

# Let's just get on with it – 'open' in Australia in 2019

CAUL Research Repositories Community Days

Rydges Sydney Central

28 October 2019

#CAULRD2019

Slides available:

<https://www.slideshare.net/DannyKingsley/lets-just-get-on-with-it-open-in-australia-in-2019>

**Dr Danny Kingsley**

Scholarly Communication Consultant

**@dannykay68**

# Last year I gave a talk

- It was the 10 year meeting of Repository Fringe, so I called it “That was then, this is now. What’s next?”
- That talk went into detail about where we have been and where repositories are now and some future predictions
- It was three months before Plan S was announced
- I’m not repeating that talk. You can check it out here <https://www.repository.cam.ac.uk/handle/1810/277677>
- Today I am focusing on where we are at in Australia in relation to the open agenda



# Much ink has been spilled over Plan S

Home > Open Access Tracking Project (OATP)

Tag "oa.plan\_s" – 770 items

RSS 0 ATOM 0 JSON 0

Items ?

Sort by: Date tagged Date published

< 1 2 3 ... 31 > 1 - 25 of 770 25

Open Access Week 2019 – What are we talking about and where are we going? | Impact of Social Sciences

<https://blogs.lse.ac.uk/impactofsocialsciences/2019/10/24/open-access-week-2019-what-are-we-talking-about-and-where-are-...>

petersuber's tagged items 10/25/2019

oa.new oa.oa\_week oa.plan\_s oa.p&t oa.oer

Decrypting the Big Deal Landscape: Follow-up of the 2019 EUA Big Deals Survey Report

<https://eua.eu/downloads/publications/2019%20big%20deals%20report.pdf>

petersuber's tagged items 10/25/2019

oa.new oa.publishing oa.big\_deals oa.publications oa.business\_models oa.publishing\_cost  
oa.eua oa.plan\_s oa.costs oa.prices oa.europe oa.conversions oa.monopoly  
oa.offsets oa.budgets oa.comparisons oa.agreements oa.negotiations



[http://tagteam.harvard.edu/hubs/oatp/tag/oa.plan\\_s](http://tagteam.harvard.edu/hubs/oatp/tag/oa.plan_s)

# Disproportionate



“Australia is now responsible for roughly 4% of the total scientific output in the WoS, despite having only 0.3% of the world’s population and 1.6% of world GDP.”

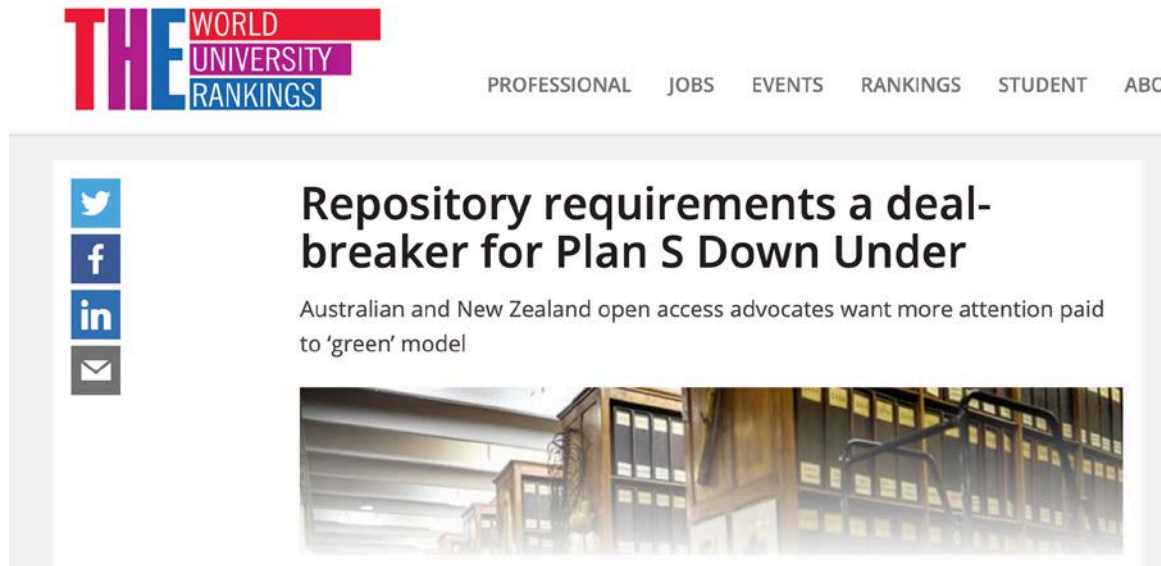
<https://www.iru.edu.au/news/australian-researchers-productivity-boom/>

Image – Danny Kingsley



0.8% of commentary on Plan S relates to Australia

# Two articles from a UK news outlet

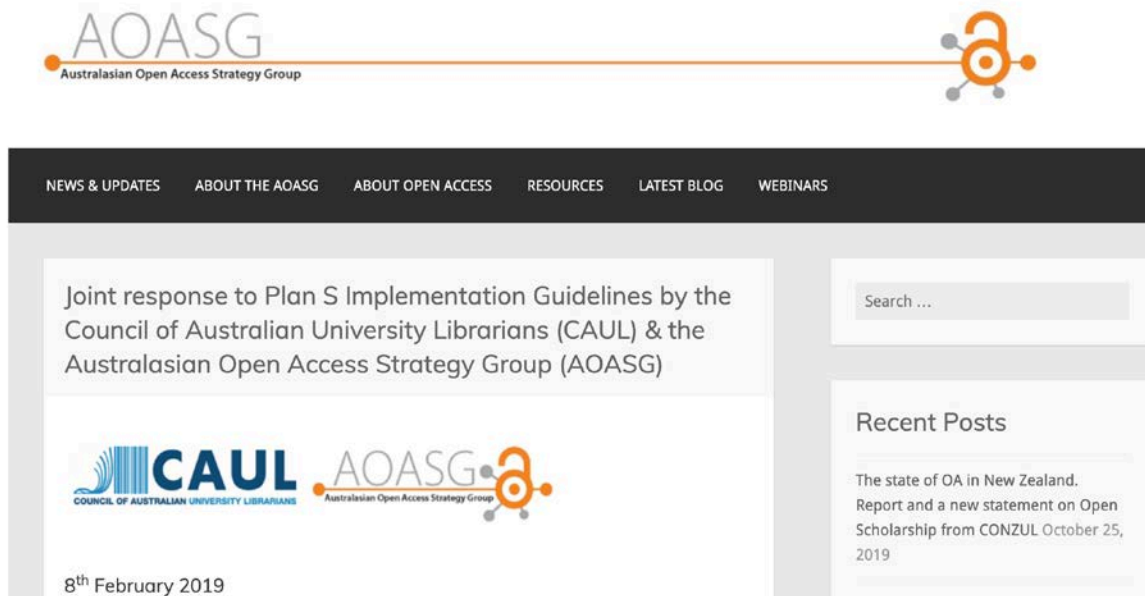


<https://www.timeshighereducation.com/news/repository-requirements-deal-breaker-plan-s-down-under> (24 Feb 2019)

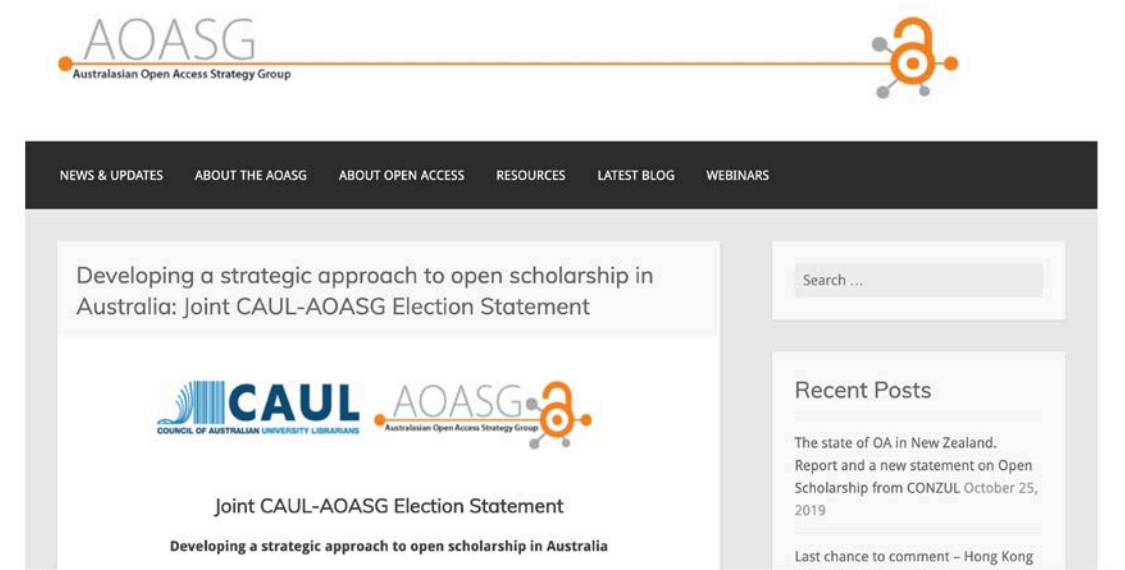


<https://www.timeshighereducation.com/news/australian-funders-urged-join-plan-s-open-access-drive>  
(2 April 2019)

# Two statements from AOASG & CAUL



<https://aoasg.org.au/joint-response-to-plan-s-implementation-guidelines-by-the-council-of-australian-university-librarians-caul-the-australasian-open-access-strategy-group-aoasg/> (8 Feb 2019)



<https://aoasg.org.au/developing-a-strategic-approach-to-open-scholarship-in-australia-joint-caul-aoasg-election-statement/>  
(13 May 2019)





# Two commentaries from researchers

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L'importanza della EBM (Evidence Based Medicine) nei processi decisionali in campo sanitario

Webinar - 5 novembre 2019, 13:00 CET

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Australia's most trusted source of medical information

Editorials | Free Access

Disrupting medical publishing and the future of medical journals: a personal view

Christine E Gee, Nicholas J Talley AC

First published: 18 August 2019 | <https://doi.org/10.5694/mja2.50281>

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<https://onlinelibrary.wiley.com/doi/full/10.5694/mja2.50281>  
(18 Aug 2019)

THE CONVERSATION  
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All publicly funded research could soon be free for you, the taxpayer, to read

February 25, 2019 6:15am AEDT

The new 'Plan S' initiative focuses on making all publicly funded research immediately fully and freely available by open access publication. [from www.theconversation.com](https://www.theconversation.com)

What happens to research that is funded by taxpayers? A lot ends up in subscription-only journals, protected from the eyes of most by a paywall.

But a new initiative known as Plan S could change that. Plan S focuses on making all publicly funded research immediately fully and freely available by open access publication.

Authors

Ritesh Chugh  
Senior Lecturer/Discipline Lead - Information Systems and Analytics, CGU University Australia

<https://theconversation.com/all-publicly-funded-research-could-soon-be-free-for-you-the-taxpayer-to-read-111825> (28 Feb 2019)



# Plan S is a funder-led initiative

- In 2017-2018, in Australia:
- National Health and Medical Council (NHMRC) - about \$943 million in funding <https://www.nhmrc.gov.au/about-us/publications/annual-report-2017-2018>
- Australian Research Council (ARC) - \$758 million in funding <https://www.arc.gov.au/policies-strategies/policy/annual-reports-australian-research-council>



# What works with policies?

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COMMENT · 24 OCTOBER 2018

## **Do authors comply when funders enforce open access to research?**

The first large-scale analysis of compliance with open-access rules reveals that up to one-third of articles are not free to read, report Vincent Larivière and Cassidy R. Sugimoto.

Vincent Larivière & Cassidy R. Sugimoto 

Effective policies are mandates, monitor compliance, impose sanctions and do best where infrastructure is available.

<https://www.nature.com/articles/d41586-018-07101-w>



# How do these policies stack up?

NHMRC requires that any peer-reviewed publication arising from NHMRC supported research must be made openly accessible in an institutional repository or other acceptable location (e.g. publisher website, subject repositories) within a 12-month period from the date of publication. This policy applies to all publications from 1 July 2012 except for peer-reviewed conference papers where it applies from 15 January 2018.

NHMRC acknowledges the importance of making research data publicly accessible and therefore strongly encourages researchers to consider the reuse value of their data and to take reasonable steps to share research data and associated metadata arising from NHMRC supported research.

<https://www.nhmrc.gov.au/about-us/resources/open-access-policy>

Any Research Output arising from ARC Funded Research must be made Openly Accessible within a twelve (12) month period from the Publication Date.

For the purposes of this policy, Research Outputs do not include research data and research data outputs. Research data arising from ARC Funded Research are addressed separately under the ARC's data management requirements. Further information is available on the [Research Data Management](#) page.

<https://www.arc.gov.au/policies-strategies/policy/arc-open-access-policy-version-20171>

The ARC does not require that full, detailed data management plans be submitted for assessment, but from 2020 will require that such plans are in place prior to the commencement of the project. Currently, the ARC does not mandate open access to data.

<https://www.arc.gov.au/policies-strategies/strategy/research-data-management>



# What about universities?

- Of the 41 universities in Australia, fewer than half (18) have a policy or statement on open access. Very few mention data.
- Of the Group of Eight universities, only four have an OA policy, and one of them is:
  - “authors should adhere to the open access requirements of relevant funding bodies”
- <http://roarmap.eprints.org>
- <https://aoasg.org.au/open-access-policies/>

# Kingdom for a policy?

POLITICS FEDERAL POLITICAL LEADERSHIP

OPINION

## *Your honeymoon is over, PM: it's time to fill the policy vacuum*



**John Hewson**

Columnist and former  
Liberal opposition leader

September 12, 2019 – 12.00am



492 View all comments

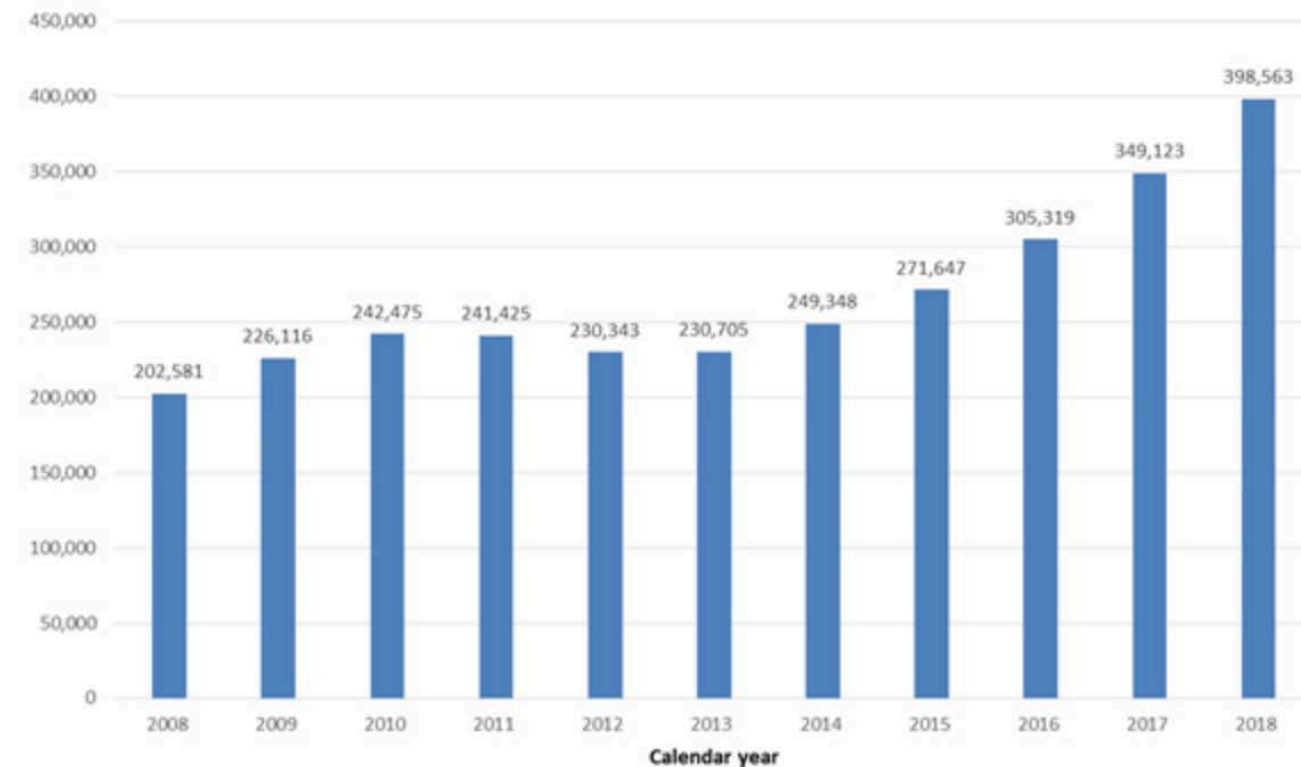
When is serious government going to start in this country? I understand that Morrison was afforded a reasonable holiday period, with minimal scrutiny, to celebrate his "miracle" win. This has included several overseas trips to press the flesh with other leaders, even though these have made little headway on major global and regional challenges.



<https://www.smh.com.au/politics/federal/your-honeymoon-is-over-pm-it-s-time-to-fill-the-policy-vacuum-20190911-p52q7w.html>

# So what's the problem here?

**Figure 1: higher education enrolments, overseas students, 2008–2018**

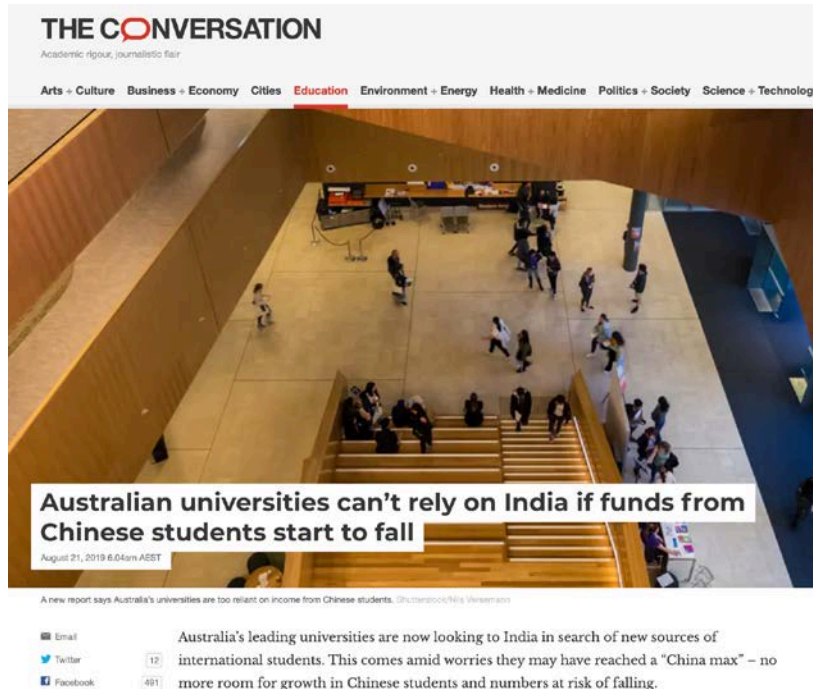


Source: DoE, *Basic pivot table 2015–2019*, December 2018.

[https://www.aph.gov.au/About Parliament/Parliamentary Departments/Parliamentary Library/pubs/rp/rp1819/Quick Guides/OverseasStudents](https://www.aph.gov.au/About_Parliament/Parliamentary_Departments/Parliamentary_Library/pubs/rp/rp1819/Quick_Guides/OverseasStudents)

# It's not the students, it's the risk

## Financial risk



<https://theconversation.com/australian-universities-cant-rely-on-india-if-funds-from-chinese-students-start-to-fall-122052>

## Standards risk

### Academics: We've lowered standards for international students

By **Unconventional Economist** in **Australian Economy** at 9:30 am on January 24, 2019 | 63 comments

By **Leith van Onselen**

The Victorian Government yesterday **called for a review of entry requirements** into Australian universities after growing evidence has emerged that foreign students with poor English language proficiency are badly eroding education standards

<https://www.macrobusiness.com.au/2019/01/academics-lowered-university-standards-international-students/>





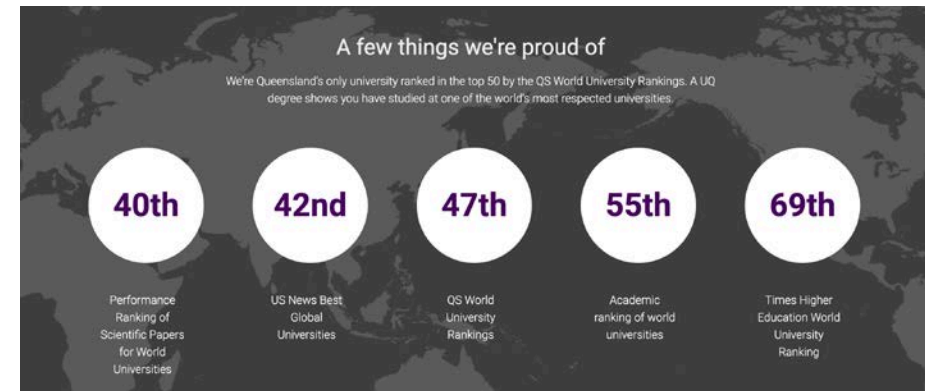
# He who pays the piper calls the tune

- At Uni of Sydney in 2017, the fees from Chinese students totalled \$500 million dollars or one fifth of its total annual revenue.
  - <https://www.abc.net.au/news/2019-08-21/australian-universities-too-dependent-on-chinese-students-report/11427272>
- The complete Australia-wide allocation of research funding from ARC and NHMRC in 2017-2018 was ~\$1,700 million

# Rankings rule



<https://www.international.unsw.edu.au/>



<https://future-students.uq.edu.au/why-choose-uq>

## Rankings



<https://www.qut.edu.au/about/achievements-and-recognition>



# Cause & Effect

Indicators and Weights for ARWU

Criteria	Indicator	Code	Weight
Quality of Education	Alumni of an institution winning Nobel Prizes and Fields Medals	Alumni	10%
	Staff of an institution winning Nobel Prizes and Fields Medals	Award	20%
Quality of Faculty	Highly Cited Researchers	HiCi	20%
	Papers published in <i>Nature</i> and <i>Science</i> *	N&S	20%
Research Output	Papers indexed in Science Citation Index-Expanded and Social Science Citation Index	PUB	20%
	Per capita academic performance of an institution	PCP	10%
Per Capita Performance			
Total			100%

\* For institutions specialized in humanities and social sciences such as London School of Economics, N&S is not considered, and the weight of N&S is relocated to other indicators.

<http://www.shanghairanking.com/ARWU-Methodology-2019.html>

[https://www.griffith.edu.au/data/assets/pdf\\_file/0034/169873/research-and-innovation-plan.pdf](https://www.griffith.edu.au/data/assets/pdf_file/0034/169873/research-and-innovation-plan.pdf)



completion and the publication of thesis-based research in the primary literature. The University will also continue to provide financial incentives for publications in the prestige journals *Nature* and *Science* which contribute significantly to the University's performance in international ranking schemes. Consideration will be given to expanding this scheme

# At least that's a carrot. This is a stick

Level E academics in engineering would need to punch out eight publications a year in well-regarded journals and generate \$158 000 in research income. In agriculture and vet science the quota is 11 publications and \$288 000. In the humanities, the numbers are not as large, four publications and \$83 000 for a Level E in history and archaeology – although two publications and \$31 000 might strike career commencers at Level A as an ask.

<https://campusmorningmail.com.au/news/murdoch-us-great-expectations-for-researchers/>



## Union response:

from the document:

19. The proposal presents an extremely narrow view of academic career success, which crushes diversity and disadvantages women, who are more likely to have an interrupted career and work part time due to caring responsibilities. We believe it will directly impact on Murdoch's attempts to become accredited under Athena SWAN. The discretionary use of 'relative to opportunity' in workload allocation is insufficient to address this.

<http://www.nteu.org.au/article/Academic-Career-Framework-Change-Management-NTEU-Concerns-21645>



# And this didn't help

POLITICS FEDERAL UNIVERSITY FUNDING

## Former education minister vetoed \$4.2 million in recommended university research grants

By **Michael Koziol**

October 26, 2018 – 10.44am



221 [View all comments](#)

Former education minister Simon Birmingham vetoed \$4.2 million in recommended university research grants, the first time a minister has used such powers in more than a decade.

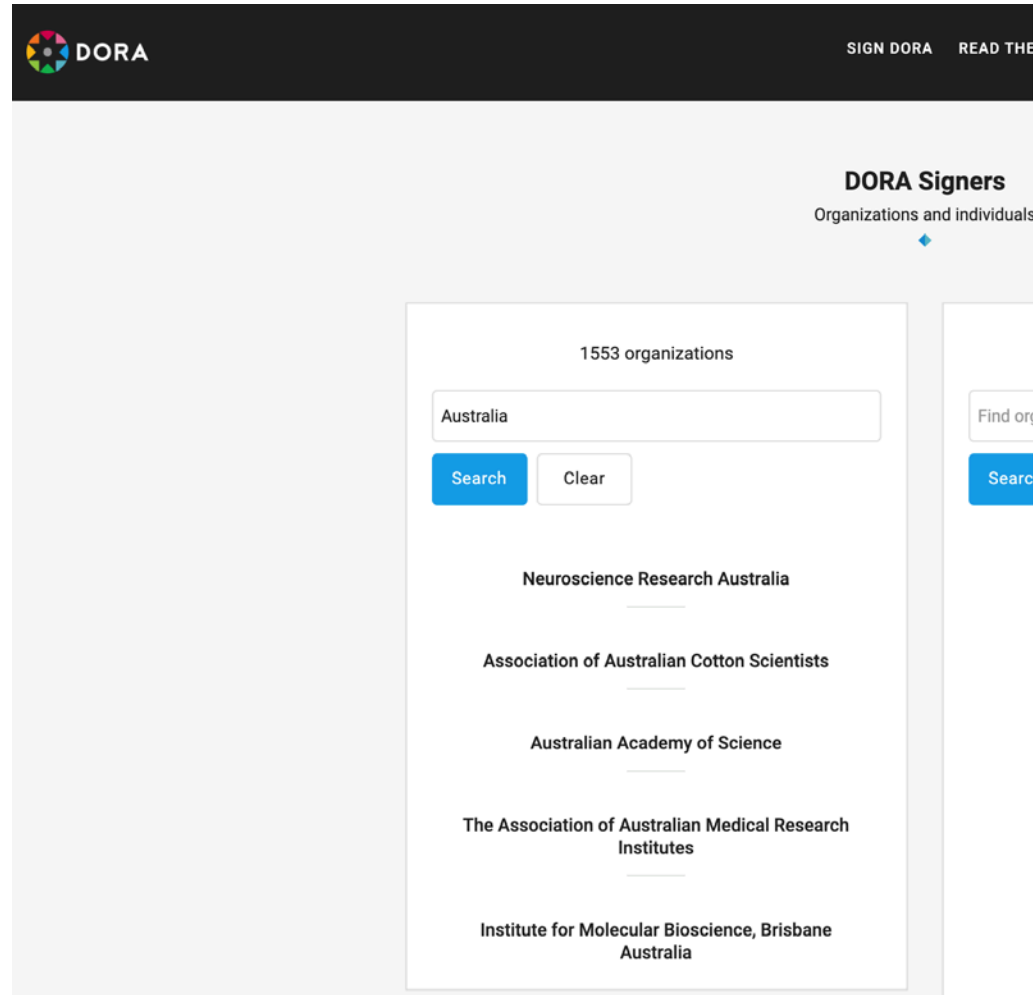
Senator Birmingham blocked federal funding for 11 projects in the humanities and the arts at leading research universities last financial year, a move Labor has dubbed as "politicisation".

The vetoed grants included nearly \$1 million for a project called "Writing the Struggle for Sioux Modernity", \$391,574 for "Price, Medals and Materials in the Global Exchange", \$330,466 for "Legal Secularism in Australia", \$336,000 for "Soviet Cinema in Hollywood Before the Blacklist, 1917-1950" and \$162,000 for "Beauty and Ugliness as Persuasive Tools in Changing China's Gender Norms".

<https://www.smh.com.au/politics/federal/former-education-minister-vetoed-4-2-million-in-recommended-university-research-grants-20181026-p50c3a.html>



# No Australian universities have signed



The screenshot shows the DORA Signers website. At the top, there is a dark header with the DORA logo on the left and links for "SIGN DORA" and "READ THE" on the right. Below the header, the page title "DORA Signers" is displayed, followed by the subtitle "Organizations and individuals". A search bar is present with the text "Australia" entered. Below the search bar, there are two buttons: "Search" and "Clear". To the right of the search bar, there is a "Find org" button. The search results are displayed in a list format, showing the following organizations:

- Neuroscience Research Australia
- Association of Australian Cotton Scientists
- Australian Academy of Science
- The Association of Australian Medical Research Institutes
- Institute for Molecular Bioscience, Brisbane Australia

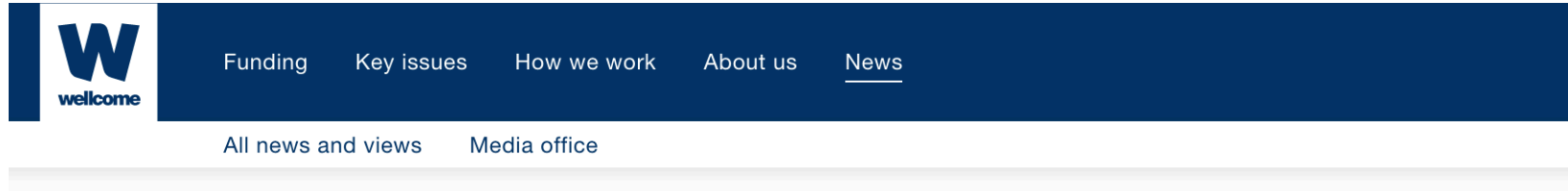
<https://sfdora.org/signers/>



# Well this is depressing

OK so let's do something about it. A call to arms if you will. So, what levers do we have to start effecting change?

# Lever?




News | 31 May 2019

## Wellcome updates open access policy to align with cOAlition S

Following a large consultation, we have updated our open access (OA) policy so it now aligns with Plan S. The changes will apply from 1 January 2021.



- Wellcome-funded organisations must sign or publicly commit to the [San Francisco Declaration on Research Assessment](#)  (DORA), or an equivalent. We may ask organisations to show that they're complying with this as part of our organisation audits. This is a new requirement to encourage organisations to consider the intrinsic merit of the work when making promotion and tenure decisions, not just the title of the journal or publisher.

<https://wellcome.ac.uk/news/wellcome-updates-open-access-policy-align-coalition-s>



# Relatively minor player here



<https://wellcome.ac.uk/funding/people-and-projects/grant-funding-data/grant-data-2017-18>

# Lever – The need for transparency (2016)

TECHNOLOGY SCIENCE

## Australian neuroscientist Bruce Murdoch nearly went to jail for making up data

By Amy Ellis Nutt  
April 5, 2016 — 6.25am

Scientific integrity took another hit on Thursday when an Australian researcher received a two-year suspended sentence after pleading guilty to 17 [fraud-related](#) charges. The main counts

<https://www.smh.com.au/technology/australian-neuroscientist-bruce-murdoch-nearly-went-to-jail-for-making-up-data-20160405-gnydf6.html>

### 'Brazen' UQ research fraudster Caroline Barwood given suspended sentence

Posted 25 Oct 2016, 7:44pm

Former medical researcher Dr Caroline Barwood has avoided jail after being convicted of fraudulently applying for research grants.

The District Court in Brisbane heard Barwood's conduct had brought "embarrassment and discredit" to the University of Queensland and academia in general.

The court was told Barwood, who was a Parkinson's disease researcher at the University of Queensland, falsified her involvement in a pilot study that never actually existed.

She also dishonestly claimed authorship of published research articles.



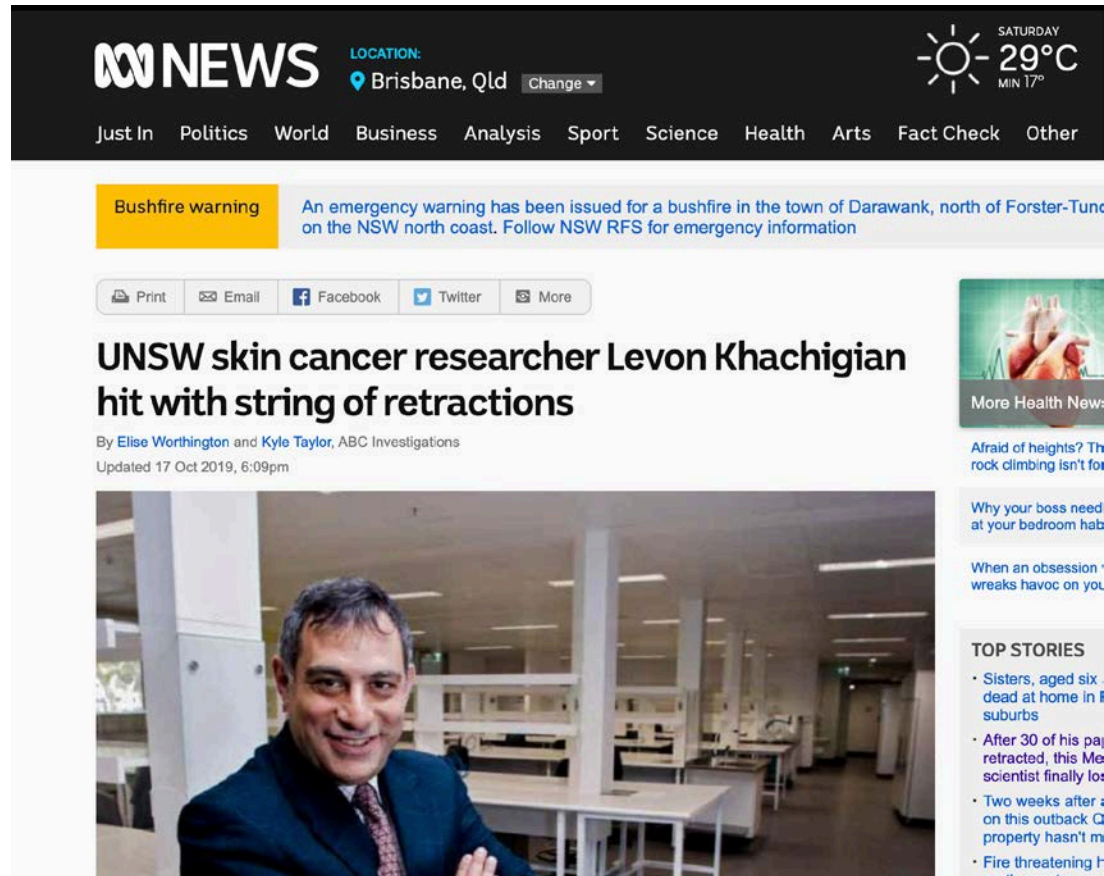
PHOTO: Caroline Barwood's two-year jail sentence was wholly suspended. (ABC News)

RELATED STORY: 'Brazen' UQ research fraudster given suspended sentence

<https://www.abc.net.au/news/2016-10-25/uq-dr-caroline-barwood-avoids-jail-on-fraud-charges/7963178>

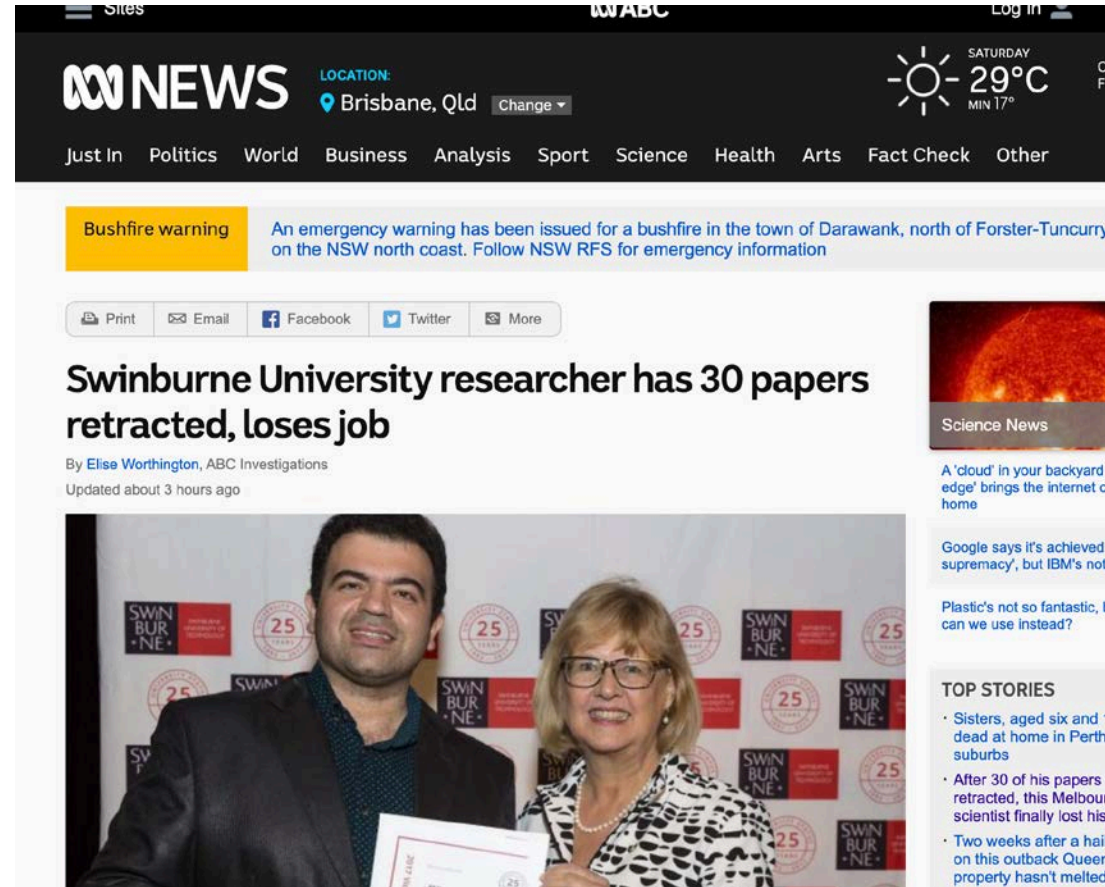


# Lever – The need for transparency (10 days ago)



<https://www.abc.net.au/news/2019-10-17/unsw-skin-cancer-levon-khachigian-allegations-and-retractions/11585768>

# Lever – The need for transparency (On Saturday)



<https://www.abc.net.au/news/2019-10-26/swinburne-university-researcher-has-30-papers-retracted/11641136>





# Arguments for Open Research



## The case for Open Research: the mis-measurement problem

🕒 July 11, 2016 📁 Uncategorized 👤 Office of Scholarly Communication

Let's face it. The biggest blockage we have to widespread Open Access is not researcher apathy, a lack of interoperable systems, or an unwillingness of publishers to engage (although these do each play some part) – it is the problem that **the only thing that counts in academia is publication in a high impact journal.**

- [The case for Open Research: solutions?](#) – 2 August 2016
- [The case for Open Research: does peer review work?](#) – 19 July 2016
- [The case for Open Research: reproducibility, retractions & retrospective hypotheses](#) – 14 July 2016
- [The case for Open Research: the authorship problem](#) – 12 July 2016
- [The case for Open Research: the mis-measurement problem](#) – 11 July 2016



<https://unlockingresearch-blog.lib.cam.ac.uk/?p=713>

# At least one person is using the 'R' word

nature > world view > article a natureresearch

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WORLD VIEW · 19 FEBRUARY 2019

## To move research from quantity to quality, go beyond good intentions

 Australian chief scientist Alan Finkel calls for formal action to bake in better research practices.

Alan Finkel 

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<https://www.nature.com/articles/d41586-019-00613-z>

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**'There is a problem': Australia's top scientist Alan Finkel pushes to eradicate bad science**

September 12, 2019 10:44am AEST

Australia's Chief Scientist Alan Finkel. AAP

<https://theconversation.com/there-is-a-problem-australias-top-scientist-alan-finkel-pushes-to-eradicate-bad-science-123374>



# Pockets of activity

## AIMOS

Australian Interdisciplinary  
Meta-Research and Open  
Science

The Australasian Meta-Research and Open Science Meeting is hosted by researchers from a range of disciplines (including psychology, statistics, and ecology) with a shared interest in understanding and addressing challenges to replicability, reproducibility and open science.

We welcome interested students and researchers to join us for two days of workshops, hackathons, and presentations about a broad range of open science and scientific reform topics, including: pre-registration and Registered Reports; peer review



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<https://aimos-2019.netlify.com/> - Inaugural meeting in November



<https://www.anzopenresearch.org>



# Report due early 2020



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/ [BIG DATA IN AUSTRALIAN RESEARCH: ISSUES, CHALLENGES AND OPPORTUNITIES](#)

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[Sector consultation](#)

[Future Earth Australia](#)

## Big Data in Australian research: Issues, challenges and opportunities

### Background

This project will develop a national framework and strategy to enable Australian research to exploit opportunities and overcome challenges arising from the revolution in open and big data technologies, and from developments in data science and machine learning. By consulting broadly across disciplines and connecting with international big data initiatives, the project will identify common and discipline-specific practices, challenges and strategic developments, map existing data science capability and infrastructure within and across disciplines, identify opportunities for efficiencies, and assess technology, infrastructure, training and collaboration priorities for the future.

### Committee

The project's Expert Working Group is jointly led by Professor Michael Barber AO FAA FTSE and Associate Professor Jane Elith FAA, together with the Academy's [National Committee for Data in Science](#).

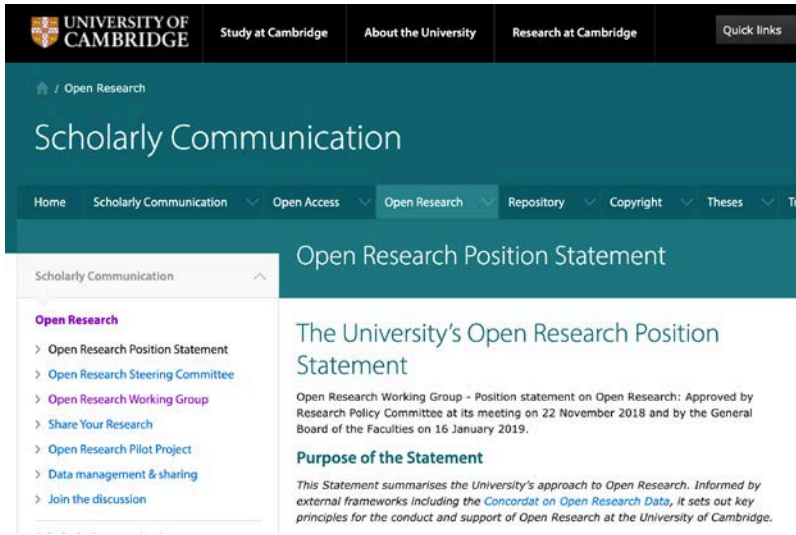
<https://www.science.org.au/supporting-science/science-policy-and-sector-analysis/decadal-plans-science/big-data-australian>



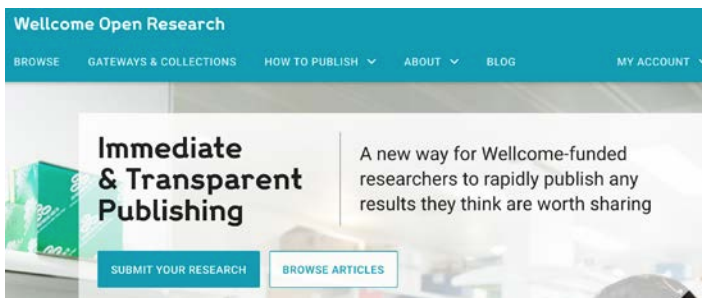
# Five years ago the UK was only starting

- “We can’t tell our researchers what to do”
- “On what \$%^&ing legal basis are they telling me I have to share my data?”
- “Are you saying we have to back-up our laptops?”
- “But XX university is unique, it’s not like other universities”
- “This is \$%^&ing bull\$\*#@!”

# And look at it now

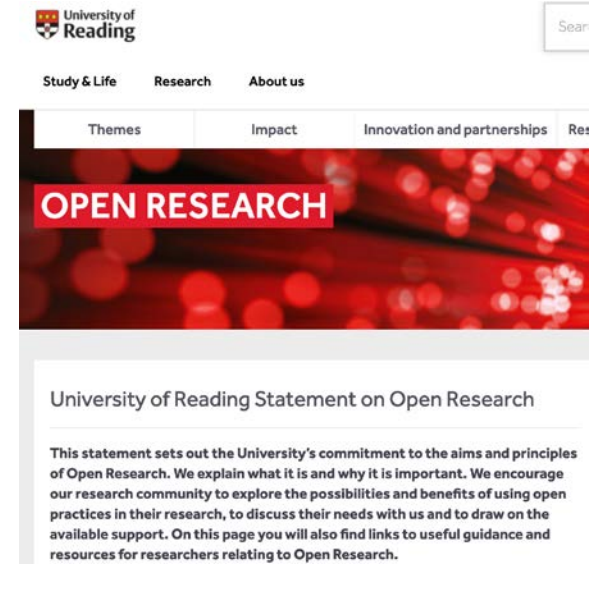


<https://osc.cam.ac.uk/open-research/open-research-position-statement>

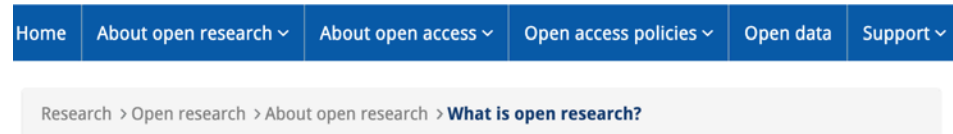


<https://wellcomeopenresearch.org/>

<https://www.reading.ac.uk/research/research-environment/open-research.aspx>



OPEN RESEARCH



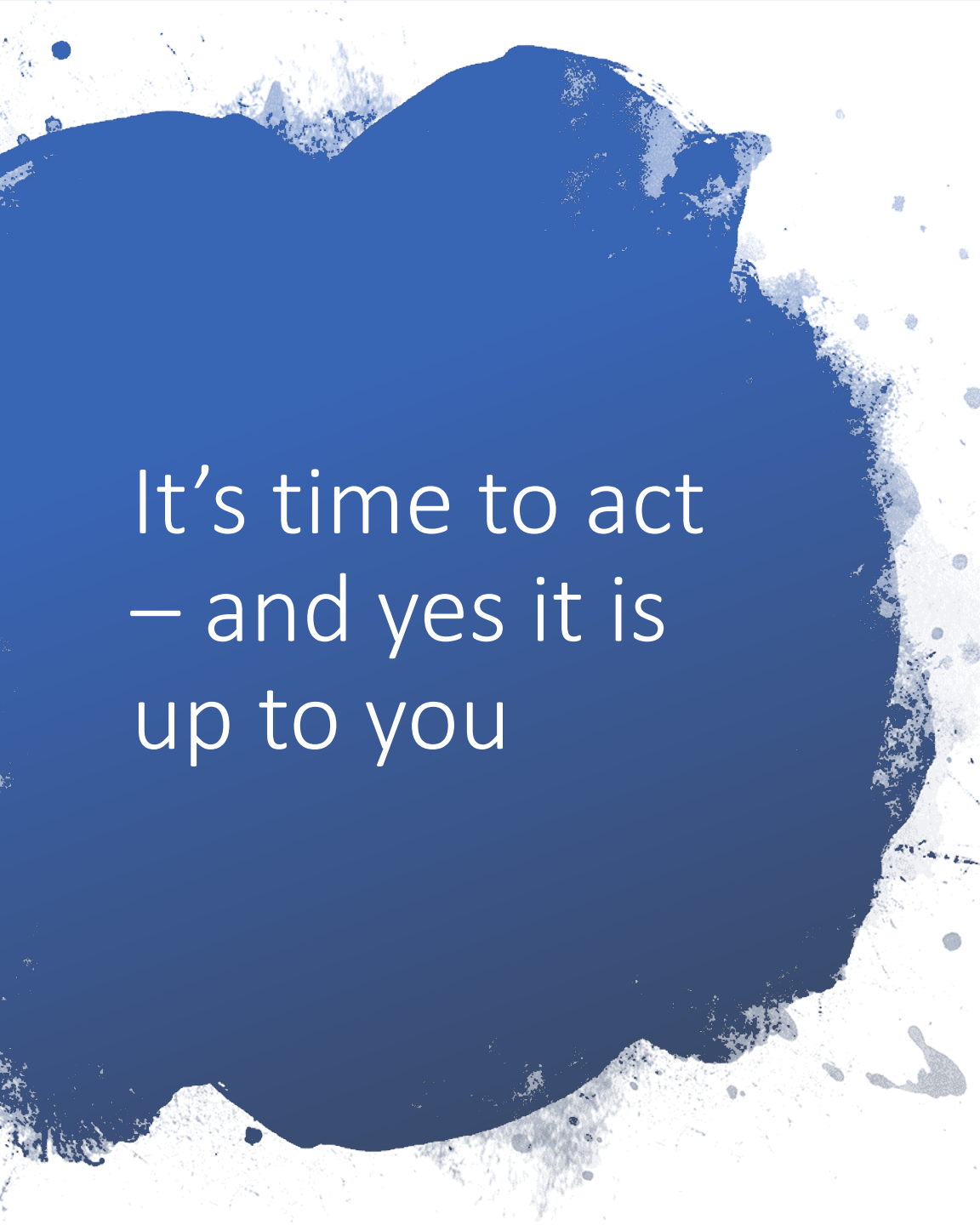
## What is open research?

Open research comprises openness throughout the research cycle, through collaborative working and sharing and making research methodology, software, code and equipment freely available online, along with instructions for using it. Open research includes making publications freely available online (open access), in addition to the underlying research data (open data).

<http://www.exeter.ac.uk/research/openresearch/about/explained/>







It's time to act  
– and yes it is  
up to you

- Check out your own policy situation
- How open is your institution? Have you checked?
- Who can you talk to about strengthening policy requirements?
- Who can you lean on as champions in your academic community?
- Join AIMOS and ANZORN
- Useful? “How to introduce and implement policy in your institution and still have friends afterwards”  
[https://drive.google.com/drive/folders/1ZSJdkp7ilHPjRo18fiVZFy5i\\_MVth40z?usp=sharing](https://drive.google.com/drive/folders/1ZSJdkp7ilHPjRo18fiVZFy5i_MVth40z?usp=sharing)
- You are more powerful than you think

# Thanks all

Dr Danny Kingsley  
@dannykay68  
danny@dannykingsley.com

