

Repository Platforms for Research Data: Addressing Requirements and Gaps

Robert R. Downs

NASA Socioeconomic Data and Applications Center (SEDAC)

Center for International Earth Science Information Network (CIESIN), Columbia University

Research Data Alliance Plenary 10

Montreal, Canada; 19-21 September 2017

Thursday, 21 April 2017; 11:00 a.m. - 12:30 p.m.



RPRD IG

- Current Co-Chairs

- Robert R. Downs, Michael Jones, Ralph Mueller-Pfefferkorn, João Rocha da Silva

- Previous Co-Chairs

- Stefan Kramer, David Wilcox

- Please visit the web page for this session to add notes during the session

- Visit <https://www.rd-alliance.org/groups/repository-platforms-research-data.html>

- Click “Join Group” and login to your RDA account

- Send comments and questions to RPRD IG rda-repoplatforms-ig@rda-groups.org

RPRD IG Session Agenda

- Welcome and Introduction: Robert R. Downs
- Islandora: Mark Leggott
- Fedora and Samvera: David Wilcox
- Dataverse: Mercè Crosas
- KIT DM: Thomas Jejkal
- Dash: Daniella Lowenberg
- Questions and Discussion Among Participants

Addressing Requirements and Gaps

- **Ingest**

- Automation and archival workflows, including pre-ingest services, format and integrity verification, and post-ingest routine integrity verification; capabilities for enhancing metadata and capturing provenance for both external and internal audiences; and ingest of large or complex data sets (with many files) and external administration (ingest, reports, etc.).

- **Operations**

- Simple customization of submission form metadata and user interfaces for access, visualization, and download; adding to previously-archived data and versioning capabilities; security for publicly accessible content and capabilities for restricting access to confidential data; regular enhancements of tested updates, turn-key capabilities (out-of-the-box), and reduced need for programming (technological learning); integration with organization's website, external tools, such as metadata catalogs, and other services; and opportunities for local support worldwide.

- **Sustainability**

- Provision of hosted services and redundant failover and backup capabilities; low costs and/or subscription fees; and an efficient path for transferring content to future systems (on same or competing platforms).