

Making an impact

ANU Library

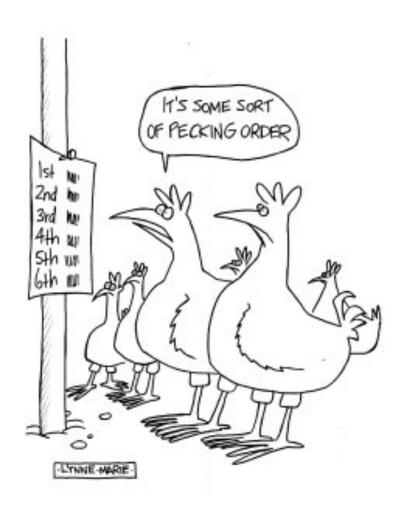


Topics

- Research data management
- Open access
- Bibliometrics
- Researcher profiles
- Where to publish



Bibliometrics



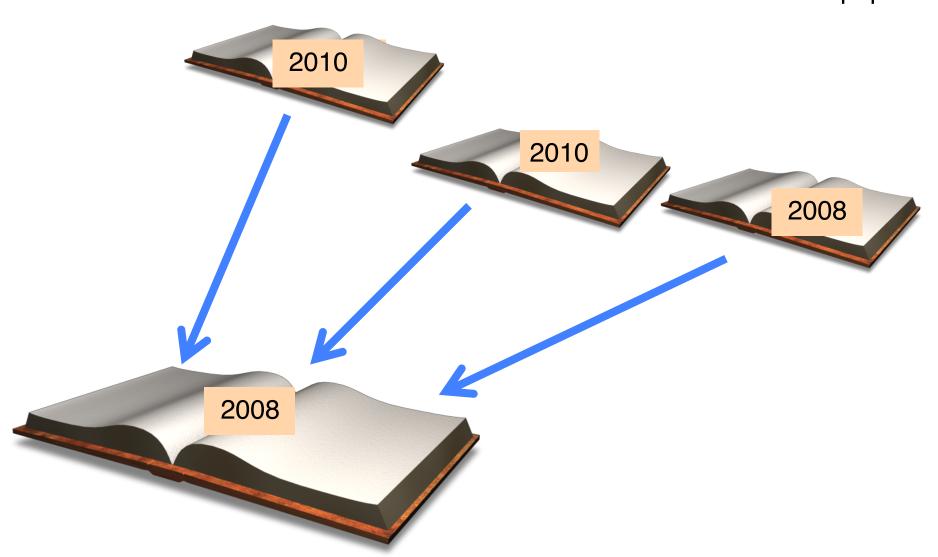


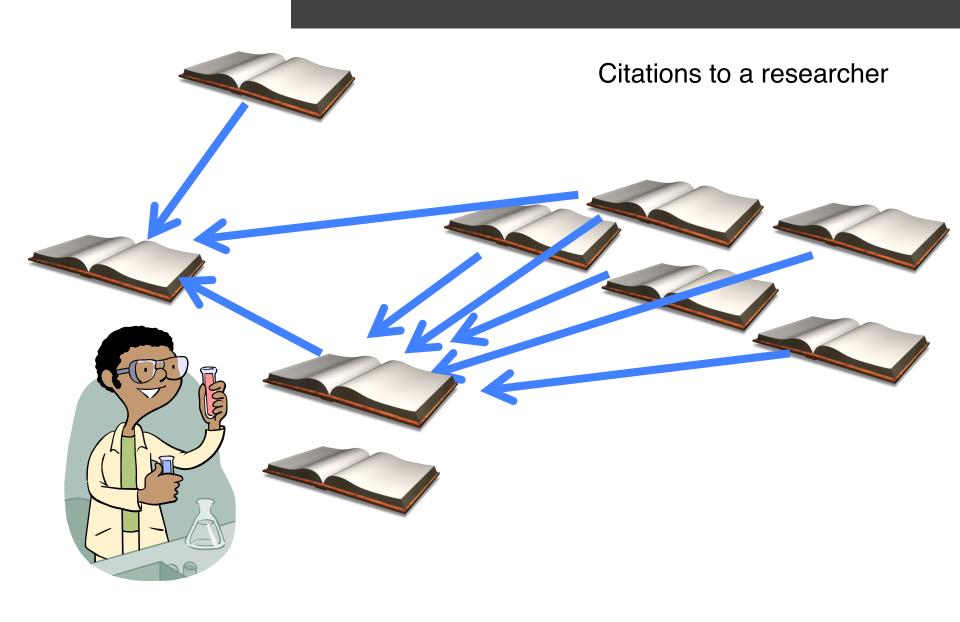
How is impact measured – the art of bibliometrics

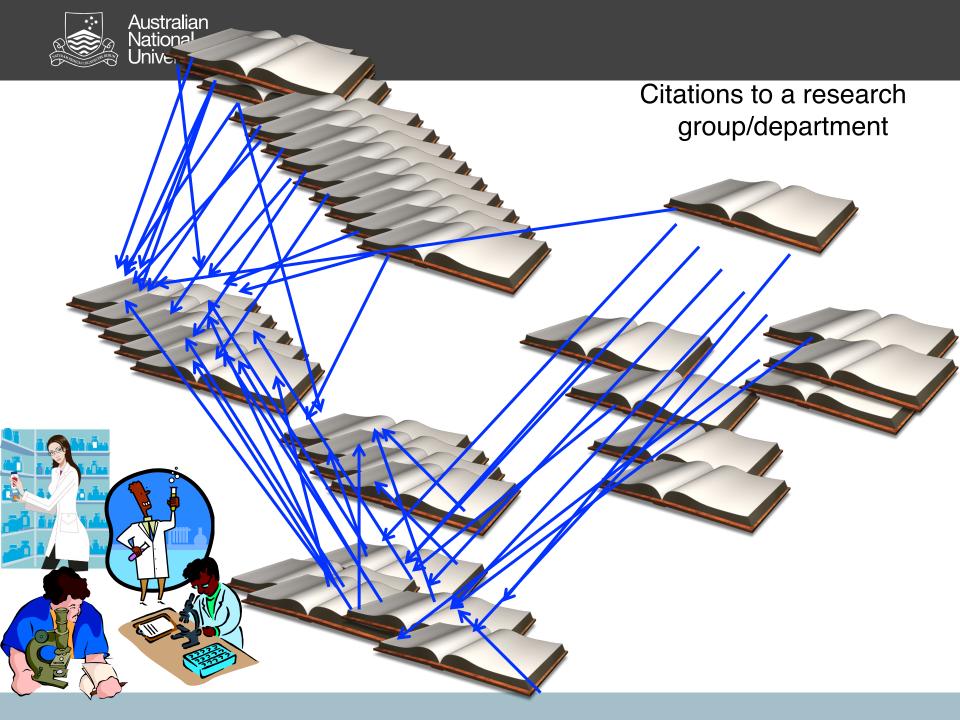
Bibliometrics is a statistical analysis of books, articles, or other publications.

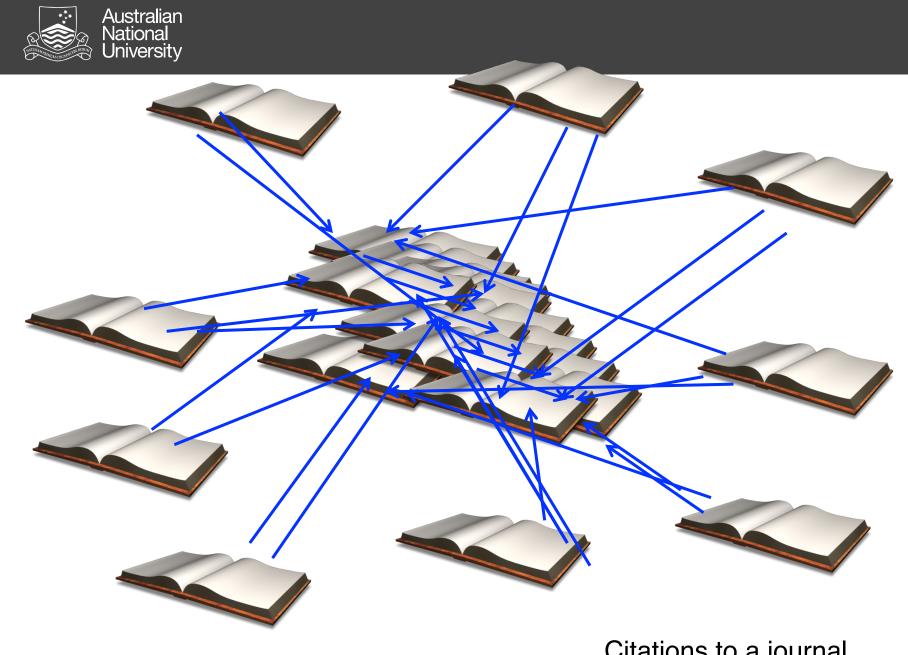
Bibliometric analysis use data on numbers and authors of scientific publications and on articles and the citations therein (and in patents) to measure the "output" of individuals/research teams, institutions, and countries ...

Citations to an individual paper









Citations to a journal

Many ways to measure

- ISI
- JCR
- Eigenfactor
- H-index
- Journal analyser
- Altmetrics
- Google Scholar

InCites[™] Journal Citation Reports[®]

ISI - Web of Science

Indicates impact of individual article – how many times has my article been cited?

Links to Journal Citation Reports for information on impact of the journal



H-index

- Attempts to quantify an individual's research output
- Can be calculated manually or automatically in Scopus or Web of Science

http://www.harzing.com/pop hindex.htm



Google Scholar

- Designed to "help authors consider where to publish"
- Based on h-index
- Can browse publications in broad areas such as engineering and computer science, development economics

https://scholar.google.com.au/citations? view op=top venues&hl=en



Journal citation reports (JCR)

- Thomson Reuters data from WoS
- 5000 journals in science & technology
- 1500 journals in social sciences
 Indicates -
- Highest impact journals
- Most frequently used journals
- Largest journals



Journal analyser

Scopus (Elsevier)

http://www.scopus.com/source/eval.url

- SJR weighted by prestige of journal
- SNIP measures conceptual impact by weighting citations based on total # of citations in a subject field
- Freely available http://www.journalmetrics.com/



Eigenfactor

Takes into account the "prestige" of a journal Attempts to analyse the influence of a journal

Journals with ^ impact factor in a field have higher Eigenfactor

Data from Thomson Reuters JCR

http://www.eigenfactor.org/



Impact factor

JIF – average # times article from journal has been cited in last two years

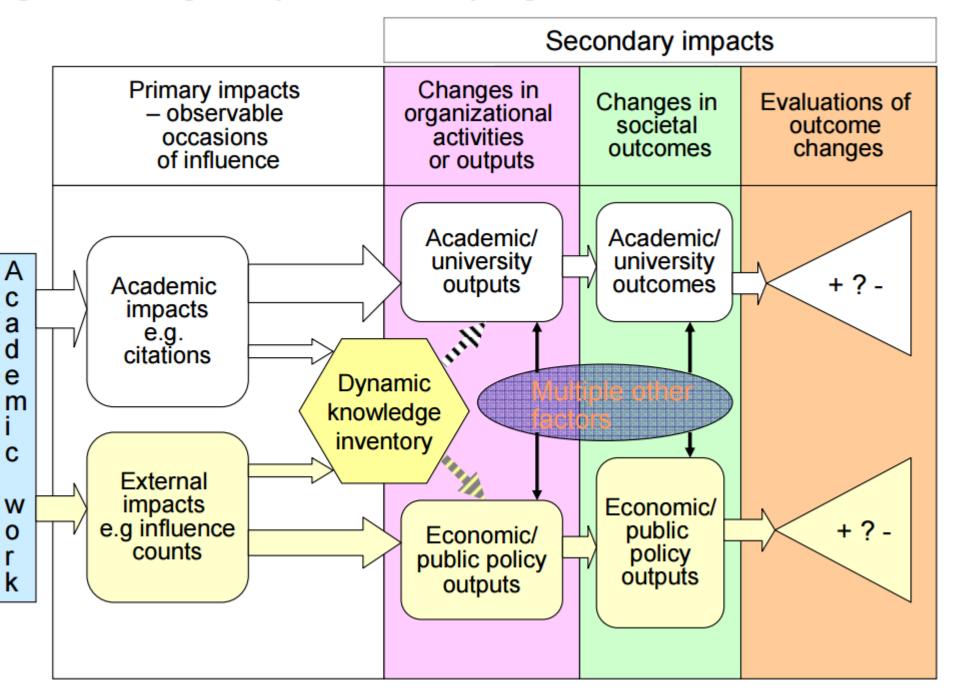
Uses ISI Web of Knowledge data



Problems

- That sounds great BUT...
- Remember results are influenced by –
- * Size
- * Time/frequency of publication
- * Non-English language journals
- * Journals not indexed by Scopus/WoS

figure 1.1: The primary and secondary impacts of academic research





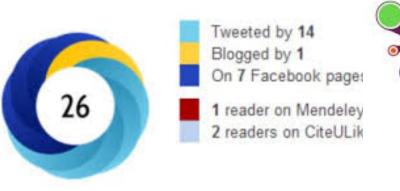
Altmetrics

Reflect impact of article, not container

- *Altmetric www.altmetric.com
- *Impact Story https://impactstory.org/
- *PlumX www.plumanalytics.com
- *Google + https://plus.google.com
- *Wikipedia

https://en.wikipedia.org/w/index.php?title=Main Page&action=history



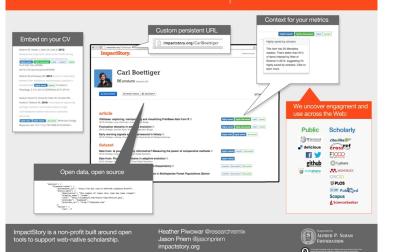








ImpactStory helps open scientists tell the full story of their research impact: we reveal diverse metrics of engagement and reuse for articles, datasets, software, and more.



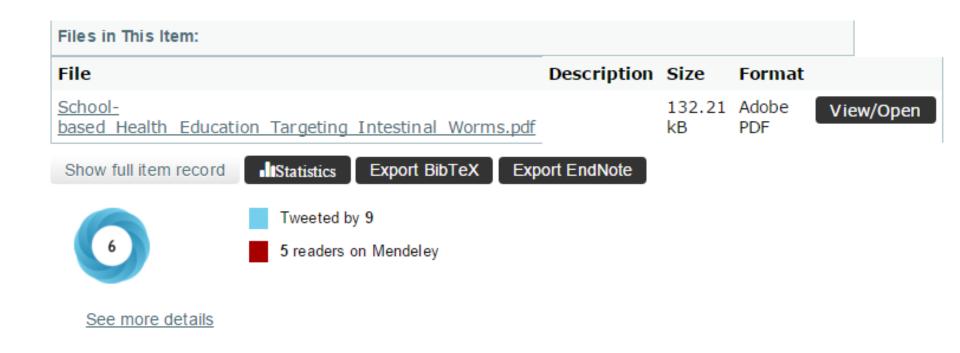
Wikipedia article traffic statistics

Main Page has been viewed 365432380 times in the last 30 days. This article ranked 2 in traffic on en.wikipedia.org.





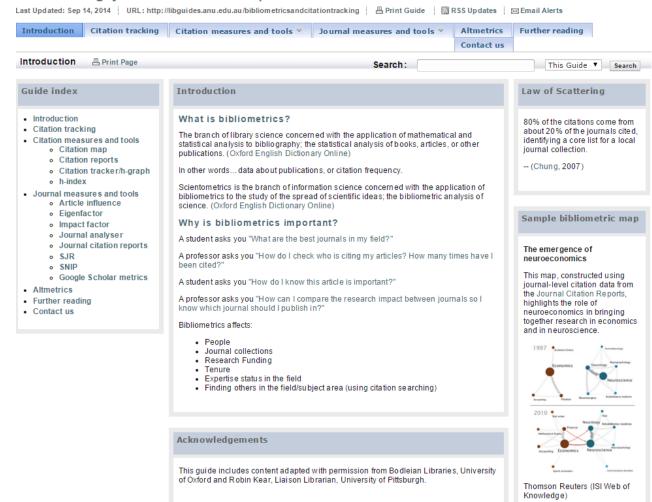
Record in ANU repository showing Altmetric score





In your spare time...

Increasing your research impact





ORCID



- Persistent digital identifier
- Distinguishes individuals name disambiguation
- Automated linkages between author and professional activities – manuscript submission; grant applications, etc
- Endorsed by ARC/NHMRC





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ORCID provides a persistent digital identifier that distinguishes you from every other researcher and, through integration in key research workflows such as manuscript and grant submission, supports automated linkages between you and your professional activities ensuring that your work is recognized. Find out more.



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ADD YOUR Enhance your ORCID record with your professional information and link to your other identifiers (such as Scopus or ResearcherID or LinkedIn).



USE YOUR Include your ORCID identifier on your Webpage, when you submit publications, apply for grants, and in any research workflow to ensure you get credit for your work.

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Google Scholar

https://scholar.google.com.au/citations?user=4kW-r2QAAAAJ&hl=en



Dr Danny Kingsley

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Title 1–20	Cited by	Year
The publishing imperative: the pervasive influence of publication metrics C Steele, L Butler, D Kingsley Learned Publishing 19 (4), 277-290	75	2006
The state of the nation: A snapshot of Australian institutional repositories MA Kennan, DA Kingsley First Monday 14 (2)	40	2009
The journal is dead, long live the journal D Kingsley On the horizon 15 (4), 211-221	22	2007
e-Publishing's impacts on journals and journal articles R Clarke, D Kingsley Journal of Internet Commerce 7 (1), 120-151	17	2008





Open Access





Open access citation advantage

Measure	Result
Studies finding a positive Open Access citation advantage	27
Studies finding no Open Access citation advantage (or an OA citation disadvantage)	4

Size of OA citation advantage when found (and where explicitly stated by discipline)	% increase in citations with Open Access
Physics/astronomy	170 to 580
Mathematics	35 to 91
Biology	-5 to 36
Electrical engineering	51
Computer science	157
Political science	86
Philosophy	45
Medicine	300 to 450
Communications studies (IT)	200
Agricultural sciences	200 to 600



Why does all this matter?

- □ Reputation
- ☐ High impact journals = increase in your citation counts
- ☐ Making your research visible



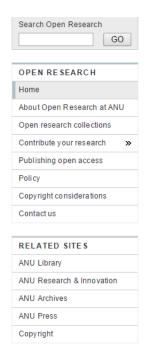
How?

OpenResearch@ANU

- ANU open access publications repository
- Facilitates ANU Open Access Policy
- Disseminate your research more broadly
- Meet funder obligations
- Increase your impact!

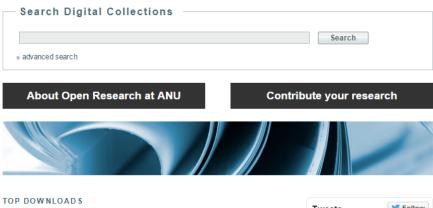


OpenResearch@ANU





Open Research at ANU



Science online? A contextual analysis of the debate on electronic journals in science communication

Are the Earth and the Moon compositionally alike? Inferences on lunar composition and implications for lunar origin and evolution from geophysical modeling

The economic status of Indigenous Australians

Lean interfaces for integrated catchment management models: rapid development using ICMS

Social exclusion, social capital, and Indigenous Australians: measuring the social costs of unemployment

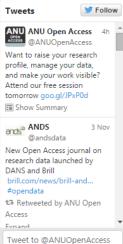
RECENT SUBMISSIONS

Monotone conditional complexity bounds on future prediction errors

Robust inference of trees

Asymptotics of discrete MDL for online prediction

Sequential predictions based on algorithmic complexity





Publish with the best – an overview

 How to get published — SAGE Publishing Presenter: Rosalia da Garcia, SAGE Publishing

Video presentation (MP4, 88MB)

Slide presentation (PDF 17.4MB)



How to get published — CSIRO

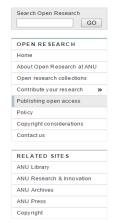
Presenter: Andrew Stammer, Executive Manager Communications & Publishing and Director of CSIRO PUBLISHING

Audio presentation (MP4, 58.5MB)

Slide presentation (PDF 2.49MB)



Predatory publishing





Publishing open access

By publishing open access or making a version of your published work available open access, you are providing free, unrestricted online access to scholarly materials that a number of people — including professional practitioners, industry workers and people in institutions and countries that are unable to afford subscriptions — would not otherwise have.

There are many avenues for publishing open access, and a good resource is the <u>Directory of Open Access Journals (DOAJ)</u> &, which lists the journals and publishers that facilitate open access publishing.

The $\underline{Guide\ to\ OA\ monograph\ publishing}$ @ is a useful resource for those looking for information about open access monograph publishing.

OPEN CESS

To gain a broader understanding of open access publishing <u>watch this</u> <u>short video</u> 많 produced by <u>PHD</u> Comi cs 라.

Open access journals—gold open access

Publishing in an open access journal often means an article is assigned a creative commons licence permitting it to be distributed openly across a number of networks. You may be required to pay the publisher an upfront fee, or author processing charge (APC), to make the work openly available on the web. Publishing in this way is typically referred to as Gold Open Access.



Gold open access ಚಿ

Subscription-based journals—green open access

Publishing in a traditional subscription-based journal means your published work is immediately available to journal subscribers.

Articles published in these journals can still be made open access by making a pre or post print version of your article available in an open access repository such as the University's Digital Collections. This form of publishing is known as Green Open Access, or self-archiving.

Alternatively, an author payment charge (APC) can be paid for an article in a subscription journal to be made open access in that journal — this is known as hybrid publishing, and is not supported at ANU.



Green open access ₽

Paying for publication

At this time, ANU does not have a centrally administered fund for paying for publication. Check with your College research staff for available funds, and make sure you know your funder's policy in regard to using grant money for paying for publication.

Predatory publishing

While the benefits of open access publishing are undenlable, its evolution has seen the emergence of enterprises that run conferences and journals with low or no peer review or other quality mechanisms. These predatory publishers solicit contributions to reputable sounding journals and conferences promising publication, however they do not provide a quality contribution to careers.

The ANU University Librarian recently provided some <u>practical advice to researchers (PDF, 1.6MB)</u> on how to prevent exploitation by predatory or vanity publishers, reiterating three major tips:

- . If you haven't heard of the journal or conference check Beali's list or ask your local librarian
- Don't believe the website ask your colleagues and look at indicators of journal impact. A library's guide to Increasing your research impact with information on journal measures and tools can help you
- Don't respond to unsolicited emails choose the journals you wish to submit to.

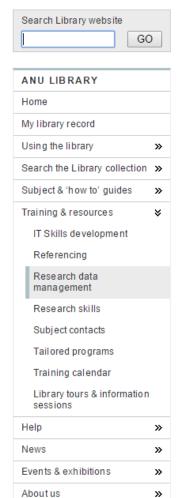


How innovative are you in publishing?



https://101innovations.wordpress.com/

Research Data Management



Library home » Training & resources » Research data management

Research data management



Planning your research

Finding and analysing data, training and support



Managing your data

Collecting, organising and storing data



Research publication

Sharing your research



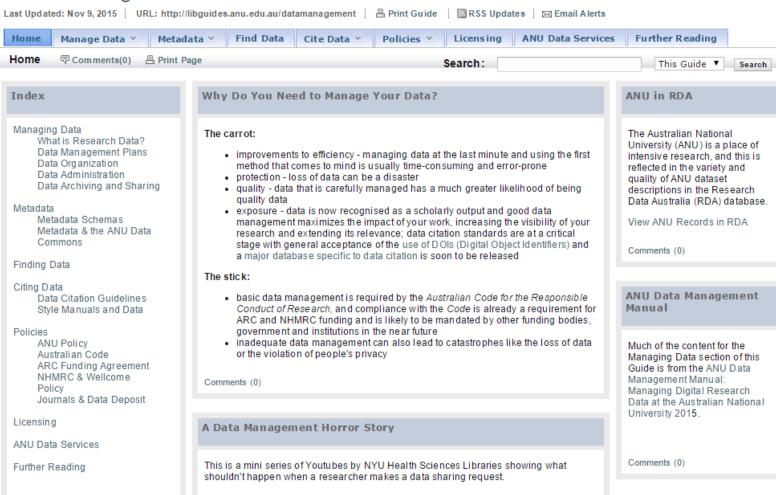
Policies and procedures

Responsible conduct, intellectual property



Comments (0)

Data Management



Data Shari...

Data Shari.

Data Shari.



What else?

What do you want to hear more about?

Anne.Lahey@anu.edu.au