

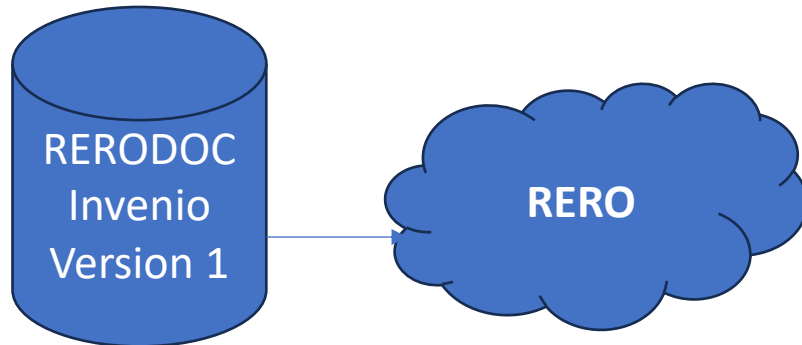
The University of Neuchâtel experience with DSpace

Aly Badr
Senior Information Architect

Presentation Plan:

1. Implementation Overview
2. Integration and Interoperability
3. Challenges and Lessons Learned
4. Future Roadmap

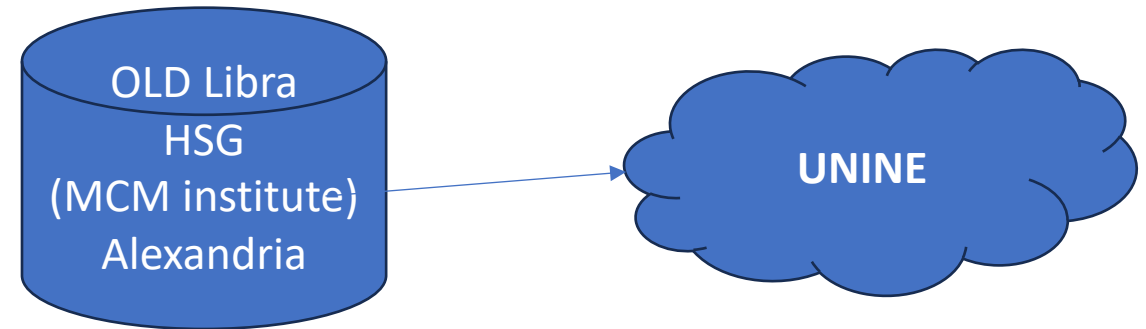
Implementation Overview



Abandoned by its developer in favor of the SONAR project

- 9477 publications (articles, theses, dissertations, books,..)
- 9500 files (pdf, txt, html)

Pre-DSpace Framework



Abandoned by its developer in 2014, security problems, not up to standards, lack of experience

- 6 faculties, 80 institutions
- 13637 authors and editors (persons)
- 837 projects
- 18862 publications (books, journal issues, articles, theses, ...)
- 4811 files (pdf, images)

Implementation Overview

Framework and Vendor Selection

- Open source, modern technology, support
 - Community (international, Swiss)
 - Adherence to standards and protocols:
(ORCID, DOI, OAIPMH, Dublin Core, Signposting, OPENAIRE, PlanS, FAIR)
 - Existing functionalities (and much more)
 - Independent installations (instances: production, test, development, copy)
 - Future integrations
 - New communities and collections
 - New resources and entities
- Eprints
 - Invenio
 - Sonar
 - Dspace 6 or 7
 - DSpace-CRIS 7.2 (version 2022.02.00)
 - 4Science

Implementation Overview

Collaboration between the IT Department and Libraries Department

Team with profiles precisely matching the project's needs

Agile methodology, Scrum

Forming Agile Team



Florian Tanner
Frontend



Abdallah Kanso
Infrastructure



Aly Badr
Backend and PM



Tony Cameroni
System Librarian



Abdelmalek Berkani
Head, IT departement



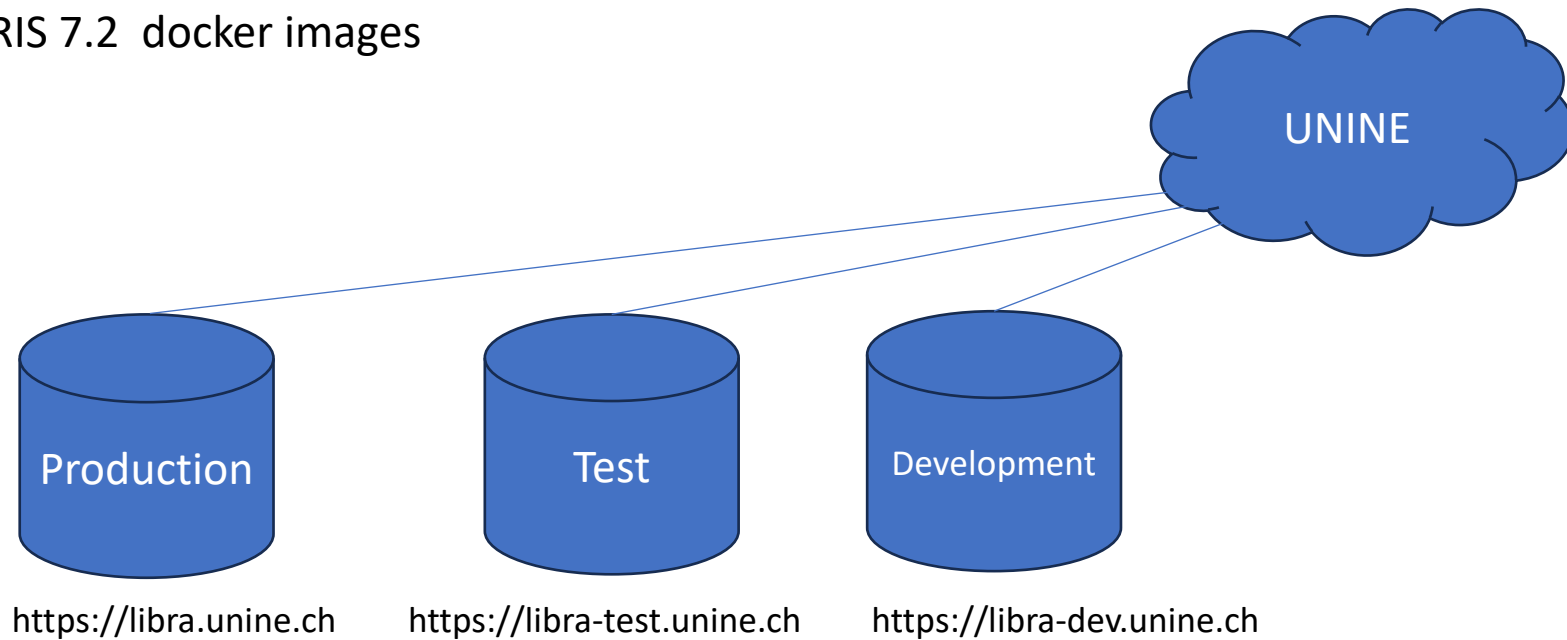
Laurent Gobat
Head, Libraries departement

Implementation Overview

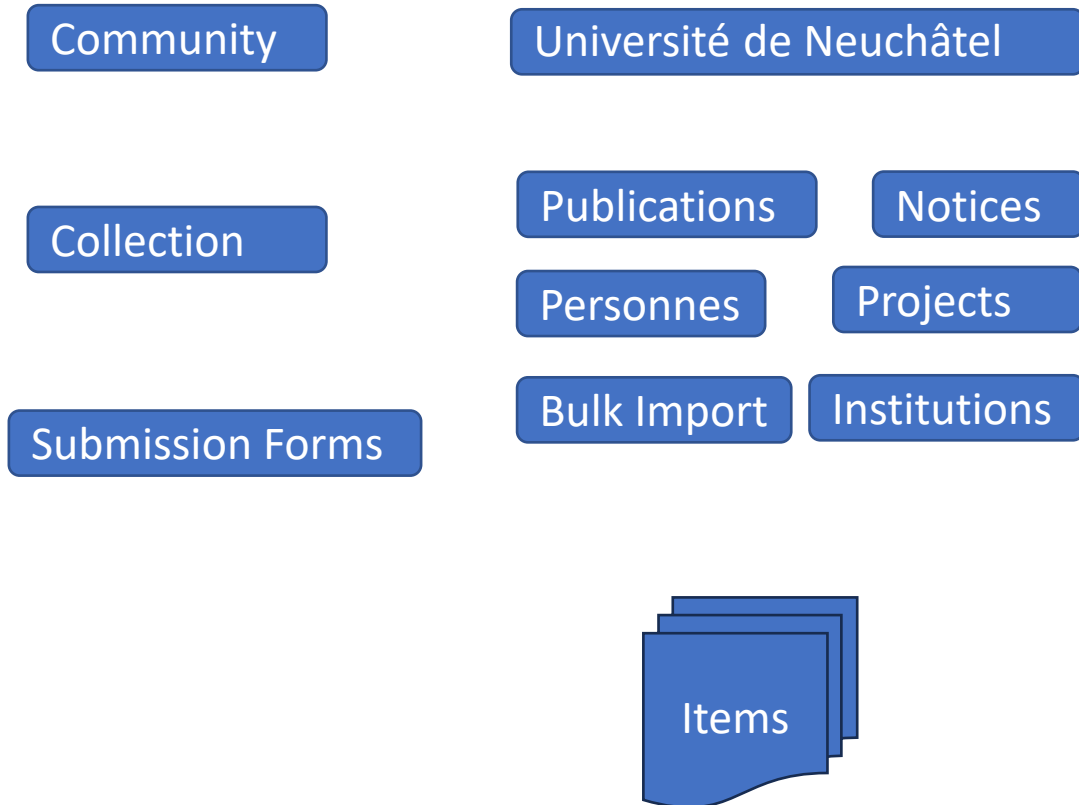


Dspace-CRIS 7.2 docker images

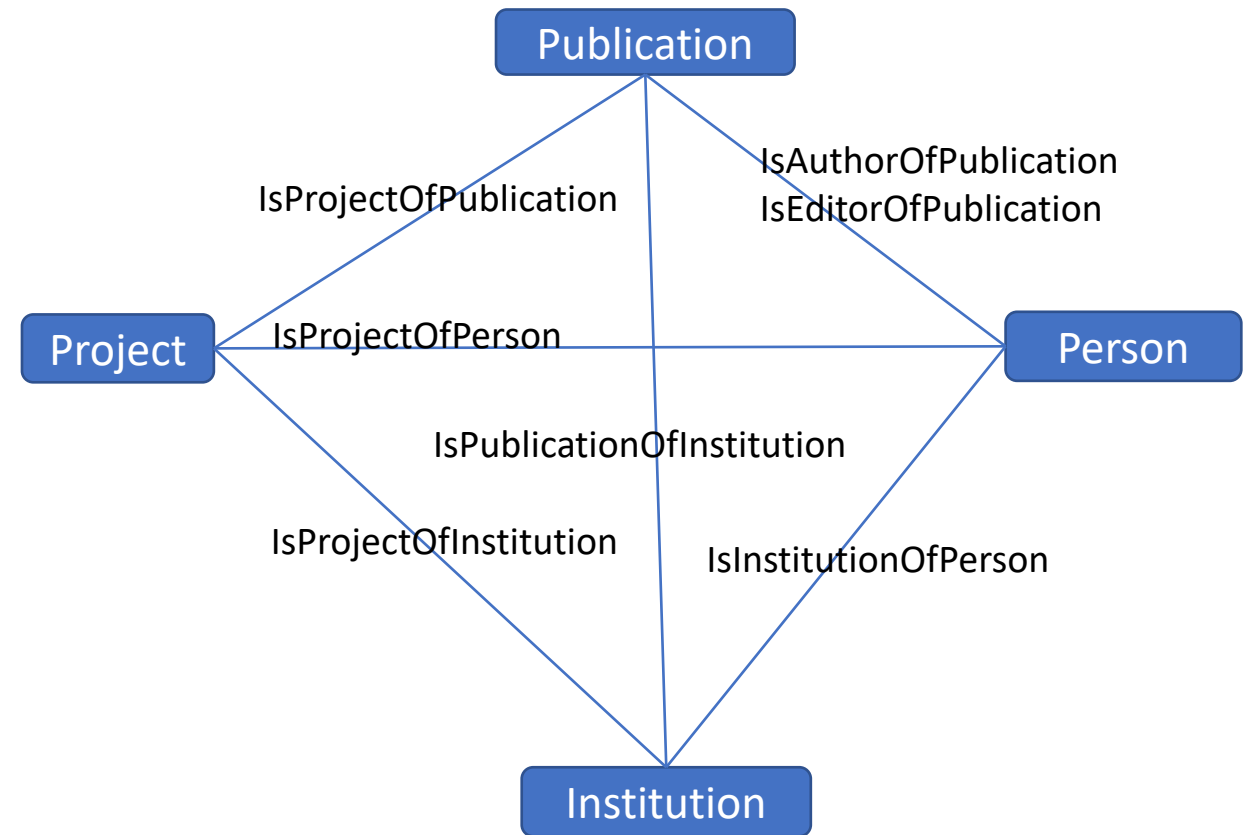
Infrastructure



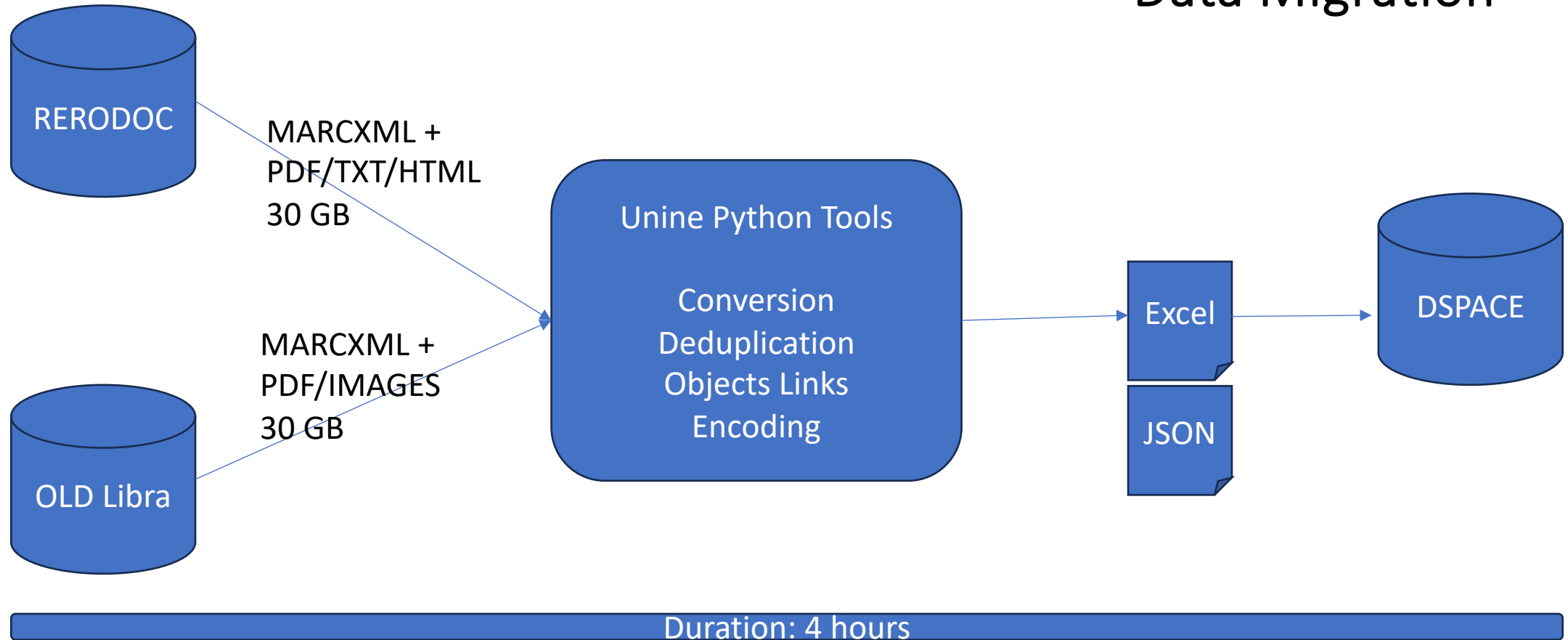
Implementation Overview



Data Model



Implementation Overview



Data Migration

Implementation Overview

The screenshot shows the Libra website interface. At the top left is the 'libra' logo with a star icon, followed by navigation links: 'Research Outputs', 'Projects', 'People', and 'Organizations'. On the top right, there is a search icon, a globe icon, and a 'Log In' link. The main content area features a large blue banner with the text 'Welcome to Libra' and a description: 'libra is the institutional repository for the University of Neuchâtel (Switzerland) researchers. It archives and promotes open access to their publications for wider dissemination and accessibility.' Below this is a search bar with the placeholder text 'Search the repository ...' and a 'Search' button. Underneath the search bar is a grid of four categories: 'Research outputs' (27611), 'Projects' (876), 'People' (1522), and 'Organizations' (78). Below the grid are three feature boxes: 1) 'iD' (ORCID) with the text 'Information on the researchers and presentation of their work, projects and paths directly related to ORCID'. 2) 'FAIR' (Findable, Accessible, Interoperable, Reusable) with the text 'Corresponds to the FAIR principles of research (findable, accessible, interoperable and reusable)'. 3) 'Import' with the text 'Allows the import of records from the main current research platforms' and a grid of logos including PubMed, arXiv, Crossref, Scopus, CINI, Zenodo, Open Access, vufind, and ORCID. At the bottom, there is a navigation bar with links: 'Portal overview', 'User guide', 'Open Access strategy', 'Open Access directive', 'Research at UniNE', 'Open Access', 'ORCID', and 'What's new'. The footer contains the 'unine' logo and contact information: 'Service information scientifique & bibliothèques, Rue Emile-Argand 11, 2000 Neuchâtel, contact.libra@unine.ch'. On the right side of the footer, it says 'Powered by DSpace, DSpace-CRIS & 4Science | v2022.02.00'.

Frontend

Integration and Interoperability



OAI-PMH

SLSP

Swiss Library
Service Platform

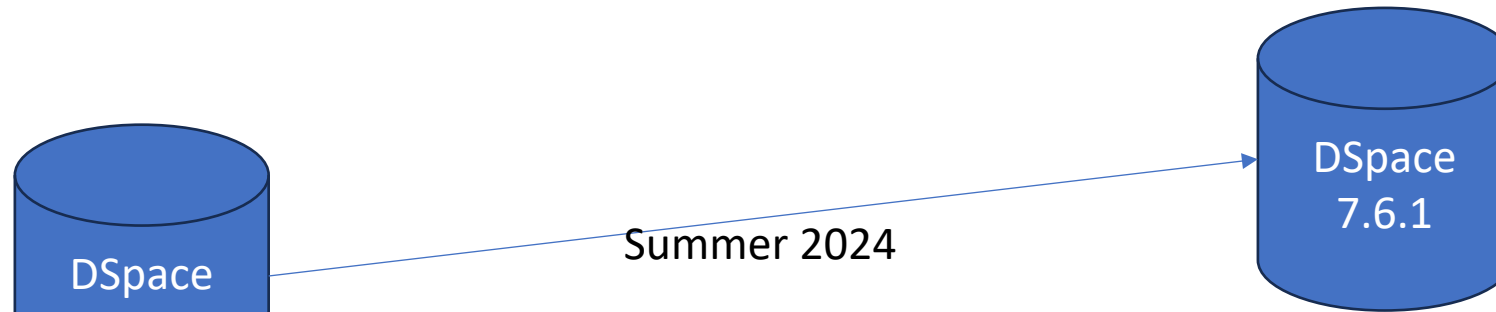


Challenges and Lessons Learned:

1. Agility – Scrum [Nov. 2022 – May 2023] [2 sprints]
 2. Increased visibility (Embargo requests)
 3. Feedback users
 4. Cost, \$\$\$\$
 5. Community, we're no longer alone
 6. Unine Team developed the DSpace experience:
 1. Installation
 2. Conversion tools, Bulk import
 3. Customization and configuration
 4. Workflow
- 4Science Support
 - Training
 - Support levels \$\$\$
 - Atmire
 - DSquare Tech
 - Performance
 - Docker
 - Version 7.6.1

Future Roadmap

1. Libra



- Performance issues
- Frontend
- Personalizing Persistent URLs
- Statistics
- Enhancements

Future Roadmap

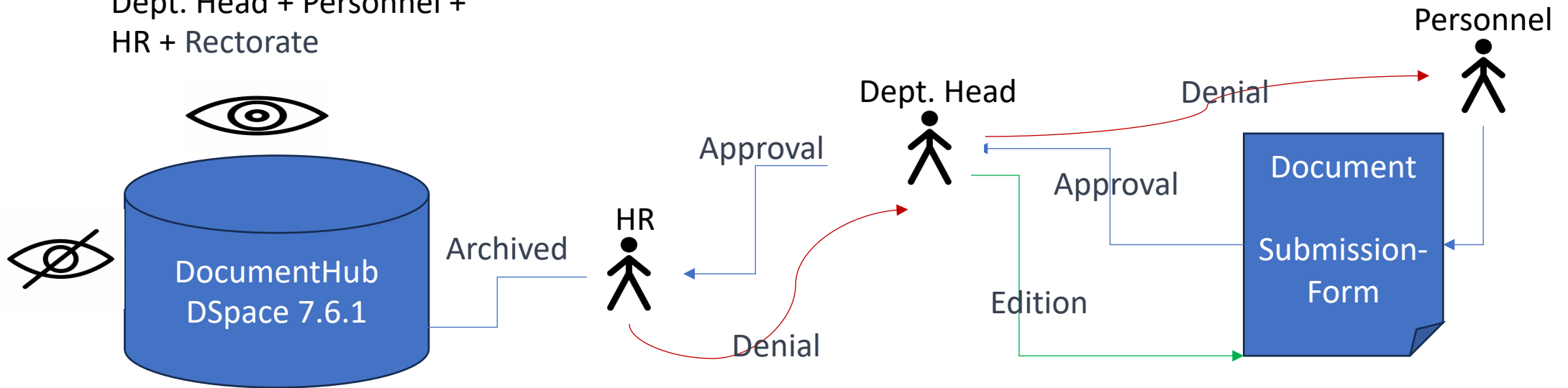
2. Central content repository and workflow

2.1 Use Case: Job Specifications (cahier de charges)



Dept. Head + Personnel +
HR + Rectorate

Others



Dspace Workflow

Future Roadmap

2. Central content repository and workflow



Badr, Aly

Preferred name Badr, Aly
Main Affiliation [Service informatique et télématique](#)



Filters

Author +

Organization +

Has files +

Type +

[Reset filters](#)

Now showing 1 - 3 of 3

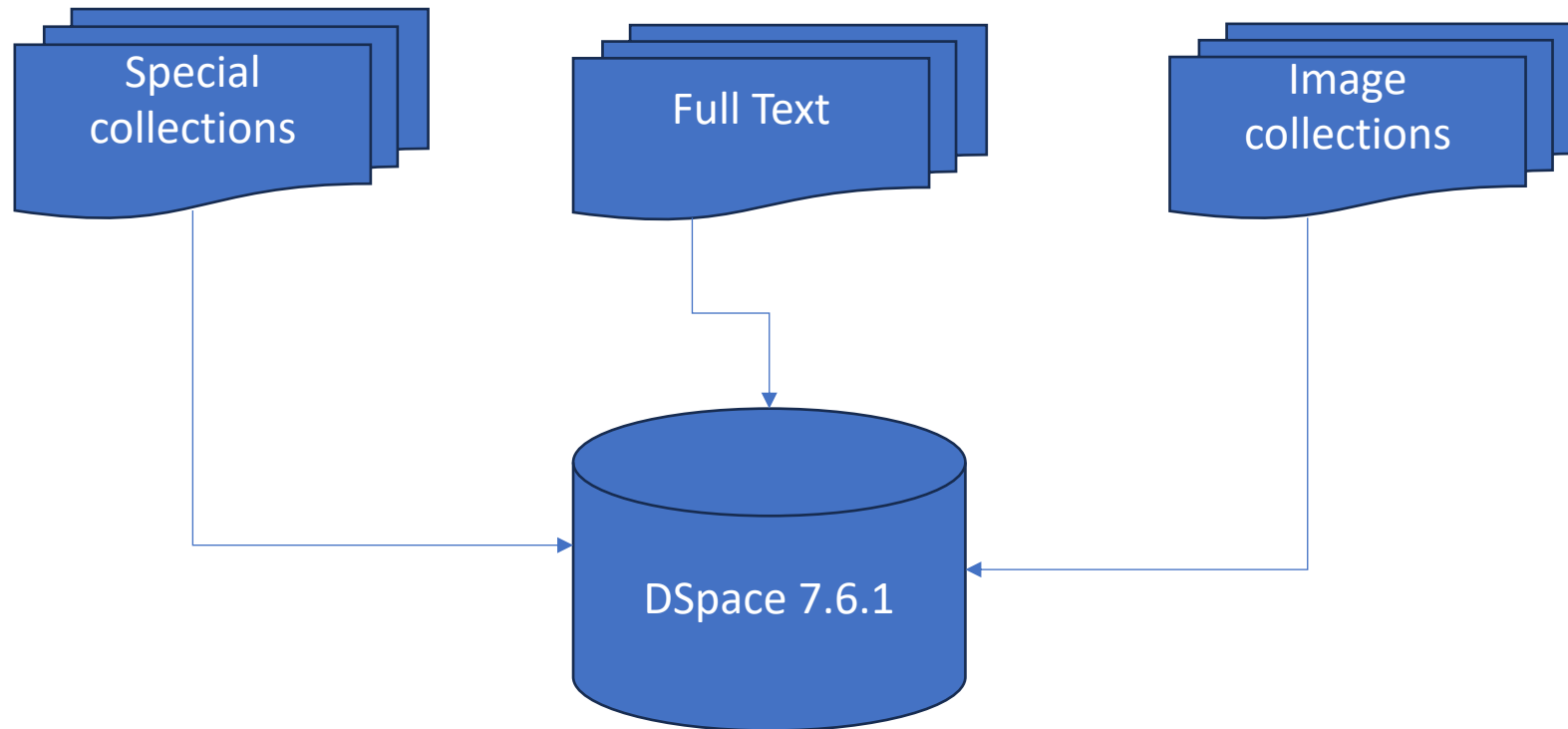
Publication **Metadata only**
Job Specifications: Senior Information Architect
Badr, Aly

Publication **Metadata only**
Information Security Governance and Data Protection Policy
Badr, Aly, Jeanneret, Loïc

Publication
Metadata only
Password Policy
Badr, Aly

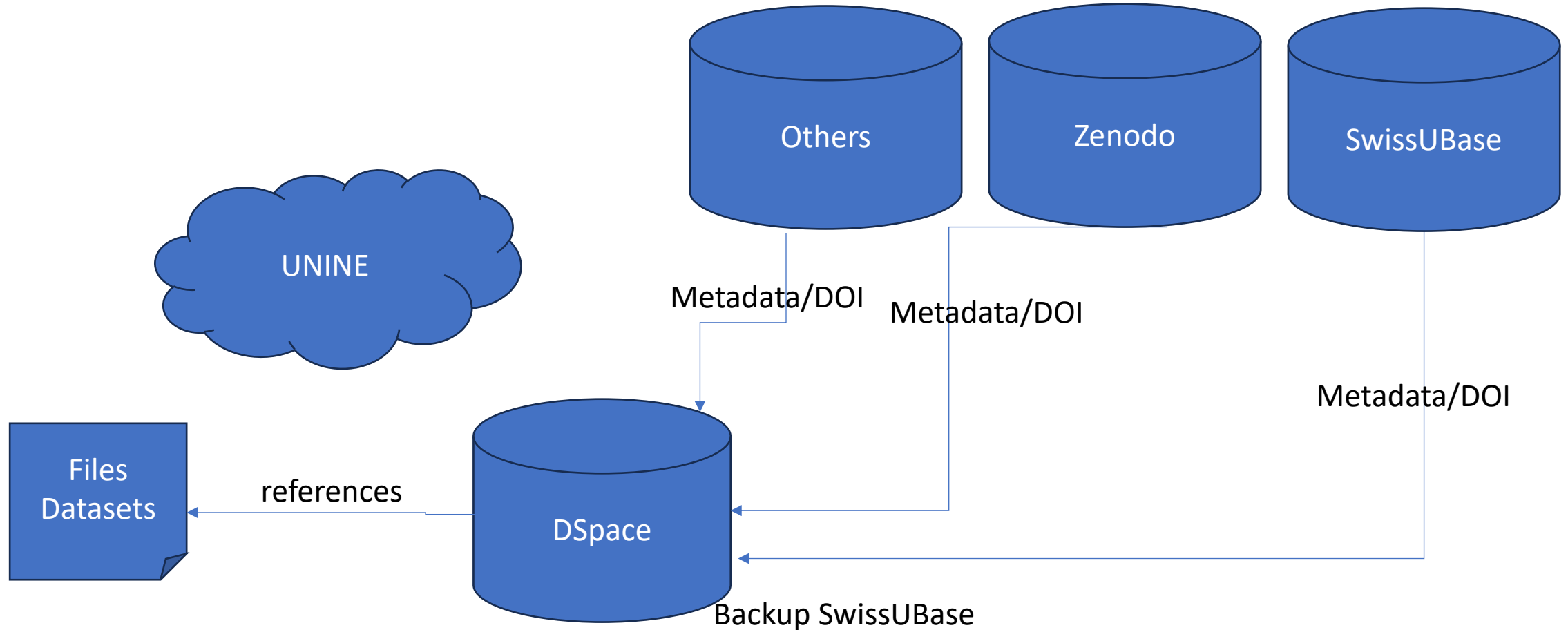
Future Roadmap

3. Centralized repository for digital collections



Future Roadmap

4. Open Research Data Centralized repository



THANK YOU