



IG Research Data Architectures in Research Institutions What is it?

Breakout 1, RDA Plenary, Berlin

Friday, 21 March, 2018

The Research Data Architectures in Research Institutions Interest Group is primarily concerned with technical architectures for managing research data within universities and other multi-disciplinary research institutions.

This IG seeks to understand the various architectures used by institutions globally, identify pain points within those architectures, and learn from those who have overcome or avoided those pain points.

Objectives

- Exploring how diverse tools, technologies, and services can be integrated to meet the evolving needs of researchers in research institutions.
- Considering interoperability between institutional research data infrastructures and international or discipline-based infrastructures
- Understanding the different institutional approaches to governance structures and business processes in responding to research ICT demands (e.g. capacity planning/forecasting for storage)
- Sharing case studies of solutions developed by data infrastructure projects in research institutions
- Presenting technical innovations and ideas that can further the development of integrated research data infrastructures
- Agreeing best practice relating to research data architectures in research institutions

Participation

- The target audience of this IG includes anyone involved in research data infrastructure planning projects or services as well as researchers with an interest in systems, technologies and data flows at the institutions level.
- This includes research data infrastructure project managers, ICT architects, senior managers with responsibility for research IT services, developers, data managers, data engineers, and data scientists.
- Also representatives of the service or technology vendors and data industry are welcome.

Outcomes

- Shared knowledge about research data tools, infrastructures and architectures
- Knowledge base for best practises and lessons learned log
- More specific outputs will be determined by the participants in this IG, but might conceivably include:
 - Shared repository of architectural diagrams
 - List of technologies used for specific purposes, and their interfaces
 - Landscape report and gap analysis

Overlapping?

- The IG differs from these RDA IG's or WG's in following areas:
 - The scope of the group is institutional-level solutions and architectures rather than for national or disciplinary-specific architectures, although it will be important to consider the relationships between these different levels
 - The Group will discuss technological solutions at research institutions at the enterprise architecture level, not focus on a single element in isolation

Join the group!

- WWW-pages of the group:
 - <https://rd-alliance.org/groups/research-data-architectures-research-institutions-ig>
- RDA Plenary session 23rd March, 11:00 -12:30 (Breakout 8), B04
 - <https://rd-alliance.org/ig-research-data-architectures-research-institutions-rda-11th-plenary-meeting>