

DATA CURATION NETWORK

We're all in this together: Readyng IRs to
support federally funded research



Jake Carlson, University at Buffalo, SUNY

Mikala Narlock, Data Curation Network / University of Minnesota

Follow our work: datacurationnetwork.org



**We're all in this together:
Readying IRs to support
federally funded research**

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University of Minnesota

Follow along: <https://hdl.handle.net/11299/258138>





2022-2023: Year(s) of Open Science



Nelson Memo

Ensuring Free, Immediate, and Equitable Access to Federally Funded Research

- ALL federal funding agencies
- Data explicitly identified
- Removing embargo period

Released August 2022



Desirable Characteristics

Desirable Characteristics Of Data Repositories For Federally Funded Research

- 14 characteristics; 7 additional for sensitive repositories
- High-level; intentionally broad

Released May 2022



GREI

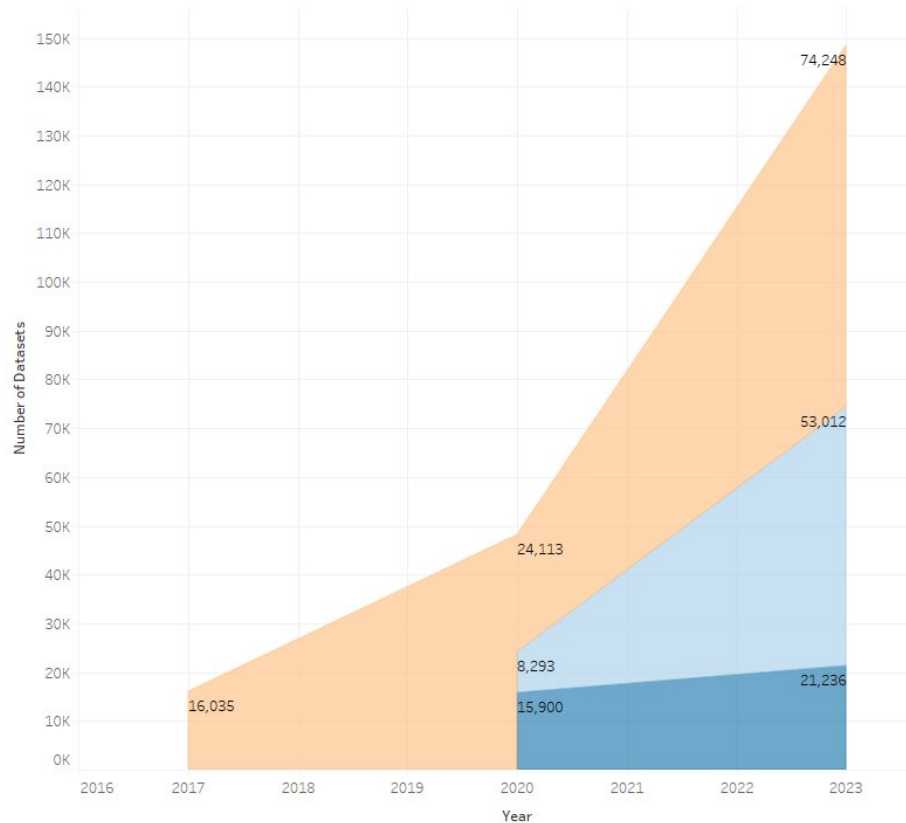


- Generalist Repository Ecosystem Initiative
 - Common set of capabilities, services, metrics
 - Awareness and adoption of FAIR

Data in IRs and IDRs

- Longitudinal study
 - 2017, 2020, 2023
- Orange = cumulative total
- Dark blue = datasets in IRs
- Light blue = datasets in IDRs

Total Count of Datasets in IRs, IDRs, and Total Overall Number in 2017, 2020, and 2023



Graph created by Rachel Priesman Marquez.

Comparative Spreadsheet of DCN Members

Snapshot in time

- Each institution self-evaluated against the DC-DR
- 17 member institutions in Summer 2022

Where are IRs/IDRs in meeting the DC-DR? Where do we need to improve our repositories?



Based on our self assessment.... (N=17)



We are in alignment with:

1. Free and easy access (n=17)
2. Common format (n=16)
3. Clear use guidelines (n=14 yes; 3 in progress)
4. Provenance (n=16)
5. PIDs (n=16)
6. Metadata (n=16)

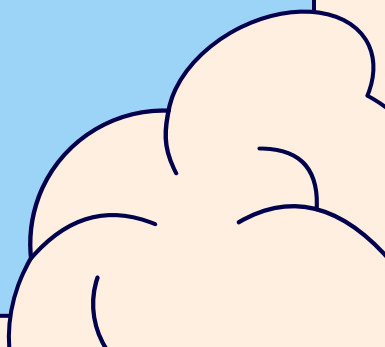
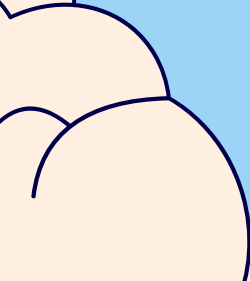


We need to improve in:

1. Long-term organizational sustainability
2. Curation and quality assurance
3. Security and integrity
4. Authentication
5. Handling sensitive data



**It's hard to
evaluate against
something so
broad.**





Sustaining Open Research: Virtual Learning Series

Session #1: Funding Agencies and the Desirable Characteristics

Session #2: Data Sharing Readiness in Academic Institutions

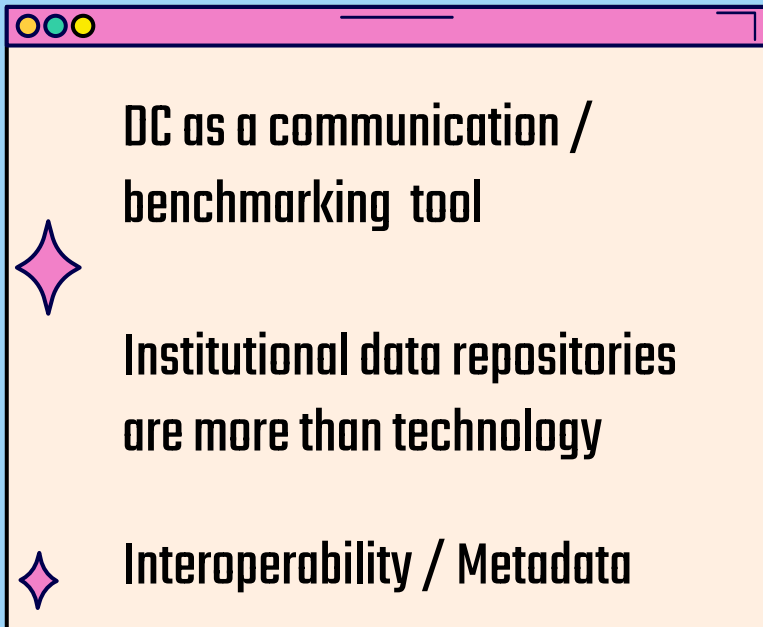
✦ Session #3: Making the Case for Institutional [Data] Repository Services

✦ Session #4 : Developing and Maturing IR Technology Platforms to Support Data Sharing

🌟 14 amazing speakers; average of 188 registrants/session 🌟



Key Themes



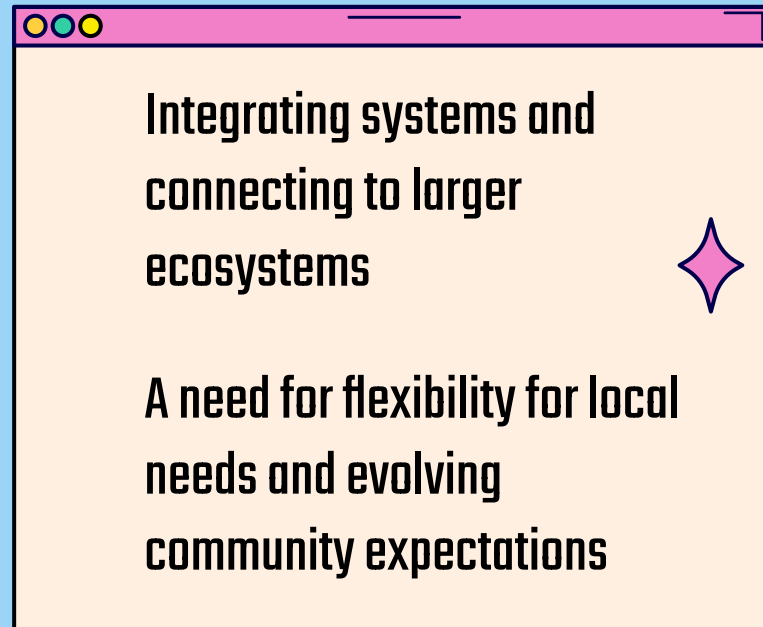
DC as a communication /
benchmarking tool

◆

Institutional data repositories
are more than technology

◆

Interoperability / Metadata



Integrating systems and
connecting to larger
ecosystems

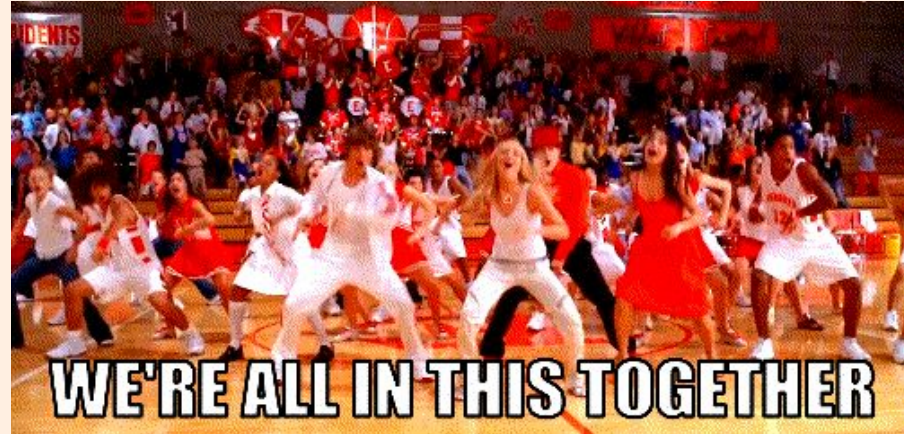
◆

A need for flexibility for local
needs and evolving
community expectations



Repository Readiness Summit

- Community-developed and owned evaluative metrics
- Advocate for our services and infrastructure
- Demonstrate the impact of IRs and IDRs





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