

Policy and Community Building Practices: ARL and the RADS Initiative

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What is the Association of Research Libraries (ARL)?

A nonprofit membership organization of libraries and archives in Canada and the US comprised of:

- major public and private university (research) libraries
- federal government agencies libraries
- public libraries
- consortium library

Currently 127 members



Realities of Academic Data Sharing research has been generously funded by NSF EAGAR grant #2135874:
Completing the Lifecycle: Developing Evidence Based Models of Research Data Sharing

ARL Supports Member Institutions

ARL was established in 1932 and incorporated in 1961

- Established due to the recognized need for coordinated action and the desire for a forum “to address common problems.”
- Collaboration, community building, and establishing spaces forums to address common problems is still the core of ARL today



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ARL Advocacy and Public Policy Priorities

- Academic Freedom
- Accessibility
- Broadband & open internet
- Civil & human rights
- Copyright
- Government information
- Privacy



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ARL Coalition Partners

American Council on Education
American Council on Learned Societies
Coalition for National Science Funding
Confederation of Open Access Repositories
Consortium of Social Science Associations
International Alliance of Research Library
Associations
International Coalition of Library Consortia

International Federation of Library
Associations and Institutions
Library Copyright Alliance
National Humanities Alliance
Open Access Working Group
Open the Government
Re:Create Coalition
SPARC



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The Realities of Academic Data Sharing (RADS) Initiative

- ARL Research Initiative
 - Project, not operations
- Research across six institutions
- What is the cost to make research data publicly available
- Where are researchers depositing their research data?
 - Metadata analysis
 - Metadata completeness assessment



Cornell University



UNIVERSITY OF MINNESOTA



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Five Recommended Persistent Identifiers

The Association of Research Libraries, the California Digital Library, APLU, and AAU released a report, [*Implementing Effective Data Practices: Stakeholder Recommendations for Collaborative Research Support*](#), in 2020 with recommendations for data practices supporting an open research ecosystem. The report identified five core Persistent Identifiers (PIDs) that are fundamental and foundational to an open data ecosystem. Using these PIDs will ensure that basic metadata about research is standardized, networked, and discoverable in scholarly infrastructure:

1. Digital object identifiers (DOIs) to identify research data, as well as publications and other outputs
2. Open Researcher and Contributor (ORCID) IDs to identify researchers
3. Research Organization Registry (ROR) IDs to identify research organization affiliations
4. Crossref Funder Registry IDs to identifier research funders
5. Crossref Grant IDs to identify grants and other types of research awards



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ARL recommendations to US Federal Government

- making research outputs available as soon as possible;
- engaging stakeholders from the research community around security concerns;
- investing in PIDs and machine-actionable data management plans;
- prioritizing the upskilling of early-career researchers, graduate students, and undergraduates in these areas, with a particular focus on historically underrepresented populations.



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RADS Advisory Board

- David Kennedy, Council on Government Relations (COGR)
- James Luther, Yale University & the Federal Demonstration Partnership (FDP)
- Mark Puente, Purdue University
- Kacy Redd, Association of Public and Land Grant Universities (APLU)
- Tobin Smith, American Association of Universities (AAU)
- Tyler Walters, Dean, University Libraries, Virginia Tech
- Martha Whitehead, Harvard University



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RADS: Data Sharing Phases & Activities

How did you primarily address each of the following data sharing activities in the '**Data Collection, Storage, and Management**' phase of your research?

Developing documentation of data (e.g., data dictionary, protocols)

Creating quality control mechanisms or procedures

Evaluating data analysis tools and processes to support sharing and reproducibility

Managing active data (e.g., storage, security, backup, lab notebooks)



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COGR: Roles & Responsibilities Matrix

COGR's NIH Data Management and Sharing Policy Readiness Guide

-----**Coming Soon**-----

Chapter 3

**Roles and Responsibilities At Your Institution (Part 2:
Institutional Worksheet, Excel Download)**



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Expanding
Partnership:
ARL &
COGR Joint
Webinar

Gearing Up For January 2023:

*Institutional Strategies for
Implementing the NIH Data
Management & Sharing Policy*

September 30, 1-2:15 ET

Complimentary Webinar, Registration Required



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Wrap Up

- Community and partnership building is critical to ARL work
- Policy tracks federal legislation and regulation on key policy areas and works with partners to understand and develop positions on new policy issues
- Policy work then lays the foundation for ARL project works, such as the Realities of Academic Data Sharing Initiative
- RADS continues to grow and develop partnerships, which then adds to community understanding and informs ARL's policy advocacy



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Resources & References

Association of American Universities and Association of Public and Land-grant Universities (2021). *Guide to Accelerate Public Access to Research Data*.

<https://doi.org/10.31219/osf.io/tjybn>

Association of Research Libraries. *Advocacy and Public Policy*.

<https://www.arl.org/category/our-priorities/advocacy-public-policy/>

Association of Research Libraries. Realities of Academic Data Sharing Initiative.

<https://www.arl.org/realities-of-academic-data-sharing-rads-initiative/>

Chodacki, J., et al (2020). *Implementing Effective Data Practices: Stakeholder Recommendations for Collaborative Research Support*. Association of Research Libraries.

<https://doi.org/10.29242/report.effectivedatapactices2020>

Kennedy, M.L. (2021, Aug 3). *ARL Responds to US Office of Science and Technology Policy Request for Information to Improve Federal Scientific Integrity Policies*. Association of Research Libraries. [Web link](#).



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Thank You!

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