Curtin Open Knowledge Initiative &
Open Access in Australasia

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CAUL Research Repositories Community Event 2019, Sydney, 28 October 2019

Slides @ https://links.observatory.academy/dashboards/CAUL-Presentation

A global university   Western Australia | Dubai |
Malaysia | Mauritius | Singapore

Introduction

- What is COKI?

- Why this project?

- Why now?

Slides @ https://links.observatory.academy/dashboards/CAUL-Presentation
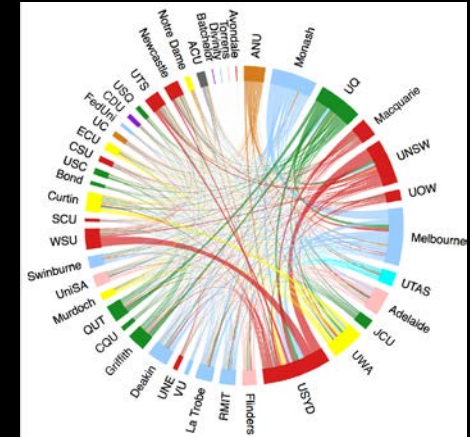
What we've done

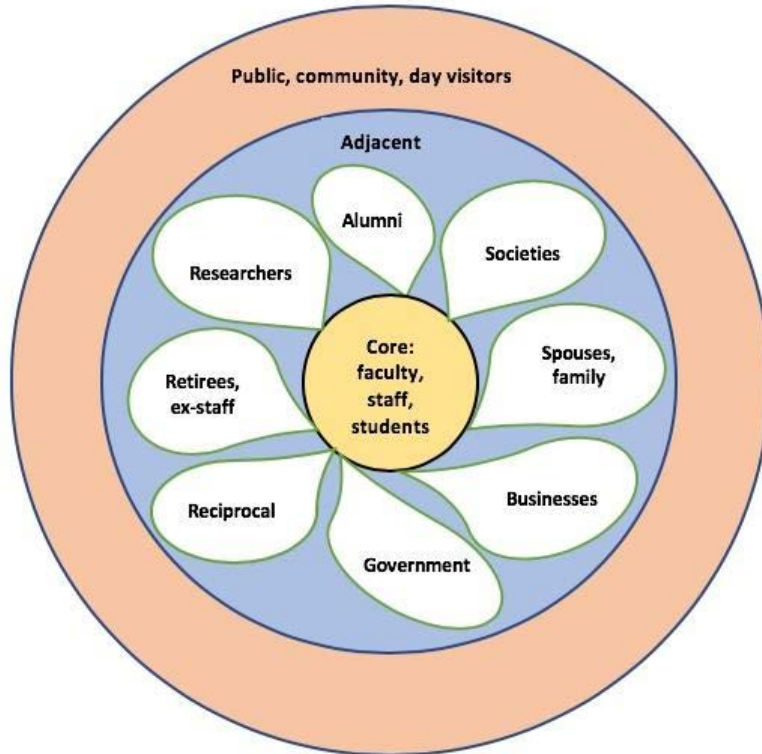13 trillion+ pieces of data in a database for analysis

International collaboration with OK leaders

Seeking to be world's leading hub for analysis and evaluation of OK applications & practices in HE

COKI is more than open access…

Libraries and an 'Open Campus'

Public, community, day visitors

Adjacent

Alumni

Researchers

Societies

Core: faculty, staff, students

Spouses, family

Retirees, ex-staff
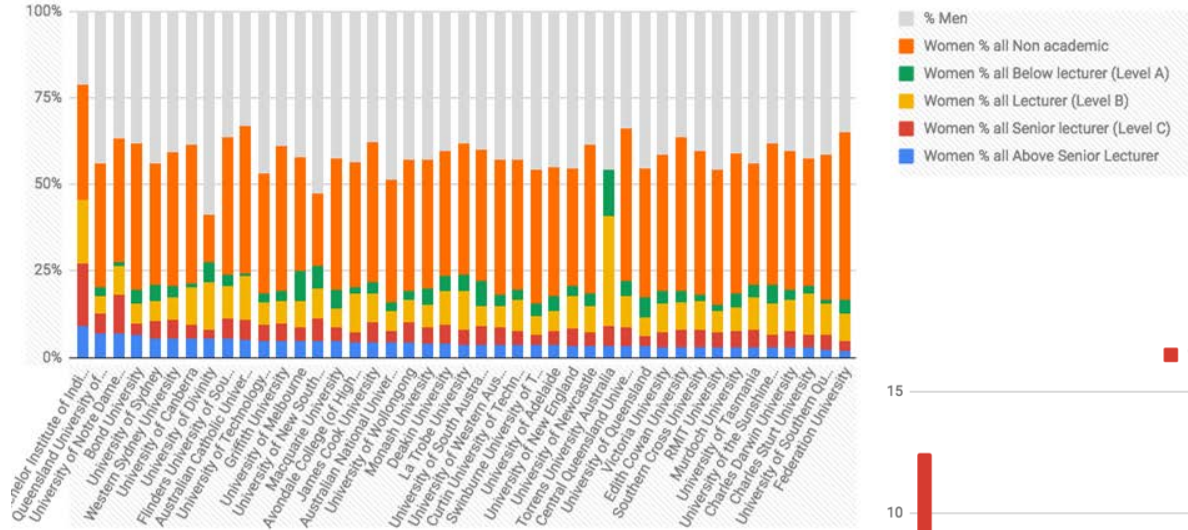
Reciprocal

Businesses

Government

- Library access policies and practices
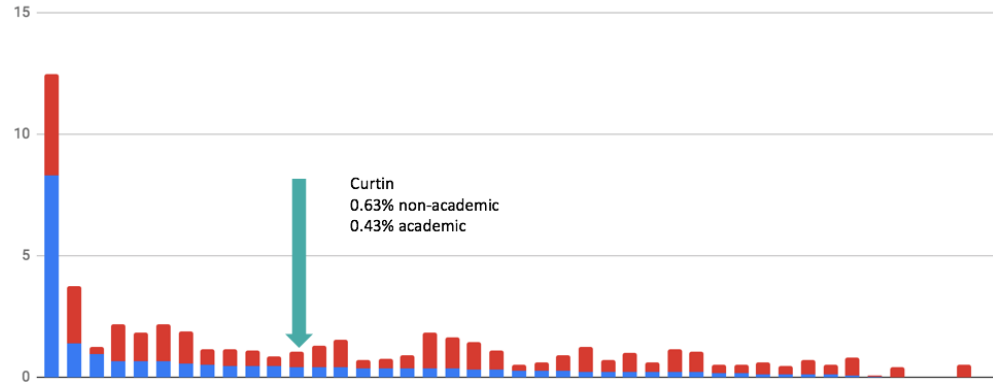- Limited co-ordination between OA and physical access policies

Full article: Wilson et al. (2019). Access to academic libraries: an indicator of openness? Information Research, 24(1): paper 809. http://informationr.net/ir/24-1/paper809.html

Who gets to make knowledge in Australia?

2017 % Women university staff by classification; % men

% Men
Women % all Non academic
Women % all Below lecturer (Level A)
Women % all Lecturer (Level B)
Women % all Senior lecturer (Level C)
Women % all Above Senior Lecturer

% indigenous non-academic   % indgenous academic

Curtin
0.63% non-academic
0.43% academic

Issues with selecting a single source

Object count in all sources

15 universities

OA ranks

Legend
- shift<20
- shift>=20 & non-Eng
- shift>=20 & Eng
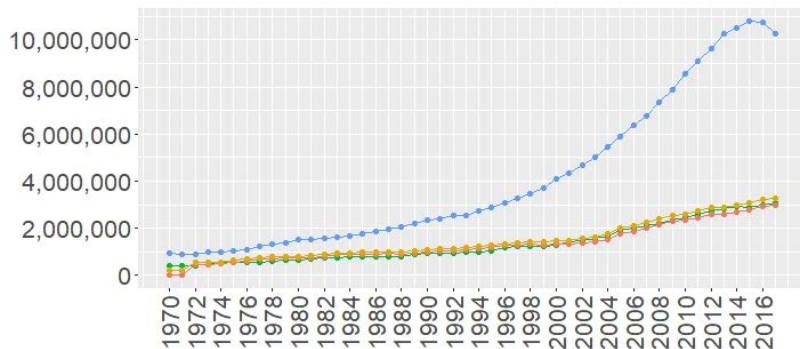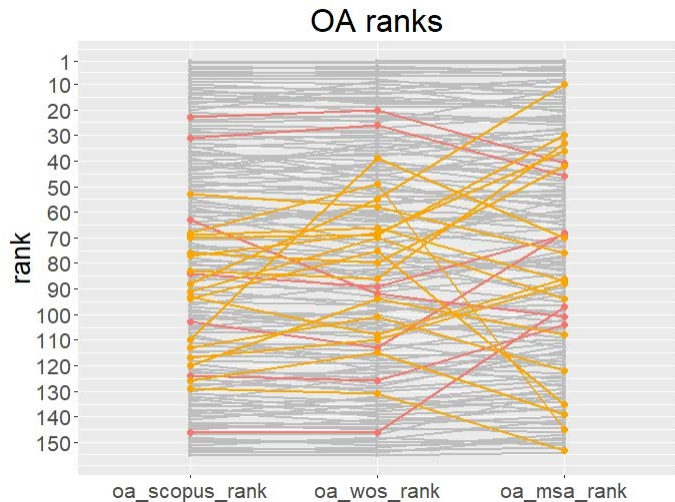
For 155 universities
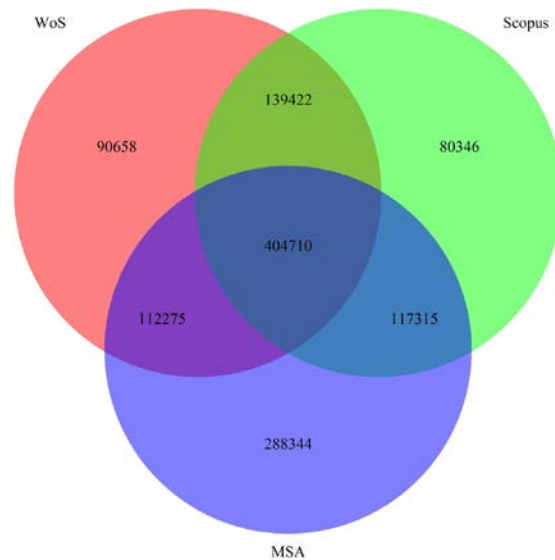
Methodology

Methodology

Incomplete coverage

Limited to DOIs

Scopus®

WEB OF SCIENCE

Microsoft Academic

Incomplete and inconsistent databases

DOIs

Grid ID   OA status
         DOI
Year   Events

unpaywall

Crossref

Open Citations

DOAB

Worldcat

ORCID
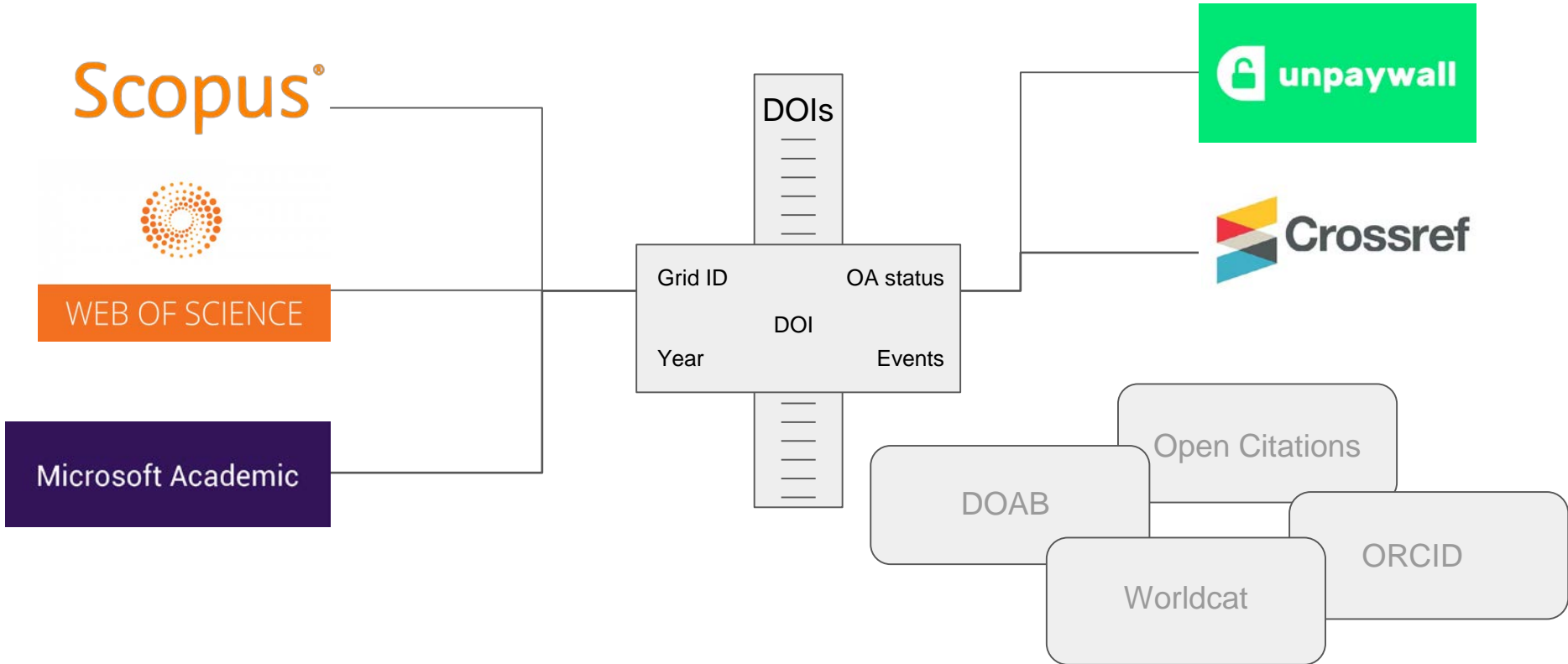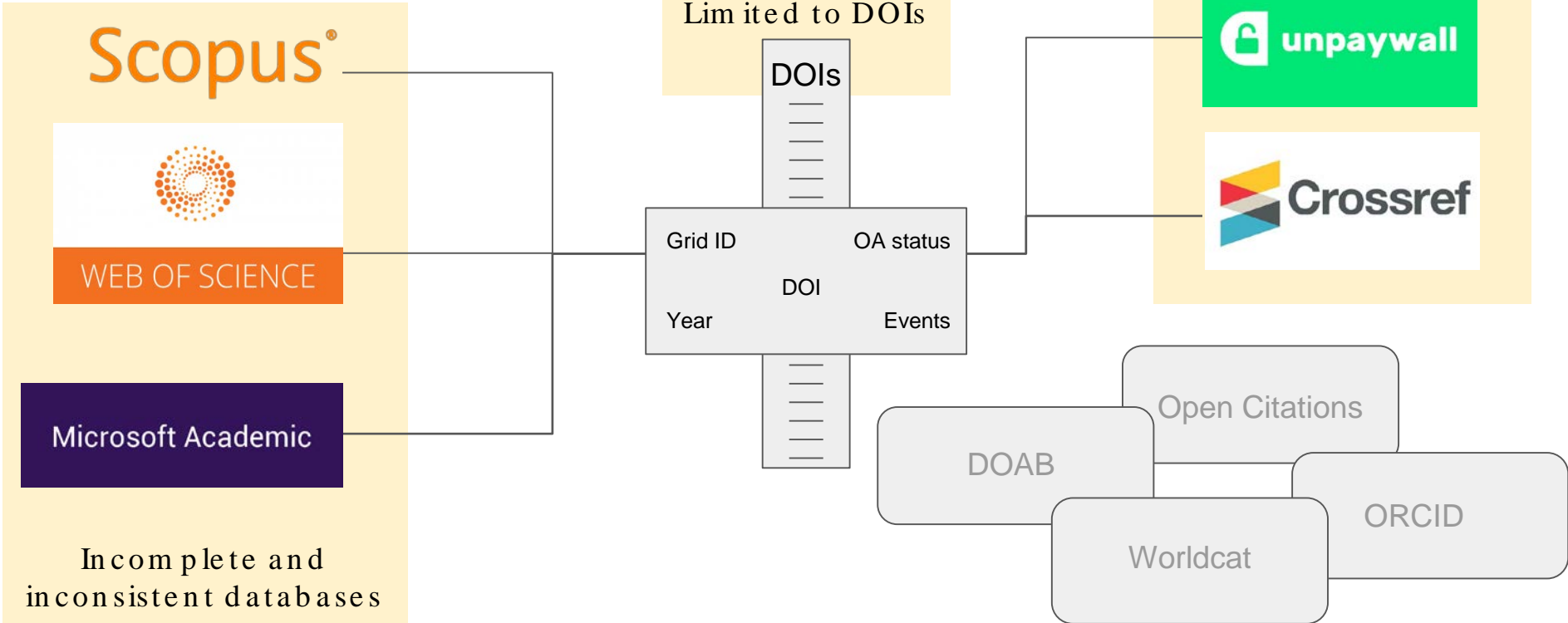
What can we do with the data?

Outline of results on OA

Dashboard...

https://datastudio.google.com/u/0/reporting/1SwK-IhpzP7BYVMK9mo7g2Rcpvub_0ROI/page/2upw

Published Research Outputs Funded by the Gates Foundation

Total Publications
5,476
Percent OA
71.77%
Awards
1,981
Institutions
1,549

Open Access Publications   Not Open Access

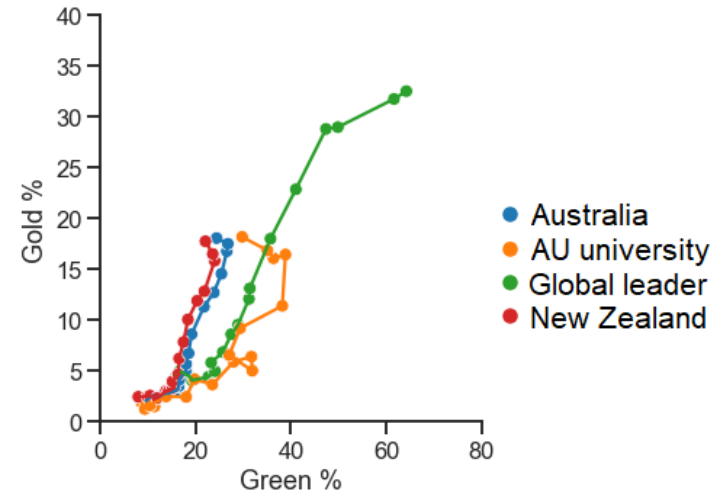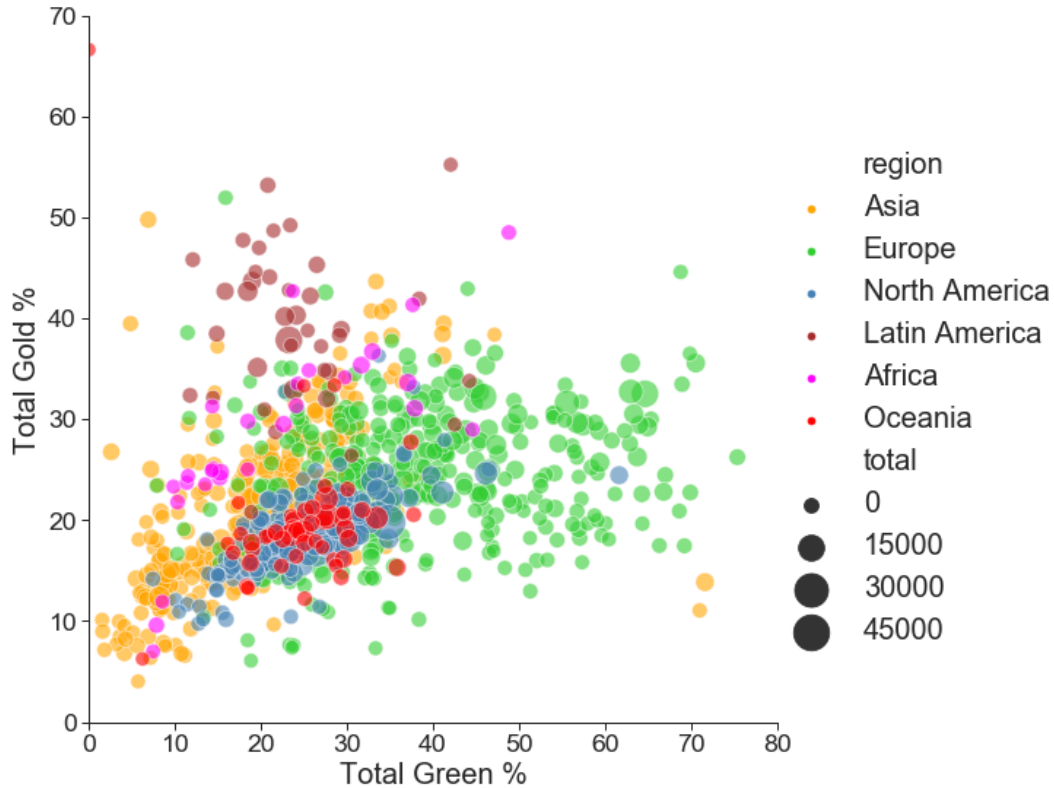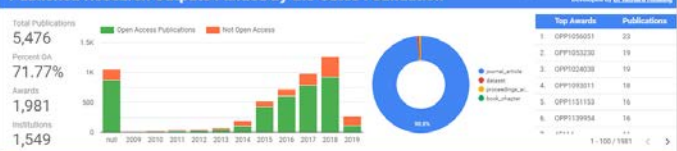| Top Awards		Publications
1	OPP1056051	23
2	OPP1053230	19
3	OPP1024038	19
4	OPP1093011	16
5	OPP1151133	16
6	OPP1139954	16

1 - 100 / 1981

Is OA / Outputs / Citations / Average Citations

Published Ye...	Outputs	Citations	Average Citations	Outputs	Citations	Average Citations	Outputs	Citations	Average Cita...
null	888	4,693	6.13	192	133	1.11	1,080	4,818	5.44
2009	2	251	110.5	5	68	13.6	7	299	42.71
2010	11	292	28.2	9	404	44.89	20	686	36.11
2011	18	764	42.44	17	939	55.24	35	1,703	48.60
2012	29	1,906	70.59	15	411	27.4	44	2,317	55.17
2013	50	1,252	28.45	26	594	27.76	76	1,946	28.2
2014	107	2,885	26.38	80	1,290	17.67	187	3,875	22.68
2015	423		26.64	92	1,921	21.34	515	12,038	25.78
2016	602	9,200	16.17	112	977	8.8	714	9,709	14.91
2017	786	6,557	9.2	194	1,191	6.32	980	7,708	8.69
2018	925	2,655	2.99	336	937	3	1,261	3,592	2.99
2019	109	101	6.56	156	99	0.68	265	200	0.8
Grand Total	3,930	39,865	11.15	1,234	9,026	8.15	5,164	48,891	10.44

Geographical Breakdown of Institutions Supported

54   1,058

Breakdown of Publication Venues

- PLOS ONE
- Malaria Journal
- Vaccine
- Clinical Infectious Dis...
- Gates Open Research
- PLOS Neglected Tropi...
- Parasites & Vectors
- Proceedings of the N...
- The Journal of Infecti...
- Maternal & Child Nutr...
- International Journal...
- PLOS Medicine
- Journal of Virology
- BMJ Global Health
- Journal of the Interna...
- The Journal of Nutriti...
- eLife
- BMC Pregnancy and...
- The Lancet Global He...
- others

Fields of Research Breakdown

All

	name	grid	# Publications	% OA
1	University of London	grid.4464.2	401	0.86
2	Johns Hopkins University	grid.21107.35	354	0.77
3	University of Washington	grid.34477.33	290	0.71
4	Harvard University	grid.38142.3c	263	0.79
5	University of Oxford	grid.4991.5	252	0.83
6	Imperial College London	grid.7445.2	188	0.87
7	World Health Organization - Pakistan	grid.415671.6	181	0.83
8	University of California, San Francisco	grid.266102.1	175	0.86
9	National Institutes of Health	grid.94365.3d	148	0.87
10	Centers for Disease Control and Prevention	grid.416738.f	140	0.83
11	Bill & Melinda Gates Foundation	grid.418309.7	138	0.78
12	University of the Witwatersrand	grid.11951.3d	130	0.83

1 - 100 / 1549

Open Access   Gold Open Access   Green Open Access   Bronze Open Access   Hybrid Open Access

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Breakdown of Publication Venues
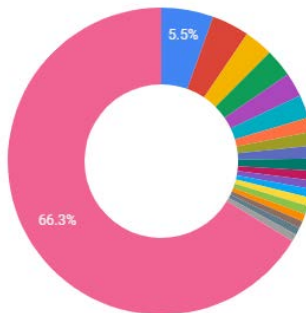
5.5%

66.3%

- PLOS ONE
- Malaria Journal
- Vaccine
- Clinical Infectious Dis...
- Gates Open Research
- PLOS Neglected Tropi...
- Parasites & Vectors
- Proceedings of the N...
- The Journal of Infecti...
- Maternal & Child Nutr...
- International Journal...
- PLOS Medicine
- Journal of Virology
- BMJ Global Health
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- The Journal of Nutriti...
- eLife
- BMC Pregnancy and...
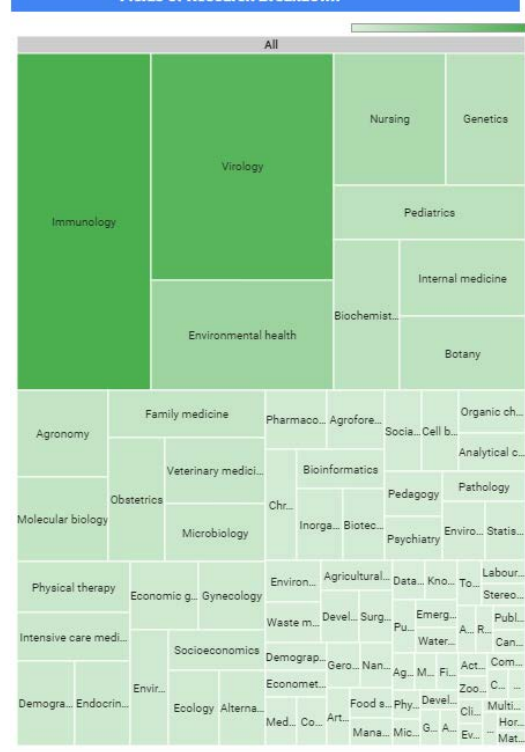- The Lancet Global He...
- others

Curtin University

Fields of Research Breakdown

All

Immunology · Virology · Nursing · Genetics · Pediatrics · Internal medicine · Biochemist... · Environmental health · Botany · Agronomy · Family medicine · Pharmaco... · Agrofore... · Socia... · Cell b... · Organic ch... · Analytical c... · Veterinary medici... · Bioinformatics · Pedagogy · Pathology · Obstetrics · Chr... · Inorga... · Biotec... · Psychiatry · Enviro... · Statis... · Molecular biology · Microbiology · Physical therapy · Economic g... · Gynecology · Environ... · Agricultural... · Data... · Kno... · To... · Labour... · Stereo... · Intensive care medi... · Waste m... · Devel... · Surg... · Emerg... · Pu... · Water... · Publ... · Socioeconomics · Demograp... · Gero... · Nan... · Ag... · M... · Fi... · Act... · Com... · Demogra... · Endocrin... · Envir... · Econometr... · Economic... · Zoo... · C... · u... · Multi... · Ecology · Alterna... · Demograp... · Food s... · Phy... · Devel... · Cli... · Hor... · Med... · Co... · Art... · Mana... · Mic... · G... · A... · Ev... · Mat...

Where to from here?

Quality assurance and coalition building

Invite Australian libraries to review their own data

Developing a national data resource

Sustainability

Further links to COKI's work:

Huang C-K, Neylon C, Brookes-Kenworthy C, Hosking R, Montgomery L, Wilson K, Ozaygen A (2019a)
Comparison of bibliographic data sources: Implications for the robustness of university rankings. *bioRXiv preprint*. https://doi.org/10.1101/750075

Montgomery L, Hartley J, Neylon C, Gillies M, Gray E, Herrmann-Pillath C, Huang C-K, Leach J, Potts J, Ren X, Skinner K, Sugimoto CR, Wilson K (2018) *Open knowledge institutions: Reinventing universities*. MIT Press Work in Progress. https://wip.mitpress.mit.edu/oki

Montgomery L, Neylon C, Hosking R, Huang C-K, Ozaygen A, Wilson K (2019) Universities and knowledge sharing: Evaluating progress to openness at the institutional level. *ELPUB 2019 Conference Proceedings*. https://elpub.episciences.org/5531

Selten F, Neylon C, Huang C-K, Groth P (2019) A longitudinal analysis of university rankings. *arXiv preprint*. https://arxiv.org/abs/1908.10632v2

Wilson K, Neylon C, Montgomery L, Huang C-K (2019). Access to academic libraries: an indicator of openness? *Information Research*, 24(1): paper 809. http://informationr.net/ir/24-1/paper809.html

To sign-up for access to the dashboard:

https://links.observatory.academy/forms/CAUL-Dashboard-Signup

Thank you ~

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