



Monitoring Researcher Output: Open Access and Data Compliance

Michael Levine-Clark, University of Denver

Judy Russell, University of Florida

Australian Library and Information Association (ALIA)

14 July 2022



“For researchers to cite papers is second nature, no one thinks twice about it. We need to get them to think about data in the same way.”

-Varsha Khodiyar, Springer Nature
at the CHORUS Forum, January 2021

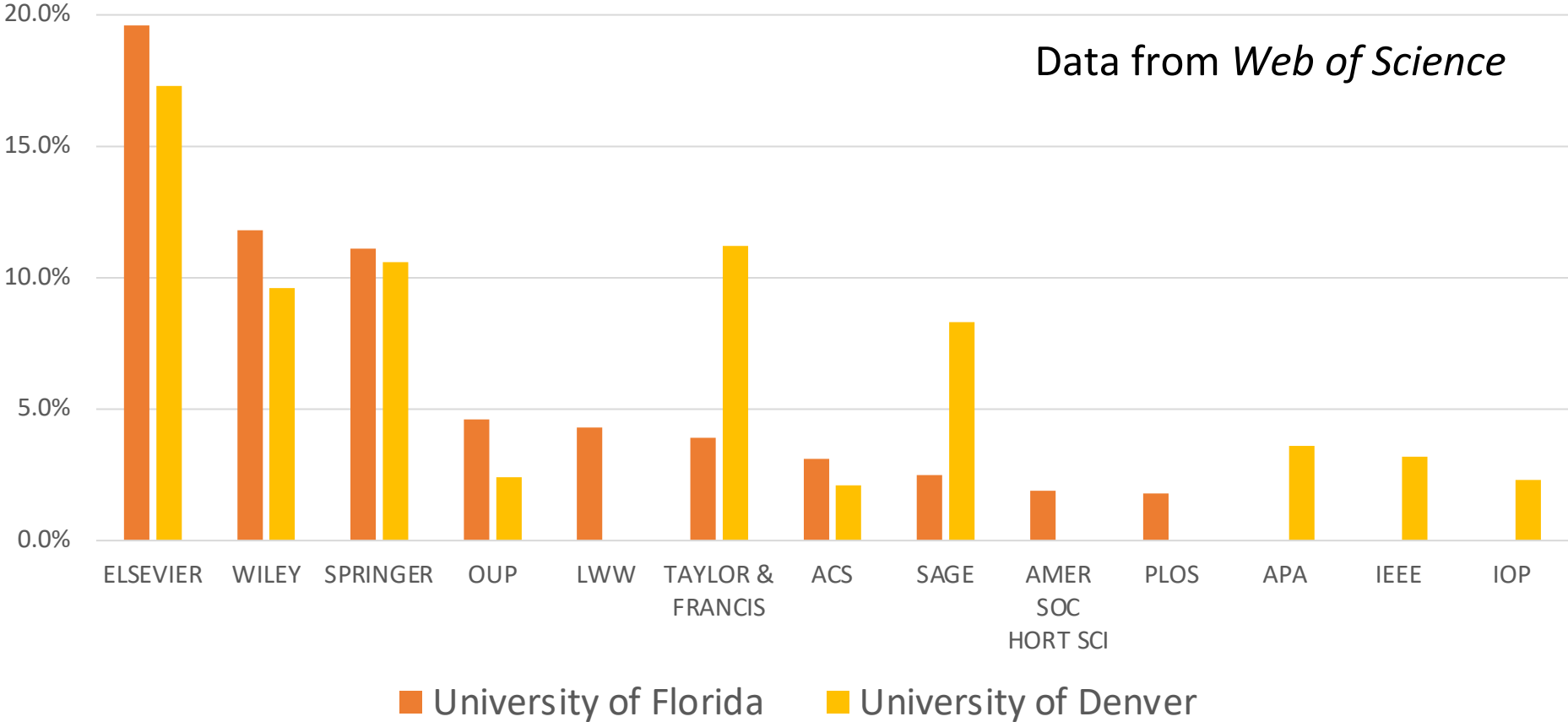
About Us: Institutional Profiles (Annual Productivity)

	University of Denver	University of Florida
Carnegie Classification of Institutions of Higher Education	Doctoral Universities: Very High Research Activity (R1)	Doctoral Universities: Very High Research Activity (R1)
Doctoral Degrees	389	1,859
Full Time Faculty	762	5,237
Librarians & Professional Staff	31	111
Faculty : Lib & Prof Staff Ratio	25:1	47:1
Research Expenditures	\$41 million	\$1 billion
Number of Articles*	669	8,415
Disciplines (Strengths)	Social and Behavioral Sciences	STEM

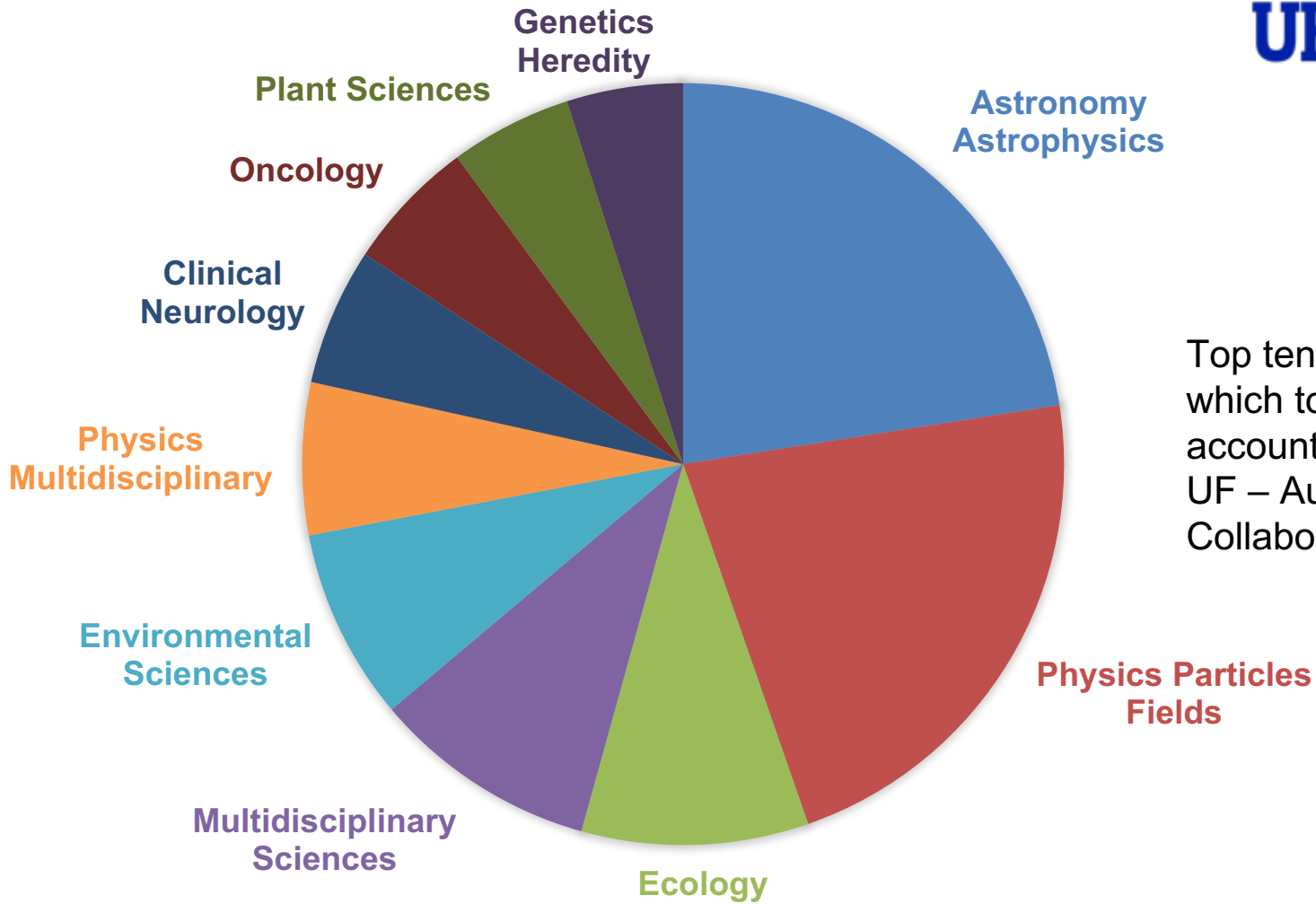
*Articles published in 2020 - Source: Web of Science

COMPARISON OF TOP TEN PUBLISHERS USED (2011-2022)

Data from *Web of Science*

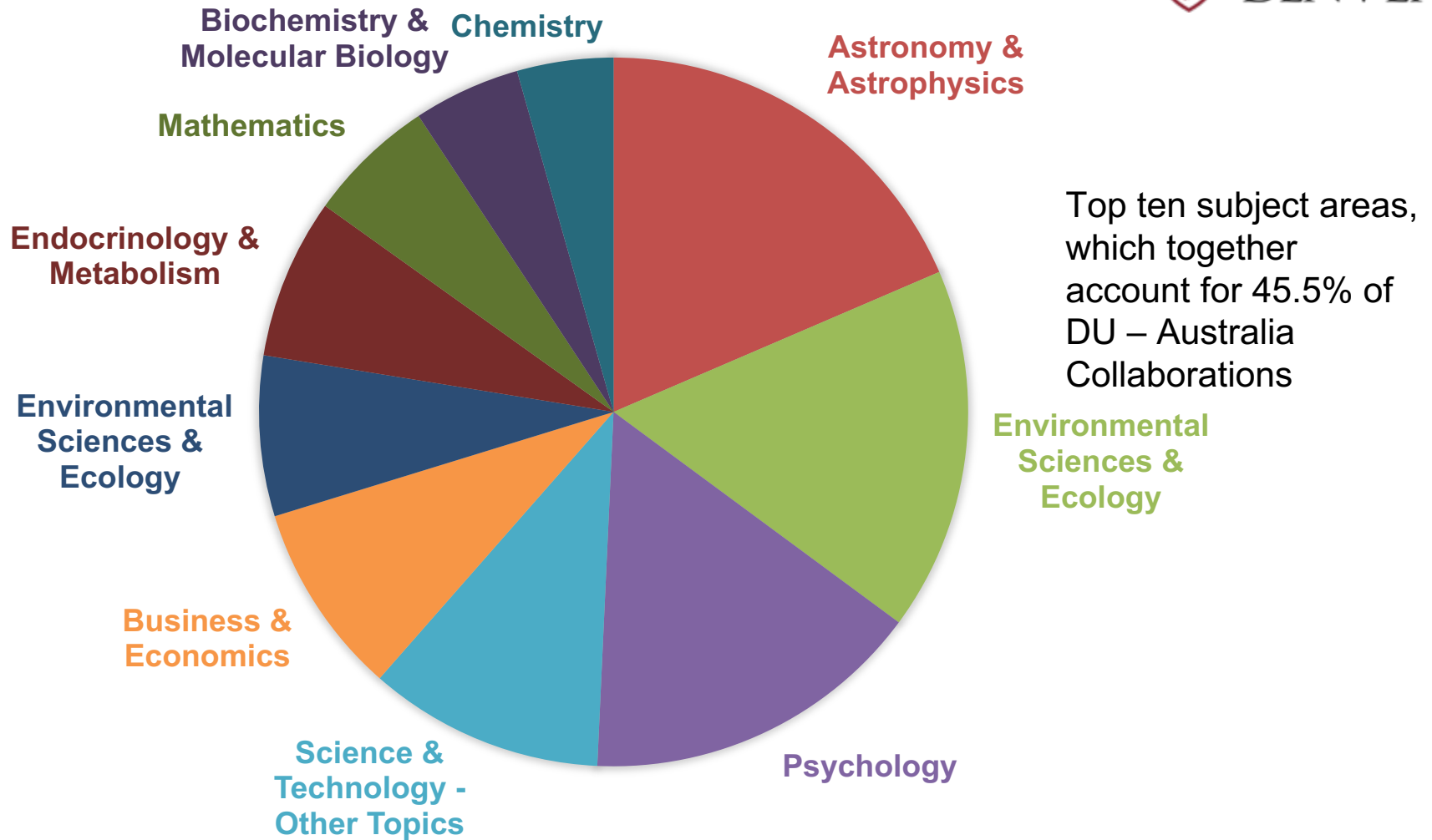


SUBJECT AREAS OF UF AND AUSTRALIAN COLLABORATIONS

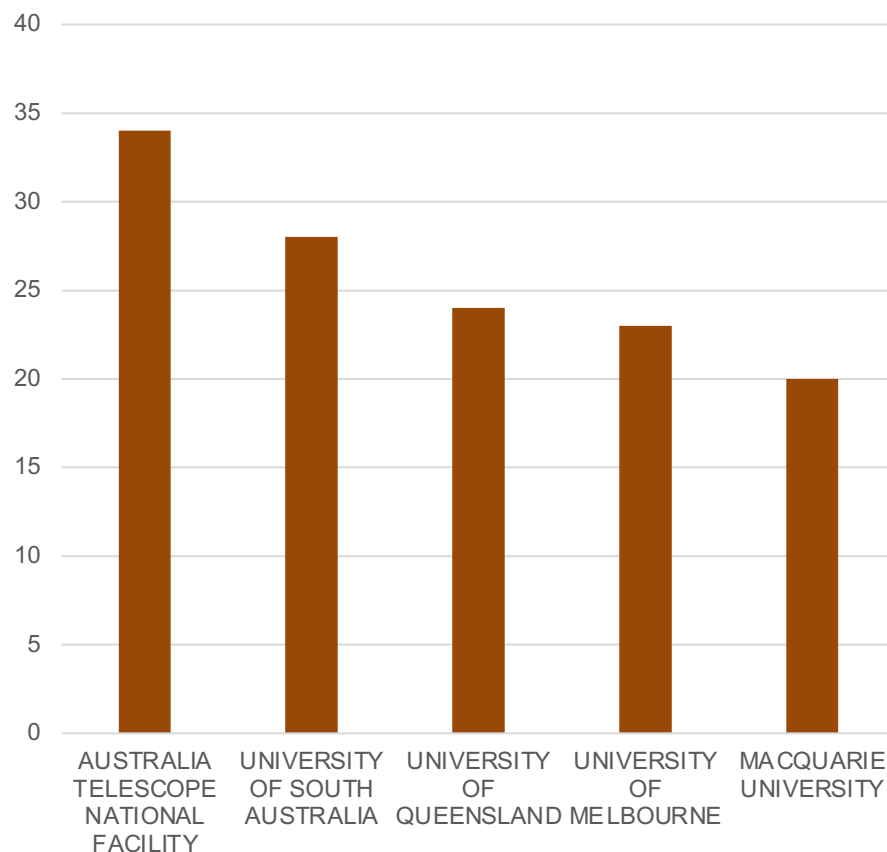
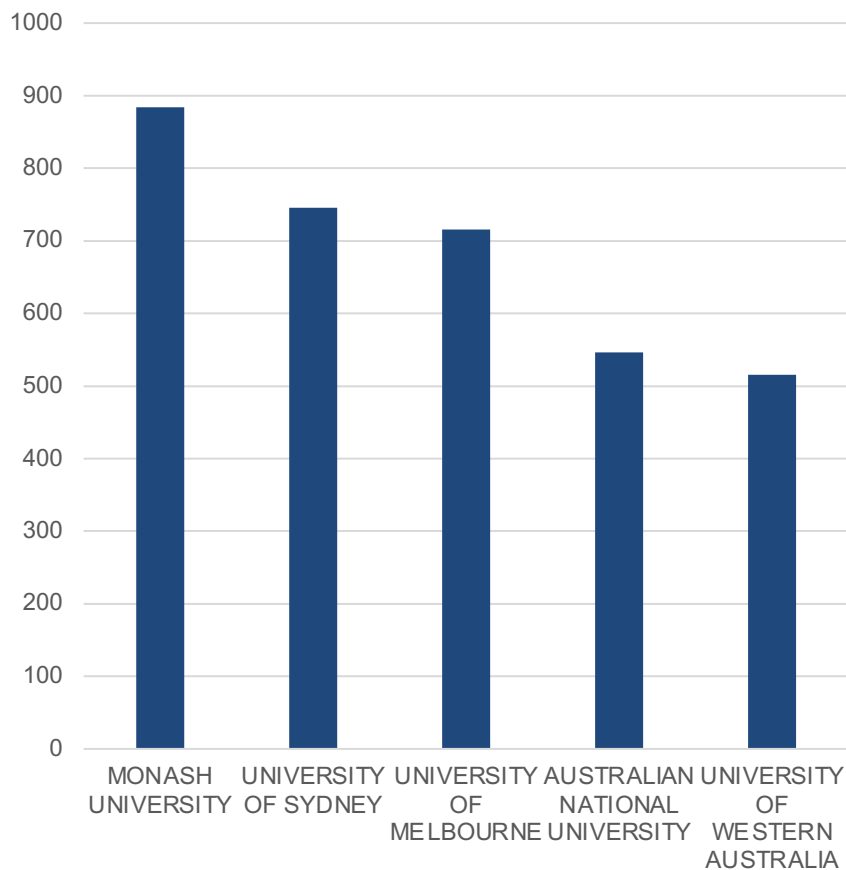


Top ten subject areas, which together account for 37.5% of UF – Australia Collaborations

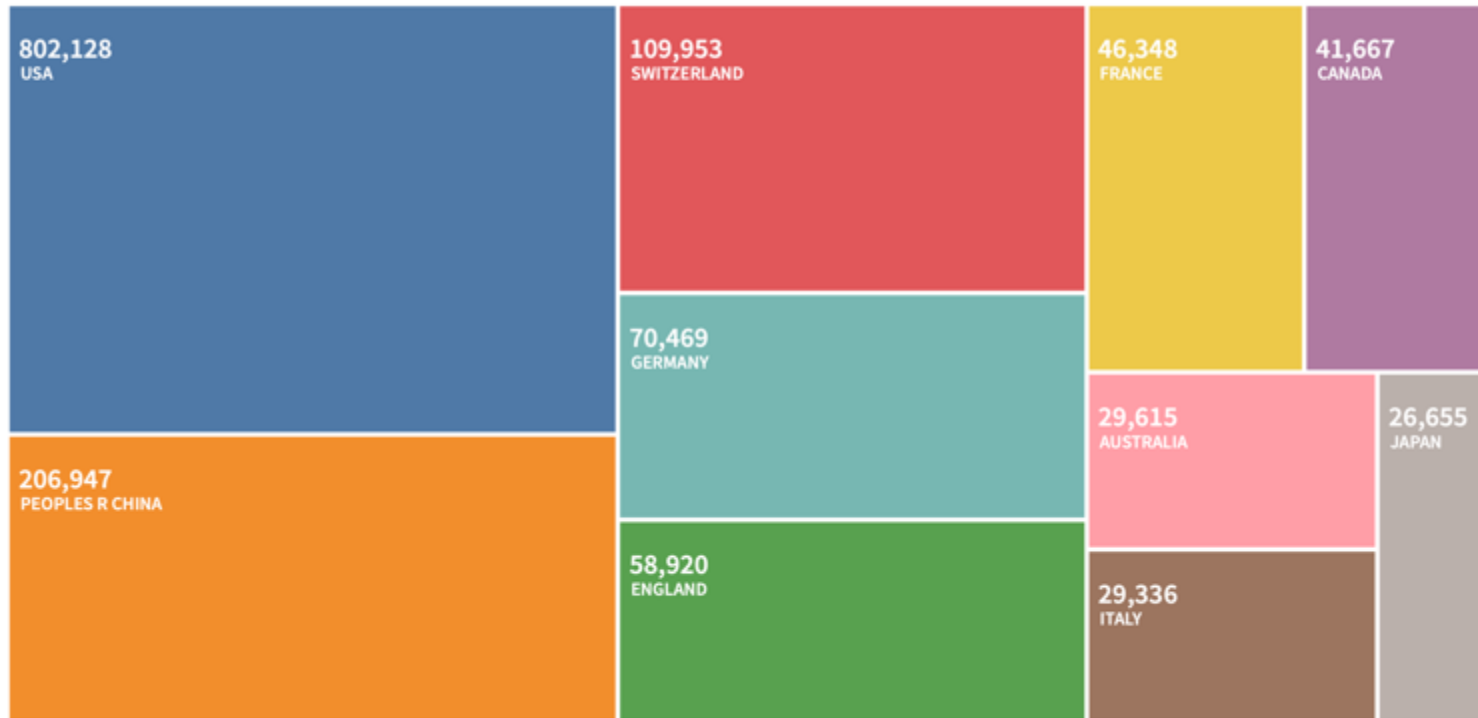
SUBJECT AREAS OF DU AND AUSTRALIAN COLLABORATIONS



Publications Co-Authored with Australian Authors – Top 5 Institutions



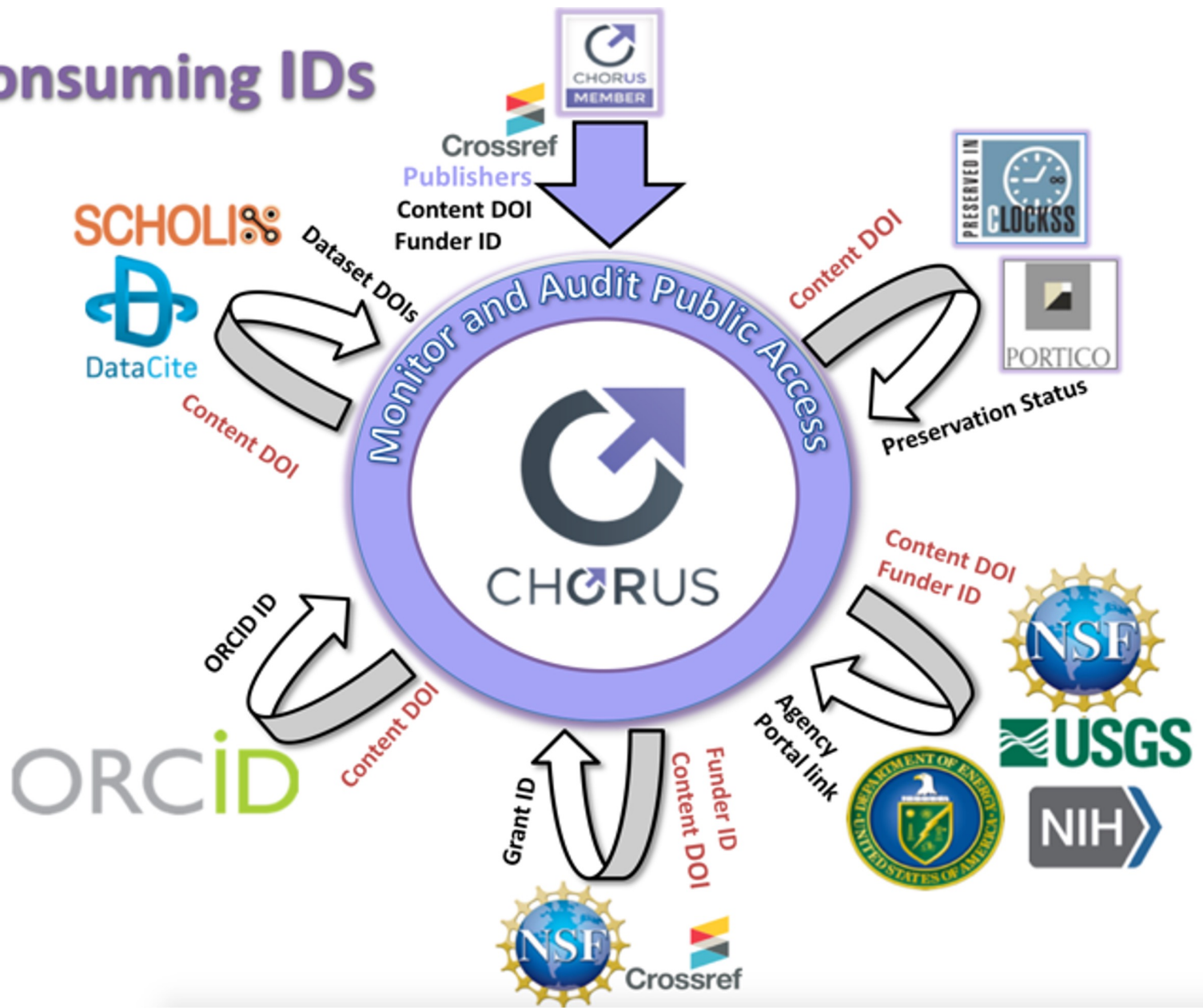
In *Web of Science*, there are 29,615 publications funded by NSF with Australian author affiliations



Ensuring Compliance

- An institutional priority
- Funders have varying requirements
- Whose job is it?
 - Office of Research?
 - The Colleges?
 - The Library?
 - All of the above?
- Need to manage data and reporting from multiple sources

Consuming IDs



University of Denver

ROR ID: 04w7skc03

Click on Data link above to view underlying data and to click through to DOI links to journal articles on publishers' sites.

Today's Indicators

1,550 - Publications to date, where: ?

21.2% - Verified open access on Publishers Site ?

37.5% - Reuse terms available ?

55.8% - Archived ?

3.4% - Datasets ?

18.8% - ORCID IDs ?

22.2% - Agency Portal URLs ?

123 - # Unique number of Datasets

169 - # Unique number of ORCID IDs

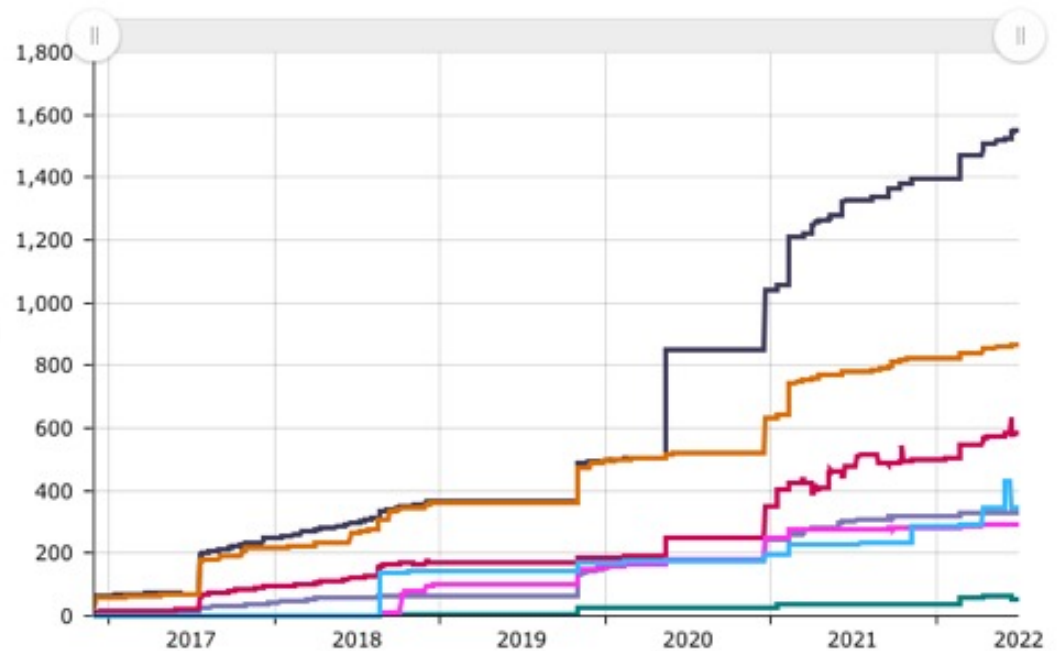
432 - # Unique number of Agency Portal URLs

Key Performance Indicators - History

Click on colored dots in legend to show or hide key indicator lines

Filter: CHORUS Funder Participants

- Total
- Open Access On Publishers Site
- Reuse Terms Available
- Archived
- Datasets
- ORCID IDs
- Agency Portal URLs



CHORUS Dashboard Terminology

Publication - DOI Record for article or conference proceeding with one or more Crossref Funder Registry Numbers

Open Access on Publisher Site - verified as OA by CHORUS auditing services

Reuse Terms Available - as registered to DOI, linked to license type

Archived - reported as ingested by CLOCKSS or Portico

Datasets - links to datasets associated with article (OpenAIRE ScholeXplorer Service / Scholix)

ORCID IDs - reported by ORCID

Agency Portal URLs - links to articles on funders' sites

Grant ID - reported by funders and / or Crossref

CHORUS Dashboards

- University of Denver
 - <https://dashboard.chorusaccess.org/institutions/udenver#/summary>
- University of Florida
 - <https://dashboard.chorusaccess.org/institutions/ufl#/summary>
- Agency Dashboards
 - <https://dashboard.chorusaccess.org>



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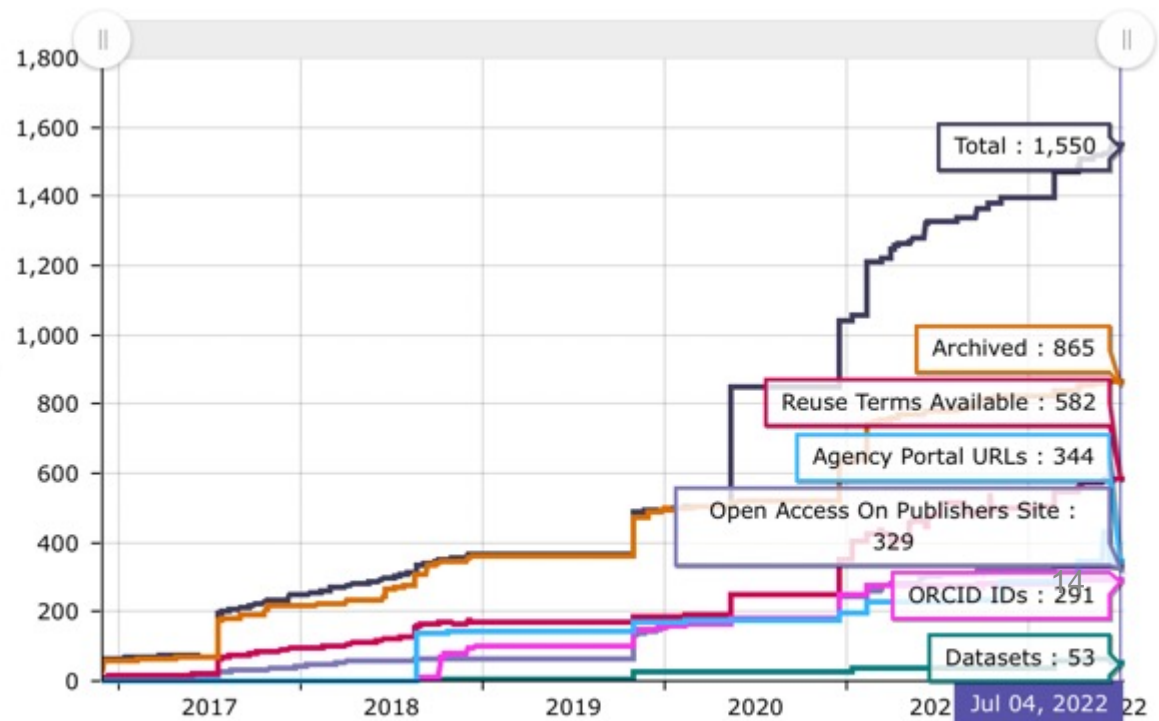
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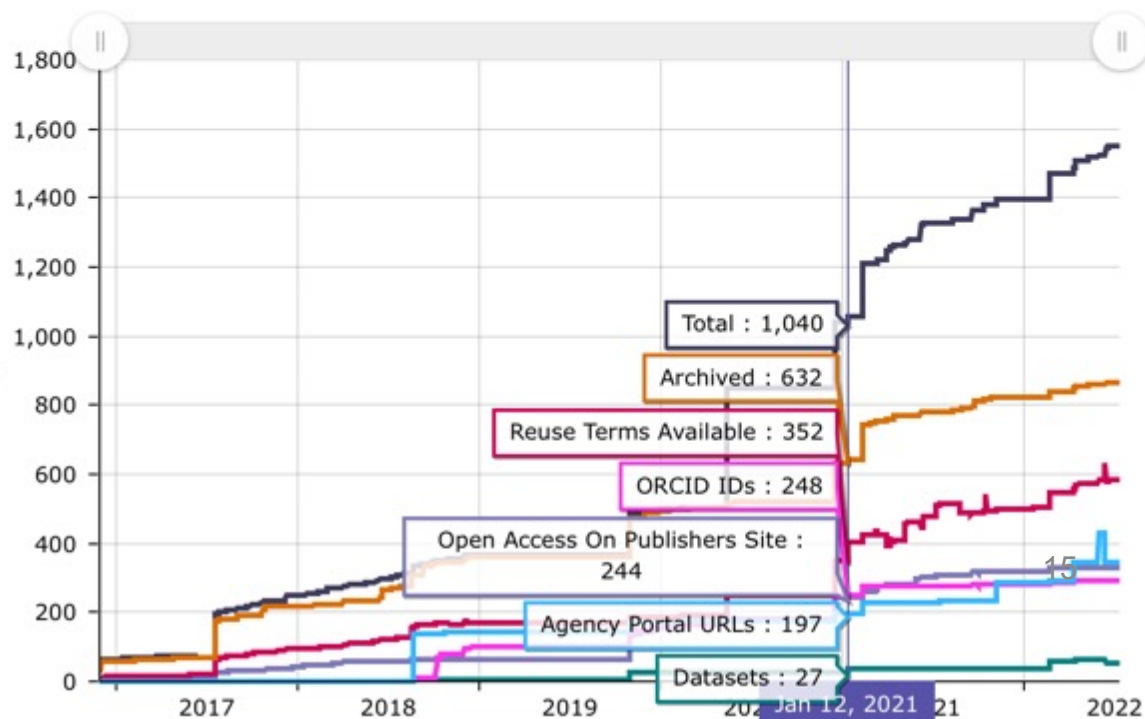
432 - # Unique number of Agency Portal URLs

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- Total
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- Archived
- Datasets
- ORCID IDs
- Agency Portal URLs



Click on Data link above to view underlying data and to click through to DOI links to journal articles on publishers' sites.

Today's Indicators

32,083 - Publications to date, where: ?

25.0% - Verified open access on Publishers Site ?

44.7% - Reuse terms available ?

59.0% - Archived ?

4.0% - Datasets ?

27.0% - ORCID IDs ?

21.1% - Agency Portal URLs ?

4867 - # Unique number of Datasets

4432 - # Unique number of ORCID IDs

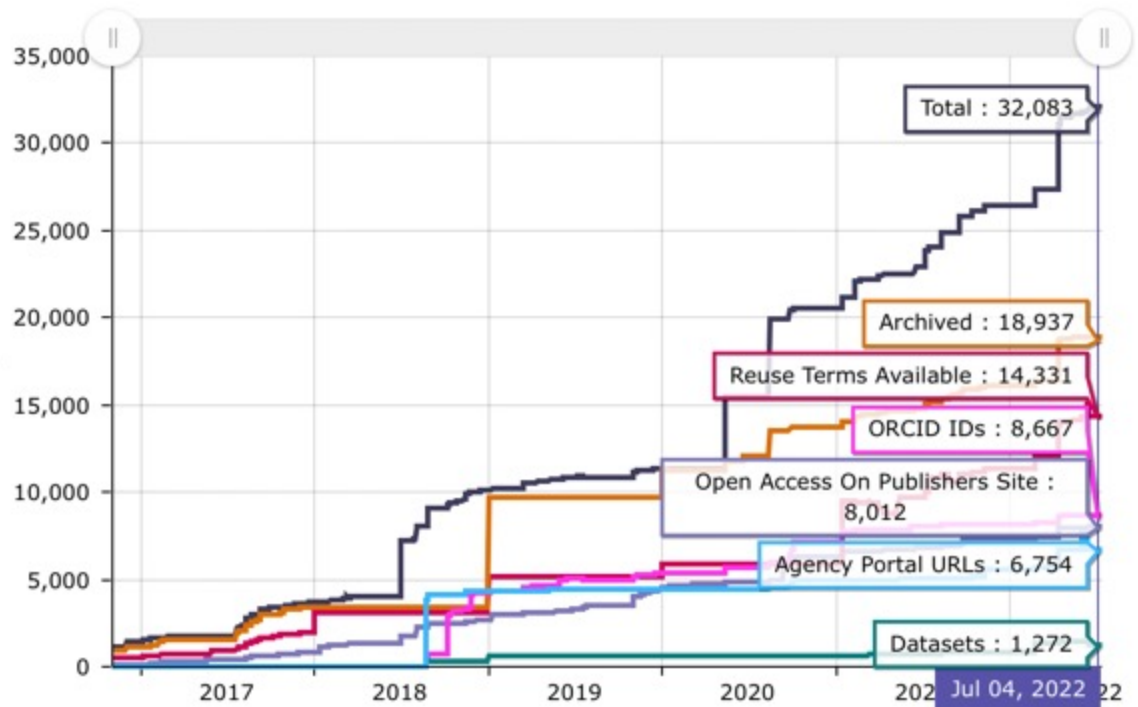
7599 - # Unique number of Agency Portal URLs

Key Performance Indicators - History

Click on colored dots in legend to show or hide key indicator lines

Filter: CHORUS Funder Participants

- Total
- Open Access On Publishers Site
- Reuse Terms Available
- Archived
- Datasets
- ORCID IDs
- Agency Portal URLs



Key Performance Indicators - Breakdown

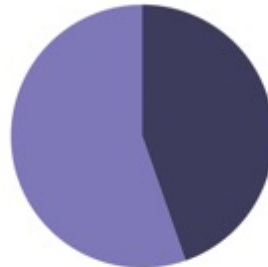
VERIFIED OPEN ACCESS ON PUBLISHERS SITE ?

● Yes 8,012 ● Unknown 24,071



ARE REUSE TERMS AVAILABLE? ?

● Yes 14,331 ● Unknown 17,752



ARCHIVED ?

● Yes 18,937 ● Unknown 13,146



DATASETS ?

● Yes 1,272 ● Unknown 30,811



ORCID IDS ?

● Yes 8,667 ● Unknown 23,416



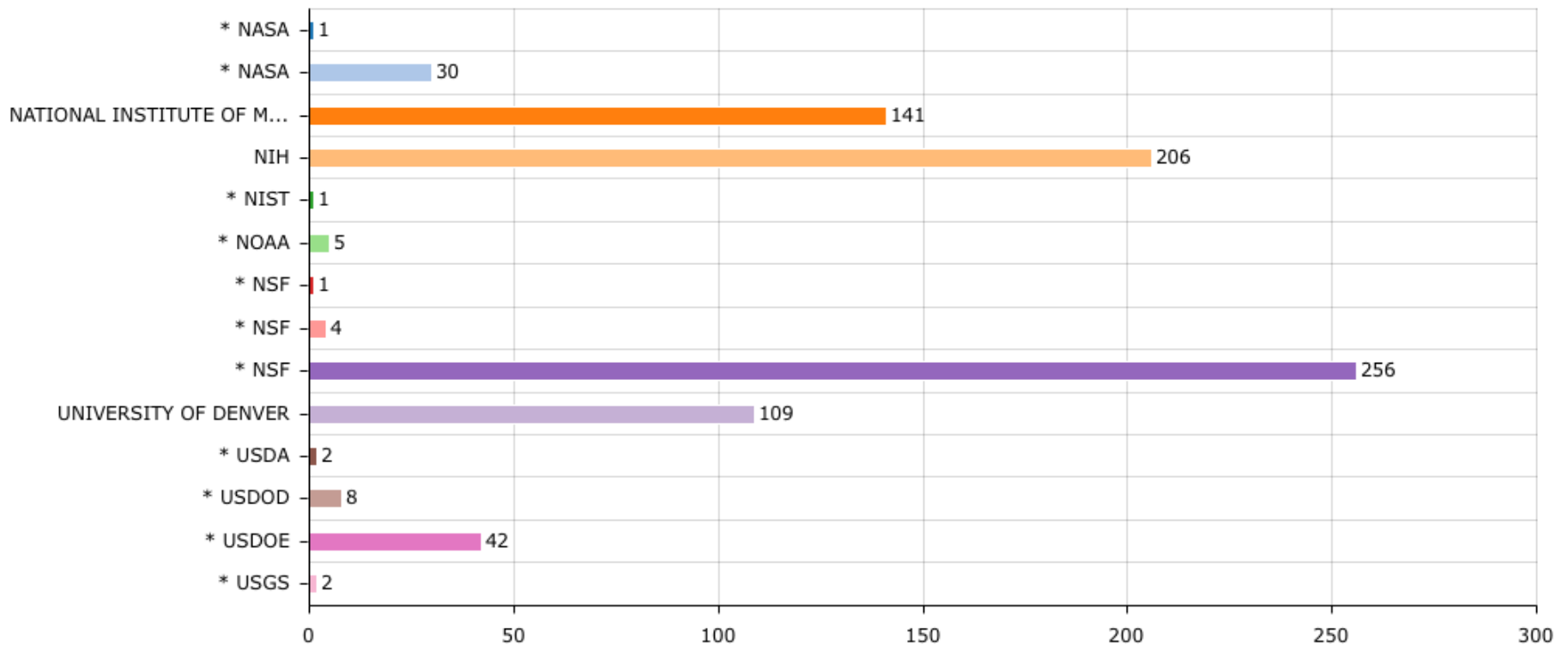
AGENCY PORTAL URLS ?

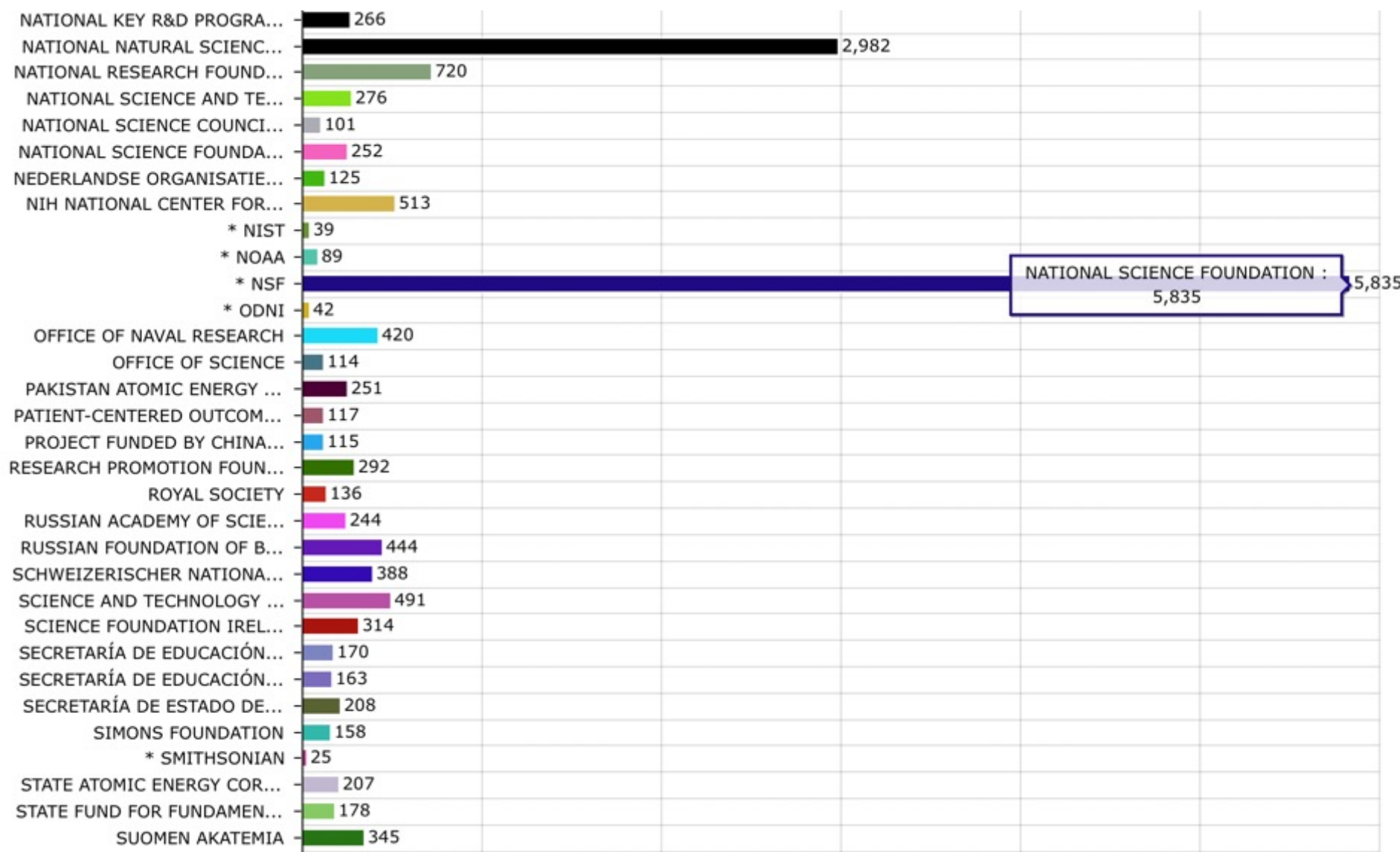
● Yes 6,754 ● Unknown 25,329



Top Agencies

Data below represents articles reporting on funded research from all CHORUS Funder Participants plus agencies with 100+ articles identified. Asterisks denote CHORUS Funder Participants. Hover over colored bars to see full name of agencies. Agencies are presented independent of its relationship to its parent.





National Science Foundation

Click on Data link above to view underlying data and to click through to DOI links to journal articles on publishers' sites.

Today's Indicators

290,324 - Publications to date, where: ?

50.8% - Verified open access on Publishers Site ?

64.8% - Reuse terms available ?

94.8% - Archived ?

5.4% - Datasets ?

38.6% - ORCID IDs ?

33.1% - Agency Portal URLs ?

38566 - # Unique number of Datasets

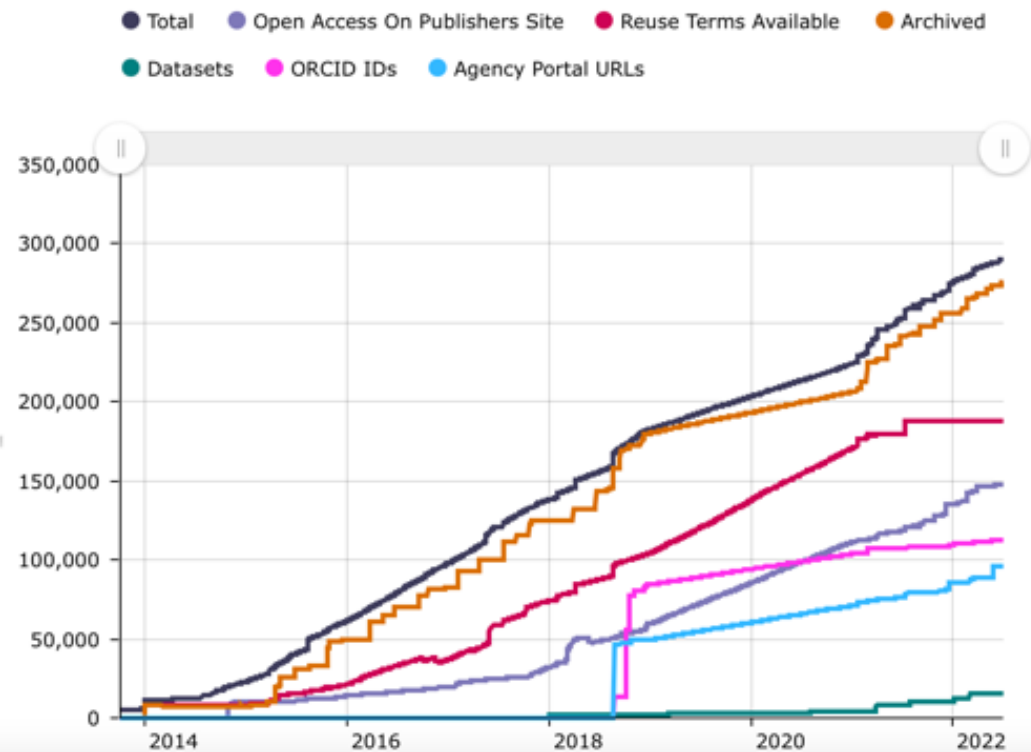
97714 - # Unique number of ORCID IDs

96056 - # Unique number of Agency Portal URLs

Key Performance Indicators - History

Filter: CHORUS Publisher Members

Click on colored dots in legend to show or hide key indicator lines



University of Florida

ROR ID: 02y3ad647

Data represents number of articles that meet specific criteria audited on the specified date.
Click on any number below to view underlying data and access DOI links that click through to articles on publishers sites.

Filter: CHORUS Funder Participants

Indicator History



Show 25 entries

Search:

Verified Open Access
on Publishers Site

Reuse Terms Available

Archived

Date	#	Verified Open Access on Publishers Site		Reuse Terms Available		Archived	
		Yes	Unknown	Yes	Unknown	Yes	Unknown
7/6/2022	32083	8012	24071	14331	17752	18937	13146
7/5/2022	32083	8012	24071	14331	17752	18937	13146
7/4/2022	32083	8012	24071	14331	17752	18937	13146
7/3/2022	32083	8012	24071	14331	17752	18937	13146
7/2/2022	32083	8012	24071	14331	17752	18937	13146
7/1/2022	32083	8012	24071	14331	17752	18937	13146
6/30/2022	32083	8012	24071	14331	17752	18937	13146
6/29/2022	32083	8012	24071	14331	17752	18937	13146
6/28/2022	32083	8012	24071	14331	17752	18937	13146
6/27/2022	32083	8012	24071	14331	17752	18937	13146

Showing 1 to 25 of 3,711 entries

Previous **1** 2 3 4 5 ... 149 Next

Record level information about Publisher Member content.
 Click on DOIs to be taken to articles on publisher site.

Indicator History Details

7/6/2022

ALL



Show entries

Search:

DOI	Funders	Funder ID	Publisher
https://doi.org/10.1152/physiolgenomics.00001.2020	1. Natural Sciences and Engineering Research Council of Canada	10.13039/501100000038	American Physiological Society
https://doi.org/10.1007/s10472-019-09661-7	1. State Scholarships Foundation	10.13039/501100003447	Springer Science and Business Media LLC
https://doi.org/10.1109/tc.2020.2997644	1. NSF	10.13039/100000001	Institute of Electrical and Electronics

Showing 1 to 25 of 32,083 entries



Previous 2 3 4 5 ... 1284 Next

ALL



Show 25 entries

Search:

DOI	Funders	Funder ID	Publisher	Authors	
https://doi.org/10.1016/j.ympcv.2017.07.023	1. Australian Biological Resources Survey 2. CSIRO 3. USDA	10.13039/501100001138 10.13039/501100000943 10.13039/100000199	Elsevier BV	Davies K.A., Giblin-Davis R.M., Lewis M.L., Makinson J., Purcell M.F., Scheffer S.J., Taylor G.S., Thornhill A.H., Winkler I.S., Yeates D.K. 	site Phy Au: file: Fer Evc pat shir mo
https://doi.org/10.1016/j.foodcont.2018.05.008	1. CSIRO 2. Rural Industries Research and Development Corporation	10.13039/501100000943 10.13039/501100000982	Elsevier BV	Duffy Lesley L., Judy Jonathan, King Thea, Osmond-McLeod Megan J. 	Inv the act zin: cop nar age rel: of: Ca



Phylogenetics of Australasian gall flies (Diptera: Fergusoninidae): Evolutionary patterns of host-shifting and gall morphology

S.J. Scheffer ^a, K.A. Davies ^b, C.S. Taylor ^c, A.H. Thornhill ^d, M.L. Lewis ^a, I.S. Winkler ^e, D.K. Yeates ^d, M.F. Purcell ^f, J. Makinson ^f, R.M. Giblin-Davis ^g

Show more

Share Cite

<https://doi.org/10.1016/j.ympev.2017.07.023>

Get rights and content

Highlights

- Monophagy exhibited by presumptive *Fergusonina* gall flies was 73%.

Recom

K.A. Davies

[View in Scopus](#)

The pred
Zoologis

Australian Centre for Evolutionary Biology and Biodiversity, and School of Agriculture, Food and Wine, The University of Adelaide, Waite Campus, PMB 1, Glen Osmond, South Australia 5064, Australia

Purch

Ontogen
Behaviour

[✉ kerrie.davies@adelaide.edu.au](mailto:kerrie.davies@adelaide.edu.au)

Purch

Thermal
Journal of

More documents by K.A. Davies
Provided by Scopus

Purch

[Schistonchus macrophylla \(Nematoda: Aphelenchoid...](#)
Davies, K.A., Bartholomaeus, F., Li, D.M., Zhao, Z.Q.,...

View details

Article

[Ficophagus \(Nematoda: Aphelenchoididae\) from syc...](#)
Davies, K.A., Bartholomaeus, F., LI, D.M., Zhao, Z.Q.,...

Citations

View details

Citation In

[First record of Tripylina Brzeski, 1963 \(Nematoda: En...](#)
Yao, Y.N., Xu, Y.M., Zhao, Z.Q., Davies, K.A.

Capture

View details

Readers:

	Type	Added	Updated	Grant ID	Archived 	Datasets (beta) 	Audit Source 	Funder Source
	journal-article	8/18/2018	6/16/2022	United States Department of Agriculture:CRSR-99-34135-8478 United States Department of Agriculture:CRSR-03-34135-14078	Yes		CHORUS	Crossref
	journal-article	6/4/2020	6/16/2022	Rural Industries Research & Development Corporation:PRJ010326	Yes		GetFTR	Crossref

Show 25 entries

Search:

DOI	Funders	Funder ID	Publisher	Authors	Ar
https://doi.org/10.1016/j.jmathb.2017.12.004	1. National Science Foundation	10.13039/100000173	Elsevier BV	Barrett Jeffrey E., Clements Douglas H., Cullen Amanda L., Cullen Craig J., Dolgin Ron, Eames Cheryl L., Hudyma Aaron, Sarama Julie, Van Dine Douglas W. 	Evalu three interv teach meas spatia to you
https://doi.org/10.3390/jimaging2030025	1. National Science Foundation	10.13039/100006445	MDPI AG	Mahoor Mohammad, Rezaeilouyeh Hadi	Auton Gleas of Prc Cancr Shear Trans Multiq Learn
https://doi.org/10.1016/j.childyouth.2014.11.006	1. National Science Foundation	10.13039/100006435	Elsevier BV	Altschul Inna, Gershoff Elizabeth T., Lee Shawna J.	Wait t father Mothe father and d of chil aggre

Showing 1 to 25 of 121 entries

Previous **1** 2 3 4 5 Next

Show 25 entries

Search:

License URL	Reuse License Start Date	Agency Portal URL
https://www.elsevier.com/open-access/userlicense/1.0/	05/16/2019	http://par.nsf.gov/biblio/10134270

Type	Added	Updated	Grant ID	Archived	Datasets (beta)	Audit Source	Funder Source
journal-article	6/7/2021		Center for Selective C-H Functionalization National Science Foundation:0818478	Unknown	http://dx.doi.org/10.3886/icpsr31622.v1	CHORUS	Crossref

How we use CHORUS



Did a deep dive to learn more about researcher behavior and motivations around self archiving

- Interviewed faculty to learn why they had or had not archived papers stemming from federally-funded research
- Possible because of our relatively small size

Eastwood, M., Bowers, J., Cox, J. and Maness, J. (2022). "One size does not fit all: Self-archiving personas based on federally-funded researchers at a mid-sized private institution," *Journal of Librarianship and Scholarly Communication* [Forthcoming].

How we use CHORUS



Getting a better handle on our published research

- Recently added around 1,100 records identified in the CHORUS dashboard into our institutional repository
- Developing workflows (next slide) to help us with a project to clean up metadata in our faculty reporting system (Watermark Faculty Success – formerly knowns as Activity Insight / Digital Measures)

These processes are manual – need to automate them

Contact Information

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