Research Data Discoverability
The role of libraries in making research data discoverable and accessible

Funders increasingly require that data resulting from funded research be deposited for public access, but until now there have been no standard models for preserving, accessing, or even describing these data sets. In this session, academic librarians will discuss some of the challenges faced by research institutions of different sizes in managing data, explore the differing roles of libraries in this process at these universities, consider how these institutions might more effectively manage data & link it to related publications, and seek input and potential partnerships from the R2R participants.
“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
Data management

- Compliance with funder mandates
- Metadata and linking
- Reporting
- Preservation and access
- Reputation management
# About Us:
## Institutional Profiles (Annual Productivity)

<table>
<thead>
<tr>
<th></th>
<th>UNAM</th>
<th>University of Denver</th>
<th>University of Florida</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carnegie Class [or equivalent]</td>
<td>[Doctoral Universities: Very High Research Activity]</td>
<td>Doctoral Universities: Very High Research Activity (R1)</td>
<td>Doctoral Universities: Very High Research Activity (R1)</td>
</tr>
<tr>
<td>Doctoral Degrees</td>
<td>892</td>
<td>389</td>
<td>1,859</td>
</tr>
<tr>
<td>Full Time Faculty</td>
<td>13,113</td>
<td>762</td>
<td>5,237</td>
</tr>
<tr>
<td>Librarians &amp; Professional Staff</td>
<td>278</td>
<td>31</td>
<td>111</td>
</tr>
<tr>
<td>Faculty : Lib &amp; Prof Staff Ratio</td>
<td>47:1</td>
<td>25:1</td>
<td>47:1</td>
</tr>
<tr>
<td>Research Expenditures</td>
<td>$639 million</td>
<td>$41 million</td>
<td>$942 million</td>
</tr>
<tr>
<td>Number of Articles*</td>
<td>7,867</td>
<td>669</td>
<td>8,415</td>
</tr>
<tr>
<td>Disciplines (Strengths)</td>
<td>STEM</td>
<td>Social and Behavioral Sciences</td>
<td>STEM</td>
</tr>
</tbody>
</table>

*Articles published in 2020 - Source: Web of Science*
What roles do you play in managing research data?

<table>
<thead>
<tr>
<th>Good data governance</th>
<th>Good institutional governance</th>
</tr>
</thead>
<tbody>
<tr>
<td>It’s clear who owns what.</td>
<td>Information is reliable.</td>
</tr>
<tr>
<td>The right people are accessing the right data.</td>
<td>People are making informed decisions.</td>
</tr>
<tr>
<td>The data is high quality.</td>
<td>Better insights are fueling greater innovation.</td>
</tr>
<tr>
<td>The data is secure.</td>
<td>The future is secure.</td>
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</table>
What are the key challenges you face in managing data?

Adapted From Sarah Nusser’s talk at the CHORUS Forum, January 2021
What would help you overcome some of the barriers to managing data?
How can publishers, intermediaries, and funders help libraries manage research data?
Comparison of Top 10 Publishers Utilized: 2011-2020
University of Denver
ROR ID: 04w7skc03
GRID: grid.266239.a

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
1,383 - Publications to date, where:

22.9% - Verified open access on Publishers Site

35.8% - Reuse terms available

59.4% - Archived

2.7% - Datasets

20.3% - ORCID IDs

17.1% - Agency Portal URLs

83 - # Unique number of Datasets

169 - # Unique number of ORCID IDs

237 - # Unique number of Agency Portal URLs

Key Performance Indicators - History
Click on colored dots in legend to show or hide key indicator lines

For more information please visit - chorusaccess.org
CHORUS Data Sources

**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
For more information please visit - chorusaccess.org
Today's Indicators

- 12,487 - Publications to date, where:
- 4.4% - Verified open access on Publishers Site
- 28.9% - Reuse terms available
- 11.1% - Archived
- **0.8% - Datasets**
- 5.5% - ORCID IDs
- 2.7% - 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

Graph showing data from February 2008 to February 2013.
Open Access mandates in Latin America for publications and research data

**Legislative mandate** policies of Open Access for publications and research data

- Peru (2013) - Mandatory
- Argentina (2013) - Mandatory
- Mexico (2014) - Non mandatory

**Recommendations** issued by the national science agencies

- Brazil (2007 and 2011)
- Chile (2014)
- Colombia (2019)

Source: Babini, Dominique & Rovelli, Laura
Tendencias recientes en las políticas científicas de ciencia abierta y acceso abierto en Iberoamérica

Scientific Electronic Library Online
https://scielo.org/

Its main objective is to increase the dissemination and visibility of the scientific publications in Latin America, Caribbean, Spain and Portugal.

Source: scielo.org
How can publishers, intermediaries, and funders help manage research data?
Contact Information

Joaquín Giménez Héau
Coordinador de Colecciones y Datos de Investigación
Dirección General de Repositorios Universitarios, UNAM
joaquin@dgru.unam.mx

Michael Levine-Clark
Dean of Libraries
University of Denver
michael.levine-clark@du.edu

Judy Russell
Dean of University Libraries
University of Florida
jcrussell@ufl.edu

Alicia Wise
Executive Director
CLOCKSS
awise@clockss.org