25,511	3,299,841	1,349,261	1,432,504	1,438,409	4,220,174
1005	Communications Technologies	35,614	584,413	702,512	825,397	506,519	2,034,428
1006	Computer Hardware	324,894	324,894	40,140	68,493	216,261	324,894
1007	Nanotechnology	38,206	5,243,973	2,836,715	2,988,726	906,989	6,732,430
1099	Other Technology	26,949	42,193	10,872	58,270	0	69,143
11	Medical and Health Sciences	4,909,636	144,599,173	221,115,157	206,737,009	238,376,112	666,228,278
1101	Medical Biochemistry and Metabolomics	112,041	1,004,825	671,565	799,861	1,212,616	2,684,042
1102	Cardiovascular Medicine and Haematology	1,112,102	5,416,359	9,698,561	9,436,196	10,594,977	29,729,735
1103	Clinical Sciences	1,137,591	38,924,984	48,108,054	46,785,859	53,781,859	148,675,771
1104	Complementary and Alternative Medicine	20,979	682,338	206,199	614,472	781,136	1,601,807
1105	Dentistry	873,421	4,284,117	3,508,577	3,688,497	3,054,700	10,251,775
1106	Human Movement and Sports Science	274,196	1,181,813	3,029,044	3,957,407	3,812,456	10,798,907
1107	Immunology	422,745	6,396,168	8,640,139	9,584,813	9,197,223	27,422,175
1108	Medical Microbiology	110,164	2,709,398	2,207,020	3,894,146	3,113,916	9,215,082
1109	Neurosciences	1,182,547	8,935,440	14,831,194	16,600,687	20,253,279	51,685,159
1110	Nursing	272,618	16,025,061	9,223,247	8,369,937	19,356,722	36,949,906
1111	Nutrition and Dietetics	321,745	1,323,976	1,424,210	2,243,837	3,635,842	7,303,889
1112	Oncology and Carcinogenesis	1,433,499	21,050,296	23,791,112	25,486,446	28,404,485	77,682,043
1113	Ophthalmology and Optometry	677,855	5,747,364	5,722,208	5,902,873	7,344,366	18,969,448
1114	Paediatrics and Reproductive Medicine	757,956	7,090,925	7,955,366	10,942,530	12,933,081	31,830,977
1115	Pharmacology and Pharmaceutical Sciences	432,197	6,145,594	7,941,461	9,594,388	8,825,658	26,361,507
1116	Medical Physiology	222,721	2,236,460	1,857,315	3,109,242	2,381,023	7,347,579
1117	Public Health and Health Services	830,986	36,332,403	64,693,823	39,904,472	44,403,836	149,002,130
1199	Other Medical and Health Sciences	145,453	13,882,772	7,606,063	5,821,345	5,288,937	18,716,345

* Median and maximum income is based on total research income over the three year period.

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HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (AUSTRALIAN)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
12	Built Environment and Design	158,077	3,595,249	6,002,695	6,149,049	4,989,910	17,141,654
1201	Architecture	123,305	1,219,716	1,038,320	1,134,023	993,284	3,165,626
1202	Building	116,482	525,805	834,334	483,427	745,416	2,063,177
1203	Design Practice and Management	181,222	2,866,381	2,043,605	2,179,180	1,333,663	5,556,448
1204	Engineering Design	4,181	126,744	39,800	47,047	46,889	133,736
1205	Urban and Regional Planning	120,029	1,625,205	2,009,334	2,270,163	1,870,659	6,150,156
1299	Other Built Environment and Design	36,256	54,763	37,303	35,209	0	72,511
13	Education	500,469	8,337,666	13,320,868	12,070,066	13,351,930	38,742,864
1301	Education Systems	172,499	3,502,940	3,937,486	2,774,165	3,311,453	10,023,104
1302	Curriculum and Pedagogy	131,066	1,605,627	3,536,300	3,409,877	3,239,506	10,185,682
1303	Specialist Studies in Education	179,093	3,229,100	5,823,050	5,775,211	6,768,129	18,366,390
1399	Other Education	7,652	72,216	24,032	110,813	32,843	167,688
14	Economics	252,938	2,012,256	5,821,069	5,393,916	5,678,001	16,892,986
1401	Economic Theory	16,999	870,035	471,526	294,198	279,091	1,044,815
1402	Applied Economics	238,083	1,935,234	4,799,560	4,180,389	4,728,084	13,708,033
1403	Econometrics	66,954	767,432	489,068	851,977	408,874	1,749,918
1499	Other Economics	17,315	364,322	60,915	67,353	261,952	390,220
15	Commerce, Management, Tourism and Services	550,607	7,288,774	12,947,813	11,570,925	12,361,136	36,879,875
1501	Accounting, Auditing and Accountability	105,859	937,209	1,875,421	1,153,631	1,397,614	4,426,666
1502	Banking, Finance and Investment	154,056	1,539,141	2,229,555	1,444,925	1,286,880	4,961,360
1503	Business and Management	243,075	4,637,289	5,096,813	5,279,727	5,731,636	16,108,176
1504	Commercial Services	36,958	1,026,880	490,017	496,801	389,665	1,376,483
1505	Marketing	90,632	2,079,529	2,031,257	2,441,710	2,609,703	7,082,671
1506	Tourism	38,041	506,760	944,940	600,609	766,256	2,311,806
1507	Transportation and Freight Services	44,588	296,514	259,375	134,362	164,535	558,272
1599	Other Commerce, Management, Tourism and Services	8,957	13,995	20,435	19,160	14,846	54,441

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (AUSTRALIAN)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
16	Studies in Human Society	461,022	13,697,493	14,401,928	13,963,177	25,949,023	54,314,129
1601	Anthropology	159,586	938,623	1,210,518	953,144	996,207	3,159,869
1602	Criminology	30,652	1,957,517	980,578	836,643	1,013,672	2,830,893
1603	Demography	18,428	777,831	372,261	432,341	250,117	1,054,719
1604	Human Geography	70,600	570,436	744,338	709,226	872,723	2,326,287
1605	Policy and Administration	61,652	2,883,537	3,865,189	2,994,490	3,580,703	10,440,382
1606	Political Science	64,337	12,612,684	1,875,742	1,476,296	13,490,825	16,842,864
1607	Social Work	178,448	2,266,353	2,331,121	3,089,438	2,984,191	8,404,750
1608	Sociology	151,514	1,250,791	2,931,482	3,323,691	2,593,941	8,849,114
1699	Other Studies in Human Society	23,269	213,701	90,700	147,907	166,644	405,250
17	Psychology and Cognitive Sciences	575,800	2,687,243	10,333,071	9,633,438	11,597,328	31,563,837
1701	Psychology	696,527	2,687,243	9,833,033	9,021,510	10,571,533	29,426,076
1702	Cognitive Sciences	20,522	497,976	126,107	267,205	551,692	945,003
1799	Other Psychology and Cognitive Sciences	32,842	1,030,899	373,932	344,722	474,103	1,192,757
18	Law and Legal Studies	152,848	2,527,363	3,164,365	2,471,183	3,583,692	9,219,240
1801	Law	152,848	2,527,363	3,164,365	2,458,455	3,583,692	9,206,511
1802	Maori Law	0	0	0	0	0	0
1899	Other Law and Legal Studies	12,729	12,729	0	12,729	0	12,729
19	Studies in Creative Arts and Writing	93,589	1,072,583	1,978,553	1,545,769	3,019,273	6,543,595
1901	Art Theory and Criticism	19,922	93,537	62,724	37,693	178,013	278,431
1902	Film, Television and Digital Media	18,161	514,972	262,538	150,871	377,862	791,271
1903	Journalism and Professional Writing	6,719	156,837	86,180	62,023	119,425	267,628
1904	Performing Arts and Creative Writing	58,120	758,276	809,724	383,131	1,502,323	2,695,178
1905	Visual Arts and Crafts	118,518	941,337	757,387	910,460	841,650	2,509,496
1999	Other Studies in Creative Arts and Writing	1,591	1,591	0	1,591	0	1,591

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (AUSTRALIAN)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
20	Language, Communication and Culture	168,533	1,268,522	2,645,219	2,061,733	3,055,321	7,762,272
2001	Communication and Media Studies	43,010	262,132	449,274	640,718	579,515	1,669,508
2002	Cultural Studies	27,227	227,384	543,545	210,709	347,747	1,102,001
2003	Language Studies	13,912	162,950	108,464	105,572	18,319	232,355
2004	Linguistics	53,451	911,733	876,528	656,882	1,052,086	2,585,496
2005	Literary Studies	104,601	529,165	665,297	372,122	906,861	1,944,280
2099	Other Language, Communication and Culture	40,534	135,556	2,111	75,729	150,793	228,633
21	History and Archaeology	195,198	6,247,739	7,991,198	5,155,682	5,718,681	18,865,561
2101	Archaeology	249,595	5,473,649	5,807,704	3,418,891	3,427,435	12,654,030
2102	Curatorial and Related Studies	9,047	317,885	138,074	104,420	195,484	437,978
2103	Historical Studies	123,421	1,330,901	2,039,903	1,631,508	2,094,686	5,766,097
2199	Other History and Archaeology	3,728	4,462	5,517	863	1,076	7,456
22	Philosophy and Religious Studies	89,542	7,200,308	3,705,273	4,532,770	3,639,737	11,877,780
2201	Applied Ethics	14,084	340,961	145,796	248,907	237,345	632,048
2202	History and Philosophy of Specific Fields	6,201	194,064	179,710	40,888	11,968	232,566
2203	Philosophy	68,746	203,327	559,424	218,826	210,231	988,482
2204	Religion and Religious Studies	71,855	7,200,308	2,820,343	4,024,148	3,180,193	10,024,684
2299	Other Philosophy and Religious Studies	0	0	0	0	0	0
Total				530,693,737	502,185,856	573,455,687	1,606,335,280

* Median and maximum income is based on total research income over the three year period.

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL A)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
01	Mathematical Sciences	62,145	327,114	379,332	424,062	402,872	1,206,266
0101	Pure Mathematics	10,699	64,978	44,546	0	36,335	80,881
0102	Applied Mathematics	118,483	245,600	215,912	364,432	213,082	793,425
0103	Numerical and Computational Mathematics	8,065	8,065	0	0	8,065	8,065
0104	Statistics	130,153	176,985	112,407	56,889	143,724	313,019
0105	Mathematical Physics	3,799	4,385	6,468	2,741	1,667	10,876
0199	Other Mathematical Sciences	0	0	0	0	0	0
02	Physical Sciences	385,380	1,808,387	2,193,012	2,507,917	2,183,522	6,884,450
0201	Astronomical and Space Sciences	45,321	296,753	293,683	217,532	9,562	520,778
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	263,810	263,810	0	189,596	74,215	263,810
0203	Classical Physics	92,464	92,464	0	92,464	0	92,464
0204	Condensed Matter Physics	49,099	575,213	370,906	306,105	522,108	1,199,119
0205	Optical Physics	185,858	655,859	619,025	1,117,836	459,591	2,196,452
0206	Quantum Physics	104,263	1,091,248	621,097	228,201	737,699	1,586,997
0299	Other Physical Sciences	512,415	936,543	288,300	356,184	380,346	1,024,830
03	Chemical Sciences	396,140	2,754,812	3,033,379	3,501,966	2,984,307	9,519,652
0301	Analytical Chemistry	41,004	230,144	106,586	345,586	246,432	698,603
0302	Inorganic Chemistry	119,768	208,207	122,278	184,526	147,960	454,764
0303	Macromolecular and Materials Chemistry	74,126	170,869	138,236	212,381	194,037	544,655
0304	Medicinal and Biomolecular Chemistry	248,991	2,754,812	2,287,430	2,315,907	1,162,228	5,765,565
0305	Organic Chemistry	51,891	223,072	140,900	43,552	107,386	291,839
0306	Physical Chemistry (Incl. Structural)	115,828	487,638	237,949	400,014	1,079,118	1,717,081
0307	Theoretical and Computational Chemistry	47,145	47,145	0	0	47,145	47,145
0399	Other Chemical Sciences	0	0	0	0	0	0
04	Earth Sciences	105,514	1,258,117	841,178	1,447,998	1,232,927	3,522,103
0401	Atmospheric Sciences	166,180	252,875	252,875	0	79,485	332,360
0402	Geochemistry	47,422	252,106	25,703	412,482	85,803	523,988
0403	Geology	73,449	755,290	206,647	710,027	555,217	1,471,891
0404	Geophysics	52,003	191,533	0	42,596	215,402	257,998

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL A)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
0405	Oceanography	132,979	349,443	304,428	209,759	247,973	762,160
0406	Physical Geography and Environmental Geoscience	19,754	99,510	51,525	73,134	49,048	173,706
0499	Other Earth Sciences	0	0	0	0	0	0
05	Environmental Sciences	80,920	868,874	1,179,913	1,130,797	980,363	3,291,073
0501	Ecological Applications	14,454	66,071	55,453	77,512	78,742	211,706
0502	Environmental Science and Management	69,430	868,874	991,326	1,010,171	874,147	2,875,644
0503	Soil Sciences	34,378	120,916	128,086	43,115	27,474	198,675
0599	Other Environmental Sciences	5,047	5,047	5,047	0	0	5,047
06	Biological Sciences	647,114	9,895,511	8,067,499	10,088,669	16,389,489	34,545,657
0601	Biochemistry and Cell Biology	281,150	2,212,883	2,196,195	2,694,619	2,996,163	7,886,976
0602	Ecology	34,142	306,033	350,021	524,003	354,986	1,229,010
0603	Evolutionary Biology	31,623	673,329	412,480	434,147	339,813	1,186,440
0604	Genetics	183,560	6,592,782	1,932,210	2,171,786	8,230,805	12,334,802
0605	Microbiology	172,319	1,691,549	1,320,450	2,228,873	2,653,290	6,202,613
0606	Physiology	12,506	644,210	677,148	127,633	96,836	901,617
0607	Plant Biology	60,191	2,873,191	761,424	1,347,007	1,289,426	3,397,857
0608	Zoology	9,195	938,519	399,418	560,601	428,170	1,388,190
0699	Other Biological Sciences	9,076	15,182	18,152	0	0	18,152
07	Agricultural and Veterinary Sciences	123,701	1,895,194	1,517,677	1,661,146	2,541,429	5,720,252
0701	Agriculture, Land and Farm Management	11,271	497,631	8,847	13,696	504,977	527,520
0702	Animal Production	124,664	1,397,563	489,209	415,232	996,841	1,901,282
0703	Crop and Pasture Production	144,747	311,383	412,639	601,544	407,784	1,421,967
0704	Fisheries Sciences	33,331	320,516	243,653	189,166	122,048	554,866
0705	Forestry Sciences	19,980	95,447	73,075	62,424	0	135,499
0706	Horticultural Production	26,084	101,090	21,254	105,920	10,007	137,181
0707	Veterinary Sciences	154,851	398,428	269,000	273,164	499,773	1,041,936
0799	Other Agricultural and Veterinary Sciences	0	0	0	0	0	0

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL A)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
08	Information and Computing Sciences	87,986	2,250,481	1,593,590	1,549,968	2,812,708	5,956,266
0801	Artificial Intelligence and Image Processing	47,548	1,065,970	656,517	919,344	782,447	2,358,308
0802	Computation Theory and Mathematics	24,474	36,358	58,318	30,011	5,039	93,368
0803	Computer Software	77,968	1,125,241	276,187	349,262	991,279	1,616,729
0804	Data Format	8,875	16,414	0	0	17,749	17,749
0805	Distributed Computing	19,559	192,984	222,279	147,476	20,302	390,057
0806	Information Systems	19,511	91,345	119,095	83,877	102,476	305,448
0807	Library and Information Studies	567,119	1,125,241	237,804	3,020	893,415	1,134,238
0899	Other Information and Computing Sciences	20,185	36,358	23,391	16,978	0	40,369
09	Engineering	242,891	7,165,514	5,512,860	5,879,407	6,140,623	17,532,890
0901	Aerospace Engineering	21,876	106,930	21,876	60,425	50,540	132,841
0902	Automotive Engineering	0	0	0	0	0	0
0903	Biomedical Engineering	75,927	265,952	213,007	324,786	204,704	742,497
0904	Chemical Engineering	83,927	5,396,937	2,575,357	2,633,296	866,348	6,075,001
0905	Civil Engineering	109,633	344,345	214,930	410,952	577,900	1,203,782
0906	Electrical and Electronic Engineering	25,428	1,323,932	805,934	505,897	1,416,678	2,728,509
0907	Environmental Engineering	31,089	279,709	233,679	57,702	52,662	344,044
0908	Food Sciences	16,837	16,837	0	0	16,837	16,837
0909	Geomatic Engineering	0	0	0	0	0	0
0910	Manufacturing Engineering	121,995	121,995	0	22,004	99,991	121,995
0911	Maritime Engineering	156,463	304,691	153,567	78,382	80,976	312,926
0912	Materials Engineering	84,024	1,061,964	786,486	762,090	1,130,871	2,679,446
0913	Mechanical Engineering	50,007	354,064	166,068	402,946	572,332	1,141,347
0914	Resources Engineering and Extractive Metallurgy	428,808	851,999	239,435	519,603	954,627	1,713,666
0915	Interdisciplinary Engineering	2,208	2,500	2,500	0	1,917	4,417
0999	Other Engineering	315,583	315,583	100,022	101,323	114,238	315,583

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL A)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
10	Technology	114,165	6,663,930	3,380,895	2,233,633	2,587,254	8,201,782
1001	Agricultural Biotechnology	74,999	6,663,930	2,708,996	1,939,015	2,106,470	6,754,481
1002	Environmental Biotechnology	32,797	32,797	28,339	1,932	2,526	32,797
1003	Industrial Biotechnology	151,753	228,506	223,677	4,830	74,999	303,506
1004	Medical Biotechnology	100,584	178,652	147,103	103,904	172,325	423,332
1005	Communications Technologies	22,086	127,746	59,014	20,423	158,672	238,109
1006	Computer Hardware	67,858	67,858	0	36,090	31,769	67,858
1007	Nanotechnology	30,236	165,268	213,767	127,440	40,493	381,700
1099	Other Technology	0	0	0	0	0	0
11	Medical and Health Sciences	1,348,880	44,381,374	40,658,196	42,799,349	46,602,181	130,059,726
1101	Medical Biochemistry and Metabolomics	43,160	78,976	18,999	20,232	126,769	166,000
1102	Cardiovascular Medicine and Haematology	163,682	1,058,842	641,832	1,048,692	931,385	2,621,908
1103	Clinical Sciences	142,136	4,928,772	5,214,519	6,327,152	6,447,974	17,989,645
1104	Complementary and Alternative Medicine	109,301	214,982	65,627	152,976	0	218,602
1105	Dentistry	60,666	143,493	190,700	50,133	26,315	267,148
1106	Human Movement and Sports Science	38,172	230,898	84,228	483,185	203,219	770,631
1107	Immunology	686,204	5,854,959	4,219,848	3,653,749	5,523,406	13,397,003
1108	Medical Microbiology	326,464	17,211,191	6,162,266	6,314,722	11,219,508	23,696,496
1109	Neurosciences	452,021	3,543,088	3,727,344	2,917,320	4,320,799	10,965,464
1110	Nursing	17,986	337,831	164,957	193,976	100,186	459,119
1111	Nutrition and Dietetics	100,955	168,480	74,206	82,553	117,490	274,249
1112	Oncology and Carcinogenesis	448,993	1,347,523	2,226,516	1,802,166	1,823,120	5,851,802
1113	Ophthalmology and Optometry	68,528	1,879,387	748,469	922,607	894,426	2,565,502
1114	Paediatrics and Reproductive Medicine	332,124	822,970	1,093,692	626,061	1,088,940	2,808,693
1115	Pharmacology and Pharmaceutical Sciences	33,770	7,385,696	3,516,922	5,102,729	3,051,195	11,670,846
1116	Medical Physiology	117,199	1,327,815	622,330	1,072,602	1,241,374	2,936,306
1117	Public Health and Health Services	268,145	13,614,048	10,613,120	11,825,776	9,468,739	31,907,634
1199	Other Medical and Health Sciences	358,564	771,500	1,272,623	202,718	17,336	1,492,677

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL A)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
12	Built Environment and Design	55,122	416,696	490,851	380,872	294,765	1,166,488
1201	Architecture	26,332	288,433	201,849	119,076	22,121	343,046
1202	Building	8,546	9,797	2,131	14,783	178	17,092
1203	Design Practice and Management	24,768	62,633	34,678	55,123	27,356	117,157
1204	Engineering Design	26,920	26,920	0	26,920	0	26,920
1205	Urban and Regional Planning	58,298	348,360	252,192	164,970	245,110	662,273
1299	Other Built Environment and Design	0	0	0	0	0	0
13	Education	24,885	353,782	482,587	418,103	298,755	1,199,444
1301	Education Systems	17,355	98,117	105,754	136,583	35,265	277,602
1302	Curriculum and Pedagogy	12,936	301,616	247,137	161,913	38,816	447,866
1303	Specialist Studies in Education	11,722	255,337	129,696	119,511	224,674	473,880
1399	Other Education	96	96	0	96	0	96
14	Economics	33,356	367,596	500,748	453,995	332,156	1,286,899
1401	Economic Theory	29,608	34,243	2,744	36,833	27,018	66,596
1402	Applied Economics	30,118	352,523	489,345	371,862	275,029	1,136,236
1403	Econometrics	17,102	29,608	8,660	43,252	14,645	66,557
1499	Other Economics	8,756	15,464	0	2,047	15,464	17,511
15	Commerce, Management, Tourism and Services	27,199	754,122	354,567	603,774	832,506	1,790,847
1501	Accounting, Auditing and Accountability	30,009	61,843	14,449	34,034	69,690	118,173
1502	Banking, Finance and Investment	11,525	681,302	175,633	386,005	489,895	1,051,533
1503	Business and Management	15,407	103,010	121,297	159,888	90,844	372,029
1504	Commercial Services	8,148	15,107	12,676	3,621	0	16,297
1505	Marketing	9,933	94,868	23,525	0	94,868	118,393
1506	Tourism	6,313	100,881	6,987	20,227	87,209	114,423
1507	Transportation and Freight Services	0	0	0	0	0	0
1599	Other Commerce, Management, Tourism and Services	0	0	0	0	0	0

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL A)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
16	Studies in Human Society	87,115	2,319,329	1,848,816	1,235,266	2,290,280	5,374,362
1601	Anthropology	18,724	160,055	21,841	115,379	188,113	325,333
1602	Criminology	43,374	43,374	29,398	13,977	0	43,374
1603	Demography	57,911	99,672	16,151	0	99,672	115,823
1604	Human Geography	14,881	83,431	13,364	1,517	156,168	171,049
1605	Policy and Administration	21,560	511,266	195,741	148,197	377,609	721,547
1606	Political Science	19,408	2,272,926	1,355,371	641,756	1,195,343	3,192,470
1607	Social Work	8,161	45,545	45,545	7,023	11,854	64,422
1608	Sociology	39,195	263,603	149,009	307,418	254,716	711,143
1699	Other Studies in Human Society	6,805	16,907	22,396	0	6,805	29,201
17	Psychology and Cognitive Sciences	68,911	1,254,471	957,268	965,299	1,595,086	3,517,653
1701	Psychology	76,498	1,254,471	915,781	955,576	1,536,579	3,407,936
1702	Cognitive Sciences	28,643	41,487	41,487	9,723	58,508	109,718
1799	Other Psychology and Cognitive Sciences	0	0	0	0	0	0
18	Law and Legal Studies	48,164	221,591	354,166	246,639	203,391	804,196
1801	Law	48,164	221,591	351,209	243,620	200,370	795,199
1802	Maori Law	0	0	0	0	0	0
1899	Other Law and Legal Studies	8,998	8,998	2,956	3,020	3,022	8,998
19	Studies in Creative Arts and Writing	32,030	89,189	111,795	68,268	67,420	247,483
1901	Art Theory and Criticism	1,949	1,949	0	1,949	0	1,949
1902	Film, Television and Digital Media	86,530	87,737	109,371	65,490	0	174,861
1903	Journalism and Professional Writing	0	0	0	0	0	0
1904	Performing Arts and Creative Writing	7,577	55,888	2,424	829	62,871	66,124
1905	Visual Arts and Crafts	4,549	4,549	0	0	4,549	4,549
1999	Other Studies in Creative Arts and Writing	0	0	0	0	0	0

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL A)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
20	Language, Communication and Culture	49,902	595,692	652,446	766,615	975,747	2,394,809
2001	Communication and Media Studies	36,017	122,141	96,070	84,240	73,865	254,174
2002	Cultural Studies	8,463	199,241	52,888	152,141	64,445	269,475
2003	Language Studies	277,688	348,589	165,253	233,155	510,298	908,706
2004	Linguistics	35,079	247,103	227,217	294,593	225,367	747,176
2005	Literary Studies	6,146	190,389	111,019	2,487	101,772	215,277
2099	Other Language, Communication and Culture	0	0	0	0	0	0
21	History and Archaeology	27,735	1,200,651	596,768	824,132	647,448	2,068,348
2101	Archaeology	36,665	1,200,651	493,326	694,060	430,215	1,617,601
2102	Curatorial and Related Studies	0	0	0	0	0	0
2103	Historical Studies	13,105	297,477	103,442	130,072	217,233	450,747
2199	Other History and Archaeology	0	0	0	0	0	0
22	Philosophy and Religious Studies	35,603	158,643	97,774	120,862	230,940	449,576
2201	Applied Ethics	34,835	57,820	41,406	4,314	86,085	131,805
2202	History and Philosophy of Specific Fields	47,393	79,321	0	47,330	47,455	94,786
2203	Philosophy	52,642	56,694	29,235	17,557	65,409	112,201
2204	Religion and Religious Studies	55,392	79,321	27,133	51,661	31,991	110,785
2299	Other Philosophy and Religious Studies	0	0	0	0	0	0
Total				74,805,317	79,308,737	92,626,167	246,740,222

* Median and maximum income is based on total research income over the three year period.

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL B)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
01	Mathematical Sciences	204,001	1,774,005	1,887,267	2,880,840	1,635,322	6,403,429
0101	Pure Mathematics	30,867	1,705,900	485,636	635,248	646,750	1,767,634
0102	Applied Mathematics	52,083	299,875	388,722	475,792	108,434	972,948
0103	Numerical and Computational Mathematics	29,925	699,370	364,037	395,485	4,516	764,038
0104	Statistics	48,340	1,641,390	584,496	1,372,045	873,523	2,830,064
0105	Mathematical Physics	4,976	14,728	21,183	2,270	2,099	25,552
0199	Other Mathematical Sciences	21,596	42,163	43,193	0	0	43,193
02	Physical Sciences	209,157	6,493,437	5,095,276	5,362,795	5,375,487	15,833,557
0201	Astronomical and Space Sciences	46,680	4,000,218	1,303,756	1,623,130	1,471,181	4,398,066
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	45,465	442,972	375,310	83,082	142,217	600,609
0203	Classical Physics	59,529	309,476	178,967	118,830	182,021	479,819
0204	Condensed Matter Physics	75,552	1,816,118	531,245	1,168,397	1,683,903	3,383,545
0205	Optical Physics	162,873	943,309	1,260,204	840,532	693,578	2,794,314
0206	Quantum Physics	132,352	1,515,424	610,931	1,016,021	1,033,395	2,660,348
0299	Other Physical Sciences	265,927	967,577	834,862	512,803	169,192	1,516,857
03	Chemical Sciences	247,463	2,949,621	4,722,329	4,538,371	3,931,956	13,192,657
0301	Analytical Chemistry	89,361	1,095,101	1,123,485	1,080,343	702,365	2,906,193
0302	Inorganic Chemistry	16,120	146,390	209,861	1,614	62,689	274,163
0303	Macromolecular and Materials Chemistry	130,443	523,741	541,596	653,512	671,596	1,866,705
0304	Medicinal and Biomolecular Chemistry	57,576	1,387,457	594,002	833,609	591,035	2,018,647
0305	Organic Chemistry	35,806	599,749	617,222	586,684	133,110	1,337,016
0306	Physical Chemistry (Incl. Structural)	75,375	1,636,340	1,353,311	1,314,128	1,548,658	4,216,096
0307	Theoretical and Computational Chemistry	137,089	183,408	279,761	67,783	222,503	570,047
0399	Other Chemical Sciences	3,789	3,789	3,090	699	0	3,789
04	Earth Sciences	230,244	6,990,498	6,138,587	4,847,833	5,645,523	16,631,942
0401	Atmospheric Sciences	31,962	363,860	313,180	123,705	87,640	524,524
0402	Geochemistry	112,224	663,121	521,545	327,827	760,542	1,609,915
0403	Geology	268,517	3,434,105	2,685,073	2,913,714	2,754,875	8,353,662

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL B)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
0404	Geophysics	200,897	3,103,599	1,369,548	739,149	1,741,151	3,849,848
0405	Oceanography	26,373	145,544	260,631	102,285	32,714	395,630
0406	Physical Geography and Environmental Geoscience	25,034	832,485	985,520	641,153	268,601	1,895,274
0499	Other Earth Sciences	3,090	3,090	3,090	0	0	3,090
05	Environmental Sciences	116,186	2,285,536	1,974,034	2,641,965	3,505,535	8,121,534
0501	Ecological Applications	32,924	264,448	128,916	299,673	331,861	760,450
0502	Environmental Science and Management	98,669	954,986	1,054,030	1,514,970	2,303,637	4,872,636
0503	Soil Sciences	32,661	2,174,558	753,011	825,925	865,303	2,444,238
0599	Other Environmental Sciences	22,105	31,543	38,078	1,398	4,734	44,210
06	Biological Sciences	295,210	5,535,399	6,950,308	7,136,794	6,608,174	20,695,276
0601	Biochemistry and Cell Biology	92,266	1,165,396	2,038,526	901,537	954,265	3,894,327
0602	Ecology	44,576	327,617	495,538	509,362	647,189	1,652,089
0603	Evolutionary Biology	22,515	800,004	548,972	676,784	224,328	1,450,084
0604	Genetics	82,363	248,788	374,730	690,070	630,384	1,695,184
0605	Microbiology	98,634	998,270	649,206	1,454,517	557,441	2,661,164
0606	Physiology	77,855	215,738	48,673	162,839	163,724	375,236
0607	Plant Biology	59,952	5,086,067	1,359,068	1,735,720	3,114,478	6,209,266
0608	Zoology	33,743	2,389,450	1,415,987	1,005,966	307,059	2,729,012
0699	Other Biological Sciences	5,497	17,261	19,608	0	9,305	28,913
07	Agricultural and Veterinary Sciences	137,370	6,517,210	5,938,841	9,553,478	11,318,064	26,810,383
0701	Agriculture, Land and Farm Management	62,349	243,390	190,301	149,639	273,480	613,420
0702	Animal Production	131,724	906,118	372,764	719,202	1,002,638	2,094,604
0703	Crop and Pasture Production	127,110	5,962,844	1,339,913	5,012,016	6,067,304	12,419,233
0704	Fisheries Sciences	57,661	6,301,582	2,859,311	2,069,212	2,283,143	7,211,666
0705	Forestry Sciences	77,246	481,612	258,132	222,930	468,894	949,957
0706	Horticultural Production	69,792	119,539	181,820	78,633	131,583	392,036
0707	Veterinary Sciences	193,304	856,815	736,600	1,301,845	1,091,022	3,129,468
0799	Other Agricultural and Veterinary Sciences	0	0	0	0	0	0

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL B)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
08	Information and Computing Sciences	253,754	2,358,681	3,329,052	3,655,439	3,278,178	10,262,669
0801	Artificial Intelligence and Image Processing	100,903	429,124	841,778	806,646	793,302	2,441,726
0802	Computation Theory and Mathematics	35,156	93,160	102,332	52,636	47,225	202,192
0803	Computer Software	61,582	667,375	661,928	585,111	439,996	1,687,035
0804	Data Format	31,038	699,370	371,254	361,214	0	732,468
0805	Distributed Computing	51,880	266,602	142,128	410,659	363,004	915,792
0806	Information Systems	94,223	736,298	841,372	903,658	882,611	2,627,641
0807	Library and Information Studies	57,497	718,118	365,170	515,252	460,471	1,340,893
0899	Other Information and Computing Sciences	157,461	269,265	3,090	20,264	291,569	314,923
09	Engineering	1,386,255	8,260,620	13,565,743	18,027,131	20,226,724	51,819,598
0901	Aerospace Engineering	167,703	320,459	290,511	160,818	205,566	656,895
0902	Automotive Engineering	54,677	155,897	43,385	141,588	81,308	266,280
0903	Biomedical Engineering	63,061	801,239	440,804	419,088	420,979	1,280,871
0904	Chemical Engineering	130,282	1,899,955	970,491	2,313,706	2,165,686	5,449,882
0905	Civil Engineering	92,148	1,286,281	1,921,136	1,607,014	1,974,972	5,503,122
0906	Electrical and Electronic Engineering	206,455	2,046,662	3,370,208	2,944,490	2,654,579	8,969,277
0907	Environmental Engineering	54,316	352,275	440,174	440,579	108,789	989,542
0908	Food Sciences	60,086	242,082	66,000	150,624	125,888	342,512
0909	Geomatic Engineering	36,783	72,536	1,030	37,840	34,696	73,566
0910	Manufacturing Engineering	271,658	2,602,736	257,253	905,018	1,996,567	3,158,838
0911	Maritime Engineering	100,027	170,960	0	115,706	162,463	278,169
0912	Materials Engineering	247,108	1,239,893	1,826,617	2,498,171	3,110,316	7,435,104
0913	Mechanical Engineering	134,212	2,109,967	1,683,250	1,689,566	1,125,646	4,498,463
0914	Resources Engineering and Extractive Metallurgy	371,529	5,237,559	2,249,733	4,601,571	5,986,947	12,838,252
0915	Interdisciplinary Engineering	4,819	34,139	4,120	1,353	72,319	77,793
0999	Other Engineering	1,030	1,030	1,030	0	0	1,030

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL B)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
10	Technology	50,944	1,300,167	773,968	748,090	993,277	2,515,335
1001	Agricultural Biotechnology	627,831	1,193,836	415,633	437,644	402,385	1,255,662
1002	Environmental Biotechnology	45,403	45,403	19,944	22,507	2,952	45,403
1003	Industrial Biotechnology	70,636	70,636	0	46,036	24,600	70,636
1004	Medical Biotechnology	106,331	226,162	225,317	93,374	150,040	468,732
1005	Communications Technologies	35,343	245,090	65,191	85,289	393,227	543,707
1006	Computer Hardware	9,270	9,270	9,270	0	0	9,270
1007	Nanotechnology	19,301	40,062	38,612	63,240	20,073	121,925
1099	Other Technology	0	0	0	0	0	0
11	Medical and Health Sciences	799,532	16,919,059	30,352,840	33,359,115	32,617,508	96,329,463
1101	Medical Biochemistry and Metabolomics	31,739	81,599	39,851	13,508	95,506	148,865
1102	Cardiovascular Medicine and Haematology	100,924	1,162,907	571,998	1,797,961	688,924	3,058,883
1103	Clinical Sciences	281,331	6,163,860	8,885,656	6,759,569	6,963,578	22,608,803
1104	Complementary and Alternative Medicine	42,370	942,217	281,899	306,310	541,778	1,129,987
1105	Dentistry	80,067	541,243	382,284	361,201	205,618	949,103
1106	Human Movement and Sports Science	26,005	675,521	612,588	967,189	331,277	1,911,054
1107	Immunology	91,579	1,402,318	1,219,906	1,866,275	1,256,974	4,343,156
1108	Medical Microbiology	54,238	1,306,710	1,251,115	966,665	742,287	2,960,067
1109	Neurosciences	106,611	859,495	900,695	1,299,806	1,534,032	3,734,533
1110	Nursing	38,453	1,620,101	1,239,978	1,311,913	1,600,413	4,152,304
1111	Nutrition and Dietetics	73,069	1,633,084	866,395	833,347	926,114	2,625,856
1112	Oncology and Carcinogenesis	366,892	1,319,392	2,099,502	1,282,615	1,126,497	4,508,615
1113	Ophthalmology and Optometry	254,123	3,541,214	1,427,321	2,219,451	1,645,600	5,292,373
1114	Paediatrics and Reproductive Medicine	117,462	677,426	499,943	761,175	649,815	1,910,934
1115	Pharmacology and Pharmaceutical Sciences	128,816	9,706,986	2,143,679	5,377,063	6,371,888	13,892,630
1116	Medical Physiology	111,682	1,652,959	1,951,784	1,836,987	696,402	4,485,173
1117	Public Health and Health Services	278,175	5,643,302	5,348,406	5,372,805	6,881,205	17,602,415
1199	Other Medical and Health Sciences	35,062	884,209	629,839	25,274	359,599	1,014,712

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL B)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
12	Built Environment and Design	58,036	1,326,333	1,081,719	731,148	633,297	2,446,164
1201	Architecture	72,536	886,978	773,125	359,856	292,352	1,425,333
1202	Building	37,556	104,396	4,694	64,001	184,707	253,403
1203	Design Practice and Management	32,250	209,779	31,808	205,774	107,832	345,414
1204	Engineering Design	15,082	15,082	0	15,082	0	15,082
1205	Urban and Regional Planning	9,563	271,965	272,092	86,436	48,405	406,933
1299	Other Built Environment and Design	0	0	0	0	0	0
13	Education	131,059	2,196,116	2,422,244	3,606,592	2,519,251	8,548,087
1301	Education Systems	79,078	631,327	779,953	760,401	862,332	2,402,687
1302	Curriculum and Pedagogy	38,805	584,480	471,773	1,009,487	849,101	2,330,361
1303	Specialist Studies in Education	44,366	1,409,442	1,169,488	1,836,704	807,818	3,814,010
1399	Other Education	1,030	1,030	1,030	0	0	1,030
14	Economics	98,762	2,307,157	1,937,116	2,022,654	2,582,357	6,542,127
1401	Economic Theory	5,849	64,098	13,804	34,688	24,839	73,330
1402	Applied Economics	68,786	2,176,244	1,735,290	1,866,298	2,508,966	6,110,554
1403	Econometrics	64,060	130,913	175,944	120,970	48,551	345,465
1499	Other Economics	6,389	7,959	12,079	699	0	12,778
15	Commerce, Management, Tourism and Services	153,385	4,747,210	3,584,688	4,076,293	3,453,528	11,114,509
1501	Accounting, Auditing and Accountability	27,428	85,885	83,233	108,450	105,325	297,009
1502	Banking, Finance and Investment	389,265	1,953,546	707,634	951,130	699,709	2,358,473
1503	Business and Management	56,228	1,167,149	859,418	1,307,002	1,266,283	3,432,703
1504	Commercial Services	11,583	22,136	15,650	7,516	0	23,166
1505	Marketing	59,680	3,238,492	1,656,020	1,374,610	1,212,477	4,243,106
1506	Tourism	39,082	221,213	90,766	276,280	152,652	519,699
1507	Transportation and Freight Services	44,145	72,762	58,872	41,984	17,081	117,937
1599	Other Commerce, Management, Tourism and Services	61,208	120,356	113,095	9,321	0	122,416

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL B)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
16	Studies in Human Society	97,198	2,731,253	3,772,062	2,232,904	3,394,086	9,399,052
1601	Anthropology	12,129	136,699	117,041	73,659	16,333	207,033
1602	Criminology	30,385	157,938	97,184	110,649	127,394	335,227
1603	Demography	77,222	533,267	255,730	93,146	262,003	610,879
1604	Human Geography	11,711	100,273	129,919	43,466	72,148	245,533
1605	Policy and Administration	49,630	1,209,341	975,977	459,646	1,077,097	2,512,720
1606	Political Science	63,820	665,610	1,500,854	219,715	635,282	2,355,851
1607	Social Work	21,614	251,077	105,959	301,306	307,083	714,347
1608	Sociology	139,945	372,984	560,382	904,714	797,625	2,262,721
1699	Other Studies in Human Society	29,401	89,060	29,016	26,604	99,121	154,742
17	Psychology and Cognitive Sciences	172,815	2,710,481	2,311,216	3,091,430	2,863,882	8,266,527
1701	Psychology	136,427	1,273,655	1,250,035	1,797,317	2,219,302	5,266,653
1702	Cognitive Sciences	48,844	1,951,420	824,397	838,399	628,935	2,291,731
1799	Other Psychology and Cognitive Sciences	354,071	703,324	236,784	455,714	15,644	708,143
18	Law and Legal Studies	109,007	627,095	696,481	468,827	1,092,556	2,257,865
1801	Law	99,720	627,095	574,669	468,827	1,092,556	2,136,053
1802	Maori Law	0	0	0	0	0	0
1899	Other Law and Legal Studies	121,812	121,812	121,812	0	0	121,812
19	Studies in Creative Arts and Writing	46,505	480,195	536,558	376,229	332,514	1,245,301
1901	Art Theory and Criticism	45,111	62,809	16,764	72,893	20,323	109,980
1902	Film, Television and Digital Media	35,947	283,047	305,152	107,957	16,022	429,132
1903	Journalism and Professional Writing	575	575	0	575	0	575
1904	Performing Arts and Creative Writing	57,494	343,307	155,734	194,105	270,451	620,290
1905	Visual Arts and Crafts	5,849	74,080	58,908	699	25,719	85,325
1999	Other Studies in Creative Arts and Writing	0	0	0	0	0	0

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 3 – INDUSTRY AND OTHER RESEARCH INCOME (INTERNATIONAL B)

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
20	Language, Communication and Culture	44,120	1,174,620	1,827,050	1,433,794	1,113,004	4,373,848
2001	Communication and Media Studies	25,890	544,234	617,407	343,811	72,921	1,034,140
2002	Cultural Studies	20,456	159,045	275,956	90,505	162,749	529,210
2003	Language Studies	97,097	225,520	217,483	170,200	224,610	612,293
2004	Linguistics	201,846	359,003	472,762	375,890	284,852	1,133,503
2005	Literary Studies	25,197	708,073	241,381	453,388	367,873	1,062,642
2099	Other Language, Communication and Culture	2,060	2,060	2,060	0	0	2,060
21	History and Archaeology	45,215	256,218	370,300	333,195	183,632	887,127
2101	Archaeology	34,904	73,554	142,758	106,252	48,741	297,750
2102	Curatorial and Related Studies	129,451	135,334	57,503	159,701	41,698	258,902
2103	Historical Studies	36,959	96,763	169,009	67,242	93,194	329,445
2199	Other History and Archaeology	1,030	1,030	1,030	0	0	1,030
22	Philosophy and Religious Studies	58,398	769,207	469,967	491,228	701,207	1,662,403
2201	Applied Ethics	40,258	74,818	2,955	75,354	45,264	123,573
2202	History and Philosophy of Specific Fields	61,248	472,965	239,465	238,730	344,228	822,422
2203	Philosophy	67,346	111,348	117,463	54,583	165,650	337,696
2204	Religion and Religious Studies	37,756	221,425	110,085	122,561	146,066	378,711
2299	Other Philosophy and Religious Studies	0	0	0	0	0	0
Total				99,737,648	111,616,146	114,005,062	325,358,856

* Median and maximum income is based on total research income over the three year period.

HERDC CATEGORY 4 – CRC RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
01	Mathematical Sciences	138,698	1,816,347	1,133,122	945,848	527,122	2,606,092
0101	Pure Mathematics	0	0	0	0	0	0
0102	Applied Mathematics	160,573	319,808	379,189	403,349	233,477	1,016,016
0103	Numerical and Computational Mathematics	0	0	0	0	0	0
0104	Statistics	42,854	1,496,539	753,932	542,499	286,988	1,583,419
0105	Mathematical Physics	0	0	0	0	0	0
0199	Other Mathematical Sciences	6,657	6,657	0	0	6,657	6,657
02	Physical Sciences	69,292	2,054,059	1,541,360	894,573	441,814	2,877,746
0201	Astronomical and Space Sciences	0	0	0	0	0	0
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	1,027,030	1,027,030	703,975	323,055	0	1,027,030
0203	Classical Physics	157,319	157,319	35,639	65,342	56,338	157,319
0204	Condensed Matter Physics	89,935	316,367	97,772	156,596	385,476	639,844
0205	Optical Physics	21,152	1,027,030	703,975	349,579	0	1,053,554
0206	Quantum Physics	0	0	0	0	0	0
0299	Other Physical Sciences	0	0	0	0	0	0
03	Chemical Sciences	316,367	4,658,703	4,540,366	4,914,672	4,094,534	13,549,572
0301	Analytical Chemistry	66,470	152,439	156,384	136,084	89,280	381,747
0302	Inorganic Chemistry	316,367	316,367	71,670	131,403	113,294	316,367
0303	Macromolecular and Materials Chemistry	219,059	825,374	716,621	654,896	821,803	2,193,320
0304	Medicinal and Biomolecular Chemistry	2,903,166	2,911,667	1,765,699	2,045,903	1,994,729	5,806,331
0305	Organic Chemistry	18,636	18,636	0	0	18,636	18,636
0306	Physical Chemistry (Incl. Structural)	554,948	1,591,813	1,829,991	1,946,387	1,056,793	4,833,170
0307	Theoretical and Computational Chemistry	0	0	0	0	0	0
0399	Other Chemical Sciences	0	0	0	0	0	0
04	Earth Sciences	555,260	8,380,705	7,015,701	8,169,699	6,161,594	21,346,994
0401	Atmospheric Sciences	448,081	890,681	0	0	896,162	896,162
0402	Geochemistry	330,510	509,180	366,599	675,424	373,798	1,415,821
0403	Geology	1,082,419	2,710,646	1,776,334	1,889,039	1,256,191	4,921,564

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 4 – CRC RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
0404	Geophysics	585,652	2,378,806	841,197	1,453,474	1,279,231	3,573,903
0405	Oceanography	3,452,728	3,452,728	1,201,608	1,440,773	810,347	3,452,728
0406	Physical Geography and Environmental Geoscience	153,335	3,452,728	2,829,964	2,710,988	1,545,864	7,086,816
0499	Other Earth Sciences	0	0	0	0	0	0
05	Environmental Sciences	453,742	15,006,547	17,999,096	14,581,117	7,802,365	40,382,577
0501	Ecological Applications	304,306	6,462,107	4,767,441	4,185,784	955,743	9,908,968
0502	Environmental Science and Management	299,990	15,006,547	11,975,880	9,795,601	6,696,614	28,468,095
0503	Soil Sciences	137,119	899,177	1,255,775	599,731	150,009	2,005,515
0599	Other Environmental Sciences	0	0	0	0	0	0
06	Biological Sciences	405,650	5,894,979	6,023,863	6,527,706	4,628,164	17,179,733
0601	Biochemistry and Cell Biology	47,824	5,673,299	2,702,394	3,085,302	2,174,936	7,962,631
0602	Ecology	84,207	686,419	864,562	396,269	333,262	1,594,094
0603	Evolutionary Biology	64,425	358,614	233,854	256,005	22,363	512,222
0604	Genetics	30,228	303,516	143,352	345,878	299,078	788,308
0605	Microbiology	155,959	455,262	524,012	827,661	372,489	1,724,162
0606	Physiology	8,102	15,955	24,835	2,213	0	27,048
0607	Plant Biology	24,262	3,643,647	1,324,533	1,493,256	1,248,109	4,065,899
0608	Zoology	23,322	198,989	206,320	121,121	95,186	422,627
0699	Other Biological Sciences	82,742	82,742	0	0	82,742	82,742
07	Agricultural and Veterinary Sciences	1,037,382	12,206,005	14,705,333	13,899,062	18,063,290	46,667,685
0701	Agriculture, Land and Farm Management	312,683	5,402,926	2,145,429	1,816,747	2,083,175	6,045,351
0702	Animal Production	246,815	4,613,668	2,654,565	2,084,539	6,282,269	11,021,374
0703	Crop and Pasture Production	369,468	1,287,663	1,552,977	1,438,255	1,232,347	4,223,580
0704	Fisheries Sciences	1,413,006	5,572,919	2,849,220	3,479,390	4,134,589	10,463,200
0705	Forestry Sciences	226,406	4,617,239	4,215,604	3,772,799	1,799,288	9,787,690
0706	Horticultural Production	156,316	993,943	617,560	473,583	238,576	1,329,719
0707	Veterinary Sciences	89,368	3,074,639	576,570	833,748	2,293,046	3,703,364
0799	Other Agricultural and Veterinary Sciences	93,408	93,408	93,408	0	0	93,408

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 4 – CRC RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
08	Information and Computing Sciences	315,029	4,985,740	4,380,806	6,235,658	4,534,205	15,150,669
0801	Artificial Intelligence and Image Processing	406,275	1,680,098	1,698,406	3,273,943	1,587,124	6,559,473
0802	Computation Theory and Mathematics	92,667	162,466	60,157	63,927	61,250	185,334
0803	Computer Software	321,215	740,285	429,222	556,043	786,582	1,771,847
0804	Data Format	0	0	0	0	0	0
0805	Distributed Computing	204,183	1,132,349	616,893	478,540	456,872	1,552,305
0806	Information Systems	311,767	2,224,437	1,449,112	1,640,426	1,476,185	4,565,724
0807	Library and Information Studies	89,281	340,921	127,016	222,778	166,191	515,985
0899	Other Information and Computing Sciences	0	0	0	0	0	0
09	Engineering	1,833,080	30,812,311	34,898,813	39,376,245	34,528,154	108,803,212
0901	Aerospace Engineering	185,046	196,420	210,357	80,657	147,430	438,443
0902	Automotive Engineering	60,371	76,268	102,145	17,473	56,032	175,649
0903	Biomedical Engineering	18,549	22,065	15,033	22,065	0	37,097
0904	Chemical Engineering	520,764	2,970,374	2,716,801	3,334,681	2,028,952	8,080,434
0905	Civil Engineering	396,603	1,985,883	2,795,194	2,705,819	2,883,224	8,384,237
0906	Electrical and Electronic Engineering	251,005	3,100,262	3,072,413	2,808,544	2,799,741	8,680,698
0907	Environmental Engineering	109,608	621,409	533,655	531,207	447,657	1,512,519
0908	Food Sciences	157,319	638,409	195,874	275,339	351,505	822,718
0909	Geomatic Engineering	1,784,369	3,434,260	2,608,567	3,542,281	1,024,743	7,175,592
0910	Manufacturing Engineering	598,268	1,655,236	1,138,262	721,651	414,538	2,274,451
0911	Maritime Engineering	0	0	0	0	0	0
0912	Materials Engineering	386,841	5,368,448	7,192,546	5,755,939	7,096,694	20,045,180
0913	Mechanical Engineering	612,810	6,752,172	8,083,242	9,328,688	6,867,309	24,279,239
0914	Resources Engineering and Extractive Metallurgy	1,307,234	17,313,342	5,718,577	9,994,986	9,903,288	25,616,850
0915	Interdisciplinary Engineering	428,344	487,686	516,150	256,546	505,845	1,278,540
0999	Other Engineering	1,566	1,566	0	369	1,197	1,566

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 4 – CRC RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
10	Technology	155,423	1,332,060	638,194	1,162,909	1,089,053	2,890,156
1001	Agricultural Biotechnology	678,400	678,400	241,147	255,853	181,399	678,400
1002	Environmental Biotechnology	153,418	302,481	201,453	189,833	83,520	474,806
1003	Industrial Biotechnology	104,879	155,423	0	69,710	140,047	209,757
1004	Medical Biotechnology	657,981	1,276,402	129,103	509,360	677,499	1,315,963
1005	Communications Technologies	32,901	116,083	38,661	138,153	0	176,814
1006	Computer Hardware	27,829	27,829	27,829	0	0	27,829
1007	Nanotechnology	6,587	6,587	0	0	6,587	6,587
1099	Other Technology	0	0	0	0	0	0
11	Medical and Health Sciences	814,505	3,702,956	6,638,185	8,203,956	8,458,824	23,300,966
1101	Medical Biochemistry and Metabolomics	105,437	105,437	0	68,724	36,712	105,437
1102	Cardiovascular Medicine and Haematology	797,902	1,232,049	1,255,131	1,327,772	92,251	2,675,154
1103	Clinical Sciences	150,996	1,081,790	731,875	478,225	872,726	2,082,826
1104	Complementary and Alternative Medicine	816,772	816,772	238,425	203,673	374,674	816,772
1105	Dentistry	162,444	162,444	37,680	37,162	87,603	162,444
1106	Human Movement and Sports Science	98,660	252,056	229,350	160,332	66,591	456,273
1107	Immunology	404,301	849,908	945,885	561,246	167,961	1,675,092
1108	Medical Microbiology	186,418	354,450	120,622	149,990	102,223	372,835
1109	Neurosciences	443,240	2,982,878	15,227	1,412,027	2,452,453	3,879,706
1110	Nursing	243,276	1,585,295	500,384	841,446	821,169	2,162,999
1111	Nutrition and Dietetics	241,102	950,831	400,154	475,968	349,878	1,226,000
1112	Oncology and Carcinogenesis	4,294	4,294	1,712	2,582	0	4,294
1113	Ophthalmology and Optometry	120,383	120,383	40,402	0	79,981	120,383
1114	Paediatrics and Reproductive Medicine	292,008	503,781	182,775	286,046	115,194	584,016
1115	Pharmacology and Pharmaceutical Sciences	106,639	724,136	432,698	453,603	454,649	1,340,950
1116	Medical Physiology	0	0	0	0	0	0
1117	Public Health and Health Services	166,525	2,309,838	1,502,596	1,740,366	2,384,759	5,627,721
1199	Other Medical and Health Sciences	8,064	8,064	3,268	4,795	0	8,064

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 4 – CRC RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
12	Built Environment and Design	98,797	2,536,126	1,041,298	1,588,983	1,927,574	4,557,855
1201	Architecture	133,494	312,899	55,097	182,294	421,940	659,331
1202	Building	89,034	170,979	118,598	52,381	7,088	178,068
1203	Design Practice and Management	89,132	138,053	4,281	22,981	271,983	299,245
1204	Engineering Design	0	0	0	0	0	0
1205	Urban and Regional Planning	81,967	2,536,126	863,322	1,331,326	1,226,563	3,421,212
1299	Other Built Environment and Design	0	0	0	0	0	0
13	Education	54,008	1,282,812	291,458	659,750	1,241,851	2,193,059
1301	Education Systems	45,055	344,931	55,832	239,287	194,422	489,541
1302	Curriculum and Pedagogy	29,344	507,008	87,181	140,234	341,062	568,477
1303	Specialist Studies in Education	126,502	430,873	148,445	179,590	638,368	966,402
1399	Other Education	84,319	167,977	0	100,640	67,999	168,638
14	Economics	104,350	650,988	458,345	1,235,625	953,054	2,647,025
1401	Economic Theory	0	0	0	0	0	0
1402	Applied Economics	104,350	650,988	374,449	1,160,830	953,054	2,488,333
1403	Econometrics	0	0	0	0	0	0
1499	Other Economics	158,692	158,692	83,896	74,796	0	158,692
15	Commerce, Management, Tourism and Services	364,950	1,588,731	2,165,931	2,557,846	2,319,635	7,043,411
1501	Accounting, Auditing and Accountability	21,663	57,461	47,347	16,641	20,126	84,115
1502	Banking, Finance and Investment	417,459	1,442,294	802,796	877,745	826,589	2,507,130
1503	Business and Management	298,593	1,460,547	565,938	1,192,103	1,105,417	2,863,458
1504	Commercial Services	0	0	0	0	0	0
1505	Marketing	393,447	490,432	478,110	282,411	313,889	1,074,409
1506	Tourism	80,661	253,044	271,740	129,153	30,042	430,935
1507	Transportation and Freight Services	70,394	70,394	0	59,792	10,602	70,394
1599	Other Commerce, Management, Tourism and Services	12,969	12,969	0	0	12,969	12,969

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 4 – CRC RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
16	Studies in Human Society	202,091	1,759,519	2,111,270	2,400,766	3,193,704	7,705,740
1601	Anthropology	415,583	729,379	313,112	288,122	229,931	831,165
1602	Criminology	0	0	0	0	0	0
1603	Demography	91,062	91,062	29,528	26,331	35,203	91,062
1604	Human Geography	111,030	475,416	133,011	225,729	252,349	611,089
1605	Policy and Administration	199,265	839,908	645,931	587,057	754,901	1,987,890
1606	Political Science	49,929	49,929	0	0	49,929	49,929
1607	Social Work	38,181	93,280	30,834	131,579	105,785	268,199
1608	Sociology	204,220	1,109,861	958,855	1,141,947	1,765,606	3,866,408
1699	Other Studies in Human Society	0	0	0	0	0	0
17	Psychology and Cognitive Sciences	154,013	1,186,587	1,103,466	1,696,662	2,348,174	5,148,302
1701	Psychology	124,732	1,186,587	859,962	1,444,559	1,218,465	3,522,986
1702	Cognitive Sciences	68,347	120,814	11,684	47,553	77,456	136,694
1799	Other Psychology and Cognitive Sciences	744,311	843,297	231,819	204,550	1,052,253	1,488,622
18	Law and Legal Studies	28,037	249,599	52,679	271,138	223,818	547,634
1801	Law	28,037	249,599	52,679	271,138	223,818	547,634
1802	Maori Law	0	0	0	0	0	0
1899	Other Law and Legal Studies	0	0	0	0	0	0
19	Studies in Creative Arts and Writing	27,829	149,630	27,829	105,523	146,569	279,922
1901	Art Theory and Criticism	0	0	0	0	0	0
1902	Film, Television and Digital Media	122,266	149,630	0	104,362	140,171	244,532
1903	Journalism and Professional Writing	27,829	27,829	27,829	0	0	27,829
1904	Performing Arts and Creative Writing	3,780	6,399	0	1,161	6,399	7,560
1905	Visual Arts and Crafts	0	0	0	0	0	0
1999	Other Studies in Creative Arts and Writing	0	0	0	0	0	0

* Median and maximum income is based on total research income over the three year period.

Continued

HERDC CATEGORY 4 – CRC RESEARCH INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
20	Language, Communication and Culture	149,630	1,997,157	713,260	1,324,317	1,668,381	3,705,958
2001	Communication and Media Studies	149,630	527,508	368,121	414,166	600,126	1,382,414
2002	Cultural Studies	23,622	114,542	4,281	110,817	78,677	193,775
2003	Language Studies	0	0	0	0	0	0
2004	Linguistics	1,064,304	1,997,157	340,858	798,173	989,577	2,128,608
2005	Literary Studies	1,161	1,161	0	1,161	0	1,161
2099	Other Language, Communication and Culture	0	0	0	0	0	0
21	History and Archaeology	11,613	15,054	0	11,613	23,865	35,478
2101	Archaeology	1,161	1,161	0	1,161	0	1,161
2102	Curatorial and Related Studies	1,161	1,161	0	1,161	0	1,161
2103	Historical Studies	9,290	15,054	0	9,290	23,865	33,155
2199	Other History and Archaeology	0	0	0	0	0	0
22	Philosophy and Religious Studies	22,243	22,243	15,276	6,968	0	22,243
2201	Applied Ethics	16,437	16,437	15,276	1,161	0	16,437
2202	History and Philosophy of Specific Fields	2,323	2,323	0	2,323	0	2,323
2203	Philosophy	2,323	2,323	0	2,323	0	2,323
2204	Religion and Religious Studies	1,161	1,161	0	1,161	0	1,161
2299	Other Philosophy and Religious Studies	0	0	0	0	0	0
Total				107,495,651	116,770,633	104,375,744	328,642,028

* Median and maximum income is based on total research income over the three year period.

STAFFING PROFILE

FoR Code	FoR Name	FTE						Headcount			
		Level E	Level D	Level C	Level B	Level A	Other FTE	Total	FTE	Casual	Other Appointment
01	Mathematical Sciences	151.8	142.0	191.5	280.3	130.5	26.4	922.6	963.4	110.4	233.4
0101	Pure Mathematics	39.7	38.2	41.5	66.4	52.9	2.8	241.5	249.2	16.5	70.1
0102	Applied Mathematics	49.3	42.2	51.0	72.9	23.0	7.2	245.7	256.3	33.3	48.9
0103	Numerical and Computational Mathematics	10.0	13.2	24.0	22.8	13.5	3.1	86.5	89.6	8.8	14.8
0104	Statistics	34.8	34.6	44.3	69.6	16.7	7.8	207.8	219.8	18.2	55.1
0105	Mathematical Physics	11.6	8.2	11.9	13.7	8.4	2.9	56.6	57.7	5.4	20.7
0199	Other Mathematical Sciences	6.5	5.5	18.8	35.0	16.1	2.7	84.5	90.9	28.2	23.8
02	Physical Sciences	166.0	138.8	190.4	275.6	277.2	100.8	1,148.8	1,194.1	193.9	249.1
0201	Astronomical and Space Sciences	47.3	32.0	53.8	73.9	74.5	22.0	303.6	316.3	38.3	69.9
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	24.0	16.6	24.4	28.2	37.4	17.8	148.4	155.0	34.0	35.2
0203	Classical Physics	7.4	5.9	4.6	12.1	12.4	10.5	52.9	56.1	11.4	13.5
0204	Condensed Matter Physics	38.9	23.0	25.5	45.5	30.1	15.6	178.5	185.2	28.6	35.6
0205	Optical Physics	22.6	33.7	31.9	50.9	67.3	13.3	219.6	227.5	44.0	34.0
0206	Quantum Physics	16.4	17.5	25.3	40.0	27.5	3.6	130.4	133.2	20.8	13.1
0299	Other Physical Sciences	9.4	10.2	24.8	24.9	27.9	18.0	115.3	120.9	17.0	47.8
03	Chemical Sciences	177.9	132.5	197.2	270.3	363.8	192.1	1,333.9	1,390.7	251.1	275.1
0301	Analytical Chemistry	22.4	19.1	31.4	31.7	35.2	27.8	167.6	175.8	28.9	38.6
0302	Inorganic Chemistry	22.4	20.6	20.0	22.8	34.3	24.7	144.9	151.2	33.3	40.6
0303	Macromolecular and Materials Chemistry	18.9	11.5	21.7	36.6	49.0	19.1	156.7	162.8	23.5	23.7
0304	Medicinal and Biomolecular Chemistry	26.3	25.2	28.0	55.6	86.0	42.8	263.9	272.3	39.8	57.0
0305	Organic Chemistry	18.4	19.8	24.1	32.9	57.4	18.9	171.6	178.9	52.8	33.2
0306	Physical Chemistry (Incl. Structural)	46.3	26.8	41.3	46.0	50.3	20.3	231.1	240.0	28.9	48.5
0307	Theoretical and Computational Chemistry	14.6	4.9	10.5	18.8	11.8	10.3	71.0	73.5	10.2	9.7
0399	Other Chemical Sciences	8.6	4.5	20.2	26.0	39.7	28.2	127.2	136.1	33.8	23.8
04	Earth Sciences	150.4	118.4	166.8	271.4	179.8	93.7	980.5	1,045.7	92.2	344.4
0401	Atmospheric Sciences	18.3	11.4	14.5	31.2	35.8	7.8	119.1	125.9	11.4	36.9
0402	Geochemistry	25.1	15.0	22.1	36.0	26.2	17.0	141.3	148.0	9.7	34.1
0403	Geology	49.4	36.0	48.5	61.5	33.8	21.8	251.0	269.1	18.4	109.6

Continued

STAFFING PROFILE

FoR Code	FoR Name	FTE						Headcount			
		Level E	Level D	Level C	Level B	Level A	Other FTE	Total	FTE	Casual	Appointment
0404	Geophysics	10.8	17.9	10.3	32.9	18.1	6.8	96.8	104.2	4.3	20.5
0405	Oceanography	14.0	13.5	15.8	29.7	25.5	9.7	108.2	113.8	12.8	36.8
0406	Physical Geography and Environmental Geoscience	27.0	20.5	52.1	62.4	23.5	21.0	206.5	221.1	29.3	84.1
0499	Other Earth Sciences	5.9	4.2	3.6	17.7	16.9	9.5	57.7	63.7	6.4	22.5
05	Environmental Sciences	113.9	90.2	160.0	213.4	160.5	90.2	828.2	899.6	142.4	304.7
0501	Ecological Applications	16.4	12.3	27.6	31.0	32.6	22.2	142.2	153.7	25.6	39.3
0502	Environmental Science and Management	79.2	64.4	99.0	130.7	76.9	49.4	499.5	545.0	79.7	192.5
0503	Soil Sciences	14.5	10.8	23.6	25.2	32.4	8.0	114.4	122.1	21.4	43.7
0599	Other Environmental Sciences	3.7	2.8	9.8	26.5	18.6	10.6	72.0	78.8	15.7	29.2
06	Biological Sciences	377.2	323.6	454.5	729.8	919.3	489.5	3,294.0	3,519.1	479.6	1,099.4
0601	Biochemistry and Cell Biology	99.1	86.0	124.0	200.5	252.0	169.9	931.4	984.3	111.7	317.8
0602	Ecology	61.7	50.8	54.9	94.8	107.6	45.5	415.2	443.5	88.2	145.4
0603	Evolutionary Biology	26.8	21.7	33.1	45.7	53.9	29.6	210.7	221.2	30.9	69.5
0604	Genetics	38.2	34.1	37.2	71.4	79.4	51.9	312.2	335.4	49.3	138.9
0605	Microbiology	36.6	30.8	55.0	76.1	95.3	48.4	342.2	369.8	46.4	100.2
0606	Physiology	13.9	11.9	21.5	30.2	45.7	24.2	147.3	157.5	21.4	55.8
0607	Plant Biology	49.1	38.7	54.9	99.5	123.5	53.3	419.1	447.8	44.1	86.2
0608	Zoology	45.6	42.1	51.9	77.2	78.5	44.1	339.4	367.3	68.0	148.7
0699	Other Biological Sciences	6.3	7.5	22.0	34.4	83.6	22.7	176.5	192.2	19.6	36.9
07	Agricultural and Veterinary Sciences	146.0	173.9	269.0	312.0	221.9	164.7	1,287.5	1,399.8	151.3	419.6
0701	Agriculture, Land and Farm Management	12.6	13.8	19.7	36.0	12.4	10.0	104.4	115.2	12.4	33.6
0702	Animal Production	18.9	25.3	38.6	36.7	26.5	9.7	155.8	170.5	14.2	55.5
0703	Crop and Pasture Production	34.3	32.6	46.7	58.1	48.7	34.1	254.4	277.3	20.7	86.3
0704	Fisheries Sciences	15.0	21.2	32.7	42.4	21.7	45.4	178.5	188.9	22.8	50.1
0705	Forestry Sciences	14.0	13.6	18.5	15.1	16.6	15.0	92.9	102.1	19.4	47.8
0706	Horticultural Production	11.6	10.6	21.3	23.1	24.6	12.2	103.4	115.5	13.9	33.1
0707	Veterinary Sciences	36.0	50.0	83.9	66.7	36.5	21.7	294.8	313.8	32.6	91.7
0799	Other Agricultural and Veterinary Sciences	3.6	6.7	7.6	33.9	35.0	16.6	103.3	116.5	15.2	21.5

Continued

STAFFING PROFILE

FoR Code	FoR Name	FTE							Headcount			
		Level E	Level D	Level C	Level B	Level A	Other FTE	Total	FTE	Casual	Appointment	Other
08	Information and Computing Sciences	238.6	223.8	431.6	522.5	164.0	169.1	1,749.6	1,833.6	332.5	421.2	
0801	Artificial Intelligence and Image Processing	83.0	80.5	124.4	155.1	55.7	25.1	523.7	540.0	118.5	118.6	
0802	Computation Theory and Mathematics	14.4	10.9	20.8	23.6	19.4	2.9	92.0	99.3	14.6	28.2	
0803	Computer Software	30.3	21.8	41.6	48.3	13.4	22.7	178.1	188.8	28.9	66.9	
0804	Data Format	3.5	5.7	10.8	14.5	6.2	3.0	43.7	47.1	8.4	11.9	
0805	Distributed Computing	24.3	17.3	39.8	38.5	10.4	23.0	153.3	160.3	29.0	29.6	
0806	Information Systems	66.1	64.5	119.9	127.7	24.4	20.2	422.8	441.5	68.9	98.0	
0807	Library and Information Studies	10.9	10.1	29.3	41.6	9.6	57.7	159.2	169.3	11.5	36.6	
0899	Other Information and Computing Sciences	6.1	13.1	44.9	73.3	24.9	14.6	176.9	187.3	52.9	31.3	
09	Engineering	584.2	423.6	732.1	963.8	647.7	359.9	3,711.3	3,891.2	920.2	740.6	
0901	Aerospace Engineering	7.7	6.1	13.1	14.8	15.8	5.3	62.9	66.0	12.2	10.5	
0902	Automotive Engineering	2.6	3.3	9.0	7.8	10.2	5.6	38.3	40.3	7.5	8.2	
0903	Biomedical Engineering	32.5	22.9	40.0	57.7	56.4	29.2	238.7	254.0	37.1	58.9	
0904	Chemical Engineering	63.2	38.2	43.0	90.0	80.4	41.7	356.6	377.1	94.6	88.1	
0905	Civil Engineering	96.9	62.0	119.3	133.5	78.1	34.1	523.9	549.7	140.0	86.7	
0906	Electrical and Electronic Engineering	108.4	81.6	132.1	181.0	70.6	46.2	619.8	642.8	212.6	138.1	
0907	Environmental Engineering	21.4	10.7	33.7	34.2	28.0	13.4	141.2	150.4	26.2	26.5	
0908	Food Sciences	9.6	13.0	26.1	30.2	17.2	12.9	109.0	114.4	14.2	29.1	
0909	Geomatic Engineering	14.6	12.4	20.0	27.6	18.9	11.1	104.6	108.6	15.4	21.2	
0910	Manufacturing Engineering	12.2	8.3	21.6	25.4	10.3	8.7	86.5	90.4	27.8	13.2	
0911	Maritime Engineering	6.5	3.6	8.7	20.1	10.4	11.8	61.1	62.6	20.1	12.4	
0912	Materials Engineering	66.3	46.9	75.8	92.8	86.1	49.8	417.7	433.5	65.9	90.3	
0913	Mechanical Engineering	67.5	58.2	68.5	97.2	58.2	32.4	382.0	393.6	101.8	60.0	
0914	Resources Engineering and Extractive Metallurgy	49.9	29.3	45.0	39.3	38.2	23.1	224.8	241.1	25.3	37.0	
0915	Interdisciplinary Engineering	13.2	12.6	32.1	27.4	18.5	8.0	111.8	116.7	30.5	23.2	
0999	Other Engineering	11.8	14.6	44.1	84.9	50.5	26.5	232.4	250.0	89.1	37.3	

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STAFFING PROFILE

FoR Code	FoR Name	FTE							Headcount			
		Level E	Level D	Level C	Level B	Level A	Other FTE	Total	FTE	Casual	Appointment	Other
10	Technology	59.0	50.9	129.8	219.0	142.8	68.9	670.5	709.1	75.4	107.6	
1001	Agricultural Biotechnology	9.4	5.3	8.8	12.9	8.2	8.7	53.2	58.7	7.1	13.2	
1002	Environmental Biotechnology	1.9	1.3	4.5	8.9	8.7	2.3	27.5	29.8	5.3	19.1	
1003	Industrial Biotechnology	3.6	1.8	4.0	7.8	5.3	10.0	32.5	33.3	5.3	2.9	
1004	Medical Biotechnology	6.4	10.0	32.7	63.9	29.0	21.7	163.6	176.1	6.2	22.9	
1005	Communications Technologies	15.4	14.7	25.3	28.7	15.7	8.1	107.9	110.0	20.0	26.7	
1006	Computer Hardware	2.0	3.3	8.0	6.1	4.2	0.8	24.4	25.6	3.6	2.8	
1007	Nanotechnology	14.8	8.6	14.5	22.4	34.7	9.0	104.0	107.9	10.1	10.1	
1099	Other Technology	5.6	6.0	32.1	68.3	37.2	8.3	157.5	167.7	17.8	10.0	
11	Medical and Health Sciences	1,409.6	1,132.7	1,896.9	2,716.9	1,457.3	1,175.4	9,788.8	11,363.6	1,386.9	6,016.9	
1101	Medical Biochemistry and Metabolomics	11.1	14.3	22.4	31.4	42.7	27.9	149.8	165.0	25.8	58.3	
1102	Cardiovascular Medicine and Haematology	54.3	33.7	46.9	57.6	47.8	52.7	292.9	337.1	52.6	429.7	
1103	Clinical Sciences	312.6	252.7	362.6	420.3	230.4	267.7	1,846.4	2,234.6	345.2	1,990.8	
1104	Complementary and Alternative Medicine	9.7	17.9	33.8	45.7	16.5	11.2	134.9	156.2	22.4	40.1	
1105	Dentistry	31.2	34.4	41.5	37.1	23.6	11.3	179.1	221.8	31.5	46.4	
1106	Human Movement and Sports Science	65.5	64.1	114.2	185.5	41.2	29.9	500.4	554.4	57.4	121.9	
1107	Immunology	55.2	26.2	56.5	71.4	74.2	68.3	351.8	389.0	62.7	237.8	
1108	Medical Microbiology	32.4	24.3	29.0	60.4	67.9	30.7	244.7	270.4	24.9	116.8	
1109	Neurosciences	81.8	69.0	105.7	130.1	141.5	70.5	598.6	657.8	90.7	297.5	
1110	Nursing	124.2	92.7	180.6	396.0	49.4	33.6	876.4	975.3	60.8	198.0	
1111	Nutrition and Dietetics	27.8	26.7	41.0	56.3	22.2	18.8	192.7	227.7	17.2	54.2	
1112	Oncology and Carcinogenesis	56.8	39.4	58.8	92.6	80.6	68.1	396.3	452.4	57.4	482.2	
1113	Ophthalmology and Optometry	29.3	18.6	28.4	51.2	37.7	36.1	201.2	236.0	35.9	135.8	
1114	Paediatrics and Reproductive Medicine	71.1	39.7	55.3	65.8	48.7	59.9	340.6	407.1	89.5	473.2	
1115	Pharmacology and Pharmaceutical Sciences	64.8	48.9	104.9	119.4	72.8	80.4	491.2	542.0	88.8	167.1	
1116	Medical Physiology	27.8	15.6	36.5	42.5	46.5	26.9	195.7	216.3	26.5	69.2	
1117	Public Health and Health Services	307.0	264.6	436.2	565.7	187.9	224.6	1,986.1	2,373.9	220.3	904.1	
1199	Other Medical and Health Sciences	47.0	49.8	142.6	288.1	225.8	56.6	810.1	946.6	77.3	193.8	

Continued

STAFFING PROFILE

FoR Code	FoR Name	FTE						Headcount				
		Level E	Level D	Level C	Level B	Level A	Other FTE	Total	FTE	Casual	Appointment	Other
12	Built Environment and Design	137.3	145.4	310.7	361.1	105.5	49.6	1,109.6	1,206.0	133.9	138.6	
1201	Architecture	45.2	43.2	90.6	99.3	22.3	13.7	314.3	343.7	35.1	32.6	
1202	Building	19.9	24.2	51.7	43.0	9.4	3.8	152.0	158.4	24.9	25.6	
1203	Design Practice and Management	21.5	29.5	69.5	87.7	22.9	9.5	240.6	253.6	13.8	13.7	
1204	Engineering Design	1.0	0.7	2.8	1.9	5.8	1.4	13.6	14.4	0.5	1.3	
1205	Urban and Regional Planning	45.0	42.7	63.8	73.3	22.6	15.6	263.1	294.3	36.8	54.7	
1299	Other Built Environment and Design	4.6	5.1	32.2	55.9	22.5	5.7	125.9	141.6	22.8	10.7	
13	Education	284.1	371.7	819.2	1,024.3	201.8	237.6	2,938.7	3,160.9	274.9	467.9	
1301	Education Systems	61.4	71.5	167.1	190.5	34.3	63.6	588.3	627.6	56.1	100.2	
1302	Curriculum and Pedagogy	86.1	127.2	264.6	316.4	55.3	53.7	903.3	979.3	80.9	139.1	
1303	Specialist Studies in Education	124.1	151.9	314.9	325.6	56.6	76.5	1,049.7	1,116.5	99.7	184.6	
1399	Other Education	12.5	21.1	72.6	191.7	55.6	43.9	397.4	437.5	38.2	44.1	
14	Economics	205.2	129.4	237.3	290.1	53.1	32.1	947.3	990.5	64.2	138.4	
1401	Economic Theory	21.9	15.7	35.5	26.9	6.0	1.8	107.8	112.2	4.9	12.7	
1402	Applied Economics	151.8	88.3	154.6	177.2	25.1	14.5	611.5	637.9	41.4	92.6	
1403	Econometrics	24.3	13.8	21.1	30.9	5.0	5.6	100.7	105.0	3.3	13.2	
1499	Other Economics	7.3	11.6	26.1	55.1	17.0	10.2	127.3	135.4	14.7	19.9	
15	Commerce, Management, Tourism and Services	498.3	420.6	874.2	1,063.8	201.1	117.4	3,175.4	3,302.4	258.0	346.6	
1501	Accounting, Auditing and Accountability	99.3	75.6	127.4	212.2	45.6	16.8	576.9	597.2	17.3	47.6	
1502	Banking, Finance and Investment	68.8	56.1	126.5	149.1	18.3	9.3	428.1	438.7	38.6	30.5	
1503	Business and Management	203.4	158.0	310.3	264.2	46.8	47.8	1,030.6	1,072.4	84.3	134.6	
1504	Commercial Services	16.0	17.5	31.3	46.1	13.9	4.1	129.0	134.7	15.2	16.0	
1505	Marketing	66.8	59.5	125.7	149.7	22.3	16.9	441.0	461.3	29.5	46.6	
1506	Tourism	22.9	26.9	57.4	70.2	7.2	7.6	192.2	203.8	18.2	29.8	
1507	Transportation and Freight Services	7.8	10.4	14.2	23.3	6.9	4.1	66.6	69.5	9.9	11.3	
1599	Other Commerce, Management, Tourism and Services	13.2	16.5	81.4	149.1	40.1	10.8	311.2	324.9	45.1	30.1	

Continued

STAFFING PROFILE

FoR Code	FoR Name	FTE						Headcount				
		Level E	Level D	Level C	Level B	Level A	Other FTE	Total	FTE	Casual	Appointment	Other
16	Studies in Human Society	384.5	328.7	603.9	772.0	199.4	123.4	2,411.9	2,612.5	336.7	580.5	
1601	Anthropology	21.6	27.8	48.6	69.9	21.3	4.8	193.9	206.6	27.1	66.5	
1602	Criminology	38.5	18.0	54.9	72.7	14.3	7.6	206.1	222.3	16.7	38.9	
1603	Demography	5.3	7.5	10.1	20.3	5.7	4.1	53.0	57.4	6.6	18.0	
1604	Human Geography	25.1	26.2	45.8	63.9	16.2	10.9	188.1	201.4	18.8	49.0	
1605	Policy and Administration	63.4	47.0	75.1	88.3	23.0	18.2	314.9	350.9	37.7	86.4	
1606	Political Science	101.2	82.4	129.5	146.8	34.3	11.5	505.7	531.3	83.4	103.4	
1607	Social Work	32.4	35.2	78.4	84.5	16.2	15.8	262.5	292.3	32.3	64.2	
1608	Sociology	80.5	67.7	118.5	137.4	41.3	31.3	476.7	511.6	58.8	100.4	
1699	Other Studies in Human Society	16.3	17.0	42.9	88.3	27.3	19.2	211.1	238.8	55.2	53.7	
17	Psychology and Cognitive Sciences	216.3	197.6	323.1	393.2	196.4	94.9	1,421.5	1,576.9	232.7	401.1	
1701	Psychology	188.7	172.2	264.1	296.5	137.2	77.2	1,135.9	1,261.3	192.6	330.6	
1702	Cognitive Sciences	19.5	13.9	28.8	46.7	25.9	5.9	140.6	150.5	11.8	33.9	
1799	Other Psychology and Cognitive Sciences	8.1	11.5	30.2	50.0	33.3	11.8	145.0	165.1	28.2	36.6	
18	Law and Legal Studies	279.8	208.1	341.6	393.2	82.6	33.8	1,339.2	1,430.2	134.4	215.4	
1801	Law	272.1	204.1	320.5	352.1	63.4	31.1	1,243.2	1,327.1	129.2	207.0	
1802	Maori Law	0.0	0.0	0.2	0.0	1.0	1.0	2.2	2.3	0.0	1.0	
1899	Other Law and Legal Studies	7.7	4.0	21.0	41.1	18.3	1.7	93.8	100.9	5.2	7.4	
19	Studies in Creative Arts and Writing	132.6	167.6	450.7	619.3	125.1	61.8	1,557.1	1,721.7	279.6	258.8	
1901	Art Theory and Criticism	15.5	12.9	38.1	27.6	7.1	8.6	109.9	118.3	19.0	40.8	
1902	Film, Television and Digital Media	16.0	35.4	82.5	116.9	17.7	10.5	279.2	296.8	33.9	25.7	
1903	Journalism and Professional Writing	11.2	12.8	35.2	41.6	5.1	2.7	108.6	115.7	7.1	9.0	
1904	Performing Arts and Creative Writing	61.6	73.3	181.0	226.3	49.7	13.0	604.8	664.8	147.1	118.7	
1905	Visual Arts and Crafts	23.2	30.4	94.9	158.5	31.1	19.4	357.5	409.6	44.7	58.7	
1999	Other Studies in Creative Arts and Writing	5.0	2.9	18.9	48.4	14.4	7.5	97.1	116.4	27.8	5.8	

Continued

STAFFING PROFILE

FoR Code	FoR Name	FTE						Headcount			
		Level E	Level D	Level C	Level B	Level A	Other FTE	Total	FTE	Casual	Other Appointment
20	Language, Communication and Culture	184.5	187.5	417.5	577.4	135.5	72.5	1,574.9	1,691.1	215.5	405.8
2001	Communication and Media Studies	33.2	40.3	74.8	104.4	12.7	9.6	275.0	292.8	31.5	36.5
2002	Cultural Studies	46.9	57.7	92.7	113.4	21.8	17.9	350.4	375.6	51.8	79.5
2003	Language Studies	8.2	8.4	40.4	69.2	18.8	8.7	153.7	163.3	24.0	46.9
2004	Linguistics	30.9	32.7	89.4	103.5	42.6	5.7	304.8	329.7	35.1	83.6
2005	Literary Studies	59.2	44.1	95.2	107.5	19.3	19.6	345.0	365.5	46.8	141.2
2099	Other Language, Communication and Culture	6.1	4.4	25.0	79.4	20.1	11.0	146.0	164.1	26.3	18.2
21	History and Archaeology	142.5	118.4	206.4	205.7	62.3	38.4	773.6	819.4	119.9	448.6
2101	Archaeology	26.5	21.0	38.2	33.2	15.6	10.3	144.7	152.7	31.2	92.2
2102	Curatorial and Related Studies	5.0	6.3	14.3	12.8	3.4	3.3	45.2	48.8	8.0	13.1
2103	Historical Studies	109.5	88.5	147.2	146.1	33.1	19.1	543.5	569.8	74.8	335.7
2199	Other History and Archaeology	1.5	2.5	6.7	13.6	10.2	5.7	40.3	48.1	6.0	7.7
22	Philosophy and Religious Studies	102.7	73.0	163.2	182.0	53.6	42.3	616.8	679.6	71.5	307.3
2201	Applied Ethics	13.8	10.9	23.0	38.8	7.4	6.7	100.5	111.2	10.6	35.1
2202	History and Philosophy of Specific Fields	14.2	11.2	27.6	20.6	8.9	4.3	86.8	92.2	15.1	43.3
2203	Philosophy	35.5	29.2	54.8	53.9	22.8	5.5	201.6	217.8	28.2	65.7
2204	Religion and Religious Studies	35.8	19.5	52.7	63.6	9.7	8.6	190.0	215.6	13.1	154.2
2299	Other Philosophy and Religious Studies	3.4	2.1	5.1	5.2	4.9	17.2	38.0	42.7	4.4	9.0
Total		6,142.6	5,298.4	9,567.7	12,657.1	6,081.3	3,834.6	43,581.8	47,401.0	6,257.0	13,921.0

ESTEEM

FoR Code	FoR Name	Editor of a Prestigious Work of Reference	Membership of a Learned Academy or Membership of AIATSIS	Recipient of a Nationally Competitive Research Fellowship (Category 1)	Membership of a Statutory Committee	Recipient of an Australia Council Grant or Fellowship	Total	% of Total
01	Mathematical Sciences	-	35.9	111.4	-	-	147.2	3.0
0101	Pure Mathematics	-	20.9	46.3	-	-	67.2	1.4
0102	Applied Mathematics	-	6.0	32.0	-	-	38.0	0.8
0103	Numerical and Computational Mathematics	-	0.9	4.9	-	-	5.8	0.1
0104	Statistics	-	3.2	17.0	-	-	20.2	0.4
0105	Mathematical Physics	-	4.8	10.3	-	-	15.1	0.3
0199	Other Mathematical Sciences	-	0.0	1.0	-	-	1.0	0.0
02	Physical Sciences	-	55.4	188.5	-	-	243.9	4.9
0201	Astronomical and Space Sciences	-	15.2	44.2	-	-	59.4	1.2
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	-	9.2	23.0	-	-	32.2	0.7
0203	Classical Physics	-	2.1	5.4	-	-	7.5	0.2
0204	Condensed Matter Physics	-	12.0	35.0	-	-	47.0	1.0
0205	Optical Physics	-	8.2	45.9	-	-	54.1	1.1
0206	Quantum Physics	-	7.2	32.1	-	-	39.3	0.8
0299	Other Physical Sciences	-	1.5	2.8	-	-	4.3	0.1
03	Chemical Sciences	-	47.0	162.5	-	-	209.5	4.2
0301	Analytical Chemistry	-	1.6	14.4	-	-	16.0	0.3
0302	Inorganic Chemistry	-	9.5	19.4	-	-	28.9	0.6
0303	Macromolecular and Materials Chemistry	-	6.4	38.5	-	-	44.9	0.9
0304	Medicinal and Biomolecular Chemistry	-	7.2	31.3	-	-	38.5	0.8
0305	Organic Chemistry	-	9.3	9.5	-	-	18.8	0.4
0306	Physical Chemistry (Incl. Structural)	-	9.7	37.9	-	-	47.6	1.0
0307	Theoretical and Computational Chemistry	-	3.3	9.6	-	-	13.0	0.3
0399	Other Chemical Sciences	-	0.0	1.9	-	-	1.9	0.0

Continued

ESTEEM

For Code	For Name	Editor of a Prestigious Work of Reference	Membership of a Learned Academy or Membership of AIATSIS	Recipient of a Nationally Competitive Research Fellowship (Category 1)	Membership of a Statutory Committee	Recipient of an Australia Council Grant or Fellowship	Total	% of Total
04	Earth Sciences	–	26.7	91.7	–	–	118.4	2.4
0401	Atmospheric Sciences	–	4.2	9.1	–	–	13.3	0.3
0402	Geochemistry	–	4.1	19.3	–	–	23.4	0.5
0403	Geology	–	8.3	31.7	–	–	40.0	0.8
0404	Geophysics	–	3.3	5.4	–	–	8.7	0.2
0405	Oceanography	–	3.0	14.6	–	–	17.6	0.4
0406	Physical Geography and Environmental Geoscience	–	3.7	11.6	–	–	15.3	0.3
0499	Other Earth Sciences	–	0.1	0.0	–	–	0.1	0.0
05	Environmental Sciences	–	21.4	61.8	–	–	83.2	1.7
0501	Ecological Applications	–	4.3	12.9	–	–	17.3	0.3
0502	Environmental Science and Management	–	11.9	43.3	–	–	55.2	1.1
0503	Soil Sciences	–	4.7	5.6	–	–	10.3	0.2
0599	Other Environmental Sciences	–	0.5	0.0	–	–	0.5	0.0
06	Biological Sciences	–	80.0	440.5	–	–	520.5	10.5
0601	Biochemistry and Cell Biology	–	24.2	175.6	–	–	199.8	4.0
0602	Ecology	–	6.6	44.6	–	–	51.2	1.0
0603	Evolutionary Biology	–	8.5	43.7	–	–	52.1	1.1
0604	Genetics	–	9.7	68.9	–	–	78.7	1.6
0605	Microbiology	–	6.2	33.2	–	–	39.4	0.8
0606	Physiology	–	2.2	9.7	–	–	11.9	0.2
0607	Plant Biology	–	15.2	37.6	–	–	52.8	1.1
0608	Zoology	–	7.5	25.6	–	–	33.2	0.7
0699	Other Biological Sciences	–	0.0	1.5	–	–	1.5	0.0

Continued

ESTEEM

FoR Code	FoR Name	Editor of a Prestigious Work of Reference	Membership of a Learned Academy or Membership of AIATSIS	Recipient of a Nationally Competitive Research Fellowship (Category 1)	Membership of a Statutory Committee	Recipient of an Australia Council Grant or Fellowship	Total	% of Total
07	Agricultural and Veterinary Sciences	-	19.9	13.3	-	-	33.2	0.7
0701	Agriculture, Land and Farm Management	-	1.2	2.3	-	-	3.5	0.1
0702	Animal Production	-	0.5	0.1	-	-	0.6	0.0
0703	Crop and Pasture Production	-	12.2	2.8	-	-	15.0	0.3
0704	Fisheries Sciences	-	0.4	1.9	-	-	2.3	0.0
0705	Forestry Sciences	-	1.9	3.0	-	-	4.9	0.1
0706	Horticultural Production	-	0.7	0.3	-	-	1.0	0.0
0707	Veterinary Sciences	-	3.0	2.9	-	-	5.9	0.1
0799	Other Agricultural and Veterinary Sciences	-	0.0	0.0	-	-	0.0	0.0
08	Information and Computing Sciences	-	21.1	67.9	-	-	89.1	1.8
0801	Artificial Intelligence and Image Processing	-	11.2	29.8	-	-	41.0	0.8
0802	Computation Theory and Mathematics	-	1.7	9.8	-	-	11.5	0.2
0803	Computer Software	-	2.3	2.3	-	-	4.6	0.1
0804	Data Format	-	0.0	1.0	-	-	1.0	0.0
0805	Distributed Computing	-	1.2	2.6	-	-	3.8	0.1
0806	Information Systems	-	4.5	21.5	-	-	26.0	0.5
0807	Library and Information Studies	-	0.2	1.0	-	-	1.2	0.0
0899	Other Information and Computing Sciences	-	0.0	0.0	-	-	0.0	0.0
09	Engineering	-	114.3	198.6	-	-	312.9	6.3
0901	Aerospace Engineering	-	0.5	0.0	-	-	0.5	0.0
0902	Automotive Engineering	-	1.5	1.0	-	-	2.5	0.1
0903	Biomedical Engineering	-	6.0	21.0	-	-	27.0	0.5
0904	Chemical Engineering	-	20.1	30.7	-	-	50.8	1.0
0905	Civil Engineering	-	16.9	23.2	-	-	40.1	0.8
0906	Electrical and Electronic Engineering	-	22.7	39.2	-	-	61.9	1.3

Continued

ESTEEM

FoR Code	FoR Name	Editor of a Prestigious Work of Reference	Membership of a Learned Academy or Membership of AIATSIS	Recipient of a Nationally Competitive Research Fellowship (Category 1)	Membership of a Statutory Committee	Recipient of an Australia Council Grant or Fellowship	Total	% of Total
0907	Environmental Engineering	–	1.3	4.6	–	–	5.9	0.1
0908	Food Sciences	–	0.5	0.0	–	–	0.5	0.0
0909	Geomatic Engineering	–	2.1	2.5	–	–	4.6	0.1
0910	Manufacturing Engineering	–	3.1	1.2	–	–	4.3	0.1
0911	Maritime Engineering	–	0.0	0.2	–	–	0.2	0.0
0912	Materials Engineering	–	14.6	45.5	–	–	60.1	1.2
0913	Mechanical Engineering	–	10.7	19.7	–	–	30.4	0.6
0914	Resources Engineering and Extractive Metallurgy	–	14.1	7.6	–	–	21.7	0.4
0915	Interdisciplinary Engineering	–	0.3	2.1	–	–	2.3	0.0
0999	Other Engineering	–	0.0	0.0	–	–	0.0	0.0
10	Technology	–	9.9	32.1	–	–	42.0	0.8
1001	Agricultural Biotechnology	–	1.5	1.0	–	–	2.5	0.1
1002	Environmental Biotechnology	–	0.0	1.2	–	–	1.2	0.0
1003	Industrial Biotechnology	–	0.5	0.9	–	–	1.4	0.0
1004	Medical Biotechnology	–	0.3	7.4	–	–	7.7	0.2
1005	Communications Technologies	–	3.6	6.4	–	–	9.9	0.2
1006	Computer Hardware	–	0.0	0.0	–	–	0.0	0.0
1007	Nanotechnology	–	4.0	15.3	–	–	19.3	0.4
1099	Other Technology	–	0.0	0.0	–	–	0.0	0.0
11	Medical and Health Sciences	–	104.9	1,170.7	262.0	–	1,537.6	31.1
1101	Medical Biochemistry and Metabolomics	–	1.5	6.7	–	–	8.2	0.2
1102	Cardiovascular Medicine and Haematology	–	3.7	83.2	–	–	86.9	1.8
1103	Clinical Sciences	–	23.1	180.2	–	–	203.3	4.1
1104	Complementary and Alternative Medicine	–	0.0	1.5	7.0	–	8.5	0.2
1105	Dentistry	–	0.7	7.3	–	–	8.0	0.2
1106	Human Movement and Sports Science	–	0.8	27.7	4.2	–	32.7	0.7

Continued

ESTEEM

FoR Code	FoR Name	Editor of a Prestigious Work of Reference	Membership of a Learned Academy or Membership of AIATSIS	Recipient of a Nationally Competitive Research Fellowship (Category 1)	Membership of a Statutory Committee	Recipient of an Australia Council Grant or Fellowship	Total	% of Total
1107	Immunology	-	11.2	94.9	-	-	106.2	2.1
1108	Medical Microbiology	-	7.1	55.5	-	-	62.6	1.3
1109	Neurosciences	-	13.8	150.0	-	-	163.8	3.3
1110	Nursing	-	1.2	12.7	19.0	-	32.9	0.7
1111	Nutrition and Dietetics	-	0.7	19.5	10.3	-	30.4	0.6
1112	Oncology and Carcinogenesis	-	6.3	67.2	-	-	73.5	1.5
1113	Ophthalmology and Optometry	-	2.9	11.4	-	-	14.3	0.3
1114	Paediatrics and Reproductive Medicine	-	4.5	74.5	-	-	79.0	1.6
1115	Pharmacology and Pharmaceutical Sciences	-	2.8	59.2	-	-	62.0	1.3
1116	Medical Physiology	-	3.7	36.9	-	-	40.7	0.8
1117	Public Health and Health Services	-	20.5	278.4	204.1	-	502.9	10.2
1199	Other Medical and Health Sciences	-	0.5	3.7	17.4	-	21.5	0.4
12	Built Environment and Design	2.0	12.5	13.1	-	-	27.5	0.6
1201	Architecture	2.0	3.9	6.0	-	-	11.9	0.2
1202	Building	0.0	1.1	0.0	-	-	1.1	0.0
1203	Design Practice and Management	0.0	0.8	2.8	-	-	3.5	0.1
1204	Engineering Design	0.0	0.0	0.0	-	-	0.0	0.0
1205	Urban and Regional Planning	0.0	6.7	4.3	-	-	11.0	0.2
1299	Other Built Environment and Design	0.0	0.0	0.0	-	-	0.0	0.0
13	Education	0.0	39.7	24.0	-	-	63.7	1.3
1301	Education Systems	0.0	11.8	6.1	-	-	17.9	0.4
1302	Curriculum and Pedagogy	0.0	13.5	3.0	-	-	16.5	0.3
1303	Specialist Studies in Education	0.0	14.4	14.9	-	-	29.3	0.6
1399	Other Education	0.0	0.0	0.0	-	-	0.0	0.0

Continued

ESTEEM

FoR Code	FoR Name	Editor of a Prestigious Work of Reference	Membership of a Learned Academy or Membership of AIATSIS	Recipient of a Nationally Competitive Fellowship (Category 1)	Membership of a Statutory Committee	Recipient of an Australia Council Grant or Fellowship	Total	% of Total
14	Economics	0.2	59.4	32.3	-	-	91.9	1.9
1401	Economic Theory	0.0	5.9	3.3	-	-	9.3	0.2
1402	Applied Economics	0.2	46.9	23.2	-	-	70.3	1.4
1403	Econometrics	0.0	6.4	5.6	-	-	12.0	0.2
1499	Other Economics	0.0	0.2	0.2	-	-	0.4	0.0
15	Commerce, Management, Tourism and Services	2.4	26.8	17.7	-	-	46.9	0.9
1501	Accounting, Auditing and Accountability	0.0	5.2	2.0	-	-	7.2	0.1
1502	Banking, Finance and Investment	0.0	2.7	1.5	-	-	4.2	0.1
1503	Business and Management	1.6	17.5	10.5	-	-	29.6	0.6
1504	Commercial Services	0.0	0.0	0.0	-	-	0.0	0.0
1505	Marketing	0.0	1.1	1.0	-	-	2.1	0.0
1506	Tourism	0.0	0.0	2.7	-	-	2.7	0.1
1507	Transportation and Freight Services	0.8	0.3	0.0	-	-	1.1	0.0
1599	Other Commerce, Management, Tourism and Services	0.0	0.0	0.0	-	-	0.0	0.0
16	Studies in Human Society	8.2	173.8	112.2	-	-	294.2	6.0
1601	Anthropology	0.0	45.1	21.6	-	-	66.7	1.4
1602	Criminology	0.0	6.1	5.5	-	-	11.6	0.2
1603	Demography	0.0	3.2	5.2	-	-	8.3	0.2
1604	Human Geography	0.0	20.3	9.2	-	-	29.4	0.6
1605	Policy and Administration	0.5	17.4	12.2	-	-	30.1	0.6
1606	Political Science	6.7	49.6	26.0	-	-	82.3	1.7
1607	Social Work	0.0	0.7	1.0	-	-	1.7	0.0
1608	Sociology	1.0	25.8	27.9	-	-	54.6	1.1
1699	Other Studies in Human Society	0.0	5.6	3.8	-	-	9.4	0.2

Continued

ESTEEM

FoR Code	FoR Name	Editor of a Prestigious Work of Reference	Membership of a Learned Academy or Membership of AIATSIS	Recipient of a Nationally Competitive Research Fellowship (Category 1)	Membership of a Statutory Committee	Recipient of an Australia Council Grant or Fellowship	Total	% of Total
17	Psychology and Cognitive Sciences	2.4	52.5	148.8	-	-	203.7	4.1
1701	Psychology	2.4	51.3	141.8	-	-	195.5	4.0
1702	Cognitive Sciences	0.0	0.9	7.0	-	-	7.9	0.2
1799	Other Psychology and Cognitive Sciences	0.0	0.3	0.0	-	-	0.3	0.0
18	Law and Legal Studies	0.1	31.3	34.0	-	-	65.4	1.3
1801	Law	0.1	31.3	34.0	-	-	65.4	1.3
1802	Maori Law	0.0	0.0	0.0	-	-	0.0	0.0
1899	Other Law and Legal Studies	0.0	0.0	0.0	-	-	0.0	0.0
19	Studies in Creative Arts and Writing	8.0	48.3	22.4	-	84.0	162.7	3.3
1901	Art Theory and Criticism	1.0	9.1	4.1	-	2.0	16.2	0.3
1902	Film, Television and Digital Media	0.0	7.0	4.0	-	14.8	25.8	0.5
1903	Journalism and Professional Writing	0.0	1.7	0.3	-	0.0	2.0	0.0
1904	Performing Arts and Creative Writing	5.0	28.3	12.7	-	19.7	65.7	1.3
1905	Visual Arts and Crafts	2.0	2.2	1.3	-	46.5	52.0	1.1
1999	Other Studies in Creative Arts and Writing	0.0	0.0	0.0	-	1.0	1.0	0.0
20	Language, Communication and Culture	11.6	149.5	62.9	-	-	224.0	4.5
2001	Communication and Media Studies	2.0	7.7	8.2	-	-	17.8	0.4
2002	Cultural Studies	2.3	28.2	17.6	-	-	48.1	1.0
2003	Language Studies	0.5	12.4	2.7	-	-	15.6	0.3
2004	Linguistics	4.0	42.8	13.5	-	-	60.2	1.2
2005	Literary Studies	2.8	58.3	20.9	-	-	81.9	1.7
2099	Other Language, Communication and Culture	0.0	0.3	0.0	-	-	0.3	0.0

Continued

ESTEEM

FoR Code	FoR Name	Editor of a Prestigious Work of Reference	Membership of a Learned Academy or Membership of AIATSIS	Recipient of a Nationally Competitive Research Fellowship (Category 1)	Membership of a Statutory Committee	Recipient of an Australia Council Grant or Fellowship	Total	% of Total
21	History and Archaeology	12.1	209.9	81.7	-	-	303.6	6.1
2101	Archaeology	2.4	41.5	27.7	-	-	71.7	1.5
2102	Curatorial and Related Studies	0.3	4.3	2.0	-	-	6.6	0.1
2103	Historical Studies	9.4	164.1	51.9	-	-	225.4	4.6
2199	Other History and Archaeology	0.0	0.0	0.0	-	-	0.0	0.0
22	Philosophy and Religious Studies	10.0	75.9	32.2	-	-	118.1	2.4
2201	Applied Ethics	0.0	6.6	5.6	-	-	12.1	0.2
2202	History and Philosophy of Specific Fields	0.0	15.4	8.7	-	-	24.1	0.5
2203	Philosophy	9.0	39.4	15.9	-	-	64.3	1.3
2204	Religion and Religious Studies	1.0	14.2	2.0	-	-	17.2	0.3
2299	Other Philosophy and Religious Studies	0.0	0.3	0.0	-	-	0.3	0.0
Total		57.0	1,416.0	3,120.0	262.0	84.0	4,939.0	100.0

PATENTS GRANTED

FoR Code	FoR Name	Australia	United States	Europe	Japan	Other International	Triadic	Total*	% of Total	Patent Family
01	Mathematical Sciences	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.2
0101	Pure Mathematics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0102	Applied Mathematics	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.2
0103	Numerical and Computational Mathematics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0104	Statistics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0105	Mathematical Physics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0199	Other Mathematical Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02	Physical Sciences	12.5	13.8	4.0	4.3	10.0	0.0	44.6	4.8	29.3
0201	Astronomical and Space Sciences	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.1	0.5
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	1.3	1.5	0.5	1.3	0.8	0.0	5.5	0.6	3.0
0203	Classical Physics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0204	Condensed Matter Physics	1.2	1.7	2.5	1.0	0.5	0.0	6.8	0.7	3.7
0205	Optical Physics	8.0	6.0	1.0	1.6	4.3	0.0	20.9	2.2	14.5
0206	Quantum Physics	1.3	1.0	0.0	0.3	0.3	0.0	3.0	0.3	2.0
0299	Other Physical Sciences	0.7	3.7	0.0	0.0	3.0	0.0	7.4	0.8	5.7
03	Chemical Sciences	17.7	27.5	9.2	6.2	32.2	0.0	92.9	9.9	58.0
0301	Analytical Chemistry	3.0	4.7	0.0	0.4	1.0	0.0	9.1	1.0	5.7
0302	Inorganic Chemistry	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.1	1.0
0303	Macromolecular and Materials Chemistry	3.4	8.1	2.9	2.0	16.5	0.0	32.9	3.5	19.0
0304	Medicinal and Biomolecular Chemistry	3.3	6.0	2.5	2.0	5.5	0.0	19.3	2.1	14.0
0305	Organic Chemistry	1.7	2.7	1.5	0.0	1.0	0.0	6.9	0.7	5.2
0306	Physical Chemistry (Incl. Structural)	6.3	4.6	2.3	1.8	8.2	0.0	23.3	2.5	12.7
0307	Theoretical and Computational Chemistry	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0399	Other Chemical Sciences	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.1	0.5
04	Earth Sciences	0.0	2.0	0.0	0.0	3.0	0.0	5.0	0.5	3.0
0401	Atmospheric Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0402	Geochemistry	0.0	1.0	0.0	0.0	1.0	0.0	2.0	0.2	2.0
0403	Geology	0.0	1.0	0.0	0.0	2.0	0.0	3.0	0.3	1.0

* Triadic patents count as three patents in the 'Total'

Note: Only FoRs that use patents as an Applied Measure appear in the table above.

Continued

PATENTS GRANTED

FoR Code	FoR Name	Australia	United States	Europe	Japan	Other International	Triadic	Total*	% of Total	Patent Family
0404	Geophysics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0405	Oceanography	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0406	Physical Geography and Environmental Geoscience	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0499	Other Earth Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05	Environmental Sciences	1.5	2.8	0.0	0.6	9.9	0.0	14.8	1.6	6.0
0501	Ecological Applications	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0502	Environmental Science and Management	1.0	2.3	0.0	0.6	5.8	0.0	9.7	1.0	3.7
0503	Soil Sciences	0.5	0.5	0.0	0.0	4.1	0.0	5.1	0.5	2.3
0599	Other Environmental Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06	Biological Sciences	27.8	41.2	22.4	8.6	25.3	0.0	125.2	13.4	56.6
0601	Biochemistry and Cell Biology	11.3	30.2	16.0	6.3	12.6	0.0	76.5	8.2	30.2
0602	Ecology	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0603	Evolutionary Biology	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0604	Genetics	8.0	2.5	3.0	1.0	4.2	0.0	18.6	2.0	9.3
0605	Microbiology	4.0	3.0	1.5	1.0	2.0	0.0	11.5	1.2	6.5
0606	Physiology	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0607	Plant Biology	4.5	3.5	1.8	0.3	6.5	0.0	16.7	1.8	8.6
0608	Zoology	0.0	2.0	0.0	0.0	0.0	0.0	2.0	0.2	2.0
0699	Other Biological Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07	Agricultural and Veterinary Sciences	5.3	4.0	1.3	1.0	10.7	0.0	22.3	2.4	10.0
0701	Agriculture, Land and Farm Management	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0702	Animal Production	0.3	0.0	0.0	0.0	1.2	0.0	1.5	0.2	1.2
0703	Crop and Pasture Production	2.0	2.0	0.3	0.0	4.5	0.0	8.8	0.9	3.8
0704	Fisheries Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0705	Forestry Sciences	2.0	1.0	0.0	1.0	3.0	0.0	7.0	0.7	2.0
0706	Horticultural Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0707	Veterinary Sciences	1.0	1.0	1.0	0.0	2.0	0.0	5.0	0.5	3.0
0799	Other Agricultural and Veterinary Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Note: Only FoRs that use patents as an Applied Measure appear in the table above.

Continued

PATENTS GRANTED

FoR Code	FoR Name	Australia	United States	Europe	Japan	Other International	Triadic	Total*	% of Total	Patent Family
08	Information and Computing Sciences	10.2	35.9	1.6	0.0	5.2	0.0	52.9	5.6	47.7
0801	Artificial Intelligence and Image Processing	7.0	16.6	1.6	0.0	3.7	0.0	28.8	3.1	25.8
0802	Computation Theory and Mathematics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0803	Computer Software	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.1	0.5
0804	Data Format	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0805	Distributed Computing	3.0	2.1	0.0	0.0	1.0	0.0	6.1	0.7	4.1
0806	Information Systems	0.2	17.2	0.0	0.0	0.0	0.0	17.4	1.9	17.2
0807	Library and Information Studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0899	Other Information and Computing Sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09	Engineering	51.3	78.1	26.1	19.3	118.5	0.0	293.3	31.3	175.8
0901	Aerospace Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0902	Automotive Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0903	Biomedical Engineering	5.9	9.4	3.5	3.3	5.9	0.0	28.0	3.0	16.3
0904	Chemical Engineering	11.9	10.1	5.8	6.0	25.6	0.0	59.4	6.3	30.9
0905	Civil Engineering	2.2	2.2	0.2	1.0	6.0	0.0	11.6	1.2	6.2
0906	Electrical and Electronic Engineering	6.5	32.6	6.7	1.5	30.3	0.0	77.7	8.3	50.2
0907	Environmental Engineering	2.0	1.0	0.0	0.0	0.4	0.0	3.4	0.4	3.4
0908	Food Sciences	0.0	1.0	0.0	0.0	1.0	0.0	2.0	0.2	2.0
0909	Geomatic Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0910	Manufacturing Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0911	Maritime Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0912	Materials Engineering	4.8	10.2	7.8	6.5	18.9	0.0	48.3	5.2	34.9
0913	Mechanical Engineering	9.0	2.5	1.0	0.0	6.5	0.0	19.0	2.0	13.0
0914	Resources Engineering and Extractive Metallurgy	8.0	9.0	1.0	1.0	24.0	0.0	43.0	4.6	18.0
0915	Interdisciplinary Engineering	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.1	1.0
0999	Other Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Note: Only FoRs that use patents as an Applied Measure appear in the table above.

Continued

PATENTS GRANTED

For Code	For Name	Australia	United States	Europe	Japan	Other International	Triadic	Total*	% of Total	Patent Family
10	Technology	5.4	12.9	6.0	6.4	17.7	0.0	48.3	5.2	23.5
1001	Agricultural Biotechnology	1.0	1.0	2.0	1.0	1.0	0.0	6.0	0.6	4.0
1002	Environmental Biotechnology	0.0	2.0	1.0	0.0	1.4	0.0	4.4	0.5	1.4
1003	Industrial Biotechnology	1.4	2.4	0.0	1.1	1.1	0.0	6.0	0.6	3.5
1004	Medical Biotechnology	3.0	1.0	3.0	3.0	14.0	0.0	24.0	2.6	7.0
1005	Communications Technologies	0.0	3.0	0.0	1.0	0.0	0.0	4.0	0.4	4.0
1006	Computer Hardware	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1007	Nanotechnology	0.0	3.5	0.0	0.3	0.2	0.0	4.0	0.4	3.7
1099	Other Technology	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Medical and Health Sciences	33.3	61.8	32.4	20.7	85.4	1.0	236.5	25.3	121.9
1101	Medical Biochemistry and Metabolomics	1.5	2.7	1.5	1.0	2.5	0.0	9.1	1.0	5.8
1102	Cardiovascular Medicine and Haematology	3.0	2.0	3.0	0.0	3.0	0.0	11.0	1.2	4.0
1103	Clinical Sciences	6.5	9.2	3.1	2.3	8.8	0.3	31.0	3.3	18.7
1104	Complementary and Alternative Medicine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1105	Dentistry	3.0	5.0	3.0	2.3	20.3	0.0	33.7	3.6	16.7
1106	Human Movement and Sports Science	1.0	0.0	1.0	0.0	3.3	0.0	5.3	0.6	2.3
1107	Immunology	2.5	8.1	2.6	1.1	5.3	0.0	19.7	2.1	16.8
1108	Medical Microbiology	3.3	2.8	1.1	0.3	5.0	0.0	12.5	1.3	5.9
1109	Neurosciences	1.0	15.0	5.0	4.5	7.3	0.0	32.8	3.5	13.3
1110	Nursing	0.4	0.4	0.0	0.0	0.0	0.0	0.8	0.1	0.4
1111	Nutrition and Dietetics	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.1	0.5
1112	Oncology and Carcinogenesis	2.8	3.8	3.6	1.9	7.1	0.0	19.2	2.0	12.0
1113	Ophthalmology and Optometry	2.0	3.0	1.0	2.5	10.0	0.7	20.5	2.2	6.7
1114	Paediatrics and Reproductive Medicine	1.5	1.5	0.5	0.5	1.5	0.0	5.5	0.6	3.0
1115	Pharmacology and Pharmaceutical Sciences	4.2	7.8	4.5	3.7	9.1	0.0	29.3	3.1	13.3
1116	Medical Physiology	0.0	0.0	2.0	0.0	0.0	0.0	2.0	0.2	1.0
1117	Public Health and Health Services	0.5	0.5	0.0	0.5	1.5	0.0	3.0	0.3	1.0
1199	Other Medical and Health Sciences	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.1	0.5

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Note: Only ForFs that use patents as an Applied Measure appear in the table above.

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PATENTS GRANTED

FoR Code	FoR Name	Australia	United States	Europe	Japan	Other International	Triadic	Total*	% of Total	Patent Family
12	Built Environment and Design	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1201	Architecture	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1202	Building	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1203	Design Practice and Management	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1204	Engineering Design	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1205	Urban and Regional Planning	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1299	Other Built Environment and Design	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	Studies in Creative Arts and Writing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1901	Art Theory and Criticism	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1902	Film, Television and Digital Media	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1903	Journalism and Professional Writing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1904	Performing Arts and Creative Writing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1905	Visual Arts and Crafts	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	Other Studies in Creative Arts and Writing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	History and Archaeology	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2102	Curatorial and Related Studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total		165.0	280.0	103.0	67.0	318.0	1.0	936.0	100.0	532.0

* Triadic patents count as three patents in the 'Total'

Note: Only FoRs that use patents as an Applied Measure appear in the table above.

REGISTERED DESIGNS

FoR Code	FoR Name	Designs	% of Total
08	Information and Computing Sciences	0.0	0.0
0801	Artificial Intelligence and Image Processing	0.0	0.0
0802	Computation Theory and Mathematics	0.0	0.0
0803	Computer Software	0.0	0.0
0804	Data Format	0.0	0.0
0805	Distributed Computing	0.0	0.0
0806	Information Systems	0.0	0.0
0807	Library and Information Studies	0.0	0.0
0899	Other Information and Computing Sciences	0.0	0.0
10	Technology	1.0	14.3
1005	Communications Technologies	0.0	0.0
1006	Computer Hardware	0.0	0.0
1007	Nanotechnology	0.0	0.0
1099	Other Technology	1.0	14.3
12	Built Environment and Design	6.0	85.7
1201	Architecture	0.0	0.0
1202	Building	0.0	0.0
1203	Design Practice and Management	6.0	85.7
1204	Engineering Design	0.0	0.0
1205	Urban and Regional Planning	0.0	0.0
1299	Other Built Environment and Design	0.0	0.0
19	Studies in Creative Arts and Writing	0.0	0.0
1901	Art Theory and Criticism	0.0	0.0
1902	Film, Television and Digital Media	0.0	0.0
1903	Journalism and Professional Writing	0.0	0.0
1904	Performing Arts and Creative Writing	0.0	0.0
1905	Visual Arts and Crafts	0.0	0.0
1999	Other Studies in Creative Arts and Writing	0.0	0.0
Total		7.0	100.0

Note: Only FoRs that use registered designs as an Applied Measure appear in the table above.

PLANT BREEDER'S RIGHTS

FoR Code	FoR Name	Plant Breeder's Rights	% of Total
05	Environmental Sciences	0.0	0.0
0501	Ecological Applications	0.0	0.0
0502	Environmental Science and Management	0.0	0.0
0503	Soil Sciences	0.0	0.0
0599	Other Environmental Sciences	0.0	0.0
06	Biological Sciences	1.6	5.3
0604	Genetics	0.0	0.0
0607	Plant Biology	1.6	5.3
07	Agricultural and Veterinary Sciences	28.4	94.7
0703	Crop and Pasture Production	23.5	78.3
0705	Forestry Sciences	0.0	0.0
0706	Horticultural Production	4.9	16.3
10	Technology	0.0	0.0
1001	Agricultural Biotechnology	0.0	0.0
1002	Environmental Biotechnology	0.0	0.0
1003	Industrial Biotechnology	0.0	0.0
Total		30.0	100.0

Note: Only FoRs that use Plant Breeder's Rights as an Applied Measure appear in the table above.

NHMRC ENDORSED GUIDELINES

FoR Code	FoR Name	Guidelines	% of Total
11	Medical and Health Sciences	64.0	100.0
1101	Medical Biochemistry and Metabolomics	0.0	0.0
1102	Cardiovascular Medicine and Haematology	3.8	5.9
1103	Clinical Sciences	20.8	32.5
1104	Complementary and Alternative Medicine	1.0	1.6
1105	Dentistry	0.0	0.0
1106	Human Movement and Sports Science	0.0	0.0
1107	Immunology	0.0	0.0
1108	Medical Microbiology	0.0	0.0
1109	Neurosciences	2.5	3.9
1110	Nursing	1.0	1.6
1111	Nutrition and Dietetics	3.0	4.6
1112	Oncology and Carcinogenesis	1.7	2.7
1113	Ophthalmology and Optometry	0.0	0.0
1114	Paediatrics and Reproductive Medicine	6.2	9.6
1115	Pharmacology and Pharmaceutical Sciences	0.0	0.0
1116	Medical Physiology	0.0	0.0
1117	Public Health and Health Services	22.6	35.3
1199	Other Medical and Health Sciences	1.5	2.3
Total		64.0	100.0

Note: Only FoRs that use NHMRC Endorsed Guidelines as an Applied Measure appear in the table above.

RESEARCH COMMERCIALISATION INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
01	Mathematical Sciences	27,129	107,221	100,952	47,025	14,980	162,956
0101	Pure Mathematics	0	0	0	0	0	0
0102	Applied Mathematics	14,980	107,221	61,674	47,025	14,980	123,679
0103	Numerical and Computational Mathematics	0	0	0	0	0	0
0104	Statistics	39,278	39,278	39,278	0	0	39,278
0105	Mathematical Physics	0	0	0	0	0	0
0199	Other Mathematical Sciences	0	0	0	0	0	0
02	Physical Sciences	155,825	1,312,945	1,281,535	735,205	576,957	2,593,697
0201	Astronomical and Space Sciences	553,698	1,088,986	362,927	381,467	363,002	1,107,396
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	0	0	0	0	0	0
0203	Classical Physics	252,472	252,472	235,414	17,057	0	252,472
0204	Condensed Matter Physics	200,406	200,406	193,594	3,289	3,524	200,406
0205	Optical Physics	40,759	222,330	146,606	166,316	119,059	431,981
0206	Quantum Physics	190,071	190,071	25,656	164,415	0	190,071
0299	Other Physical Sciences	42,907	312,886	317,338	2,661	91,372	411,371
03	Chemical Sciences	45,201	1,310,731	2,492,124	504,903	1,161,417	4,158,444
0301	Analytical Chemistry	59,901	143,062	156,455	67,406	2,814	226,674
0302	Inorganic Chemistry	394,966	394,966	394,966	0	0	394,966
0303	Macromolecular and Materials Chemistry	0	0	0	0	0	0
0304	Medicinal and Biomolecular Chemistry	12,529	546,234	539,827	208,730	238,550	987,107
0305	Organic Chemistry	5,042	5,042	0	5,042	0	5,042
0306	Physical Chemistry (Incl. Structural)	45,201	992,572	889,011	157,804	114,392	1,161,207
0307	Theoretical and Computational Chemistry	691,724	1,302,210	511,865	65,920	805,662	1,383,448
0399	Other Chemical Sciences	0	0	0	0	0	0

* Median and maximum income is based on total research income over the three year period.

Continued

RESEARCH COMMERCIALISATION INCOME

For Code	For Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
04	Earth Sciences	166,599	2,495,581	1,041,315	1,198,702	1,681,900	3,921,917
0401	Atmospheric Sciences	96,169	96,169	0	38,969	57,200	96,169
0402	Geochemistry	1,298,113	2,422,286	643,287	770,055	1,182,884	2,596,226
0403	Geology	59,694	196,134	139,771	99,237	101,385	340,393
0404	Geophysics	5,444	5,444	924	0	4,520	5,444
0405	Oceanography	24,871	24,871	6,065	8,989	9,818	24,871
0406	Physical Geography and Environmental Geoscience	43,048	749,166	251,269	281,452	326,094	858,814
0499	Other Earth Sciences	0	0	0	0	0	0
05	Environmental Sciences	222,370	749,166	301,864	377,996	294,733	974,593
0501	Ecological Applications	3,057	3,057	3,057	0	0	3,057
0502	Environmental Science and Management	749,166	749,166	193,634	272,783	282,749	749,166
0503	Soil Sciences	222,370	222,370	105,173	105,213	11,984	222,370
0599	Other Environmental Sciences	0	0	0	0	0	0
06	Biological Sciences	57,415	1,574,166	897,654	1,210,586	1,955,904	4,064,145
0601	Biochemistry and Cell Biology	79,179	621,511	601,379	484,157	275,837	1,361,373
0602	Ecology	10,142	10,142	2,455	2,045	5,642	10,142
0603	Evolutionary Biology	10,142	10,142	2,455	2,045	5,642	10,142
0604	Genetics	11,112	114,090	2,455	42,387	94,562	139,404
0605	Microbiology	69,971	301,651	225,024	233,915	409,734	868,673
0606	Physiology	0	0	0	0	0	0
0607	Plant Biology	23,980	1,398,166	61,189	426,716	1,150,159	1,638,064
0608	Zoology	3,090	17,057	2,697	19,322	14,328	36,347
0699	Other Biological Sciences	0	0	0	0	0	0
07	Agricultural and Veterinary Sciences	106,727	23,557,000	10,870,568	12,139,180	12,485,335	35,495,083
0701	Agriculture, Land and Farm Management	48,228	96,318	23,249	11,559	61,648	96,456
0702	Animal Production	23,557,000	23,557,000	7,533,000	8,097,000	7,927,000	23,557,000
0703	Crop and Pasture Production	106,658	10,829,905	3,109,454	3,841,066	4,268,313	11,218,833
0704	Fisheries Sciences	0	0	0	0	0	0
0705	Forestry Sciences	0	0	0	0	0	0

* Median and maximum income is based on total research income over the three year period.

Continued

RESEARCH COMMERCIALISATION INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
0706	Horticultural Production	54,775	89,578	102,500	39,952	80,658	223,110
0707	Veterinary Sciences	199,842	391,185	102,365	149,603	147,717	399,685
0799	Other Agricultural and Veterinary Sciences	0	0	0	0	0	0
08	Information and Computing Sciences	169,377	3,085,566	2,842,314	2,187,922	1,685,877	6,716,113
0801	Artificial Intelligence and Image Processing	34,115	3,085,566	1,744,872	1,059,569	557,767	3,362,209
0802	Computation Theory and Mathematics	0	0	0	0	0	0
0803	Computer Software	265,530	1,132,270	487,428	570,339	350,963	1,408,730
0804	Data Format	42,493	42,493	42,493	0	0	42,493
0805	Distributed Computing	100,757	100,757	0	0	100,757	100,757
0806	Information Systems	338,186	920,996	563,548	555,500	676,389	1,795,437
0807	Library and Information Studies	6,488	6,488	3,974	2,514	0	6,488
0899	Other Information and Computing Sciences	0	0	0	0	0	0
09	Engineering	358,678	3,631,982	6,126,822	4,885,031	4,861,653	15,873,506
0901	Aerospace Engineering	0	0	0	0	0	0
0902	Automotive Engineering	0	0	0	0	0	0
0903	Biomedical Engineering	233,759	2,656,554	1,704,293	1,192,702	227,350	3,124,344
0904	Chemical Engineering	24,964	347,264	125,212	102,122	482,043	709,376
0905	Civil Engineering	70,630	637,340	460,714	657,506	468,661	1,586,881
0906	Electrical and Electronic Engineering	43,857	2,296,420	2,056,501	1,278,749	1,141,659	4,476,909
0907	Environmental Engineering	33,347	65,441	600	65,778	316	66,694
0908	Food Sciences	71,192	163,397	65,931	40,759	199,091	305,781
0909	Geomatic Engineering	0	0	0	0	0	0
0910	Manufacturing Engineering	0	0	0	0	0	0
0911	Maritime Engineering	22,730	22,730	22,730	0	0	22,730
0912	Materials Engineering	24,964	1,088,986	370,815	387,453	404,132	1,162,400
0913	Mechanical Engineering	20,144	402,831	461,024	274,311	416,880	1,152,215
0914	Resources Engineering and Extractive Metallurgy	235,904	1,746,224	859,002	880,657	1,406,542	3,146,202
0915	Interdisciplinary Engineering	119,974	119,974	0	4,994	114,980	119,974
0999	Other Engineering	0	0	0	0	0	0

* Median and maximum income is based on total research income over the three year period.

Continued

RESEARCH COMMERCIALISATION INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
10	Technology	104,617	801,163	506,145	405,320	402,930	1,314,395
1001	Agricultural Biotechnology	43,534	88,375	109,344	30,134	38,013	177,491
1002	Environmental Biotechnology	0	0	0	0	0	0
1003	Industrial Biotechnology	59,306	59,306	0	59,306	0	59,306
1004	Medical Biotechnology	65,799	81,546	86,537	45,061	0	131,598
1005	Communications Technologies	473,000	801,163	310,264	270,819	364,917	946,000
1006	Computer Hardware	0	0	0	0	0	0
1007	Nanotechnology	0	0	0	0	0	0
1099	Other Technology	0	0	0	0	0	0
11	Medical and Health Sciences	452,237	63,840,793	25,372,929	19,295,660	30,624,018	75,292,607
1101	Medical Biochemistry and Metabolomics	114,090	154,695	101,951	64,908	135,778	302,637
1102	Cardiovascular Medicine and Haematology	40,895	1,613,051	1,635,098	4,914	14,124	1,654,137
1103	Clinical Sciences	225,452	6,760,274	2,636,932	2,600,682	4,142,729	9,380,344
1104	Complementary and Alternative Medicine	–	–	–	–	–	–
1105	Dentistry	157,953	310,446	87,077	80,684	148,145	315,906
1106	Human Movement and Sports Science	–	–	–	–	–	–
1107	Immunology	71,819	33,291,337	11,857,687	9,107,506	12,938,562	33,903,755
1108	Medical Microbiology	13,567	485,816	150,879	132,899	239,189	522,967
1109	Neurosciences	338,734	1,122,762	227,246	263,594	1,320,671	1,811,511
1110	Nursing	–	–	–	–	–	–
1111	Nutrition and Dietetics	–	–	–	–	–	–
1112	Oncology and Carcinogenesis	12,206,998	12,206,998	3,817,316	3,486,789	4,902,892	12,206,998
1113	Ophthalmology and Optometry	77,692	464,870	191,123	221,193	216,109	628,426
1114	Paediatrics and Reproductive Medicine	226,926	467,697	378,964	365,902	226,591	971,457
1115	Pharmacology and Pharmaceutical Sciences	32,240	11,335,812	4,247,759	2,966,588	6,044,017	13,258,364
1116	Medical Physiology	336,108	336,108	40,895	0	295,212	336,108
1117	Public Health and Health Services	–	–	–	–	–	–
1199	Other Medical and Health Sciences	–	–	–	–	–	–

* Median and maximum income is based on total research income over the three year period.

Continued

RESEARCH COMMERCIALISATION INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
12	Built Environment and Design	46,346	51,797	40,895	51,797	0	92,692
1201	Architecture	0	0	0	0	0	0
1202	Building	0	0	0	0	0	0
1203	Design Practice and Management	46,346	51,797	40,895	51,797	0	92,692
1204	Engineering Design	0	0	0	0	0	0
1205	Urban and Regional Planning	0	0	0	0	0	0
1299	Other Built Environment and Design	0	0	0	0	0	0
13	Education	117,085	895,908	756,373	380,007	226,536	1,362,916
1301	Education Systems	344,526	529,999	489,116	185,132	14,804	689,052
1302	Curriculum and Pedagogy	82,145	284,672	214,389	133,630	103,398	451,416
1303	Specialist Studies in Education	52,005	111,945	52,868	61,245	108,335	222,448
1399	Other Education	0	0	0	0	0	0
14	Economics	6,422	7,201	7,201	0	5,642	12,843
1401	Economic Theory	0	0	0	0	0	0
1402	Applied Economics	7,201	7,201	7,201	0	0	7,201
1403	Econometrics	5,642	5,642	0	0	5,642	5,642
1499	Other Economics	0	0	0	0	0	0
15	Commerce, Management, Tourism and Services	7,539	122,387	93,650	41,692	12,723	148,065
1501	Accounting, Auditing and Accountability	0	0	0	0	0	0
1502	Banking, Finance and Investment	0	0	0	0	0	0
1503	Business and Management	1,628	14,950	11,606	1,350	5,184	18,139
1504	Commercial Services	122,387	122,387	82,045	40,342	0	122,387
1505	Marketing	7,539	7,539	0	0	7,539	7,539
1506	Tourism	0	0	0	0	0	0
1507	Transportation and Freight Services	0	0	0	0	0	0
1599	Other Commerce, Management, Tourism and Services	0	0	0	0	0	0

* Median and maximum income is based on total research income over the three year period.

Continued

RESEARCH COMMERCIALISATION INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
16	Studies in Human Society	0	0	0	0	0	0
1601	Anthropology	0	0	0	0	0	0
1602	Criminology	0	0	0	0	0	0
1603	Demography	0	0	0	0	0	0
1604	Human Geography	0	0	0	0	0	0
1605	Policy and Administration	0	0	0	0	0	0
1606	Political Science	0	0	0	0	0	0
1607	Social Work	0	0	0	0	0	0
1608	Sociology	0	0	0	0	0	0
1699	Other Studies in Human Society	0	0	0	0	0	0
17	Psychology and Cognitive Sciences	113,000	1,986,137	849,757	772,511	1,614,125	3,236,394
1701	Psychology	113,000	1,986,137	849,757	772,511	1,614,125	3,236,394
1702	Cognitive Sciences	0	0	0	0	0	0
1799	Other Psychology and Cognitive Sciences	0	0	0	0	0	0
18	Law and Legal Studies	-	-	-	-	-	-
1801	Law	-	-	-	-	-	-
1802	Maori Law	-	-	-	-	-	-
1899	Other Law and Legal Studies	-	-	-	-	-	-
19	Studies in Creative Arts and Writing	16,145	86,515	135,672	99,117	21,048	255,837
1901	Art Theory and Criticism	0	0	0	0	0	0
1902	Film, Television and Digital Media	51,797	86,515	53,628	99,117	1,713	154,457
1903	Journalism and Professional Writing	0	0	0	0	0	0
1904	Performing Arts and Creative Writing	12,082	82,045	82,045	0	12,908	94,953
1905	Visual Arts and Crafts	6,427	6,427	0	0	6,427	6,427
1999	Other Studies in Creative Arts and Writing	0	0	0	0	0	0

* Median and maximum income is based on total research income over the three year period.

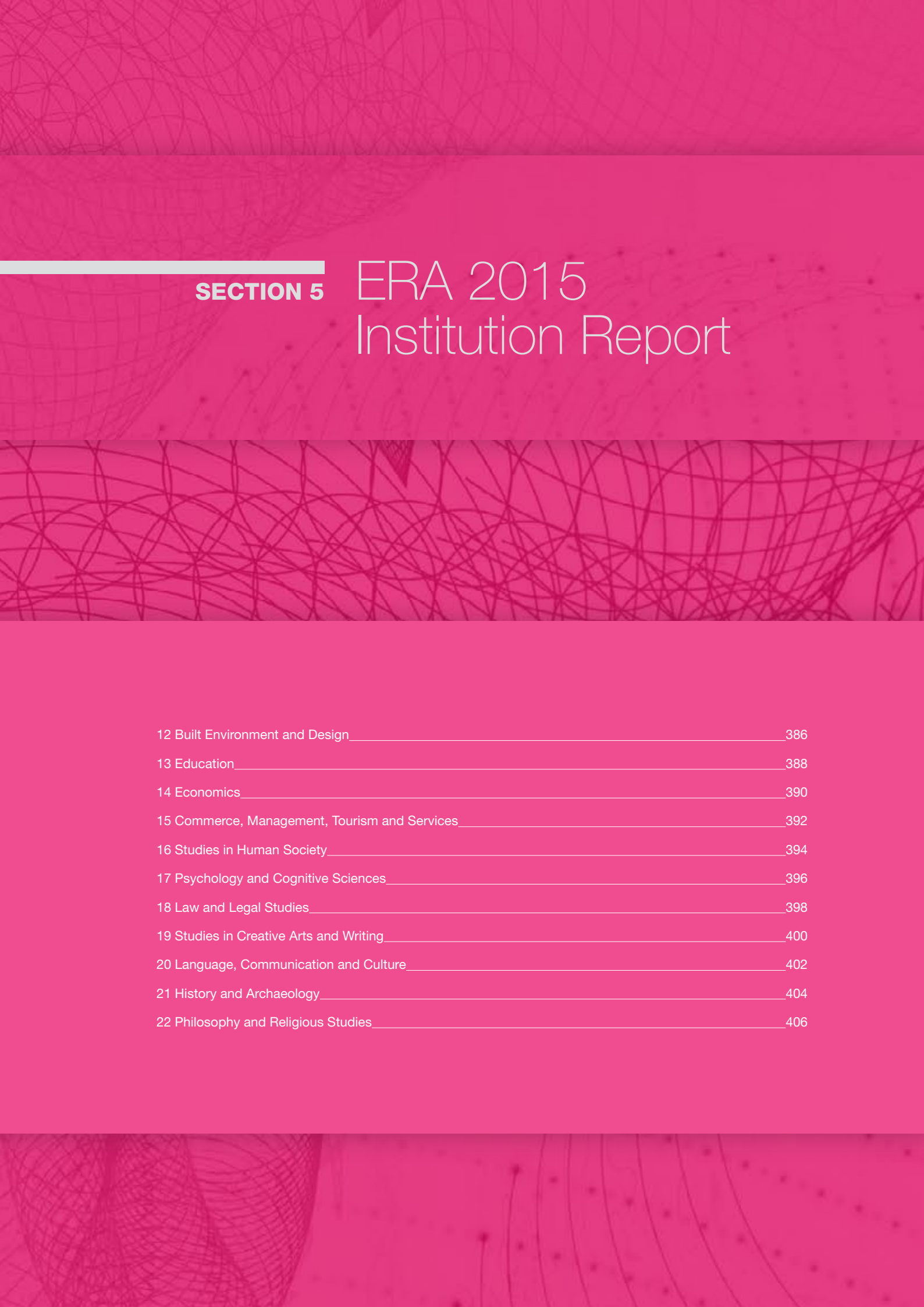
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RESEARCH COMMERCIALISATION INCOME

FoR Code	FoR Name	Median Income (\$)*	Maximum Income (\$)*	2011 Income (\$)	2012 Income (\$)	2013 Income (\$)	Total Income (\$)
20	Language, Communication and Culture	6,482	7,539	0	0	12,963	12,963
2001	Communication and Media Studies	7,539	7,539	0	0	7,539	7,539
2002	Cultural Studies	0	0	0	0	0	0
2003	Language Studies	0	0	0	0	0	0
2004	Linguistics	5,424	5,424	0	0	5,424	5,424
2005	Literary Studies	0	0	0	0	0	0
2099	Other Language, Communication and Culture	0	0	0	0	0	0
21	History and Archaeology	24,871	24,871	6,065	8,989	9,818	24,871
2101	Archaeology	24,871	24,871	6,065	8,989	9,818	24,871
2102	Curatorial and Related Studies	0	0	0	0	0	0
2103	Historical Studies	0	0	0	0	0	0
2199	Other History and Archaeology	0	0	0	0	0	0
22	Philosophy and Religious Studies	40,895	40,895	40,895	0	0	40,895
2201	Applied Ethics	40,895	40,895	40,895	0	0	40,895
2202	History and Philosophy of Specific Fields	0	0	0	0	0	0
2203	Philosophy	0	0	0	0	0	0
2204	Religion and Religious Studies	0	0	0	0	0	0
2299	Other Philosophy and Religious Studies	0	0	0	0	0	0
Total				53,764,732	44,341,642	57,648,561	155,754,935

* Median and maximum income is based on total research income over the three year period.

01 Mathematical Sciences	364
02 Physical Sciences	366
03 Chemical Sciences	368
04 Earth Sciences	370
05 Environmental Sciences	372
06 Biological Sciences	374
07 Agricultural and Veterinary Sciences	376
08 Information and Computing Sciences	378
09 Engineering	380
10 Technology	382
11 Medical and Health Sciences	384



SECTION 5

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15 Commerce, Management, Tourism and Services	392
16 Studies in Human Society	394
17 Psychology and Cognitive Sciences	396
18 Law and Legal Studies	398
19 Studies in Creative Arts and Writing	400
20 Language, Communication and Culture	402
21 History and Archaeology	404
22 Philosophy and Religious Studies	406

Section 5 provides the ERA rating for each two-digit and four-digit FoR code evaluated for the 41 eligible institutions.

The tables show the ratings for assessed UoEs. The UoE must meet the relevant low volume threshold for assessment to occur. Where the institution did not meet the low volume threshold, 'n/a' (i.e. not assessed) is shown in the table. In some cases UoEs were not rated ('n/r') by the Research Evaluation Committee due to coding issues.

The ERA 2015 Rating Scale is available in the introduction of this report.

01 MATHEMATICAL SCIENCES

Institution	01 Mathematical Sciences	0101 Pure Mathematics	0102 Applied Mathematics	0103 Numerical and Computational Mathematics	0104 Statistics	0105 Mathematical Physics	0199 Other Mathematical Sciences
Australian Catholic University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Australian National University	5	5	4	n/a	n/a	3	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Central Queensland University	5	n/a	5	n/a	n/a	n/a	n/a
Charles Darwin University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Curtin University of Technology	3	n/a	4	4	n/a	n/a	n/a
Deakin University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Edith Cowan University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Federation University Australia	3	3	3	n/a	n/a	n/a	n/a
Flinders University	3	n/a	4	n/a	n/a	n/a	n/a
Griffith University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
James Cook University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
La Trobe University	4	4	3	n/a	5	n/a	n/a
Macquarie University	4	5	n/a	n/a	4	n/a	n/a
Monash University	4	4	4	n/a	5	n/a	n/a
Murdoch University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Queensland University of Technology	4	n/a	4	5	5	n/a	n/a
RMIT University	3	n/a	5	n/a	n/a	n/a	n/a
Southern Cross University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Swinburne University of Technology	3	n/a	3	n/a	n/a	n/a	n/a
University of Adelaide	5	5	4	n/a	5	n/a	n/a
University of Canberra	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a

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Institution	01 Mathematical Sciences	0101 Pure Mathematics	0102 Applied Mathematics	0103 Numerical and Computational Mathematics	0104 Statistics	0105 Mathematical Physics	0199 Other Mathematical Sciences
University of Melbourne	5	5	4	n/a	5	3	n/a
University of New England	4	4	n/a	n/a	n/a	n/a	n/a
University of New South Wales	5	5	4	n/a	5	n/a	n/a
University of Newcastle	4	4	4	n/a	5	n/a	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	4	4	4	n/a	5	3	n/a
University of South Australia	5	n/a	5	n/a	n/a	n/a	n/a
University of Southern Queensland	3	n/a	n/a	4	n/a	n/a	n/a
University of Sydney	5	5	4	n/a	5	3	n/a
University of Tasmania (inc. Australian Maritime College)	3	n/a	4	n/a	n/a	n/a	n/a
University of Technology, Sydney	4	n/a	4	n/a	5	3	n/a
University of the Sunshine Coast	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Australia	3	4	4	n/a	n/a	3	n/a
University of Western Sydney	4	3	5	n/a	n/a	n/a	n/a
University of Wollongong	4	4	5	n/a	5	n/a	n/a
Victoria University	4	n/a	4	n/r	n/a	n/a	n/a
Total UoEs evaluated	26	15	23	4	12	6	0

02 PHYSICAL SCIENCES

Institution	02 Physical Sciences	0201 Astronomical and Space Sciences	0202 Atomic, Molecular, Nuclear, Particle and Plasma Physics	0203 Classical Physics	0204 Condensed Matter Physics	0205 Optical Physics	0206 Quantum Physics	0299 Other Physical Sciences
Australian Catholic University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Australian National University	5	5	4	5	5	5	5	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Central Queensland University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Darwin University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Curtin University of Technology	4	5	n/a	n/a	4	n/a	3	n/a
Deakin University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Edith Cowan University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Federation University Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Flinders University	3	n/a	3	n/a	4	n/a	n/a	n/a
Griffith University	5	n/a	n/a	n/a	5	4	5	n/a
James Cook University	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a
La Trobe University	5	n/a	n/a	n/a	5	5	n/a	n/a
Macquarie University	5	5	n/a	n/a	n/a	5	5	n/a
Monash University	5	5	5	n/a	5	5	n/a	n/a
Murdoch University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Queensland University of Technology	3	n/a	n/a	n/a	n/a	4	n/a	4
RMIT University	4	n/a	n/a	n/a	5	n/a	n/a	n/a
Southern Cross University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Swinburne University of Technology	5	5	5	n/a	n/a	5	4	n/a
University of Adelaide	5	5	5	n/a	n/a	5	n/a	n/a
University of Canberra	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Melbourne	5	5	5	n/a	5	5	5	n/a
University of New England	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of New South Wales	4	3	3	n/a	5	n/a	5	n/a
University of Newcastle	3	n/a	n/a	n/a	5	n/a	n/a	4
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	5	5	n/a	n/a	5	4	5	n/a

Continued

Institution	02 Physical Sciences	0201 Astronomical and Space Sciences	0202 Atomic, Molecular, Nuclear, Particle and Plasma Physics	0203 Classical Physics	0204 Condensed Matter Physics	0205 Optical Physics	0206 Quantum Physics	0299 Other Physical Sciences
University of South Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Southern Queensland	3	4	n/a	n/a	n/a	n/a	n/a	n/a
University of Sydney	5	5	5	5	5	5	5	5
University of Tasmania (inc. Australian Maritime College)	3	4	n/a	n/a	n/a	n/a	n/a	n/a
University of Technology, Sydney	4	n/a	n/a	n/a	4	4	n/a	n/a
University of the Sunshine Coast	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Australia	5	4	n/a	5	n/a	5	5	n/a
University of Western Sydney	2	2	n/a	n/a	n/a	n/a	n/a	n/a
University of Wollongong	3	n/a	n/a	n/a	n/r	n/a	n/a	5
Victoria University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total UoEs evaluated	23	14	8	3	14	13	10	4

03 CHEMICAL SCIENCES

Institution	03 Chemical Sciences	0301 Analytical Chemistry	0302 Inorganic Chemistry	0303 Macromolecular and Materials Chemistry	0304 Medicinal and Biomolecular Chemistry	0305 Organic Chemistry	0306 Physical Chemistry (Incl. Structural)	0307 Theoretical and Computational Chemistry	0399 Other Chemical Sciences
Australian Catholic University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Australian National University	4	n/a	3	4	4	3	4	4	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Central Queensland University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Darwin University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Curtin University of Technology	4	4	n/a	n/a	n/a	n/a	5	n/a	n/a
Deakin University	4	3	n/a	5	n/a	n/a	4	n/a	n/a
Edith Cowan University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Federation University Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Flinders University	3	4	n/a	n/a	n/a	n/a	4	n/a	n/a
Griffith University	5	n/a	5	5	4	n/a	3	n/a	n/a
James Cook University	3	n/a	4	n/a	n/a	4	n/a	n/a	n/a
La Trobe University	4	5	4	n/a	4	n/a	n/a	n/a	n/a
Macquarie University	3	4	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Monash University	5	4	5	5	5	4	5	5	n/a
Murdoch University	3	n/a	n/a	4	n/a	n/a	5	n/a	n/a
Queensland University of Technology	4	3	n/a	5	n/a	4	4	n/a	n/a
RMIT University	4	4	n/a	n/a	n/a	n/a	5	n/a	n/a
Southern Cross University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Swinburne University of Technology	4	n/a	n/a	n/a	n/a	n/a	5	n/a	n/a
University of Adelaide	4	4	4	5	4	3	5	n/a	n/a
University of Canberra	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Melbourne	5	4	4	5	4	3	5	4	n/a
University of New England	3	n/a	n/a	4	n/a	n/a	n/a	n/a	n/a
University of New South Wales	4	5	3	5	4	3	5	n/a	n/a
University of Newcastle	4	n/a	n/a	5	3	n/a	5	n/a	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	5	4	4	5	4	3	4	5	n/a

Continued

Institution	03 Chemical Sciences	0301 Analytical Chemistry	0302 Inorganic Chemistry	0303 Macromolecular and Materials Chemistry	0304 Medicinal and Biomolecular Chemistry	0305 Organic Chemistry	0306 Physical Chemistry (Incl. Structural)	0307 Theoretical and Computational Chemistry	0399 Other Chemical Sciences
University of South Australia	4	n/a	n/a	n/a	n/a	n/a	5	n/a	n/a
University of Southern Queensland	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Sydney	4	n/a	5	5	4	4	4	5	n/a
University of Tasmania (inc. Australian Maritime College)	4	5	5	n/a	n/a	3	n/a	n/a	n/a
University of Technology, Sydney	5	3	n/a	5	n/a	n/a	5	n/a	4
University of the Sunshine Coast	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Australia	3	n/a	3	n/a	4	n/a	4	n/a	n/a
University of Western Sydney	3	3	n/a	4	n/a	n/a	n/a	n/a	n/a
University of Wollongong	5	5	5	5	5	5	5	n/a	n/a
Victoria University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total UoEs evaluated	26	16	13	16	12	11	20	5	1

04 EARTH SCIENCES

Institution	04 Earth Sciences	0401 Atmospheric Sciences	0402 Geochemistry	0403 Geology	0404 Geophysics	0405 Oceanography	0406 Physical Geography and Environmental Geoscience	0499 Other Earth Sciences
Australian Catholic University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Australian National University	4	5	5	4	4	5	4	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Central Queensland University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Darwin University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Curtin University of Technology	4	n/a	5	5	4	n/a	3	n/a
Deakin University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Edith Cowan University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Federation University Australia	3	n/a	n/a	n/a	n/a	n/a	3	n/a
Flinders University	3	n/a	n/a	n/a	n/a	n/a	3	n/a
Griffith University	3	n/a	n/a	n/a	n/a	n/a	4	n/a
James Cook University	4	n/a	4	5	n/a	3	5	n/a
La Trobe University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Macquarie University	4	5	4	4	4	n/a	5	n/a
Monash University	3	3	n/a	3	3	n/a	4	n/a
Murdoch University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Queensland University of Technology	3	n/a	n/a	5	n/a	n/a	n/a	n/a
RMIT University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Southern Cross University	4	n/a	5	n/a	n/a	5	n/a	n/a
Swinburne University of Technology	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Adelaide	4	n/a	5	5	4	n/a	n/a	n/a
University of Canberra	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Melbourne	4	5	5	4	n/a	n/a	4	n/a
University of New England	4	n/a	n/a	5	n/a	n/a	n/a	n/a
University of New South Wales	5	5	n/a	4	n/a	4	5	n/a
University of Newcastle	4	n/a	n/a	4	n/a	n/a	5	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	4	n/a	5	4	n/a	n/a	4	n/a

Continued

Institution	04 Earth Sciences	0401 Atmospheric Sciences	0402 Geochemistry	0403 Geology	0404 Geophysics	0405 Oceanography	0406 Physical Geography and Environmental Geoscience	0499 Other Earth Sciences
University of South Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Southern Queensland	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Sydney	4	n/a	n/a	5	5	n/a	4	n/a
University of Tasmania (inc. Australian Maritime College)	4	n/a	3	5	5	5	4	n/a
University of Technology, Sydney	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of the Sunshine Coast	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Australia	4	n/a	5	4	4	4	4	n/a
University of Western Sydney	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Wollongong	4	5	n/a	5	n/a	n/a	5	n/a
Victoria University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total UoEs evaluated	20	6	10	16	8	6	16	0

05 ENVIRONMENTAL SCIENCES

Institution	05 Environmental Sciences	0501 Ecological Applications	0502 Environmental Science and Management	0503 Soil Sciences	0599 Other Environmental Sciences
Australian Catholic University	n/a	n/a	n/a	n/a	n/a
Australian National University	5	5	5	n/a	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a
Bond University	n/a	n/a	n/a	n/a	n/a
Central Queensland University	4	n/a	4	n/a	n/a
Charles Darwin University	4	4	4	n/a	n/a
Charles Sturt University	3	n/a	3	n/a	n/a
Curtin University of Technology	3	n/a	4	n/a	n/a
Deakin University	4	n/a	5	n/a	n/a
Edith Cowan University	4	n/a	4	n/a	n/a
Federation University Australia	1	n/a	1	n/a	n/a
Flinders University	3	n/a	3	n/a	n/a
Griffith University	5	5	4	4	n/a
James Cook University	5	5	5	n/a	n/a
La Trobe University	3	n/a	n/a	4	n/a
Macquarie University	5	4	5	n/a	n/a
Monash University	4	n/a	5	n/a	n/a
Murdoch University	3	n/a	4	n/a	n/a
Queensland University of Technology	4	n/a	4	n/a	n/a
RMIT University	4	n/a	5	n/a	n/a
Southern Cross University	4	n/a	5	4	n/a
Swinburne University of Technology	n/a	n/a	n/a	n/a	n/a
University of Adelaide	4	n/a	5	5	n/a
University of Canberra	5	5	5	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a
University of Melbourne	5	4	5	4	n/a
University of New England	4	n/a	4	5	n/a
University of New South Wales	4	n/a	5	n/a	n/a
University of Newcastle	2	n/a	2	n/a	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a

Continued

Institution	05 Environmental Sciences	0501 Ecological Applications	0502 Environmental Science and Management	0503 Soil Sciences	0599 Other Environmental Sciences
University of Queensland	5	5	5	4	n/a
University of South Australia	4	n/a	5	n/a	n/a
University of Southern Queensland	4	n/a	5	n/a	n/a
University of Sydney	4	n/a	5	5	n/a
University of Tasmania (inc. Australian Maritime College)	4	4	4	n/a	n/a
University of Technology, Sydney	5	n/a	5	n/a	n/a
University of the Sunshine Coast	4	n/a	5	n/a	n/a
University of Western Australia	5	5	5	5	n/a
University of Western Sydney	4	5	n/a	5	n/a
University of Wollongong	3	n/a	5	n/a	n/a
Victoria University	n/a	n/a	n/a	n/a	n/a
Total UoEs evaluated	34	11	32	10	0

06 BIOLOGICAL SCIENCES

Institution	06 Biological Sciences	0601 Biochemistry and Cell Biology	0602 Ecology	0603 Evolutionary Biology	0604 Genetics	0605 Microbiology	0606 Physiology	0607 Plant Biology	0608 Zoology	0699 Other Biological Sciences
Australian Catholic University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Australian National University	5	4	5	5	5	5	n/a	5	5	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Central Queensland University	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Darwin University	3	n/a	4	n/a	n/a	n/a	n/a	n/a	3	n/a
Charles Sturt University	2	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Curtin University of Technology	3	n/a	n/a	n/a	n/a	n/a	n/a	4	4	n/a
Deakin University	3	3	3	4	n/a	n/a	n/a	n/a	5	n/a
Edith Cowan University	4	3	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Federation University Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Flinders University	3	3	2	3	n/a	3	n/a	4	3	n/a
Griffith University	3	3	5	3	n/a	3	n/a	n/a	n/a	n/a
James Cook University	4	3	5	3	n/a	3	n/a	5	3	n/a
La Trobe University	5	5	5	n/a	4	5	5	5	5	n/a
Macquarie University	4	3	5	5	5	4	n/a	5	4	n/a
Monash University	4	4	5	4	4	4	4	5	5	n/a
Murdoch University	3	n/a	3	4	4	3	n/a	3	3	n/a
Queensland University of Technology	3	n/a	n/a	4	n/a	3	n/a	n/a	n/a	n/a
RMIT University	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/r
Southern Cross University	3	n/a	4	n/a	n/a	n/a	n/a	n/a	5	n/a
Swinburne University of Technology	3	n/a	n/a	n/a	n/a	3	n/a	n/a	n/a	n/a
University of Adelaide	4	4	5	4	5	3	n/a	5	3	n/a
University of Canberra	2	n/a	n/a	n/a	4	n/a	n/a	n/a	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Melbourne	4	4	5	4	5	4	3	4	4	n/a

Continued

Institution	06 Biological Sciences	0601 Biochemistry and Cell Biology	0602 Ecology	0603 Evolutionary Biology	0604 Genetics	0605 Microbiology	0606 Physiology	0607 Plant Biology	0608 Zoology	0699 Other Biological Sciences
University of New England	4	n/a	5	4	n/a	n/a	n/a	n/a	5	n/a
University of New South Wales	4	4	4	3	4	5	n/a	n/a	3	n/a
University of Newcastle	4	5	n/a	n/a	5	n/a	4	5	4	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	5	4	5	5	5	5	4	5	5	n/a
University of South Australia	4	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Southern Queensland	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Sydney	4	3	4	4	4	3	4	5	4	n/a
University of Tasmania (inc. Australian Maritime College)	4	n/a	5	4	n/a	n/a	n/a	5	5	n/a
University of Technology, Sydney	4	3	3	n/a	5	4	n/a	4	n/a	n/a
University of the Sunshine Coast	4	n/a	4	n/a	n/a	n/a	n/a	n/a	5	n/a
University of Western Australia	5	4	5	4	5	n/a	n/a	5	5	n/a
University of Western Sydney	4	3	5	n/a	n/a	4	n/a	5	3	n/a
University of Wollongong	3	n/r	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Victoria University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total UoEs evaluated	33	21	24	17	14	17	6	17	22	1

07 AGRICULTURAL AND VETERINARY SCIENCES

Institution	07 Agricultural and Veterinary Sciences	0701 Agriculture, Land and Farm Management	0702 Animal Production	0703 Crop and Pasture Production	0704 Fisheries Sciences	0705 Forestry Sciences	0706 Horticultural Production	0707 Veterinary Sciences	0799 Other Agricultural and Veterinary Sciences
Australian Catholic University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Australian National University	4	n/a	n/a	5	n/a	5	n/a	n/a	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Central Queensland University	4	n/r	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Darwin University	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	3	n/a	3	3	n/a	n/a	5	3	n/a
Curtin University of Technology	4	n/a	n/a	5	n/a	n/a	n/a	n/a	n/a
Deakin University	4	n/a	n/a	n/a	4	n/a	n/a	n/a	n/a
Edith Cowan University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Federation University Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Flinders University	3	n/a	n/a	n/a	3	n/a	n/a	n/a	n/a
Griffith University	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
James Cook University	3	n/a	n/a	n/a	4	n/a	n/a	4	n/a
La Trobe University	5	n/a	5	5	n/a	n/a	n/a	5	n/a
Macquarie University	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Monash University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Murdoch University	3	n/a	3	4	3	4	n/a	3	n/a
Queensland University of Technology	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
RMIT University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Southern Cross University	5	n/a	n/a	5	4	5	n/a	n/a	n/a
Swinburne University of Technology	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Adelaide	4	n/a	3	4	n/a	n/a	5	5	n/a
University of Canberra	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Melbourne	4	4	5	3	n/a	4	n/a	4	n/a
University of New England	5	5	5	n/a	n/a	n/a	n/a	n/a	n/a
University of New South Wales	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Newcastle	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	4	n/a	3	4	4	4	5	4	n/a

Continued

Institution	07 Agricultural and Veterinary Sciences	0701 Agriculture, Land and Farm Management	0702 Animal Production	0703 Crop and Pasture Production	0704 Fisheries Sciences	0705 Forestry Sciences	0706 Horticultural Production	0707 Veterinary Sciences	0799 Other Agricultural and Veterinary Sciences
University of South Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Southern Queensland	3	n/a	n/a	4	n/a	n/a	n/a	n/a	n/a
University of Sydney	4	n/a	3	3	n/a	n/a	n/a	5	n/a
University of Tasmania (inc. Australian Maritime College)	4	5	n/a	3	5	4	5	n/a	n/a
University of Technology, Sydney	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of the Sunshine Coast	4	n/a	n/a	n/a	4	3	n/a	n/a	n/a
University of Western Australia	4	5	3	4	4	n/a	n/a	n/a	n/a
University of Western Sydney	4	n/a	n/a	n/a	n/a	5	n/a	n/a	n/a
University of Wollongong	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Victoria University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total UoEs evaluated	24	5	9	13	9	8	4	8	0

08 INFORMATION AND COMPUTING SCIENCES

Institution	08 Information and Computing Sciences	0801 Artificial Intelligence and Image Processing	0802 Computation Theory and Mathematics	0803 Computer Software	0804 Data Format	0805 Distributed Computing	0806 Information Systems	0807 Library and Information Studies	0899 Other Information and Computing Sciences
Australian Catholic University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Australian National University	5	5	4	4	n/a	4	n/a	n/a	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Central Queensland University	2	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Darwin University	3	n/a	3	n/a	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	2	3	n/a	n/a	n/a	n/a	n/a	2	n/a
Curtin University of Technology	3	3	n/a	n/a	n/a	n/a	3	n/a	n/a
Deakin University	3	4	n/a	n/a	n/a	4	3	n/a	n/a
Edith Cowan University	2	2	n/a	2	n/a	n/a	2	n/a	n/a
Federation University Australia	3	4	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Flinders University	3	2	n/a	n/a	n/a	n/a	3	n/a	n/a
Griffith University	3	4	n/a	n/a	n/a	n/a	2	n/a	n/a
James Cook University	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
La Trobe University	3	3	n/a	n/a	n/a	n/a	3	n/a	n/a
Macquarie University	3	3	4	n/a	n/a	3	3	n/a	n/a
Monash University	4	4	4	4	3	4	4	4	n/a
Murdoch University	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Queensland University of Technology	3	3	n/a	3	4	n/a	5	3	n/a
RMIT University	3	4	n/a	n/a	n/a	n/a	4	2	n/a
Southern Cross University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Swinburne University of Technology	3	3	n/a	4	3	3	2	n/a	n/a
University of Adelaide	4	4	n/a	3	n/a	4	n/a	n/a	n/a
University of Canberra	3	2	n/a	n/a	n/a	n/a	3	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Melbourne	5	4	n/a	4	n/a	4	5	n/a	n/a
University of New England	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of New South Wales	5	4	4	5	n/a	4	5	3	n/a
University of Newcastle	3	3	4	2	n/a	n/a	n/a	n/a	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	4	4	n/a	4	n/a	n/a	5	n/a	n/a

Continued

Institution	08 Information and Computing Sciences	0801 Artificial Intelligence and Image Processing	0802 Computation Theory and Mathematics	0803 Computer Software	0804 Data Format	0805 Distributed Computing	0806 Information Systems	0807 Library and Information Studies	0899 Other Information and Computing Sciences
University of South Australia	3	3	n/a	n/a	n/a	3	3	n/a	n/a
University of Southern Queensland	2	n/a	n/a	n/a	n/a	n/a	2	n/a	n/a
University of Sydney	5	4	5	n/a	n/a	5	4	n/a	n/a
University of Tasmania (inc. Australian Maritime College)	2	n/a	n/a	n/a	n/a	3	2	n/a	n/a
University of Technology, Sydney	4	4	4	n/a	n/a	4	4	n/a	n/a
University of the Sunshine Coast	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Australia	4	4	3	n/a	n/a	n/a	3	n/a	n/a
University of Western Sydney	3	3	n/a	n/a	n/a	n/a	2	n/a	n/a
University of Wollongong	3	3	n/a	3	n/a	n/a	4	n/a	n/a
Victoria University	2	3	n/a	n/a	n/a	3	3	n/a	n/a
Total UoEs evaluated	34	28	9	11	3	13	24	5	0

09 ENGINEERING

Institution	09 Engineering	0901 Aerospace Engineering	0902 Automotive Engineering	0903 Biomedical Engineering	0904 Chemical Engineering	0905 Civil Engineering	0906 Electrical and Electronic Engineering	0907 Environmental Engineering	0908 Food Sciences	0909 Geomatic Engineering	0910 Manufacturing Engineering	0911 Maritime Engineering	0912 Materials Engineering	0913 Mechanical Engineering	0914 Resources Engineering and Extractive Metallurgy	0915 Interdisciplinary Engineering	0999 Other Engineering
Australian Catholic University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Australian National University	4	n/a	n/a	n/a	n/a	n/a	5	n/a	n/a	n/a	n/a	n/a	5	n/a	n/a	n/a	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Central Queensland University	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4	n/a	n/a	n/a
Charles Darwin University	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Curtin University of Technology	4	n/a	n/a	n/a	4	4	5	n/a	n/a	3	n/a	n/a	4	4	3	n/a	n/a
Deakin University	4	n/a	n/a	n/a	n/a	n/a	4	n/a	n/a	n/a	4	n/a	5	4	n/a	n/a	n/a
Edith Cowan University	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4	n/a	n/a	n/a	n/a
Federation University Australia	2	n/a	n/a	n/a	n/a	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Flinders University	3	n/a	n/a	4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4	n/a	n/a	n/a	n/a
Griffith University	4	n/a	n/a	n/a	n/a	4	4	4	n/a	n/a	n/a	n/a	4	4	n/a	n/a	n/a
James Cook University	3	n/a	n/a	n/a	n/a	3	n/a	n/a	n/a	n/a	n/a	n/a	4	n/a	n/a	3	n/a
La Trobe University	1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Macquarie University	3	n/a	n/a	3	n/a	n/a	4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Monash University	5	4	n/a	5	5	5	4	n/a	n/a	n/a	5	n/a	5	4	n/a	n/a	n/a
Murdoch University	3	n/a	n/a	n/a	n/a	n/a	n/a	3	n/a	n/a	n/a	n/a	n/a	n/a	3	n/a	n/a
Queensland University of Technology	4	n/a	n/a	4	n/a	3	4	4	n/a	n/a	n/a	n/a	5	4	n/a	n/a	n/a
RMIT University	4	5	n/a	n/a	n/a	4	5	n/a	3	n/a	n/a	n/a	5	5	n/a	n/a	n/a
Southern Cross University	3	n/a	n/a	n/a	n/a	4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4	n/a	n/a
Swinburne University of Technology	4	n/a	n/a	n/a	n/a	4	4	n/a	n/a	n/a	n/a	5	5	4	n/a	n/a	n/a
University of Adelaide	4	n/a	n/a	n/a	5	5	5	n/a	n/a	n/a	n/a	n/a	5	5	4	n/a	n/a
University of Canberra	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Continued

Institution	09 Engineering	0901 Aerospace Engineering	0902 Automotive Engineering	0903 Biomedical Engineering	0904 Chemical Engineering	0905 Civil Engineering	0906 Electrical and Electronic Engineering	0907 Environmental Engineering	0908 Food Sciences	0909 Geomatic Engineering	0910 Manufacturing Engineering	0911 Maritime Engineering	0912 Materials Engineering	0913 Mechanical Engineering	0914 Resources Engineering and Extractive Metallurgy	0915 Interdisciplinary Engineering	0999 Other Engineering
University of Melbourne	5	n/a	n/a	5	5	4	5	n/a	3	3	n/a	n/a	5	5	3	n/a	n/a
University of New England	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of New South Wales	5	n/a	n/a	4	5	5	5	n/a	5	2	4	n/a	4	3	4	n/a	n/a
University of Newcastle	4	n/a	n/a	n/a	n/a	5	5	n/a	n/a	n/a	n/a	n/a	n/a	4	5	3	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	5	n/a	n/a	5	5	5	4	5	4	n/a	n/a	n/a	5	5	3	n/a	n/a
University of South Australia	5	n/a	n/a	n/a	n/a	5	5	n/a	n/a	n/a	n/a	n/a	5	5	5	n/a	n/a
University of Southern Queensland	3	n/a	n/a	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	n/a	5	4	n/a	n/a	n/a
University of Sydney	4	4	n/a	3	3	5	4	n/a	n/a	n/a	n/a	n/a	5	4	n/a	n/a	n/a
University of Tasmania (inc. Australian Maritime College)	3	n/a	n/a	n/a	n/a	n/a	n/a	3	3	4	n/a	3	4	n/a	n/a	n/a	n/a
University of Technology, Sydney	3	n/a	4	5	3	3	3	3	n/a	n/a	n/a	n/a	4	3	n/a	n/a	n/a
University of the Sunshine Coast	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Australia	4	n/a	n/a	n/a	2	4	4	3	n/a	n/a	n/a	n/a	4	3	n/a	n/a	n/a
University of Western Sydney	4	n/a	n/a	n/a	n/a	4	4	n/a	n/a	n/a	n/a	n/a	5	3	n/a	n/a	n/a
University of Wollongong	4	n/a	n/a	n/a	n/a	5	5	n/a	n/a	n/a	5	n/a	5	4	4	n/r	n/r
Victoria University	4	n/a	n/a	n/a	n/r	n/r	5	n/a	n/r	n/a	n/a	n/a	n/a	4	n/a	n/a	n/a
Total UoEs evaluated	34	3	1	9	10	21	22	7	7	4	4	2	23	21	10	3	1

10 TECHNOLOGY

Institution	10 Technology	1001 Agricultural Biotechnology	1002 Environmental Biotechnology	1003 Industrial Biotechnology	1004 Medical Biotechnology	1005 Communications Technologies	1006 Computer Hardware	1007 Nanotechnology	1099 Other Technology
Australian Catholic University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Australian National University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Central Queensland University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Darwin University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Curtin University of Technology	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Deakin University	4	n/a	n/a	n/a	n/a	n/a	n/a	4	n/a
Edith Cowan University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Federation University Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Flinders University	4	n/a	n/a	n/a	n/a	n/a	n/a	5	n/a
Griffith University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
James Cook University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
La Trobe University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Macquarie University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Monash University	5	n/a	n/a	n/a	5	4	n/a	5	n/a
Murdoch University	3	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Queensland University of Technology	5	5	n/a	n/a	5	n/a	n/a	n/a	n/a
RMIT University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Southern Cross University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Swinburne University of Technology	4	n/a	n/a	n/a	n/a	4	n/a	5	n/a
University of Adelaide	3	n/a	n/a	n/a	n/a	n/a	n/a	5	n/a
University of Canberra	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Melbourne	4	n/a	n/a	n/a	n/a	5	n/a	n/a	n/a
University of New England	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of New South Wales	4	n/a	n/a	n/a	n/a	4	4	n/a	n/a
University of Newcastle	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	5	n/a	5	5	n/a	n/a	n/a	5	n/a

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Institution	10 Technology	1001 Agricultural Biotechnology	1002 Environmental Biotechnology	1003 Industrial Biotechnology	1004 Medical Biotechnology	1005 Communications Technologies	1006 Computer Hardware	1007 Nanotechnology	1099 Other Technology
University of South Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Southern Queensland	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Sydney	4	n/a	n/a	n/a	n/a	4	n/a	5	n/a
University of Tasmania (inc. Australian Maritime College)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Technology, Sydney	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of the Sunshine Coast	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Sydney	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Wollongong	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Victoria University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total UoEs evaluated	11	2	1	1	2	5	1	7	0

11 MEDICAL AND HEALTH SCIENCES

Institution	11 Medical and Health Sciences	1101 Medical Biochemistry and Metabolomics	1102 Cardiovascular Medicine and Haematology	1103 Clinical Sciences	1104 Complementary and Alternative Medicine	1105 Dentistry	1106 Human Movement and Sports Science	1107 Immunology	1108 Medical Microbiology	1109 Neurosciences	1110 Nursing	1111 Nutrition and Dietetics	1112 Oncology and Carcinogenesis	1113 Ophthalmology and Optometry	1114 Paediatrics and Reproductive Medicine	1115 Pharmacology and Pharmaceutical Sciences	1116 Medical Physiology	1117 Public Health and Health Services	1199 Other Medical and Health Sciences
Australian Catholic University	4	n/a	n/a	n/a	n/a	n/a	5	n/a	n/a	n/a	5	n/a	n/a	n/a	n/a	n/a	n/a	5	1
Australian National University	5	n/a	n/a	5	n/a	n/a	n/a	5	n/a	5	n/a	n/a	n/a	5	n/a	n/a	n/a	5	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	4	n/a	n/a	4	n/a	n/a	3	n/a	n/a	n/a	n/a	3	n/a	n/a	n/a	n/a	n/a	5	n/a
Central Queensland University	4	n/a	n/a	n/a	n/a	n/a	2	n/a	n/a	n/a	5	n/a	n/a	n/a	n/a	n/a	n/a	3	5
Charles Darwin University	5	n/a	n/a	5	n/a	n/a	n/a	n/a	4	n/a	5	n/a	n/a	n/a	n/a	n/a	n/a	5	n/a
Charles Sturt University	2	n/a	n/a	1	n/a	n/a	2	n/a	n/a	n/a	3	n/a	n/a	n/a	n/a	n/a	n/a	1	n/a
Curtin University of Technology	3	n/a	n/a	3	n/a	n/a	4	n/a	5	n/a	5	5	n/a	n/a	n/a	4	n/a	1	n/a
Deakin University	5	n/a	n/a	4	n/a	n/a	5	n/a	5	5	4	5	n/a	n/a	n/a	5	5	4	n/a
Edith Cowan University	4	n/a	n/a	4	n/a	n/a	3	n/a	n/a	5	5	3	4	n/a	n/a	n/a	n/a	2	n/a
Federation University Australia	3	n/a	n/a	4	n/a	n/a	3	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Flinders University	3	n/a	5	3	n/a	n/a	5	n/a	n/a	3	4	5	4	5	3	4	n/a	3	1
Griffith University	4	n/a	n/a	3	n/a	5	4	3	4	3	5	n/a	4	n/a	n/a	4	n/a	3	n/a
James Cook University	3	4	3	2	n/a	3	n/a	4	5	5	3	n/a	n/a	n/a	n/a	n/a	n/a	4	n/a
La Trobe University	3	n/a	n/a	2	n/a	n/a	5	n/a	n/a	5	5	5	n/a	n/a	n/a	n/a	n/a	1	5
Macquarie University	4	n/a	4	5	n/a	n/a	n/a	n/a	n/a	5	n/a	n/a	5	n/a	n/a	n/a	n/a	n/a	n/a
Monash University	5	5	5	5	n/a	n/a	n/a	5	5	5	4	n/a	5	n/a	4	5	5	4	n/a
Murdoch University	3	n/a	n/a	5	n/a	n/a	4	4	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3	n/a
Queensland University of Technology	4	n/a	n/a	n/a	n/a	n/a	5	n/a	n/a	n/a	4	4	4	3	n/a	n/a	n/a	4	n/a
RMIT University	3	n/a	n/a	5	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	5	5	n/a	n/a

Continued

Institution	11 Medical and Health Sciences	1101 Medical Biochemistry and Metabolomics	1102 Cardiovascular Medicine and Haematology	1103 Clinical Sciences	1104 Complementary and Alternative Medicine	1105 Dentistry	1106 Human Movement and Sports Science	1107 Immunology	1108 Medical Microbiology	1109 Neurosciences	1110 Nursing	1111 Nutrition and Dietetics	1112 Oncology and Carcinogenesis	1113 Ophthalmology and Optometry	1114 Paediatrics and Reproductive Medicine	1115 Pharmacology and Pharmaceutical Sciences	1116 Medical Physiology	1117 Public Health and Health Services	1199 Other Medical and Health Sciences
Southern Cross University	4	n/a	n/a	n/a	5	n/a	4	n/a	n/a	n/a	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Swinburne University of Technology	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3	n/a
University of Adelaide	5	n/a	5	5	n/a	5	n/a	4	5	5	5	5	5	n/a	5	5	5	5	n/a
University of Canberra	3	n/a	n/a	n/a	n/a	n/a	4	n/a	n/a	n/a	4	n/a	n/a	n/a	n/a	n/a	n/a	4	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Melbourne	5	5	4	5	n/a	5	5	5	5	5	5	4	5	5	5	4	4	5	n/a
University of New England	4	n/a	n/a	n/a	n/a	n/a	5	n/a	n/a	n/a	4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	5
University of New South Wales	4	5	5	5	n/a	n/a	3	5	3	5	4	n/a	3	3	3	4	4	3	n/a
University of Newcastle	4	n/a	5	3	n/a	n/a	5	5	n/a	5	5	5	5	n/a	5	5	4	5	3
University of Notre Dame Australia	4	n/a	n/a	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4	n/a	n/a	2	n/a
University of Queensland	5	4	5	5	n/a	5	5	5	5	5	5	4	5	n/a	4	5	n/a	5	n/a
University of South Australia	4	n/a	n/a	5	n/a	n/a	5	n/a	n/a	n/a	5	5	n/a	n/a	n/a	5	5	3	n/a
University of Southern Queensland	4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	5	n/a	n/a	n/a
University of Sydney	5	5	5	5	n/a	5	5	4	5	4	5	5	5	5	5	5	5	5	4
University of Tasmania (inc. Australian Maritime College)	4	n/a	3	5	n/a	n/a	5	n/a	n/a	5	5	n/a	n/a	5	n/a	4	n/a	3	n/a
University of Technology, Sydney	4	n/a	n/a	3	n/a	n/a	5	n/a	n/a	n/a	5	n/a	n/a	n/a	n/a	4	n/a	4	n/a
University of the Sunshine Coast	3	n/a	n/a	4	n/a	n/a	3	n/a	2	n/a	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Australia	4	n/a	5	4	n/a	4	5	5	4	4	n/a	n/a	4	4	4	4	4	4	n/a
University of Western Sydney	4	n/a	n/a	3	5	n/a	3	n/a	n/a	3	4	n/a	5	n/a	3	5	n/a	4	n/a
University of Wollongong	n/r	n/a	n/a	n/r	n/a	n/a	5	n/a	n/a	5	5	n/r	n/a	n/a	n/a	n/a	n/a	n/r	2
Victoria University	n/r	n/a	n/a	n/a	n/a	n/a	5	n/a	n/a	n/a	5	n/a	n/a	n/a	n/a	n/r	n/r	n/r	n/a
Total UoEs evaluated	39	6	12	30	3	7	29	12	14	20	30	14	14	8	11	19	11	32	8

12 BUILT ENVIRONMENT AND DESIGN

Institution	12 Built Environment and Design	1201 Architecture	1202 Building	1203 Design Practice and Management	1204 Engineering Design	1205 Urban and Regional Planning	1299 Other Built Environment and Design
Australian Catholic University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Australian National University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	2	n/a	2	n/a	n/a	n/a	n/a
Central Queensland University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Darwin University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Curtin University of Technology	3	n/a	n/a	n/a	n/a	4	n/a
Deakin University	2	2	2	n/a	n/a	n/a	n/a
Edith Cowan University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Federation University Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Flinders University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Griffith University	3	2	n/a	n/a	n/a	3	n/a
James Cook University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
La Trobe University	2	n/a	n/a	n/a	n/a	2	n/a
Macquarie University	3	n/a	n/a	n/a	n/a	3	n/a
Monash University	3	3	n/a	2	n/a	n/a	n/a
Murdoch University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Queensland University of Technology	3	3	3	3	n/a	3	n/a
RMIT University	4	5	4	4	n/a	4	n/a
Southern Cross University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Swinburne University of Technology	3	n/a	n/a	3	n/a	3	n/a
University of Adelaide	3	3	n/a	n/a	n/a	n/a	n/a
University of Canberra	2	2	n/a	n/a	n/a	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Melbourne	4	5	3	n/a	n/a	5	n/a
University of New England	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of New South Wales	4	3	3	2	n/a	5	n/a
University of Newcastle	3	3	3	n/a	n/a	n/a	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	3	4	n/a	n/a	n/a	3	n/a

Continued

Institution	12 Built Environment and Design	1201 Architecture	1202 Building	1203 Design Practice and Management	1204 Engineering Design	1205 Urban and Regional Planning	1299 Other Built Environment and Design
University of South Australia	3	n/a	n/a	n/a	n/a	3	n/a
University of Southern Queensland	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Sydney	3	4	n/a	3	n/a	3	n/a
University of Tasmania (inc. Australian Maritime College)	2	n/a	n/a	n/a	n/a	n/a	n/a
University of Technology, Sydney	3	2	2	3	n/a	3	n/a
University of the Sunshine Coast	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Australia	3	3	n/a	n/a	n/a	n/a	n/a
University of Western Sydney	3	n/a	3	n/a	n/a	2	n/a
University of Wollongong	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Victoria University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total UoEs evaluated	22	14	9	7	0	14	0

13 EDUCATION

Institution	13 Education	1301 Education Systems	1302 Curriculum and Pedagogy	1303 Specialist Studies in Education	1399 Other Education
Australian Catholic University	3	3	3	4	n/a
Australian National University	n/a	n/a	n/a	n/a	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a
Bond University	1	n/a	n/a	n/a	n/a
Central Queensland University	2	1	n/a	2	n/a
Charles Darwin University	2	n/a	n/a	2	n/a
Charles Sturt University	3	3	4	3	n/a
Curtin University of Technology	3	2	3	2	n/a
Deakin University	4	3	3	4	n/a
Edith Cowan University	2	2	2	2	n/a
Federation University Australia	2	2	2	2	n/a
Flinders University	2	2	2	2	n/a
Griffith University	3	4	3	3	n/a
James Cook University	3	2	2	2	n/a
La Trobe University	3	n/a	2	3	n/a
Macquarie University	3	3	n/a	3	n/a
Monash University	4	4	4	3	n/a
Murdoch University	3	n/a	3	3	n/a
Queensland University of Technology	4	4	5	4	n/a
RMIT University	3	3	2	3	n/a
Southern Cross University	3	2	2	n/a	n/a
Swinburne University of Technology	2	2	n/a	2	n/a
University of Adelaide	2	n/a	n/a	n/a	n/a
University of Canberra	3	2	2	3	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a
University of Melbourne	5	5	5	5	n/a
University of New England	3	2	3	2	n/a
University of New South Wales	4	n/a	2	4	n/a
University of Newcastle	3	n/a	3	3	n/a
University of Notre Dame Australia	1	n/a	1	1	n/a
University of Queensland	5	4	4	5	n/a

Continued

Institution	13 Education	1301 Education Systems	1302 Curriculum and Pedagogy	1303 Specialist Studies in Education	1399 Other Education
University of South Australia	3	3	3	3	n/a
University of Southern Queensland	2	2	1	2	n/a
University of Sydney	4	3	3	5	n/a
University of Tasmania (inc. Australian Maritime College)	3	3	3	2	n/a
University of Technology, Sydney	3	n/a	3	4	n/a
University of the Sunshine Coast	2	n/a	2	1	n/a
University of Western Australia	4	n/a	3	4	n/a
University of Western Sydney	3	3	2	3	n/a
University of Wollongong	3	n/a	4	3	n/a
Victoria University	3	2	2	3	n/a
Total UoEs evaluated	38	26	32	35	0

14 ECONOMICS

Institution	14 Economics	1401 Economic Theory	1402 Applied Economics	1403 Econometrics	1499 Other Economics
Australian Catholic University	n/a	n/a	n/a	n/a	n/a
Australian National University	4	5	3	4	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a
Bond University	2	n/a	n/a	n/a	n/a
Central Queensland University	2	n/a	2	n/a	n/a
Charles Darwin University	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	2	n/a	2	n/a	n/a
Curtin University of Technology	3	n/a	3	n/a	n/a
Deakin University	3	4	3	n/a	n/a
Edith Cowan University	2	n/a	2	n/a	n/a
Federation University Australia	1	1	n/a	n/a	n/a
Flinders University	3	n/a	3	n/a	n/a
Griffith University	2	n/a	2	n/a	n/a
James Cook University	2	n/a	n/a	n/a	2
La Trobe University	3	n/a	3	n/a	n/a
Macquarie University	3	n/a	3	n/a	n/a
Monash University	4	n/a	4	5	n/a
Murdoch University	2	n/a	2	n/a	n/a
Queensland University of Technology	3	n/a	3	n/a	n/a
RMIT University	2	n/a	3	n/a	n/a
Southern Cross University	n/a	n/a	n/a	n/a	n/a
Swinburne University of Technology	2	n/a	2	n/a	n/a
University of Adelaide	3	n/a	3	n/a	n/a
University of Canberra	2	n/a	2	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a
University of Melbourne	5	5	4	5	n/a
University of New England	2	n/a	2	n/a	n/a
University of New South Wales	5	5	5	5	n/a
University of Newcastle	2	n/a	2	n/a	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a
University of Queensland	4	5	4	4	n/a

Continued

Institution	14 Economics	1401 Economic Theory	1402 Applied Economics	1403 Econometrics	1499 Other Economics
University of South Australia	2	n/a	3	n/a	n/a
University of Southern Queensland	2	n/a	2	n/a	n/a
University of Sydney	4	3	4	3	n/a
University of Tasmania (inc. Australian Maritime College)	3	n/a	3	n/a	n/a
University of Technology, Sydney	5	5	4	5	n/a
University of the Sunshine Coast	n/a	n/a	n/a	n/a	n/a
University of Western Australia	3	n/a	3	n/a	n/a
University of Western Sydney	2	n/a	2	n/a	n/a
University of Wollongong	3	n/a	n/r	n/a	n/a
Victoria University	2	n/a	2	n/a	n/a
Total UoEs evaluated	34	8	31	7	1

15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES

Institution	15 Commerce, Management, Tourism and Services	1501 Accounting, Auditing and Accountability	1502 Banking, Finance and Investment	1503 Business and Management	1504 Commercial Services	1505 Marketing	1506 Tourism	1507 Transportation and Freight Services	1599 Other Commerce, Management, Tourism and Services
Australian Catholic University	2	n/a	n/a	3	n/a	n/a	n/a	n/a	n/a
Australian National University	4	4	4	5	n/a	n/a	n/a	n/a	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	3	2	3	4	n/a	n/a	n/a	n/a	n/a
Central Queensland University	1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Darwin University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	2	n/a	n/a	2	n/a	3	n/a	n/a	n/a
Curtin University of Technology	2	2	2	2	n/a	3	3	n/a	n/a
Deakin University	3	2	3	3	3	3	n/a	n/a	n/a
Edith Cowan University	2	n/a	n/a	3	n/a	2	2	n/a	n/a
Federation University Australia	2	n/a	n/a	2	n/a	n/a	2	n/a	n/a
Flinders University	2	n/a	1	2	n/a	n/a	2	n/a	n/a
Griffith University	3	2	2	3	3	4	4	n/a	n/a
James Cook University	2	n/a	n/a	2	n/a	n/a	3	n/a	n/a
La Trobe University	3	3	4	2	2	2	3	3	1
Macquarie University	3	2	3	3	n/a	2	n/a	n/a	n/a
Monash University	4	5	4	4	n/a	5	3	n/a	n/a
Murdoch University	2	n/a	2	2	n/a	3	3	n/a	n/a
Queensland University of Technology	3	3	n/a	4	n/a	3	n/a	n/a	n/a
RMIT University	2	2	3	2	n/a	3	n/a	n/a	n/a
Southern Cross University	2	n/a	n/a	2	n/a	n/a	3	n/a	n/a
Swinburne University of Technology	2	2	n/a	3	n/a	3	n/a	n/a	n/a
University of Adelaide	3	n/a	4	n/a	n/a	3	n/a	n/a	n/a
University of Canberra	2	n/a	n/a	n/a	2	n/a	2	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Continued

Institution	15 Commerce, Management, Tourism and Services	1501 Accounting, Auditing and Accountability	1502 Banking, Finance and Investment	1503 Business and Management	1504 Commercial Services	1505 Marketing	1506 Tourism	1507 Transportation and Freight Services	1599 Other Commerce, Management, Tourism and Services
University of Melbourne	5	5	5	5	n/a	5	n/a	n/a	n/a
University of New England	1	n/a	n/a	2	n/a	n/a	n/a	n/a	n/a
University of New South Wales	5	5	5	5	n/a	4	3	n/a	n/a
University of Newcastle	3	n/a	n/a	4	n/a	4	n/a	n/a	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	5	4	4	5	n/a	4	5	n/a	n/a
University of South Australia	3	3	n/a	4	n/a	4	3	n/a	1
University of Southern Queensland	2	n/a	2	n/a	n/a	n/a	n/a	n/a	n/a
University of Sydney	4	4	3	4	n/a	4	n/a	5	n/a
University of Tasmania (inc. Australian Maritime College)	2	n/a	n/a	2	n/a	3	n/a	n/a	n/a
University of Technology, Sydney	4	4	4	4	n/a	4	2	n/a	n/a
University of the Sunshine Coast	2	n/a	n/a	2	n/a	2	n/a	n/a	n/a
University of Western Australia	4	4	3	5	n/a	3	n/a	n/a	n/a
University of Western Sydney	2	n/a	2	2	n/a	2	n/a	n/a	n/a
University of Wollongong	2	n/r	n/a	n/r	n/a	n/r	n/a	n/a	n/r
Victoria University	2	2	n/a	2	n/a	2	3	n/a	n/a
Total UoEs evaluated	37	20	20	33	4	26	16	2	3

16 STUDIES IN HUMAN SOCIETY

Institution	16 Studies in Human Society	1601 Anthropology	1602 Criminology	1603 Demography	1604 Human Geography	1605 Policy and Administration	1606 Political Science	1607 Social Work	1608 Sociology	1699 Other Studies in Human Society
Australian Catholic University	3	n/a	n/a	n/a	n/a	n/a	3	n/a	3	n/a
Australian National University	5	4	5	4	n/a	5	5	n/a	4	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	1	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Central Queensland University	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Darwin University	2	n/a	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a
Charles Sturt University	2	n/a	3	n/a	n/a	n/a	2	2	2	n/a
Curtin University of Technology	3	n/a	n/a	n/a	3	3	n/a	n/a	n/a	n/a
Deakin University	3	n/a	3	n/a	n/a	2	2	n/a	3	n/a
Edith Cowan University	2	n/a	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Federation University Australia	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2	n/a
Flinders University	3	n/a	4	n/a	3	3	2	2	3	n/a
Griffith University	4	n/a	5	n/a	3	3	5	4	4	n/a
James Cook University	3	3	n/a	n/a	3	n/a	n/a	2	3	n/a
La Trobe University	3	3	n/a	n/a	n/a	2	4	4	3	n/a
Macquarie University	3	3	n/a	n/a	3	n/a	3	n/a	3	n/a
Monash University	4	3	4	n/a	3	n/a	4	3	4	n/a
Murdoch University	3	n/a	n/a	n/a	n/a	2	4	n/a	n/a	n/a
Queensland University of Technology	3	n/a	3	n/a	n/a	n/a	n/a	3	n/a	n/a
RMIT University	3	n/a	n/a	n/a	n/a	3	n/a	n/a	3	n/a
Southern Cross University	3	n/a	n/a	n/a	n/a	3	n/a	n/a	n/a	n/a
Swinburne University of Technology	2	n/a	n/a	n/a	n/a	n/a	1	n/a	3	n/a
University of Adelaide	4	3	n/a	4	4	n/a	3	n/a	3	n/a
University of Canberra	3	n/a	n/a	n/a	n/a	3	3	n/a	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Melbourne	4	4	3	n/a	5	4	4	4	5	n/a
University of New England	3	n/a	n/a	n/a	3	3	n/a	n/a	3	n/a
University of New South Wales	4	3	3	n/a	n/a	5	4	3	4	3
University of Newcastle	3	n/a	n/a	n/a	3	3	2	4	4	n/a
University of Notre Dame Australia	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	5	3	n/a	n/a	4	n/a	5	5	4	n/a

Continued

Institution	16 Studies in Human Society	1601 Anthropology	1602 Criminology	1603 Demography	1604 Human Geography	1605 Policy and Administration	1606 Political Science	1607 Social Work	1608 Sociology	1699 Other Studies in Human Society
University of South Australia	3	n/a	n/a	n/a	n/a	n/a	n/a	3	3	n/a
University of Southern Queensland	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Sydney	5	4	3	n/a	4	n/a	5	3	4	n/a
University of Tasmania (inc. Australian Maritime College)	3	n/a	n/a	n/a	n/a	3	n/a	n/a	4	n/a
University of Technology, Sydney	3	n/a	n/a	n/a	n/a	3	4	n/a	3	n/a
University of the Sunshine Coast	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Australia	4	3	n/a	n/a	3	n/a	n/a	n/a	4	n/a
University of Western Sydney	3	n/a	3	n/a	4	n/a	2	n/a	3	3
University of Wollongong	4	n/a	n/a	n/a	4	n/a	n/a	n/a	3	n/a
Victoria University	2	n/a	n/a	n/a	n/a	n/a	n/a	2	2	n/a
Total UoEs evaluated	39	11	13	2	15	17	20	14	27	2

17 PSYCHOLOGY AND COGNITIVE SCIENCES

Institution	17 Psychology and Cognitive Sciences	1701 Psychology	1702 Cognitive Sciences	1799 Other Psychology and Cognitive Sciences
Australian Catholic University	5	5	n/a	n/a
Australian National University	4	5	n/a	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a
Bond University	1	1	n/a	n/a
Central Queensland University	5	n/a	n/a	5
Charles Darwin University	2	2	n/a	n/a
Charles Sturt University	1	1	n/a	n/a
Curtin University of Technology	4	4	3	n/a
Deakin University	3	4	n/a	n/a
Edith Cowan University	3	n/r	n/a	n/a
Federation University Australia	2	2	n/a	n/a
Flinders University	3	4	n/a	n/a
Griffith University	3	3	n/a	n/a
James Cook University	1	1	n/a	n/a
La Trobe University	3	4	n/a	n/a
Macquarie University	4	4	n/a	n/a
Monash University	4	4	5	n/a
Murdoch University	2	3	n/a	n/a
Queensland University of Technology	2	3	n/a	n/a
RMIT University	n/a	n/a	n/a	n/a
Southern Cross University	n/a	n/a	n/a	n/a
Swinburne University of Technology	3	4	n/a	n/a
University of Adelaide	3	4	n/a	n/a
University of Canberra	n/a	n/a	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a
University of Melbourne	4	4	n/a	n/a
University of New England	3	4	n/a	n/a
University of New South Wales	5	5	n/a	n/a
University of Newcastle	4	n/r	5	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a
University of Queensland	5	5	n/a	n/a

Continued

Institution	17 Psychology and Cognitive Sciences	1701 Psychology	1702 Cognitive Sciences	1799 Other Psychology and Cognitive Sciences
University of South Australia	4	5	n/a	n/a
University of Southern Queensland	n/a	n/a	n/a	n/a
University of Sydney	4	4	5	n/a
University of Tasmania (inc. Australian Maritime College)	3	n/r	n/a	n/r
University of Technology, Sydney	n/a	n/a	n/a	n/a
University of the Sunshine Coast	3	3	n/a	n/a
University of Western Australia	5	5	n/a	n/a
University of Western Sydney	3	4	3	n/a
University of Wollongong	3	n/r	n/a	n/a
Victoria University	2	n/r	n/a	n/a
Total UoEs evaluated	33	32	5	2

18 LAW AND LEGAL STUDIES

Institution	18 Law and Legal Studies	1801 Law	1802 Maori Law	1899 Other Law and Legal Studies
Australian Catholic University	3	3	n/a	n/a
Australian National University	5	5	n/a	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a
Bond University	3	3	n/a	n/a
Central Queensland University	n/a	n/a	n/a	n/a
Charles Darwin University	n/a	n/a	n/a	n/a
Charles Sturt University	n/a	n/a	n/a	n/a
Curtin University of Technology	2	2	n/a	n/a
Deakin University	3	3	n/a	n/a
Edith Cowan University	n/a	n/a	n/a	n/a
Federation University Australia	n/a	n/a	n/a	n/a
Flinders University	3	3	n/a	n/a
Griffith University	4	4	n/a	n/a
James Cook University	3	3	n/a	n/a
La Trobe University	3	3	n/a	n/a
Macquarie University	4	4	n/a	n/a
Monash University	5	5	n/a	n/a
Murdoch University	2	2	n/a	n/a
Queensland University of Technology	3	4	n/a	n/a
RMIT University	3	3	n/a	n/a
Southern Cross University	n/a	n/a	n/a	n/a
Swinburne University of Technology	n/a	n/a	n/a	n/a
University of Adelaide	4	4	n/a	n/a
University of Canberra	3	3	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a
University of Melbourne	5	5	n/a	n/a
University of New England	3	3	n/a	n/a
University of New South Wales	5	5	n/a	n/a
University of Newcastle	3	3	n/a	n/a
University of Notre Dame Australia	2	2	n/a	n/a
University of Queensland	4	4	n/a	n/a

Continued

Institution	18 Law and Legal Studies	1801 Law	1802 Maori Law	1899 Other Law and Legal Studies
University of South Australia	4	4	n/a	n/a
University of Southern Queensland	2	2	n/a	n/a
University of Sydney	5	5	n/a	n/a
University of Tasmania (inc. Australian Maritime College)	4	4	n/a	n/a
University of Technology, Sydney	4	4	n/a	n/a
University of the Sunshine Coast	n/a	n/a	n/a	n/a
University of Western Australia	3	3	n/a	n/a
University of Western Sydney	2	2	n/a	n/a
University of Wollongong	4	4	n/a	n/a
Victoria University	n/a	n/a	n/a	n/a
Total UoEs evaluated	30	30	0	0

19 STUDIES IN CREATIVE ARTS AND WRITING

Institution	19 Studies in Creative Arts and Writing	1901 Art Theory and Criticism	1902 Film, Television and Digital Media	1903 Journalism and Professional Writing	1904 Performing Arts and Creative Writing	1905 Visual Arts and Crafts	1999 Other Studies in Creative Arts and Writing
Australian Catholic University	2	n/a	n/a	n/a	n/a	n/a	n/a
Australian National University	3	n/a	n/a	n/a	3	3	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Central Queensland University	2	n/a	n/a	n/a	2	n/a	n/a
Charles Darwin University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	1	n/a	n/a	n/a	1	2	n/a
Curtin University of Technology	3	n/a	n/a	n/a	3	n/a	n/a
Deakin University	3	n/a	3	n/a	3	2	n/a
Edith Cowan University	2	n/a	n/a	n/a	2	2	n/a
Federation University Australia	1	n/a	n/a	n/a	n/a	2	n/a
Flinders University	3	n/a	3	n/a	4	n/a	n/a
Griffith University	4	n/a	4	3	3	3	n/a
James Cook University	2	n/a	n/a	n/a	2	n/a	n/a
La Trobe University	2	n/a	n/a	2	3	n/a	n/a
Macquarie University	3	n/a	3	n/a	3	n/a	n/a
Monash University	4	4	4	n/a	4	5	n/a
Murdoch University	3	n/a	3	n/a	n/a	n/a	n/a
Queensland University of Technology	3	n/a	3	3	3	3	n/a
RMIT University	3	n/a	3	n/a	3	4	n/a
Southern Cross University	2	n/a	n/a	n/a	n/a	n/a	n/a
Swinburne University of Technology	2	n/a	n/a	n/a	n/a	n/a	n/a
University of Adelaide	4	2	n/a	n/a	4	n/a	n/a
University of Canberra	3	n/a	n/a	n/a	3	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Melbourne	4	4	4	3	4	3	n/a
University of New England	3	n/a	n/a	n/a	3	n/a	n/a
University of New South Wales	5	5	5	n/a	4	4	n/a
University of Newcastle	3	n/a	2	n/a	3	n/a	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	4	3	4	n/a	4	n/a	n/a

Continued

Institution	19 Studies in Creative Arts and Writing	1901 Art Theory and Criticism	1902 Film, Television and Digital Media	1903 Journalism and Professional Writing	1904 Performing Arts and Creative Writing	1905 Visual Arts and Crafts	1999 Other Studies in Creative Arts and Writing
University of South Australia	3	n/a	n/a	3	n/a	3	n/a
University of Southern Queensland	2	n/a	n/a	n/a	2	n/a	n/a
University of Sydney	4	4	n/a	n/a	4	4	n/a
University of Tasmania (inc. Australian Maritime College)	3	n/a	n/a	3	3	3	n/a
University of Technology, Sydney	2	n/a	n/a	n/a	2	n/a	n/a
University of the Sunshine Coast	2	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Australia	3	3	n/a	n/a	3	n/a	n/a
University of Western Sydney	3	n/a	2	n/a	3	n/a	n/a
University of Wollongong	3	n/a	n/a	n/a	3	3	n/a
Victoria University	2	n/a	n/a	n/a	2	n/a	n/a
Total UoEs evaluated	36	7	13	6	29	15	0

20 LANGUAGE, COMMUNICATION AND CULTURE

Institution	20 Language, Communication and Culture	2001 Communication and Media Studies	2002 Cultural Studies	2003 Language Studies	2004 Linguistics	2005 Literary Studies	2009 Other Language, Communication and Culture
Australian Catholic University	2	n/a	n/a	n/a	n/a	n/a	n/a
Australian National University	5	n/a	n/a	4	5	4	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Central Queensland University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Darwin University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	2	2	n/a	n/a	n/a	n/a	n/a
Curtin University of Technology	3	3	4	n/a	n/a	n/a	n/a
Deakin University	3	3	n/a	n/a	n/a	3	n/a
Edith Cowan University	2	3	2	n/a	n/a	n/a	n/a
Federation University Australia	2	n/a	2	n/a	n/a	n/a	n/a
Flinders University	3	n/a	2	n/a	n/a	3	n/a
Griffith University	3	n/a	n/a	n/a	3	n/a	n/a
James Cook University	3	n/a	2	n/a	4	3	n/a
La Trobe University	4	n/a	3	n/a	4	3	n/a
Macquarie University	4	4	3	3	4	4	n/a
Monash University	4	4	4	n/a	4	4	n/a
Murdoch University	3	3	3	n/a	n/a	3	n/a
Queensland University of Technology	4	5	4	n/a	n/a	n/a	n/a
RMIT University	4	5	4	n/a	n/a	n/a	n/a
Southern Cross University	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Swinburne University of Technology	4	4	n/a	n/a	n/a	n/a	n/a
University of Adelaide	3	n/a	n/a	n/a	n/a	4	n/a
University of Canberra	3	3	n/a	n/a	n/a	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Continued

Institution	20 Language, Communication and Culture	2001 Communication and Media Studies	2002 Cultural Studies	2003 Language Studies	2004 Linguistics	2005 Literary Studies	2009 Other Language, Communication and Culture
University of Melbourne	5	4	5	4	5	5	n/a
University of New England	3	n/a	n/a	n/a	3	3	n/a
University of New South Wales	4	4	4	n/a	3	5	n/a
University of Newcastle	3	n/a	n/a	n/a	3	4	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Queensland	5	4	5	n/a	4	5	n/a
University of South Australia	4	n/a	4	n/a	3	n/a	n/a
University of Southern Queensland	2	n/a	n/a	n/a	n/a	n/a	n/a
University of Sydney	5	4	5	n/a	3	5	n/a
University of Tasmania (inc. Australian Maritime College)	3	n/a	n/a	n/a	n/a	3	n/a
University of Technology, Sydney	4	3	4	n/a	4	n/a	n/a
University of the Sunshine Coast	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Australia	3	n/a	2	n/a	3	4	n/a
University of Western Sydney	4	3	5	n/a	4	3	n/a
University of Wollongong	4	3	4	n/a	n/a	4	n/a
Victoria University	3	n/a	3	n/a	n/a	n/a	n/a
Total UoEs evaluated	33	18	21	3	16	19	0

21 HISTORY AND ARCHAEOLOGY

Institution	21 History and Archaeology	2101 Archaeology	2102 Curatorial and Related Studies	2103 Historical Studies	2199 Other History and Archaeology
Australian Catholic University	3	n/a	n/a	3	n/a
Australian National University	5	5	4	5	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a
Bond University	n/a	n/a	n/a	n/a	n/a
Central Queensland University	n/a	n/a	n/a	n/a	n/a
Charles Darwin University	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	2	n/a	n/a	2	n/a
Curtin University of Technology	3	n/a	n/a	3	n/a
Deakin University	4	n/a	3	4	n/a
Edith Cowan University	n/a	n/a	n/a	n/a	n/a
Federation University Australia	3	n/a	n/a	3	n/a
Flinders University	3	3	n/a	4	n/a
Griffith University	4	3	n/a	4	n/a
James Cook University	4	4	n/a	n/a	n/a
La Trobe University	4	5	n/a	4	n/a
Macquarie University	4	3	n/a	4	n/a
Monash University	5	4	n/a	5	n/a
Murdoch University	4	n/a	n/a	4	n/a
Queensland University of Technology	n/a	n/a	n/a	n/a	n/a
RMIT University	n/a	n/a	n/a	n/a	n/a
Southern Cross University	n/a	n/a	n/a	n/a	n/a
Swinburne University of Technology	3	n/a	n/a	3	n/a
University of Adelaide	4	n/a	n/a	4	n/a
University of Canberra	n/a	n/a	n/a	n/a	n/a
University of Divinity	n/a	n/a	n/a	n/a	n/a
University of Melbourne	5	3	2	5	n/a
University of New England	3	3	n/a	3	n/a
University of New South Wales	5	n/a	n/a	5	n/a
University of Newcastle	4	n/a	n/a	4	n/a
University of Notre Dame Australia	n/a	n/a	n/a	n/a	n/a
University of Queensland	4	4	n/a	4	n/a

Continued

Institution	21 History and Archaeology	2101 Archaeology	2102 Curatorial and Related Studies	2103 Historical Studies	2199 Other History and Archaeology
University of South Australia	n/a	n/a	n/a	n/a	n/a
University of Southern Queensland	3	n/a	n/a	2	n/a
University of Sydney	5	5	n/a	5	n/a
University of Tasmania (inc. Australian Maritime College)	4	n/a	n/a	4	n/a
University of Technology, Sydney	3	n/a	n/a	3	n/a
University of the Sunshine Coast	n/a	n/a	n/a	n/a	n/a
University of Western Australia	4	3	n/a	4	n/a
University of Western Sydney	3	n/a	3	4	n/a
University of Wollongong	4	5	n/a	4	n/a
Victoria University	2	n/a	n/a	2	n/a
Total UoEs evaluated	28	13	4	27	0

22 PHILOSOPHY AND RELIGIOUS STUDIES

Institution	22 Philosophy and Religious Studies	2201 Applied Ethics	2202 History and Philosophy of Specific Fields	2203 Philosophy	2204 Religion and Religious Studies	2299 Other Philosophy and Religious Studies
Australian Catholic University	4	3	n/a	4	4	n/a
Australian National University	5	n/a	n/a	5	n/a	n/a
Batchelor Institute of Indigenous Tertiary Education	n/a	n/a	n/a	n/a	n/a	n/a
Bond University	n/a	n/a	n/a	n/a	n/a	n/a
Central Queensland University	n/a	n/a	n/a	n/a	n/a	n/a
Charles Darwin University	n/a	n/a	n/a	n/a	n/a	n/a
Charles Sturt University	3	4	n/a	3	3	n/a
Curtin University of Technology	2	n/a	n/a	n/a	n/a	n/a
Deakin University	3	n/a	3	3	n/a	n/a
Edith Cowan University	n/a	n/a	n/a	n/a	n/a	n/a
Federation University Australia	n/a	n/a	n/a	n/a	n/a	n/a
Flinders University	3	n/a	n/a	3	3	n/a
Griffith University	n/a	n/a	n/a	n/a	n/a	n/a
James Cook University	n/a	n/a	n/a	n/a	n/a	n/a
La Trobe University	3	n/a	n/a	3	n/a	n/a
Macquarie University	4	4	n/a	4	n/a	n/a
Monash University	4	4	4	5	4	n/a
Murdoch University	3	n/a	n/a	n/a	4	n/a
Queensland University of Technology	n/a	n/a	n/a	n/a	n/a	n/a
RMIT University	n/a	n/a	n/a	n/a	n/a	n/a
Southern Cross University	n/a	n/a	n/a	n/a	n/a	n/a
Swinburne University of Technology	2	n/a	n/a	n/a	n/a	n/a
University of Adelaide	4	n/a	n/a	5	n/a	n/a
University of Canberra	n/a	n/a	n/a	n/a	n/a	n/a
University of Divinity	3	n/a	n/a	n/a	3	n/a
University of Melbourne	4	4	4	5	3	n/a
University of New England	3	n/a	n/a	3	n/a	n/a
University of New South Wales	4	n/a	4	4	n/a	n/a
University of Newcastle	3	n/a	n/a	n/a	4	n/a
University of Notre Dame Australia	2	n/a	n/a	n/a	2	n/a
University of Queensland	4	4	5	4	4	n/a

Continued

Institution	22 Philosophy and Religious Studies	2201 Applied Ethics	2202 History and Philosophy of Specific Fields	2203 Philosophy	2204 Religion and Religious Studies	2299 Other Philosophy and Religious Studies
University of South Australia	n/a	n/a	n/a	n/a	n/a	n/a
University of Southern Queensland	n/a	n/a	n/a	n/a	n/a	n/a
University of Sydney	5	3	5	5	4	n/a
University of Tasmania (inc. Australian Maritime College)	3	n/a	n/a	4	n/a	n/a
University of Technology, Sydney	n/a	n/a	n/a	n/a	n/a	n/a
University of the Sunshine Coast	n/a	n/a	n/a	n/a	n/a	n/a
University of Western Australia	3	n/a	n/a	3	n/a	n/a
University of Western Sydney	3	n/a	n/a	3	3	n/a
University of Wollongong	3	n/a	n/a	4	n/a	n/a
Victoria University	n/a	n/a	n/a	n/a	n/a	n/a
Total UoEs evaluated	24	7	6	18	12	0



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Glossary and Appendices

GLOSSARY

Applied measures	Applied measures for ERA 2015 include patents granted; registered designs; Plant Breeder's Rights; NHMRC endorsed guidelines and research commercialisation income.
Apportioned (count)	Institutions could apportion percentages of a research output submitted to ERA 2015 between one and three four-digit codes, to a total of 100 per cent. The minimum that an output could be apportioned to an FoR code was 20 per cent.
Australia Council Grant or Fellowship	Australia Council Grants and Fellowship programmes are an ERA esteem measure. They are characterised by a strong element of peer review, are open to applicants from any State or Territory, require a minimum tenure of two years full-time equivalent and are awarded to an individual.
Cluster	A set of disciplines grouped specifically for the administrative purposes of the ERA 2015 evaluation. Clusters are made up of related two- and four-digit FoR codes. There is one Research Evaluation Committee (REC) for each cluster. The eight ERA 2015 discipline clusters were: 1. Physical, Chemical and Earth Sciences (PCE) 2. Humanities and Creative Arts (HCA) 3. Engineering and Environmental Sciences (EE) 4. Education and Human Society (EHS) 5. Economics and Commerce (EC) 6. Mathematical, Information and Computing Sciences (MIC) 7. Biological and Biotechnological Sciences (BB) 8. Medical and Health Sciences (MHS)
Commercialisation income	See 'Research commercialisation income'.
Curated or Produced Substantial Public Exhibitions and Events	A type of non-traditional research output that is specifically aimed at research outputs produced by curators rather than artists. See section 5.4.9.6 of the <i>ERA 2015 Submission Guidelines</i> for further details.
Discipline	For the purposes of ERA 2015, disciplines were defined as two- or four-digit Fields of Research (FoR) codes, as identified in the <i>Australian and New Zealand Standard Research Classification (ANZSRC) 2008</i> . The ANZSRC is available at arc.gov.au/australian-and-new-zealand-standard-research-classification-anzsrc .
Discipline Matrix	The <i>ERA 2015 Discipline Matrix</i> specifies which ERA indicators apply to which disciplines. The <i>ERA 2015 Discipline Matrix</i> is available at arc.gov.au/era-2015-submission-documents .
Eligible institutions	Australian higher education providers eligible to participate in ERA, defined as Table A and B providers listed in the <i>Higher Education Support Act 2003</i> . A list of eligible institutions is provided at Appendix 1 to this report.
Eligible researcher	A researcher who met the criteria specified at section 5.3.1 of the <i>ERA 2015 Submission Guidelines</i> (available from arc.gov.au/era-2015-submission-documents).
Employed	For ERA 2015 purposes, the term 'employed' is used in the same sense as in the <i>Higher Education Staff Data Collection (HESDC) Specifications</i> . It is used to describe the status of an eligible researcher (as 'employed' or 'employed on a casual basis').
Employee	For ERA purposes, the term 'employee' is used in the same sense as in the <i>Higher Education Staff Data Collection (HESDC) Specifications</i> .
ERA 2015 Submission Journal List	A list of journals eligible for institutions' ERA 2015 submissions. Each journal is assigned to one or more disciplines defined by FoR code(s).
ERA peer review	Review conducted of a sample of research outputs by Research Evaluation Committees (RECs) and ERA peer reviewers as part of the ERA evaluation process.

ERA peer reviewer	Independent expert who undertakes ERA peer review of a sample of research outputs as part of the ERA evaluation process.
Esteem measures	Esteem measures indicate that a researcher is held in particularly high regard by their peers or other qualified parties. Eligible esteem measures for ERA 2015 included: editor of a prestigious work of reference; membership of a learned academy and membership of AIATSIS; recipient of a nationally competitive research fellowship; membership of a statutory committee; and recipient of an Australia Council Grant or Australia Council Fellowship. See Section 5.7 of the <i>ERA 2015 Submission Guidelines</i> for further details (available from arc.gov.au/era-2015-submission-documents).
Fields of Research (FoR)	A hierarchical classification of research disciplines as set out in the Australian Bureau of Statistics <i>Australian and New Zealand Standard Research Classification (ANZSRC) 2008</i> . The term 'Fields of Research' or 'FoR' applies to all three ANZSRC levels (two-digit, four-digit and six-digit). Only two- and four-digit FoR codes are used for the purposes of ERA. The ANZSRC is available at arc.gov.au/australian-and-new-zealand-standard-research-classification-anzsrc .
Four-digit FoR	The middle level of the three hierarchical levels within the Australian Bureau of Statistics <i>Australian and New Zealand Standard Research Classification (ANZSRC) 2008</i> . An example of a four-digit FoR code is '0206 Quantum Physics'. The ANZSRC is available at arc.gov.au/australian-and-new-zealand-standard-research-classification-anzsrc .
Full-time equivalent (FTE)	FTE staffing profile based on academic salary classification, as used in HESDC. Includes Levels A–E and 'Other'.
Higher Education Research Data Collection (HERDC)	The Higher Education Research Data Collection is an annual data collection exercise undertaken by the Department of Education and Training.
HERDC Category 1 (income)	The type of research income addressed in HERDC research income Category 1, that is, grants listed on the Australian Competitive Grants Register (ACGR). See section 5.5.3.1 of the <i>ERA 2015 Submission Guidelines</i> for further details.
HERDC Category 2 (income)	The type of research income addressed in HERDC research income Category 2, that is, public sector research income other than Australian Competitive Grants. See section 5.5.3.3 of the <i>ERA 2015 Submission Guidelines</i> for further details.
HERDC Category 3 (income)	The type of research income addressed in HERDC research income Category 3, which consists of industry and other research income. For ERA purposes this income is disaggregated into the following three sub-categories: › 3 (i) Australian › 3 (ii) International A (competitive, peer reviewed) › 3 (iii) International B (other international income). See section 5.5.3.5 of the <i>ERA 2015 Submission Guidelines</i> for further details.
HERDC Category 4 (income)	The type of research income addressed in HERDC research income Category 4. It comprises research income received by Cooperative Research Centres (CRCs) in which the relevant institution is a core participant (i.e. a signatory to the CRC's Commonwealth Agreement). See section 5.5.3.7 of the <i>ERA 2015 Submission Guidelines</i> for further details.
Higher Education Staff Data Collection (HESDC)	The annual staff data collection exercise that was undertaken by the Department of Education and Training.
Indexed journal articles	For ERA purposes, 'indexed journal articles' refers to articles published in journals listed in the <i>ERA 2015 Submission Journal List</i> that were indexed by the ERA 2015 citation data supplier, SciVerse Scopus.

Learned Academies	Organisations whose individual or institutional members are devoted to the advancement of learning in one of three broad areas of knowledge: the natural sciences, humanities and social sciences. Eligible ‘membership of learned academies’ for ERA 2015 (esteem measures) included: › Australian Academy of Humanities › Australian Academy of Science › Academy of the Social Sciences in Australia › Australian Academy of Technological Sciences and Engineering › Australian Institute of Aboriginal and Torres Strait Islander Studies.
Live Performance of Creative Works	A type of non-traditional research output involving a public performance, including music, plays and dance. See section 5.4.9.4 of the <i>ERA 2015 Submission Guidelines</i> for further details.
Low volume threshold	Each discipline within an institution is only subject to ERA evaluation if a certain volume of research outputs has been submitted. For disciplines where citation analysis was used, the low volume threshold was 50 apportioned indexed journal articles. For disciplines where peer review was used, the low volume threshold was 50 apportioned research outputs. In peer review disciplines, for the purpose of calculating the low volume threshold only, books were given an effective weighting of 5:1 compared with other research outputs. See Section 3.6 of the <i>ERA 2015 Submission Guidelines</i> for more information.
Nationally Competitive Research Fellowship	Refers to a fellowship held during the esteem measures reference period, by an eligible researcher under a Category 1 programme listed on the Australian Competitive Grants Register (ACGR). Such fellowships are characterised by: › a highly competitive process open to applicants from any Australian State or Territory › a strong element of peer review › a minimum tenure of two years full-time equivalent. Further details can be obtained from section 5.7.2.5 of the <i>ERA 2015 Submission Guidelines</i>.
NHMRC Endorsed Guidelines	Guidelines endorsed by the National Health and Medical Research Council (NHMRC) including those on population health, clinical practice and ethics. They may be produced by groups external to the NHMRC, or else developed by the NHMRC with the assistance of expert working groups. See section 5.6.2.9 of the <i>ERA 2015 Submission Guidelines</i> for further details.
Non-traditional research outputs	Research outputs which do not take the form of traditional research books, book chapters, journal articles or conference publications. See section 5.4.9 of the <i>ERA 2015 Submission Guidelines</i> for further details.
Not assessed – low volume (n/a)	The unit of evaluation was not assessed because it did not have a sufficient volume of eligible research outputs to meet the low volume threshold.
Not rated (n/r)	Not rated due to coding issues.
Original Creative Works	A type of non-traditional research output, including visual art work, design/architectural work and textual work. See section 5.4.9.3 of the <i>ERA 2015 Submission Guidelines</i> for further details.
Other International (patents)	Patents that were granted in a country or region other than Australia, the United States, Europe or Japan.
Other Level	Where an eligible researcher cannot be assigned to one of the Full-Time Equivalent (FTE) levels A–E the researcher is classified as ‘Other’ level. This includes general staff and academics occupying management positions.
Patent	As defined in relevant legislation, a patent is a right granted for any device, substance, method or process which is new, inventive and useful. It is legally enforceable and gives the owner the exclusive right to commercially exploit the invention for the life of the patent. ERA 2015 applied measures include Australian standard patents (but not Australian innovation patents) and equivalent patents issued overseas. See section 5.6.2.3 of the <i>ERA 2015 Submission Guidelines</i> for further details.

Peer review	See 'ERA peer review'.
Plant Breeder's Rights (PBRs)	As defined in relevant legislation, Plant Breeder's Rights (PBRs) are proprietary rights held by breeders of certain new varieties of plants and fungi. Such rights are legally enforceable and give exclusive commercial rights to market a new variety or its propagating material for the duration of the PBR. For ERA 2015 purposes, PBRs were those granted under the <i>Plant Breeder's Rights Act 1994</i> (Cth) or their international equivalents. See sections 5.6.2.1 and 5.6.2.2 of the <i>ERA 2015 Submission Guidelines</i> for further details.
Portfolio	A collection of individual items that are derived from the same underlying research endeavour but do not in themselves constitute a research output, which together constitute a single non-traditional research output. The portfolio must be able to demonstrate coherent research content. See section 5.4.9 of the <i>ERA 2015 Submission Guidelines</i> for further information.
Prestigious work of reference	A work of reference which is recognised as one of the best in its field or sub-field, and characterised by a rigorous refereeing process and high scholarly standards. Editor of a prestigious work of reference is an esteem measure for ERA 2015. See section 5.7.2.1 of the <i>ERA 2015 Submission Guidelines</i> for further details.
Reassignment Exception	Where a journal article has significant content (66% or greater) that could best be described by a particular four-digit FoR code, institutions could assign that code to the article, even if the <i>ERA 2015 Submission Journal List</i> does not assign that code to the journal in which the article was published. This is known as the 'reassignment exception'. See Section 5.4.3.1 of the <i>ERA 2015 Submission Guidelines</i> for further details.
Recorded/ Rendered Creative Works	The research component of this output is contained within the recording/rendering and includes research outputs such as audio/visual recording, performance, digital creative work, website, etc. See Section 5.4.9.5 of the <i>ERA 2015 Submission Guidelines</i> for more information about this non-traditional research output type.
Reference periods	The set time period during which research outputs were required to have been published, research income reported under HERDC etc., in order to be eligible for inclusion in ERA submissions. ERA 2015 reference periods vary according to the type of data being collected. ERA 2015 reference periods are listed in the introduction to this report.
Registered design	A registered design is an applied measure for ERA 2015. A registered design is a design registered under the <i>Designs Act 2003</i> (where 'design' refers to the overall appearance of the product including the shape, configuration, pattern and ornamentation, which, when applied to a product, give it a unique visual appearance). See section 5.6.2.5 and 5.6.2.6 of the <i>ERA 2015 Submission Guidelines</i> for further details.
Research	For the purposes of ERA, research is defined as the creation of new knowledge and/or the use of existing knowledge in a new and creative way so as to generate new concepts, methodologies, inventions and understandings. This could include synthesis and analysis of previous research to the extent that it is new and creative. For more information, see section 3.1 of the <i>ERA 2015 Submission Guidelines</i> .
Research Commercialisation Income	Institutions may provide information on research commercialisation income, which includes income resulting from licences, options and assignments (LOAs), including running royalties, cashed in equity and other types of income. Under ERA 2015, research commercialisation income is treated as an 'applied measure' rather than 'research income'. See section 5.6.2.7 of the <i>ERA 2015 Submission Guidelines</i> for further details.
Research Evaluation Committees (RECs)	The cluster-specific committees which undertook the ERA 2015 evaluations. Each committee included internationally-recognised members with expertise in research evaluation and broad discipline expertise. REC members are listed on the ARC website at arc.gov.au/era-2015-research-evaluation-committee-rec-members .
Research output	Research outputs include books, journal articles, book chapters, conference papers and non-traditional research outputs.
Research Reports for an External Body	A research report for an external body is a written research output commissioned or solicited by an external body such as a government department or private company. See section 5.4.9.7 of the <i>ERA 2015 Submission Guidelines</i> for further details.

Staff census date	For a researcher to be eligible for ERA, the researcher must have been employed by an eligible institution at the staff census date. The staff census date for ERA 2015 was 31 March 2014.
Status	This term describes the basis on which a researcher is considered affiliated with an institution for ERA purposes, and may be 'Employed', 'Employed on a Casual Basis', or 'Other Status'. See section 5.3.2.7 of the <i>ERA 2015 Submission Guidelines</i> for more information.
Statutory committee	Membership of recognised statutory committees is an ERA esteem measure for certain disciplines. Statutory committees are recognised by Commonwealth Government agencies, including the National Health and Medical Research Council, and The United Nations, including the World Health Organization. See section 5.7.2.7 of the <i>ERA 2015 Submission Guidelines</i> for further details.
Traditional research outputs	Research outputs in the form of published research books, book chapters, journal articles or conference papers.
Triadic patents	Triadic patents are patents that are a series of corresponding patents filed at the European Patent Office (EPO), the United States Patent and Trademark Office (USPTO) and the Japan Patent Office (JPO), for the same invention by the same applicant or inventor.
Two-digit FoR	The highest of the three hierarchical levels as identified in the Australian Bureau of Statistics <i>Australian and New Zealand Standard Research Classification (ANZSRC) 2008</i> . An example is '02 Physical Sciences'. The ANZSRC is available at arc.gov.au/australian-and-new-zealand-standard-research-classification-anzsrc .
Unit of Evaluation (UoE)	A discipline, as defined by a two- or four-digit FoR code, for a specific eligible institution. In some contexts, the term refers to the package of associated ERA information (including submission data, indicators and evaluation outcomes). See section 3.3 of the <i>ERA 2015 Submission Guidelines</i> for further details.
UoEs assessed	Units of Evaluation (UoEs) that have met the low volume threshold and have been assessed by Research Evaluation Committees (RECs).
Weighted research outputs	For the purposes of determining the low volume threshold for peer review disciplines, books were given an effective weighting of 5:1 compared with other research outputs (such as journal articles).
Whole (count)	The ERA methodology provided both apportioned and whole counts of research outputs, i.e. an output apportioned 20 per cent to an FoR code would have an apportioned count of 0.2 and a whole count of 1 in that FoR code.

APPENDIX 1 — ELIGIBLE INSTITUTIONS

Australian higher education institutions eligible to participate in ERA 2015 are defined as Table A and B providers listed in the *Higher Education Support Act 2003*.

Australian Catholic University

Batchelor Institute of Indigenous Tertiary Education

Bond University

Central Queensland University

Charles Darwin University

Charles Sturt University

Curtin University of Technology

Deakin University

Edith Cowan University

Flinders University

Griffith University

James Cook University

La Trobe University

Macquarie University

MCD University of Divinity¹

Monash University

Murdoch University

Queensland University of Technology

RMIT University

Southern Cross University

Swinburne University of Technology

The Australian National University

The University of Adelaide

The University of Melbourne

The University of New England

The University of New South Wales

University of Newcastle

The University of Notre Dame Australia

The University of Queensland

The University of Sydney

The University of the Sunshine Coast

The University of Western Australia

University of Ballarat²

University of Canberra

University of South Australia

University of Southern Queensland

University of Tasmania (incorporating Australian Maritime College)

University of Technology, Sydney

University of Western Sydney

University of Wollongong

Victoria University

¹ Currently known as the *University of Divinity*

² Currently known as *Federation University Australia*

APPENDIX 2 — ANZSRC FIELDS OF RESEARCH (FOR) CODES

FoR Code	FoR Name	ERA Cluster Name
01	Mathematical Sciences	Mathematical, Information and Computing Sciences
0101	Pure Mathematics	Mathematical, Information and Computing Sciences
0102	Applied Mathematics	Mathematical, Information and Computing Sciences
0103	Numerical and Computational Mathematics	Mathematical, Information and Computing Sciences
0104	Statistics	Mathematical, Information and Computing Sciences
0105	Mathematical Physics	Mathematical, Information and Computing Sciences
0199	Other Mathematical Sciences	Mathematical, Information and Computing Sciences
02	Physical Sciences	Physical, Chemical and Earth Sciences
0201	Astronomical and Space Sciences	Physical, Chemical and Earth Sciences
0202	Atomic, Molecular, Nuclear, Particle and Plasma Physics	Physical, Chemical and Earth Sciences
0203	Classical Physics	Physical, Chemical and Earth Sciences
0204	Condensed Matter Physics	Physical, Chemical and Earth Sciences
0205	Optical Physics	Physical, Chemical and Earth Sciences
0206	Quantum Physics	Physical, Chemical and Earth Sciences
0299	Other Physical Sciences	Physical, Chemical and Earth Sciences
03	Chemical Sciences	Physical, Chemical and Earth Sciences
0301	Analytical Chemistry	Physical, Chemical and Earth Sciences
0302	Inorganic Chemistry	Physical, Chemical and Earth Sciences
0303	Macromolecular and Materials Chemistry	Physical, Chemical and Earth Sciences
0304	Medicinal and Biomolecular Chemistry	Physical, Chemical and Earth Sciences
0305	Organic Chemistry	Physical, Chemical and Earth Sciences
0306	Physical Chemistry (Incl. Structural)	Physical, Chemical and Earth Sciences
0307	Theoretical and Computational Chemistry	Physical, Chemical and Earth Sciences
0399	Other Chemical Sciences	Physical, Chemical and Earth Sciences
04	Earth Sciences	Physical, Chemical and Earth Sciences
0401	Atmospheric Sciences	Physical, Chemical and Earth Sciences
0402	Geochemistry	Physical, Chemical and Earth Sciences
0403	Geology	Physical, Chemical and Earth Sciences
0404	Geophysics	Physical, Chemical and Earth Sciences
0405	Oceanography	Physical, Chemical and Earth Sciences
0406	Physical Geography and Environmental Geoscience	Physical, Chemical and Earth Sciences
0499	Other Earth Sciences	Physical, Chemical and Earth Sciences
05	Environmental Sciences	Engineering and Environmental Sciences
0501	Ecological Applications	Engineering and Environmental Sciences
0502	Environmental Science and Management	Engineering and Environmental Sciences
0503	Soil Sciences	Engineering and Environmental Sciences
0599	Other Environmental Sciences	Engineering and Environmental Sciences

Continued

FoR Code	FoR Name	ERA Cluster Name
06	Biological Sciences	Biological and Biotechnological Sciences
0601	Biochemistry and Cell Biology	Biological and Biotechnological Sciences
0602	Ecology	Biological and Biotechnological Sciences
0603	Evolutionary Biology	Biological and Biotechnological Sciences
0604	Genetics	Biological and Biotechnological Sciences
0605	Microbiology	Biological and Biotechnological Sciences
0606	Physiology	Biological and Biotechnological Sciences
0607	Plant Biology	Biological and Biotechnological Sciences
0608	Zoology	Biological and Biotechnological Sciences
0699	Other Biological Sciences	Biological and Biotechnological Sciences
07	Agricultural and Veterinary Sciences	Biological and Biotechnological Sciences
0701	Agriculture, Land and Farm Management	Biological and Biotechnological Sciences
0702	Animal Production	Biological and Biotechnological Sciences
0703	Crop and Pasture Production	Biological and Biotechnological Sciences
0704	Fisheries Sciences	Biological and Biotechnological Sciences
0705	Forestry Sciences	Biological and Biotechnological Sciences
0706	Horticultural Production	Biological and Biotechnological Sciences
0707	Veterinary Sciences	Biological and Biotechnological Sciences
0799	Other Agricultural and Veterinary Sciences	Biological and Biotechnological Sciences
08	Information and Computing Sciences	Mathematical, Information and Computing Sciences
0801	Artificial Intelligence and Image Processing	Mathematical, Information and Computing Sciences
0802	Computation Theory and Mathematics	Mathematical, Information and Computing Sciences
0803	Computer Software	Mathematical, Information and Computing Sciences
0804	Data Format	Mathematical, Information and Computing Sciences
0805	Distributed Computing	Mathematical, Information and Computing Sciences
0806	Information Systems	Mathematical, Information and Computing Sciences
0807	Library and Information Studies	Mathematical, Information and Computing Sciences
0899	Other Information and Computing Sciences	Mathematical, Information and Computing Sciences
09	Engineering	Engineering and Environmental Sciences
0901	Aerospace Engineering	Engineering and Environmental Sciences
0902	Automotive Engineering	Engineering and Environmental Sciences
0903	Biomedical Engineering	Engineering and Environmental Sciences
0904	Chemical Engineering	Engineering and Environmental Sciences
0905	Civil Engineering	Engineering and Environmental Sciences
0906	Electrical and Electronic Engineering	Engineering and Environmental Sciences
0907	Environmental Engineering	Engineering and Environmental Sciences
0908	Food Sciences	Engineering and Environmental Sciences
0909	Geomatic Engineering	Engineering and Environmental Sciences
0910	Manufacturing Engineering	Engineering and Environmental Sciences
0911	Maritime Engineering	Engineering and Environmental Sciences
0912	Materials Engineering	Engineering and Environmental Sciences
0913	Mechanical Engineering	Engineering and Environmental Sciences
0914	Resources Engineering and Extractive Metallurgy	Engineering and Environmental Sciences
0915	Interdisciplinary Engineering	Engineering and Environmental Sciences
0999	Other Engineering	Engineering and Environmental Sciences

Continued

FoR Code	FoR Name	ERA Cluster Name
10	Technology	Biological and Biotechnological Sciences / Medical and Health Sciences / Engineering and Environmental Sciences
1001	Agricultural Biotechnology	Biological and Biotechnological Sciences
1002	Environmental Biotechnology	Biological and Biotechnological Sciences
1003	Industrial Biotechnology	Biological and Biotechnological Sciences
1004	Medical Biotechnology	Medical and Health Sciences
1005	Communications Technologies	Engineering and Environmental Sciences
1006	Computer Hardware	Engineering and Environmental Sciences
1007	Nanotechnology	Engineering and Environmental Sciences
1099	Other Technology	Engineering and Environmental Sciences
11	Medical and Health Sciences	Medical and Health Sciences
1101	Medical Biochemistry and Metabolomics	Medical and Health Sciences
1102	Cardiovascular Medicine and Haematology	Medical and Health Sciences
1103	Clinical Sciences	Medical and Health Sciences
1104	Complementary and Alternative Medicine	Medical and Health Sciences
1105	Dentistry	Medical and Health Sciences
1106	Human Movement and Sports Science	Medical and Health Sciences
1107	Immunology	Medical and Health Sciences
1108	Medical Microbiology	Medical and Health Sciences
1109	Neurosciences	Medical and Health Sciences
1110	Nursing	Medical and Health Sciences
1111	Nutrition and Dietetics	Medical and Health Sciences
1112	Oncology and Carcinogenesis	Medical and Health Sciences
1113	Ophthalmology and Optometry	Medical and Health Sciences
1114	Paediatrics and Reproductive Medicine	Medical and Health Sciences
1115	Pharmacology and Pharmaceutical Sciences	Medical and Health Sciences
1116	Medical Physiology	Medical and Health Sciences
1117	Public Health and Health Services	Medical and Health Sciences
1199	Other Medical and Health Sciences	Medical and Health Sciences
12	Built Environment and Design	Humanities and Creative Arts
1201	Architecture	Humanities and Creative Arts
1202	Building	Humanities and Creative Arts
1203	Design Practice and Management	Humanities and Creative Arts
1204	Engineering Design	Humanities and Creative Arts
1205	Urban and Regional Planning	Humanities and Creative Arts
1299	Other Built Environment and Design	Humanities and Creative Arts
13	Education	Education and Human Society
1301	Education Systems	Education and Human Society
1302	Curriculum and Pedagogy	Education and Human Society
1303	Specialist Studies in Education	Education and Human Society
1399	Other Education	Education and Human Society

Continued

FoR Code	FoR Name	ERA Cluster Name
14	Economics	Economics and Commerce
1401	Economic Theory	Economics and Commerce
1402	Applied Economics	Economics and Commerce
1403	Econometrics	Economics and Commerce
1499	Other Economics	Economics and Commerce
15	Commerce, Management, Tourism and Services	Economics and Commerce
1501	Accounting, Auditing and Accountability	Economics and Commerce
1502	Banking, Finance and Investment	Economics and Commerce
1503	Business and Management	Economics and Commerce
1504	Commercial Services	Economics and Commerce
1505	Marketing	Economics and Commerce
1506	Tourism	Economics and Commerce
1507	Transportation and Freight Services	Economics and Commerce
1599	Other Commerce, Management, Tourism and Services	Economics and Commerce
16	Studies in Human Society	Education and Human Society
1601	Anthropology	Education and Human Society
1602	Criminology	Education and Human Society
1603	Demography	Education and Human Society
1604	Human Geography	Education and Human Society
1605	Policy and Administration	Education and Human Society
1606	Political Science	Education and Human Society
1607	Social Work	Education and Human Society
1608	Sociology	Education and Human Society
1699	Other Studies in Human Society	Education and Human Society
17	Psychology and Cognitive Sciences	Medical and Health Sciences
1701	Psychology	Medical and Health Sciences
1702	Cognitive Sciences	Medical and Health Sciences
1799	Other Psychology and Cognitive Sciences	Medical and Health Sciences
18	Law and Legal Studies	Humanities and Creative Arts
1801	Law	Humanities and Creative Arts
1802	Maori Law	Humanities and Creative Arts
1899	Other Law and Legal Studies	Humanities and Creative Arts
19	Studies in Creative Arts and Writing	Humanities and Creative Arts
1901	Art Theory and Criticism	Humanities and Creative Arts
1902	Film, Television and Digital Media	Humanities and Creative Arts
1903	Journalism and Professional Writing	Humanities and Creative Arts
1904	Performing Arts and Creative Writing	Humanities and Creative Arts
1905	Visual Arts and Crafts	Humanities and Creative Arts
1999	Other Studies in Creative Arts and Writing	Humanities and Creative Arts

Continued

FoR Code	FoR Name	ERA Cluster Name
20	Language, Communication and Culture	Humanities and Creative Arts
2001	Communication and Media Studies	Humanities and Creative Arts
2002	Cultural Studies	Humanities and Creative Arts
2003	Language Studies	Humanities and Creative Arts
2004	Linguistics	Humanities and Creative Arts
2005	Literary Studies	Humanities and Creative Arts
2099	Other Language, Communication and Culture	Humanities and Creative Arts
21	History and Archaeology	Humanities and Creative Arts
2101	Archaeology	Humanities and Creative Arts
2102	Curatorial and Related Studies	Humanities and Creative Arts
2103	Historical Studies	Humanities and Creative Arts
2199	Other History and Archaeology	Humanities and Creative Arts
22	Philosophy and Religious Studies	Humanities and Creative Arts
2201	Applied Ethics	Humanities and Creative Arts
2202	History and Philosophy of Specific Fields	Humanities and Creative Arts
2203	Philosophy	Humanities and Creative Arts
2204	Religion and Religious Studies	Humanities and Creative Arts
2299	Other Philosophy and Religious Studies	Humanities and Creative Arts

