

**CAIRSS Research Repository  
Community Days 2013**

# Open access: policies, practices & challenges

**Paula Callan & Danny Kingsley**  
29 October 2013





# PREDATORY PUBLISHING




## You may have heard...



**Who's Afraid of Peer Review?**  
John Bohannon

A spoof paper contacted by *Science* reveals little or no scrutiny at many open-access journals.

On 4 July, good news arrived in the inbox of Oronzo Colange, a biologist at the Max Planck Institute of Medicine in Aachen. It was the official letter of acceptance for a paper he had submitted 2 months earlier to the *Journal of Natural Pharmacology*, describing the anticancer properties of a chemical that Colange had extracted from a lichen.

In fact, it should have been promptly rejected. Any reviewer with more than a high-school knowledge of chemistry and the ability to understand a basic data plot should have spotted the paper's




## The pot calling the kettle black?

**I confess, I wrote the Arsenic DNA paper to expose flaws in peer-review at subscription based journals**  
By MICHAEL EISEN | Published OCTOBER 6, 2013

In 2011, after having read several really bad papers in the journal *Science*, I decided to explore just how alleged their peer-review process. I knew that their business depends on publishing "new" papers. So I created a manuscript that claimed something extraordinary - that I'd discovered a species of bacteria that was arsenic in its DNA instead of phosphorus. But I made the science as egregiously bad that no competent peer reviewer would accept it. The approach was deeply flawed - there were poor or absent controls in every figure. I used ludicrously elaborate experiments where simple ones would have done. And I failed to include a single, obvious experiment that would have definitively shown that arsenic was really in the bacteria's DNA. I then submitted the paper to *Science*, pushing up the impact the work would have on our understanding of extraterrestrials and the origins of life on Earth in the cover letter. And what do you know? They accepted it!

My sting exposed the shady underbelly of "subscription-based" scholarly publishing, where some journals routinely lower their standards - in this case by sending the paper to reviewers they know would be sympathetic - in order to pump up their impact factor and increase subscription revenue. Maybe there are journals out there who do subscription-based publishing right - but my experience should serve as a warning to people thinking about submitting their work to *Science* and other journals like it.

OK - this isn't exactly what happened. I didn't actually write the paper. For more frighteningly, it was a real paper that contained all of the flaws described above that was actually accepted, and ultimately published, by *Science*.

<http://www.michaelseisen.org/blog/?p=1439>




## The pot calling the kettle black?



**TheScientist**  
EXPLORING LIFE. INSPIRING INNOVATION.

**NO ANYBODY. NO PROBLEM.**

**Elsevier published 6 fake journals**  
Scientific publishing giant Elsevier put out a total of six publications between 2000 and 2005 that were sponsored by unnamed pharmaceutical companies and lacked the peer-reviewed medical journals, but did not disclose sponsorship, the company has admitted. Elsevier is rebranding an "internal review" of its publishing practices after allegations came to light that the company produced a pharmaceutical company-funded publication in the early 2000s without disclosing that the "journal" was fake.




- Majority of Gold OA journals do not charge authors



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All Journals New titles By subject By Country By License By Publication charges

- No Article Processing Charge (1556 journals)
- With Article Processing Charge (2843 journals)




## Identifying Predatory Publishers

*"All scholars will need to develop a new skill we might call "scholarly publishing literacy."*

Beall, J (2012) <http://eprints.rcis.org/18044/1/AERA%20paper%202.pdf>

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## Identifying Predatory Publishers

### Criteria for Determining Predatory Open-Access Publishers

By Jeffrey Beall  
2nd edition / December 1, 2012

For a current list of predatory publishers and journals, please visit: <http://scholarlyoa.com>. The author wishes to thank Bill Cohen and Dr. Michael W. Firmin for their valuable help in preparing this document.

<http://scholarlyoa.files.wordpress.com/2012/11/criteria-2012-2.pdf>

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## Identifying Predatory Publishers

- No academic information is provided regarding the editor, editorial staff, and/or review board members (e.g., institutional affiliation).
- Same editorial board for more than one journal.

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## Identifying Predatory Publishers

- Begins with a large fleet of journals, often using a template to quickly create each journal's home page.
- Provides insufficient information or hides information about author fees, offering to publish an author's paper and later sending a previously-undisclosed invoice.

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## Identifying Predatory Publishers

- The name of a journal is does not truthfully reflect its origin
- The journal falsely claims to have an impact factor
- The publisher sends spam requests for peer reviews to scholars unqualified to review submitted manuscripts.

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## Identifying Predatory Publishers

### Other clues

- Publish papers already published in other venues
- Use language claiming to be a "leading publisher" even though the publisher may only be a startup or a novice organization.
- Operate in a Western country chiefly for the purpose of functioning as a vanity press for scholars in a developing country.
- Do minimal or no copyediting.
- Publish papers that are obvious pseudo-science.
- Have a "contact us" page that only includes a web form, and the publisher hides or does not reveal its location

.....see website for full list of criteria

<http://scholarlyoa.com/2012/11/30/criteria-for-determining-predatory-open-access-publishers-2nd-edition/>

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## Scholarly Communication Transformed



### The future

Today's publication silos will be replaced by a set of decentralized, interoperable services that are built on a core infrastructure of open data and evolving standards — like the Web itself (see 'Reconstructing publishing'). This 'decoupled journal'<sup>3,4</sup> publishes promiscuously, then subjects products to rigorous review through the aggregated judgements of expert communities, supporting both rapid, fine-grained filtering and consistent, meaningful evaluation.

[http://www.nature.com/nature/journal/v495/n7442/full/495437a.html?WT.ec\\_id=NATURE-20130328](http://www.nature.com/nature/journal/v495/n7442/full/495437a.html?WT.ec_id=NATURE-20130328)

Another big year

## NEWS IN THE OA SPACE

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## Wiley backflip

- Standard position: No to green unless there is a 'separate agreement'
- As of last week: offer explicit support [Green] for the NHMRC and ARC dissemination policies.
  - "ARC and NHMRC funded authors may self-archive the author accepted version of their paper (authors manuscript) after a 12-month embargo period from publication in an open access institutional repository. If articles are made open access following payment of an article publication fee, it is not necessary to archive the author's manuscript, but the metadata must be available in the institutional repository with a link to the published article of record on Wiley Online Library." <http://olabout.wiley.com/WileyCDA/Section/id-406074.html>

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## Open Access is on the world agenda

- Canada's tricouncil funding agencies draft OA policy (15 October 2013)
  - Comments due by 13 December
- Indian Council of Agricultural Research OA policy (13 September 2013)
  - Each institute needs to set up an IR - a central harvester
- Higher Education Funding Council for England (HEFCE) announced plans to make publicly-funded research more freely available (16 July 2013)
  - only work that is deposited in a repository on acceptance would be eligible for consideration in the post-2014 Research Excellence Framework (REF).
- G8 Ministers of Science statement (13 June 2013)
- Global Research Council (27 May 2013)
- UNESCO announces open access policy (13 May 2013)
- Research Councils of UK's open access policy in effect (1 April 2013)
- Obama Administration new policy (22 February 2013)
  - U.S. Federal agencies spending over \$100 million in research and development have to have a plan to "support increased public access to the results of research funded by the Federal Government" within 12 months.
- The European Commission (2012)
  - Under their Research & Innovation funding programme, all articles produced with funding from Horizon 2020 (€80-billion (US\$98-billion) research-funding programme for 2014–20 will have to be accessible as of 2014

<http://aoasg.org.au/statements-on-oa-in-australia-the-world/>

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## UK – Finch & RCUK

- Finch Report (June 2012) recommended gold OA for all UK research
  - Initially UK govt said no extra \$, then said £10 million
- RCUK policy in place 1 April
  - Publishers (esp Emerald) have changed their policies – extending or introducing embargoes
  - Affects everyone – including Australians
- BIS report published 10 Sept, said focus on gold is wrong.
  - Actually it says most of the Finch report is wrong
  - Finch meeting Sept 'to review progress in the implementation of its recommendations'

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## US – Obama govt directive

- February 22 - Obama Administration released policy "Increasing access to the results of federally funded scientific research"
  - within 12 m agencies spend over \$100million have to have an OA plan
- Plans to assist the process
  - CHORUS – publishers deposit metadata of funded papers Users look via CHORUS or through the funding agency site, & view the paper through a link back to the publishers site.
  - SHARE - federate existing university-based digital repositories, obviating the need for central repositories.
- Not much information on what agencies have been doing

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## Around the corner...

- “Assessing Research Impact” govt discussion paper
  - AOASG recommended that making work OA and download counts be used as a measure
- Australian Law Reform Commission – Copyright and the Digital Economy
  - discussion on the proposal paper closed July 2013
  - May change the rules about orphan works (allowing legacy theses to be made OA)
- Govt policy on open access to all govt funded research (publications and data)
  - Supposed to be released for discussion pre- election
  - Unknown whether it will remain in the same form



## Training – ALIA & TAFE



## Catching the Third Wave - maintaining digital repositories

- Defining the scope of the coverage of a digital repository
- Selecting resources to add to the digital repository
- Using relevant software applications and equipment to create objects for the repository
- Creating and editing descriptive, technical and administrative metadata to provide access
- This unit covers content within CULICM501A Maintain Digital Repositories in the National Training Package. Participants will receive a TAFENSW statement of completion of this unit. This unit would be recognised for RPL (recognition of prior learning) purposes.
- Tuesday 29 October 2013 (All day) to Friday 06 December 2013 (All day)
- “The course has been developed by Syd TAFE staff - delivered via Moodle web interface, led by 1-2 teachers
- Members \$350 inc GST Partner Org’s \$438 inc GST Non-Members \$525 inc GST



Continuing on the tradition

## PUBLISHER PUSH-BACK



## Depends on the ‘prism’ you look through



Partnership of Research Integrity in Science & Medicine ~2007 – [www.prismcoalition.org](http://www.prismcoalition.org)



## 2012 proposed law that affects scholarly publishing

- Research Works Act (RWA)
  - US House Bill 3699 introduced 16 December 2011
- It would be illegal for government funding body to make OA publication a condition of funding
- Put forward by two congress people
  - Found to both have accepted large donations from Elsevier in previous financial year
- Major blogging campaign & Elsevier boycott – petition started by Tim Gowers
- Elsevier withdrew support for Bill - pulled 28 February 2012



## Creation of mega journals

- PLOS ONE phenomenally successful
- Now other publishers doing the same thing:
  - Sage OPEN – APC of \$99
  - BMJ Open
  - Scientific Reports (Nature)
  - AIP Advances (Am Inst Physics)
  - G3 (Genetics Soc of America)
  - Biology Open (Company of Biologists)
  - Physical Review X (Am Physical society)
  - Open Biology (Royal Society)
  - Cell Reports (Elsevier, Cell Press)

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## Membership model

- Full (cover all costs) or partial (cover a % of APC)
- BioMed Central & PLOS have been doing it for years
- Now – Many hybrid publishers offering ‘membership’ model
  - Wiley Open Access - Institutional & funder accounts
  - Royal Society Membership Programme
  - Springer Open Access Membership Programme (with BMC)
  - Taylor & Francis - Open Access Partnership
- These lock institutions in to certain publishers

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## Charging more for CC-BY

- Many mandates require CC-BY on OA articles.
- Nature press release November 2012
  - "NPG expands Creative Commons Attribution license options"
  - [http://www.nature.com/press\\_releases/cc-licenses.html](http://www.nature.com/press_releases/cc-licenses.html)
- If the author (paying for hybrid) wants the less restrictive CC-BY license it will cost between GBP100 to GBP400 MORE than if they take the more restrictive CC -BY-NC-ND or CC-BY-NC-SA

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## The biggest challenge for OA advocacy

- Publishers send acceptance emails to authors offering paid OA option as a way to ‘meet funder mandates’
- This is hugely effective and hard for us to counter

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## OPEN ACCESS AND BOOK PUBLISHING

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## OA Scholarly Monographs


<http://www.doabooks.org/>

1588 Academic peer-reviewed books from  
54 publishers

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## Why?

<http://www.wellcome.ac.uk/News/Media-office/Press-releases/2013/WTP052746.htm>

Wellcome Trust extends open access policy to include scholarly monographs and book chapters

[http://www.arc.gov.au/applicants/open\\_access.htm](http://www.arc.gov.au/applicants/open_access.htm)

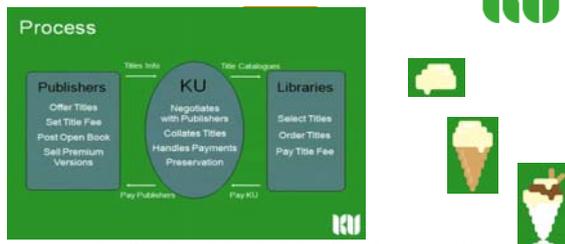
## OA Monograph Business Models

- Collaborative underwriting
  - eg Knowledge Unlatched
- Dual editions
  - eg ANU ePress
- Institutional subsidies
  - eg Purdue ePubs
- Liberation
  - eg Unglue it
- Freemium/ Value-added services
  - Eg Open Edition
- Publication fees
  - eg Springer Open Books

[http://oad.simmons.edu/oadwiki/OA\\_book\\_business\\_models](http://oad.simmons.edu/oadwiki/OA_book_business_models)

## Collaborative underwriting

### Knowledge Unlatched



<http://www.knowledgeunlatched.org/about/how-it-works/>

## Knowledge Unlatched

**Publishers**

- Offer titles to Knowledge Unlatched 9-15 months before publication
- Recommend a Title Fee within KU guide-lines
- Metadata in ONIX form (Additional metadata welcomed e.g. MARC21)
- KU confirmation of library commitment sent to publishers

**Member Libraries**

- Pay Knowledge Unlatched - quarterly as titles are published (KU then pays the publisher)
- Select premium versions at any time and purchase through designated vendors or direct from publishers - with discounts
- Receive credits/cash back if more than minimum number of libraries unmatch a title
- Costs to libraries will reduce as KU grows in membership and titles

## MediaObject <http://www.mediaobject.net>

**MediaObject**

MediaObject is a book series that is focused on publications from researchers and artists exploring and documenting practice based projects not based primarily in text.

CMAIQ e

Women and productivity OpenCode and Reaching thresholds with OpenCode Digital Books OpenCode Multi-act Culture Reaching for the Stars

A monograph by Cecilia Moller Edited by Zoe Selkowitz

## The death of the academic book and the path to Open Access

22 October 2013, 2:00pm AEST

**Author**  
Roxanne Missingham  
University Librarian at Australian National University



<http://theconversation.com/the-death-of-the-academic-book-and-the-path-to-open-access-19153>

## Issues

- Handling OA books may be more costly for libraries than profile-driven ordering
- What will be the role of subject librarians?
- Will OA publishers accept book *proposals* or want to see a finished draft?
- How will impact be assessed?



## OA Books - Resources

<http://www.openoasis.org>

<http://aoasg.org.au/oa-monographs-developments/>

<http://www.open.org/home>

<https://www.jisc-collections.ac.uk/Reports/oabooksreport>

[http://oad.simmons.edu/oadwiki/OA\\_book\\_business\\_models](http://oad.simmons.edu/oadwiki/OA_book_business_models)

Some new players, and other older ones have gone...

## OPEN ACCESS & SOCIAL MEDIA



## Social Media and OA

- "if you want people to read your papers, make them open access, and let the community know (via blogs, twitter, etc.) where to get them.. Not rocket science. But worth spending time doing.

Terras, M. (2012). The impact of social media on the dissemination of research: Results of an experiment. *Journal for Digital Humanities*, 1(3).  
<http://www.ucl.ac.uk/dis/people/melissaterras>



## Social media & staff profile pages




QUT academics tweeting links to their OA pubs in QUT ePrints



Marcus Foth (@sunday5pm) RT @OUT Gov 2.0 initiatives mean we know what programs our cities. More in today's ePrint by @sunday5pm @matsumoto etal ow.ly/iaViuJ

12 Apr 12

Program your city : designing an urban integrated open data API

Statistics Overview  
Program your city : designing an urban integrated open data API

Download Open Access PDF (PDF)

View all statistics (P)

April 12<sup>th</sup> tweet links to open access copy in QUT ePrints

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Marcus Foth (@sunday5pm) RT @OUT Gov 2.0 initiatives mean we know what programs our cities. More in today's ePrint by @sunday5pm @matsumoto etal ow.ly/iaViuJ

12 Apr 12

Program your city : designing an urban integrated open data API

Statistics Overview  
Program your city : designing an urban integrated open data API

You can see the impact of the tweet on downloads

Apr 2012 Downloads 127

Key Figures

Details	Total Usage	Last 28 Days
Deposited 27 March 2012	303 Downloads (P)	16 Downloads
	3 Referrals to Published Version (P)	

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## OA & Social Media Platforms

Google scholar

academia.edu  
who's researching what

ResearchGate

MENDELEY

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QUT Open Access Support Group

## Free & simple - Google citations

Dr Danny Kingsley

Visiting Fellow - CPAS & EO Australian Open Access Support Group  
open access - scholarly communication - repositories - publication - authorship  
Verified email at anu.edu.au

Google scholar

Search Authors

My Citations - Help

Back to list	Export		
Title	The journal is dead, long live the journal		ePrint from qut.edu.au
Authors	Danny Kingsley		
Publication date	2007/10/2		
Journal name	On the horizon		
Volume	15		
Issue	4		
Pages	219-221		
Publisher	Emerald Group Publishing Limited		
Description	Purpose - The purpose of this paper is to argue that the traditional scholarly journal system is outdated and in need of reform, and new related technologies provide opportunities for		
Publishing reports on journals and journal articles			
R. Clancy, D. Kingsley	Journal of Internet Commerce 7 (1): 103-101	12	2008
Those who don't look don't find: disciplinary considerations in repository authorship			
D. Kingsley	ODLJ: Open Access & Services 14 (4): 304-318	10	2008
Repositories, research and reporting the conflict between institutional and disciplinary needs			
D. Kingsley	Media evolution in ODLJ on 2011-01-07 (10): 38-422 (2007), No. of citations	6	2008
The one that got away? Institutional reporting changes and open access in			

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## ResearchGate

- Social networking site for academics
- Supported through private backing (eg: Bill Gates foundation)
- Place to put publications, collaborate, engage in conversations with colleagues
- Is a repository (retains a copy of work, rather than pointing to it)
- Dilutes IR downloads

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## Easy to add work

What type of research do you want to add?

To add your research to your profile, please select a category below. Anything you add will be given its own page so that others can cite, interact with, and share your work. Learn more

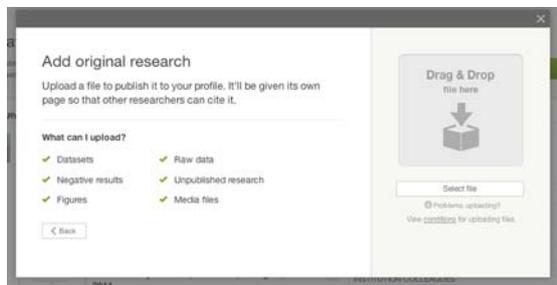
Peer-reviewed  
Add your peer-reviewed research, such as articles and conference proceedings, to your profile.

Supplementary resources  
Add resources such as datasets and negative results to your existing publications.

Non-peer-reviewed  
Publish your non-peer-reviewed research to get feedback on it from other researchers.

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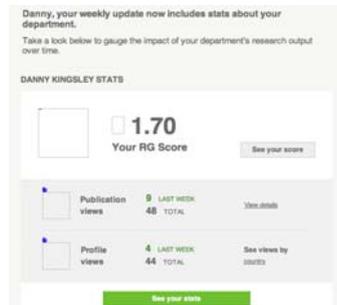
### How does this compare to your repository deposit process?



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### Constant emails

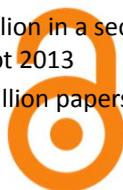


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### Academia.edu

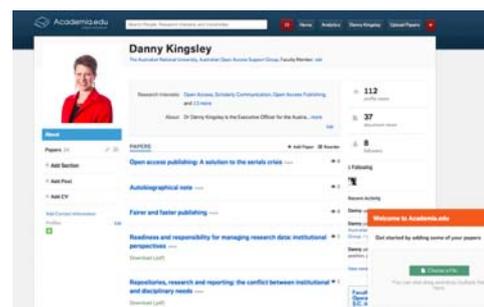
- “a place to share and follow research”
- Raised \$11.1 million in a second round of funding – 26 Sept 2013
- Published 1.6 million papers since its launch in 2008



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### Gives a home page – profile etc

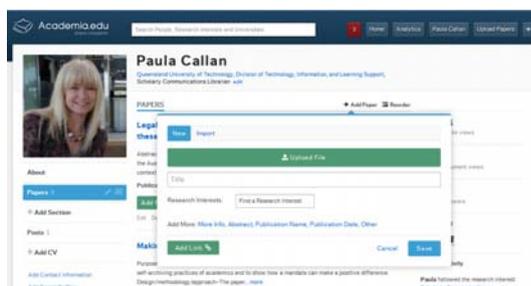


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### Academia.edu

<http://www.academia.edu/>



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### Mendeley

- Founded 2008
- free **reference manager** and **academic social network** that can help you organize your research, collaborate with others online, and discover the latest research
- Bought by Elsevier 12 April 2013



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**Mendeley**



**The profits of free books: an experiment to measure the impact of open access publishing**  
 Ronald Snijder in *Learned Publishing* (2010)  
 This article describes an experiment to measure the impact of open access (OA) publishing of academic books. During a period of nine months, three sets of 150 books were...

Save PDF to library | Related research | 7 readers

**AUPress : A Comparison of an Open Access University Press with Traditional Presses**  
 Rory McGreal, Nian-shing Chen in *Educational Technology & Society* (2011)  
 This study is a comparison of AUPress with three other traditional (non-open access) Canadian university presses. The analysis is based on the rankings that are correlated with book sales

Save PDF to library | Related research | 14 readers

1 million + users  
 Sharing over 60 million research papers

<http://www.mendeley.com>




**Connotea**

- Built by Nature Publishing Group 2004
- A del.icio.us for academia
- Discontinued 12 March 2013



Connotea Organise. Share. Discover.




**Perils of relying on social media sites**



For more papers published by the journal

**The effect of open access and downloads ('hits') on citation impact: a bibliography of studies**

Find your way through the bibliography  
 Keyword search | All OA titles | OA impact | OA impact studies | Rankings of OA impact studies  
 Latest articles | Links to original data  
 Web tools for assessing impact | Comparative analysis

Latest articles on OA impact

This update service is no longer available following the closure of Connotea. It may be resumed if a suitable alternative service is found.




That was the year that was...

**AUSTRALIAN OPEN ACCESS SUPPORT GROUP**




**aoasg.org.au**

- Website includes:
  - Australian-specific OA lists
  - Information about mandates
  - Downloadable resources for OA advocacy
  - Blogs explaining OA news events
  - Blogs including commentary and observation




**The numbers have it**

- 440 Twitter followers - @openaccess\_oz
- 222 members on discussion list
  - 72% libraries, 9% researchers, 5% government, 5% uni admin
- 27,457 visits to webpage. Most popular pages:
  - About the AOASG
  - So you want people to read your thesis?
  - Journal editors take note – you have the power
  - Australian OA journals
  - Walking in quicksand - keeping up with copyright agreements
  - Comparison of ARC & NHMRC policies

(As at 26 October 2013)




## Media interest

- ABC radio - AM radio program
- The Project (TV)
- The Australian
- The Guardian (UK)
- Featured in blogs overseas
- The Conversation:
  - *UKs OA policies have global consequences*  
17 September - 1335 reads
  - *Busting the top 5 myths about open access*  
11 July - 5116 reads
  - *What is open access and why should we care?*  
15 January - 3863 reads

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## Presentations

- History Editor's meeting – Feb, ANU
- Information Online 2013 – Feb, Brisbane
- CPA Researcher summit - June, Sydney
- National Scholarly Communication Forum – May, ANU
- ARMS conference – Sept, Adelaide
- AAMRI – Oct, Canberra
- CAIRSS – Oct, Brisbane
- Open Access Research conference – Oct, Brisbane
- Towards Research Excellence – Dec, Sydney
  - Plus visits to: CSU, Macquarie, ECU, WAGUL & Victoria (next week)

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## Expert advice

- Feature article for the Dept of Innovation *2013 Australian Innovation System Report*
- Submission to the "Assessing Research Impact" govt discussion paper
- ARC using the AOASG decision tree on their website
- Working with AAMRI on issues
- Organised event – ARC & NHMRC discuss policies (on YouTube)

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## Broader impact?



<http://svpow.com/2013/05/11/the-sv-pow-open-access-decision-tree/>

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## Broader impact? - Blogs

- **Journal editors take note – you have the power**
  - T&F indefinitely extended their trial LIS articles fully green. Reblogged & translated into Italian
- **Walking in quicksand – keeping up with copyright agreements**
  - Richard Poynder followed up with both Springer & Emerald. In turn these were quoted in UK House of Commons BIS Committee report
- **Accessibility is more than making the paper OA**
  - Huge response, reblogged in LSE Impact of Social Science blog
- **So you want people to read your thesis**
  - Biggest single day of visitors to site ^12 – thanks Thesis Whisperer!
- **Shall we sing in CHORUS or just SHARE?**
  - Feedback from a company director in US – thank you for effort to look at both initiatives without prejudice

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## Questions?

Australian Open Access Support Group

w: <http://aoasg.org.au>

e: [eo@aoasg.org.au](mailto:eo@aoasg.org.au)

p: 02 6125 6839

t: @openaccess\_oz

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