Improve, Extend, and Update re3data

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Objectives

- Improve the (re-)use of re3data, its API and metadata.
- Extend re3data to be a reference for research data repositories by setting up a re3data PID.
- Extend the scope of re3data by addressing research funding bodies and publishers.
- Update the re3data service model and metadata schema to current needs.

Key Facts

- Starting date - 01/01/2020
- Duration - 36 months
- Funded by the German Research Foundation
Conceptual Service Model

re3data PID

Top-down
- Infrastructure
- Reference
- Retrieval
- Curation

Bottom-up
- Use Case Collection
- Structured Interviews

CONCEPTUAL SERVICE MODEL

GAP ANALYSIS
Metadata Schema Update

- Revision of the Metadata Schema and Update
  - Harmonization of “Provider type”
  - Revision of “Repository type”
  - Revision of “Institution type”
  - Additional information on “Costs”
  - Curation of the “Subject” classification
  - Enhanced description of “Certification” (CoreTrustSeal and FAIR Data Principles)
  - Reflect mergers and transitions of repositories
  - Revision of “Quality Assurance”

- Mapping to schema.org
Technical Infrastructure

- Extend the Data Model
- Connect Services and Improve API
- Semi-Automation of Quality Assurance
- Provide Management Tools
- Extend Querying, Reporting and Widgets
Quality & Transparency

- Study on Status Quo of Quality Assurance Measures and Standards
- Update of Metadata Schema to Provide Information on Research Data Repository Quality Assurance Standards and Measures
- Review of the re3data Editorial Process
- Build Model of Trust for Metadata Editing
- Implement the Usage of Authority Files (ORCID)
Community Building

- Outreach
  - Workshops
  - Webinars
- Networking
- Policy Development
  - Publishers
  - Research Funding Bodies