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)**

<table>
<thead>
<tr>
<th>Category</th>
<th>University of Denver</th>
<th>University of Florida</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carnegie Classification of Institutions of Higher Education</td>
<td>Doctoral Universities: Very High Research Activity (R1)</td>
<td>Doctoral Universities: Very High Research Activity (R1)</td>
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<tr>
<td>Doctoral Degrees</td>
<td>389</td>
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<td>Full Time Faculty</td>
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<td>31</td>
<td>111</td>
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<td>Faculty : Lib &amp; Prof Staff Ratio</td>
<td>25:1</td>
<td>47:1</td>
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<td>Research Expenditures</td>
<td>$41 million</td>
<td>$1 billion</td>
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<tr>
<td>Number of Articles*</td>
<td>669</td>
<td>8,415</td>
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<td>Social and Behavioral Sciences</td>
<td>STEM</td>
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*Articles published in 2020 - Source: Web of Science*
COMPARISON OF TOP TEN PUBLISHERS USED (2011-2022)

Data from *Web of Science*

- ELSEVIER
- WILEY
- SPRINGER
- OUP
- LWW
- TAYLOR & FRANCIS
- ACS
- SAGE
- AMER SOC HORT SCI
- PLOS
- APA
- IEEE
- IOP

University of Florida

University of Denver
Top ten subject areas, which together account for 37.5% of UF – Australia Collaborations.
Top ten subject areas, which together account for 45.5% of DU – Australia Collaborations.
Publications Co-Authored with Australian Authors – Top 5 Institutions

- University of Melbourne
- Australian National University
- University of Western Australia
- University of Sydney
- Monash University

- Australia Telescope National Facility
- University of South Australia
- University of Queensland
- University of Melbourne
- Macquarie University
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
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

1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
2017 2018 2019 2020 2021 2022

- 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
Today's Indicators

1,550 - Publications to date, where:

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- 37.5% - Reuse terms available
- 55.8% - Archived
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- 22.2% - Agency Portal URLs

123 - # Unique number of Datasets
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Key Performance Indicators - History

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- Archived
- Datasets
- ORCID IDs
- Agency Portal URLs

Filter: CHORUS Funder Participants

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1,550 - Publications to date, where:

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Key Performance Indicators - History

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

Filter: CHORUS Funder Participants
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

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

Total: 32,083
Archived: 18,937
Reuse Terms Available: 14,331
ORCID IDs: 8,667
Open Access On Publishers Site: 8,012
Agency Portal URLs: 6,754
Datasets: 1,272

Jul 04, 2022
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

Click on colored dots in legend to show or hide key indicator lines.
### Indicator History

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.

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<tr>
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Showing 1 to 25 of 3,711 entries
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**7/6/2022**  
**ALL**

**Show** 25 entries

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<td>10.13039/100000001</td>
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Showing 1 to 25 of 32,083 entries  

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2. CSIRO  
3. USDA                                             | 10.13039/501100001138  
10.13039/501100000943  
| 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. |
Phylogenetics of Australasian gall flies (Diptera: Fergusoninidae): Evolutionary patterns of host-shifting and gall morphology

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

Highlights
- Monophagy exhibited by presumptive Fergusonina gall flies was 73%.
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<td>10.13039/100006435</td>
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<td>Altschul Inna, Gershoff Elizabeth T., Lee Shawna J.</td>
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</tr>
<tr>
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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

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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