

Changing the system: advocacy and alliances for open knowledge: where we are with open access

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Publishing power is increasingly in the hands of the few

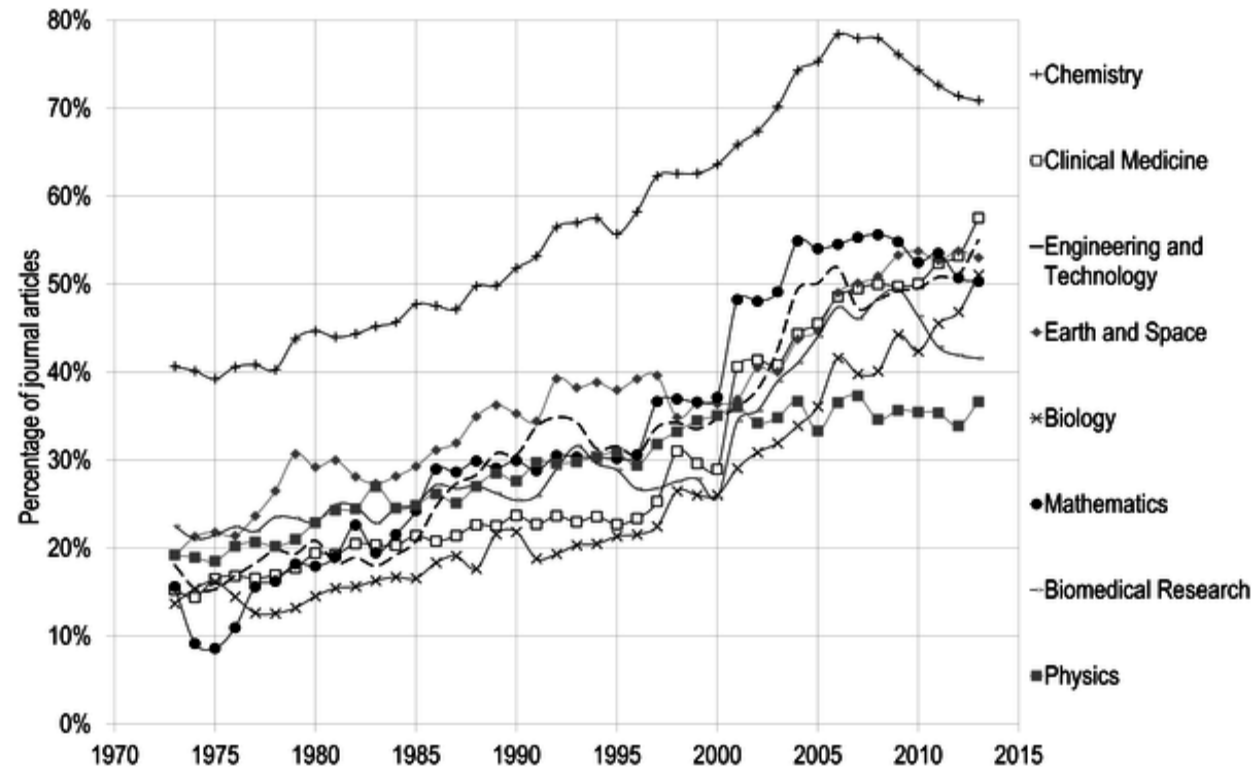


Fig 3. Percentage of papers published by the five major publishers, by discipline in the Natural and Medical Sciences, 1973–2013.

Larivière V, Haustein S, Mongeon P (2015) The Oligopoly of Academic Publishers in the Digital Era. *PLoS ONE* 10(6): e0127502.

doi:10.1371/journal.pone.0127502

<http://127.0.0.1:8081/plosone/article?id=info:doi/10.1371/journal.pone.0127502>

UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK

ELSEVIER INC., ELSEVIER B.V., ELSEVIER
LTD.

Plaintiffs,

v.

SCI-HUB d/b/a WWW.SCI-HUB.ORG, THE
LIBRARY GENESIS PROJECT d/b/a
LIBGEN.ORG, ALEXANDRA ELBAKYAN,
JOHN DOES 1-99,

Defendants.

Index No. 15-cv-4282 (RWS)

COMPLAINT

19. The ScienceDirect database is home to almost *one-quarter* of the world's peer-reviewed, full-text scientific, technical and medical content.

Signs of an urgent need for change



The image is a promotional banner for Sci-Hub, set against a background of a light-colored brick wall. On the left, a black silhouette of a crow or raven is shown in profile, holding a red key in its beak. The key is positioned as if it is about to unlock the brick wall. In the center, the text 'SCI-HUB' is written in large, bold, red, serif capital letters. Below this, a red horizontal bar with a pencil tip on the right end contains the text '...to remove all barriers in the way of science' in white. At the bottom, there is a search bar with a blue border containing the text 'enter URL, PMID / DOI or search string'. To the right of the search bar is a dark red button with a white key icon and the word 'open' in white. In the top right corner, there is a gold medal icon with a red ribbon and a black box containing the text 'the first website in the world to provide mass & public access to research papers'.

the first website in the world to provide mass & public access to research papers

SCI-HUB

...to remove all barriers in the way of science

enter URL, PMID / DOI or search string

open

What do we want?

**a fully interconnected, interoperable, open
global scholarly ecosystem.**

When do we want it?!

15 years ago!

Despite massive global impetus for change still only around 15-20% full OA **15 years after OA initially defined**

- Most research outputs have no associated license & unclear reuse rights
- Uncoordinated diversity of models
- Advocacy often pulls in opposing directions
- Excessive focus on STEM and traditional research outputs
- Need for global cooperation not well balanced with local needs

Why so slow? What's needed is complicated

Open Access

=

free access

+

reuse rights

+

author attribution rights

+

permanent archiving



An even better approach: F.A.I.R.

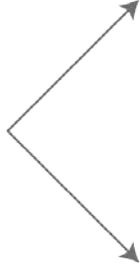
FREE < OPEN < F.A.I.R.



FREE TO READ



CREATIVE COMMONS LICENCES



SHARE



REUSE



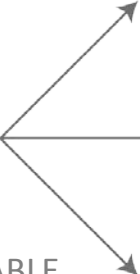
STRUCTURED FORMAT



RICH METADATA
PERSISTENT IDENTIFIERS



MACHINE READABLE
DISCOVERABLE



INDUSTRY



INSTITUTIONS



WORLDWIDE

F.A.I.R.
ENABLES
COLLABORATION
BETWEEN

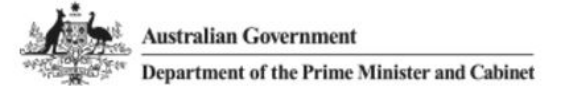
Is anything happening globally? Yes!

- EU commits to making all scientific articles & data openly accessible and reusable [by 2020](#)
- [OA2020](#) initiative moves into next phase of international co-ordination
- Wellcome Trust, Gates foundation and EU launching their own [new OA publishing platforms](#)
- Wellcome introduces [publisher requirements for OA](#)
- [Open Research Funders Group](#) partnership formed of eight US-based funders launches
- Cancellation of journal subscriptions in Germany and elsewhere
- [FASTR](#) act re-introduced to US Congress
- [Global Open \(GO\) FAIR Initiative](#) gathering momentum
- UK universities explore a National Scholarly Licence

Is anything happening regionally?

Yes!

- 2015 Public Data Policy Statement requires public data to be open with CC license unless specific reason to opt out
- 2016 National Science and Innovation Agenda launched
- 2016 ORCID Australian consortium launched
- 2017 New Zealand ORCID consortium
- 2016 Productivity Commission Inquiry into Intellectual Property Arrangements recommends implementation of national and states and territories OA policies
 - August 2017 Australian Government supports recommendation
- 2016 Productivity Commission report on data suggests review of policies and infrastructure
- 2017 National Science Statement notes OA policy
- 2016/7 ARC and NHMRC review their OA & data policies



The challenge:

how to coordinate the many (too many?) drivers of change...

Libraries – Council of Australian University Librarians (CAUL)

– Council of New Zealand University Librarians (CONZUL)

Data/Infrastructure – ANDS, Open Data Institute, NeSI

Licenses – CCAU and CCNZ, NZ GOAL

Funders – ARC, NHMRC, Royal Society NZ Marsden Fund

Peak Bodies – Universities Australia, Universities New Zealand, Learned Academies

Government – NZ Ministry of Business, Innovation and Employment

– AU Dept Science and Innovation, Dept Education and Training

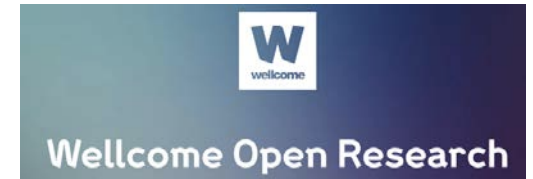
Other innovative initiatives – Open Knowledge Foundation, Software Carpentry etc, etc, etc!

...and an increasingly complex global OA ecosystem...

- Data



- Preprints



- Journals



- Archiving



- Book & monograph publishing



- Grey literature



..to build the infrastructure that allows the ecosystem to evolve

PERMANENTLY IDENTIFIED OBJECTS



LINKED TO THE RIGHT PEOPLE



WITH CLEAR REUSE RIGHTS



IN OPEN, INTEROPERABLE, HUMAN AND MACHINE READABLE FORMATS



LINKED TO RELATED OBJECTS



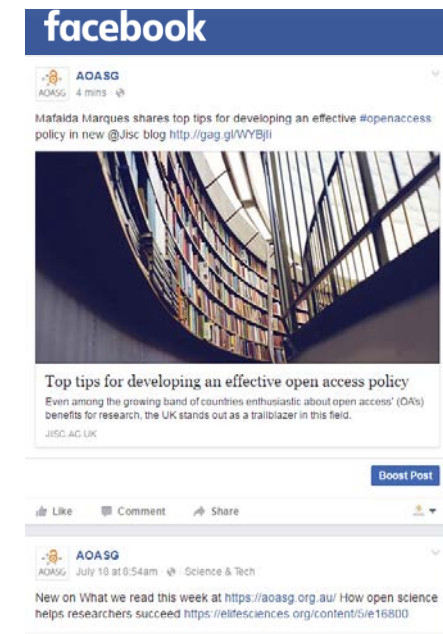
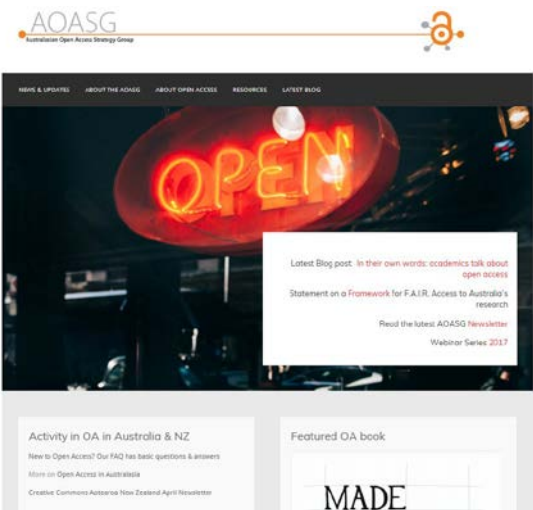
FOR A GLOBAL SCHOLARLY ECOSYSTEM



To change the system we need:

- Clear view of high level needs – the infrastructure
- Acceptance of diversity of solutions – the ecosystem
- Clever, supportive collaboration (regionally and globally)

- Recognition this is messy and hard
- Continual advocacy



Webinar #6 From open access to access to knowledge: connecting movements to democratise knowledge

Friday 22nd September

Presented by **Amanda Lawrence** – Research and Strategy Manager at APO

(Please note: There were a few occasions during this webinar where Amanda's line dropped out, we have edited those breaks out of this broadcast)

Listen here:



Amanda Lawrence

