Advancing Research Data Management and Open Science in Austria

Research Data Management and Open Science Landscape in Austria

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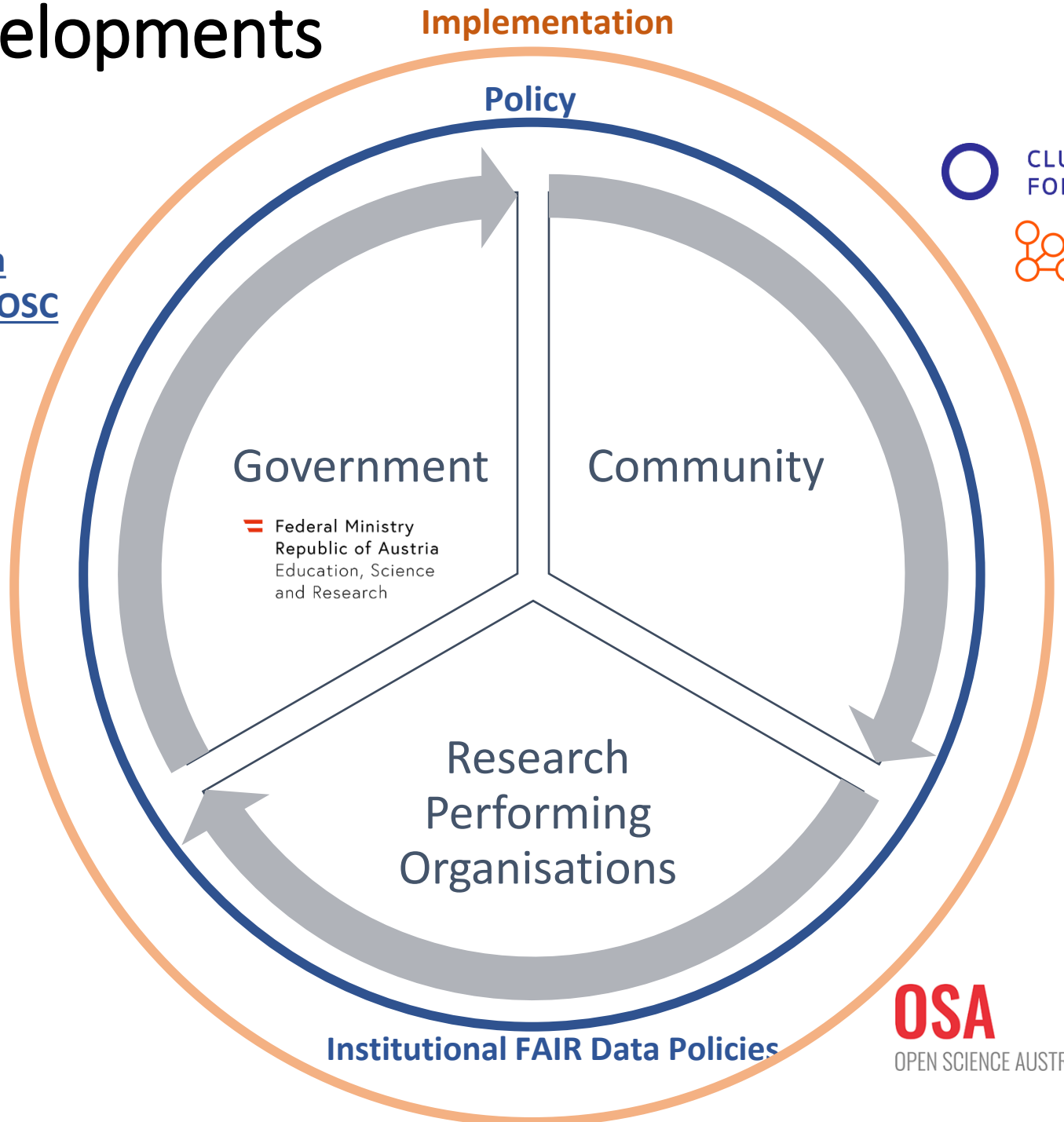
Opportunities and Challenges

- Collaborations and interdisciplinary research to address societal challenges
- Funding organizations: goals, strategies and measures
  - Research results are discoverable and accessible
  - Their exploitation potential is maximized

National Developments



[Austrian Policy on Open Science & EOSC]

[Open calls]

SHARED RDM

CLUSTER FORSCHUNGSDATEN

SHARED RDM

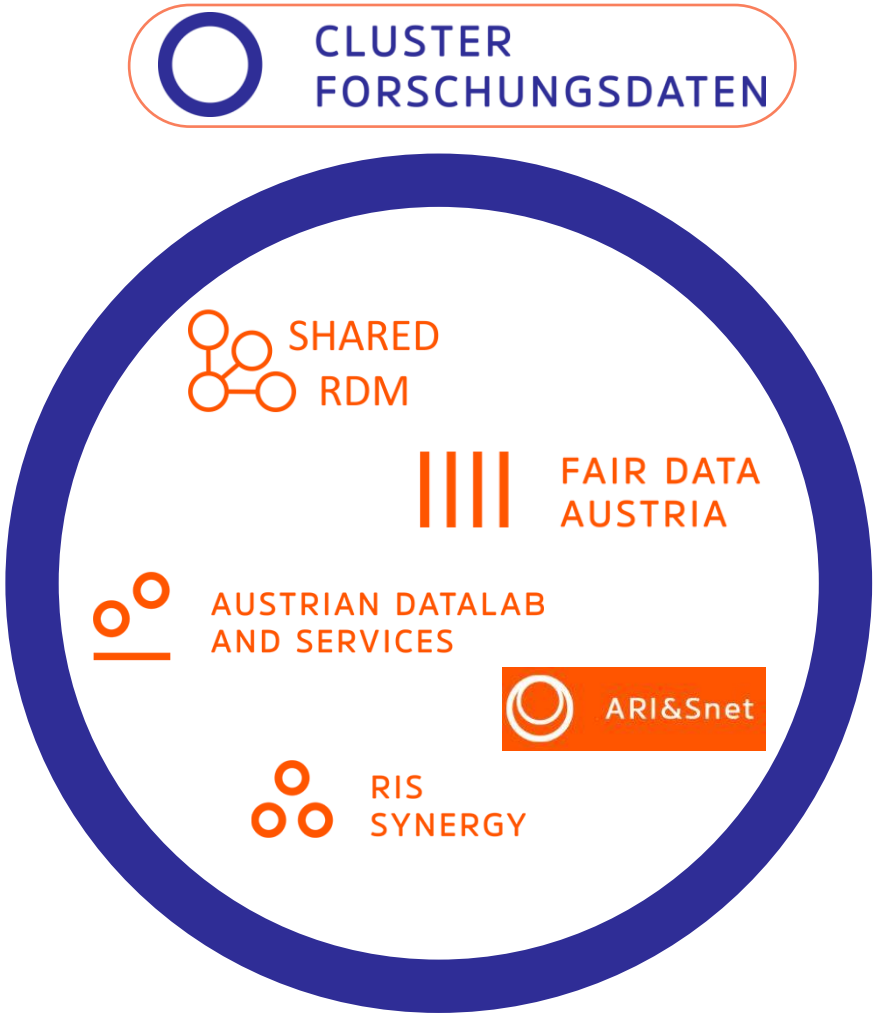
ARI&Snet

eosc.at support office austria

OSA OPEN SCIENCE AUSTRIA

Cluster Research Data

- Joint strategy: Ensuring continuous exchange and active cooperation
- Identification of synergies and potential for resource-optimized cooperation between Austrian research institutions



https://forschungsdaten.at/en/

FAIR DATA AUSTRIA

FAIR Data Austria

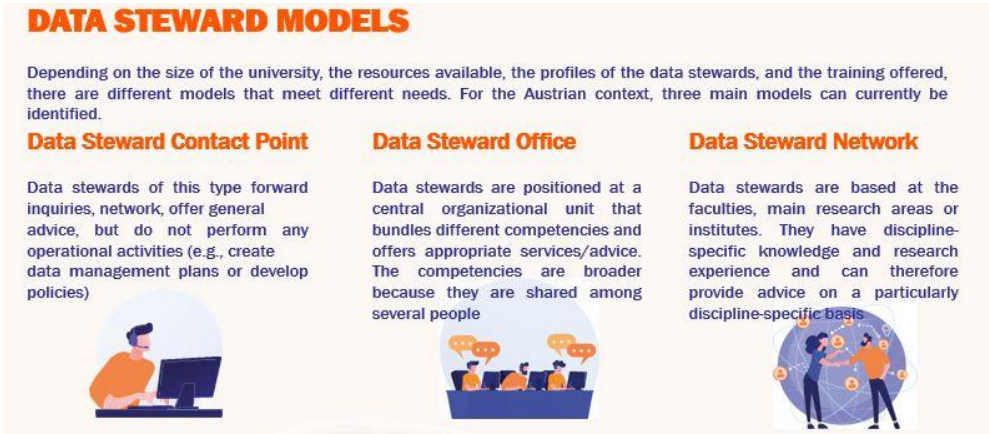
Federal Ministry
Republic of Austria
Education, Science
and Research

Lead TU Graz
Duration: January 2020 - December 2022
Partners:

TU Graz · TU WIEN TECHNISCHE UNIVERSITÄT WIEN · universität wien · universität innsbruck · Medizinische Universität Graz · A...kademie der bildenden Künste Wien Academy of Fine Arts Vienna

Main achievements:

- Development of a basic RDM infrastructure taking into account the FAIR principles
- Professionalization of Data Stewards in Austria and establishment of Data Steward Models



https://forschungsdaten.at/fair-data-austria-project-successfully-completes/

Hasani-Mavriqi, I., Reichmann, S., Gruber, A., Jean-Quartier, C., Schranzhofer, H., & Rey Mazón, M. (2022). Data Stewardship in the making (1.0). Graz University of Technology. https://doi.org/10.3217/p9fvw-rke48

Shared RDM Services and Infrastructure

Federal Ministry
Republic of Austria
Education, Science
and Research

Lead: TU Graz

Duration: July 2023 – June 2026

Partners:

TU Graz
TU WIEN TECHNISCHE UNIVERSITÄT WIEN
universität wien
Medizinische Universität Graz
universität innsbruck
A...kademie der bildenden Künste Wien
UNI GRAZ
WU WIRTSCHAFTS UNIVERSITÄT WIEN VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS
JKU JOHANNES KEPLER UNIVERSITÄT LINZ
vetmeduni vienna
MEDIZINISCHE UNIVERSITÄT INNSBRUCK
BOKU

Associated partners:

mdw universität für musik und darstellende kunst wien
CERN
eosc | FAIR-IMPACT Expanding FAIR solutions across EOSC
Skills 4 eosc

Shared RDM Services and Infrastructure

Project Mission

Create **framework conditions** to offer selected tools and infrastructures in the field of RDM as **shared services** for Austrian universities and research institutions

Shared RDM Services and Infrastructure

SHARED RDM

Project Goals (Technical)

Develop concepts for cross-university (operating) models for shared RDM services & infrastructures

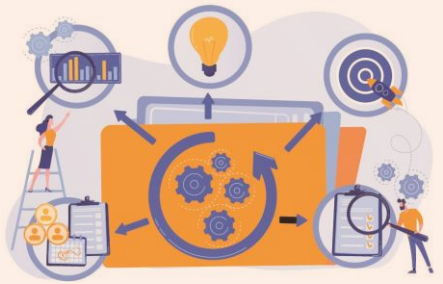
- maDMPs: DAMAP
- Analysis platforms: CyVerse Austria
- Electronic lab notebooks: eLabFTW
- Repository systems: InvenioRDM, Phaidra, DBRepo

Shared RDM Services and Infrastructure

SHARED RDM

Project Goals (Human)

- Inter-institutional RDM training, data stewardship skills transfer and exchange of experience
- Building networks & collaborations
- Strengthening RDM practices and support across institutions



Shared RDM Services and Infrastructure

Project Goals
Social (Alignment)

- Utilizing synergies with the ARI&Snet project and jointly developing use cases
- Networking with European and international initiatives (e.g. EOSC, RDA), projects and (research) infrastructures

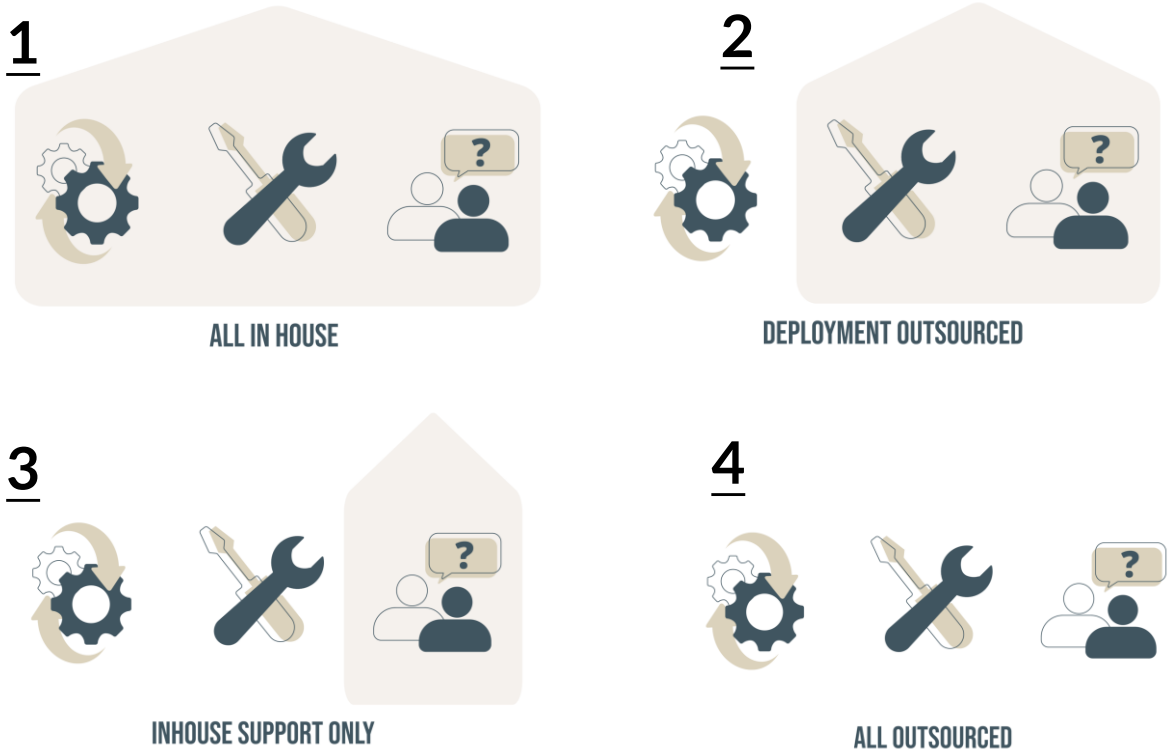
SHARED RDM

Approach

Define cross-university (operating) models considering the resource requirements in all affected departments and organizational and legal prerequisites

- Analyze the individual initial situation at the target institution (needs assessment)
- Define a preliminary model and its implementation, by evaluating and comparing available models against institutional needs
- Adjust processes and monitor progress

Identified (Operating) Models



1: All in-house
- Internal: Deployment & maintenance of the tool, support activities
- External: -

2: Mainly internal / Demployment outsourced*
- Internal: Maintenance of the tool, support activities
- External: Deployment of the tool

3: Mainly external / Support in-house*
- Internal: Support activities
- External: Deployment & maintenance of the tool

4: All external / outsourced
- Internal: -
- External: Deployment & maintenance of the tool, support activities

*M2 and M3: internal / external compontents may vary

Identified Use Cases

Vetmeduni Wien

eLabFTW/ CyVerse

Uni Innsbruck

eLabFTW/ CyVerse

MedUni Graz

DAMAP/ InvenioRDM

WU Wien

DAMAP

Uni Graz

DAMAP/ InvenioRDM

A…kbild

eLabFTW/ CyVerse

BOKU Wien

DAMAP/InvenioRDM

JKU Linz

eLabFTW/DAMAP

Phase 1: 10/2023 – 06/2024; **Phase 2:** 07/2024 – 06/2025; **Phase 3:** 06/2025 – 06/2026

SHARED RDM

Communities & Networks

Technical Communities

- Regular Core-Team meetings (further development)
- Knowledge transfer and support for national institutions
- Alignment - international

National RDM Exchange

- Exchange on RDM topics (Community Engagement, RDM Tool - Awareness and Support)
- Open to external persons (national & international)

Webinar series "Research data management in Austria“

- Recordings are made available on YouTube (https://www.youtube.com/@rdm-austria)

Success Factors and Challenges

Benefits for research through reduced complexity and increased accessibility of applications

SHARED RDM

Shared RDM Services and Infrastructure

CONTACT

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https://forschungsdaten.at/en/sharedrdm/