

Create Data Management Plans Online at the UR

Information event on the Research Data Management Organiser (RDMO)

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UR Data Hub



Universität Regensburg

UR Data Hub Workshop | 10.12.2024





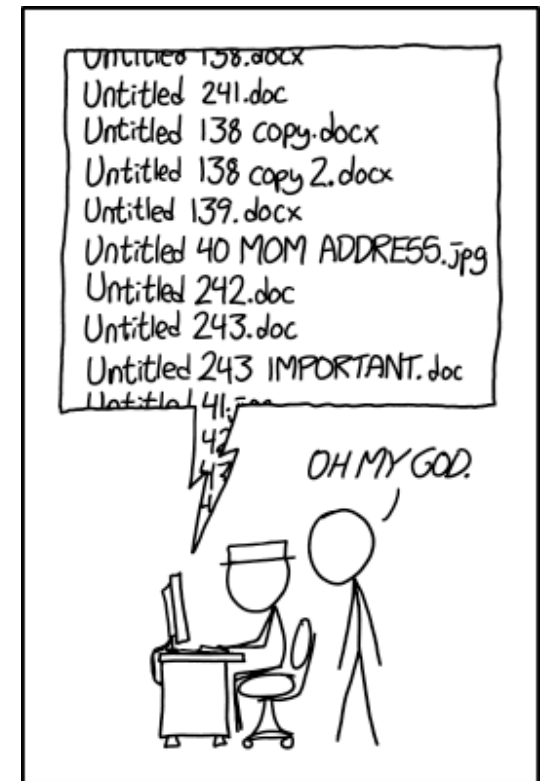
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HANDLING OF RESEARCH DATA

Comprehensibility and transparency

- Science thrives on trust
- Documentation of working steps as beginning of scientific added value
- Digitised documentation of content serves as basis for
 - automated workflows
 - collaborations



PROTIP: NEVER LOOK IN SOMEONE ELSE'S DOCUMENTS FOLDER.

F

Findable



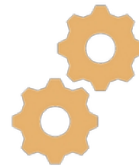
A

Accessible



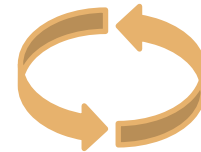
I

Interoperable



R

Reusable



DFG Guidelines on the Handling of Research Data

adopted on 30.09.2015

General guidelines for applicants:

1. Project planning and submission of proposals
→ Research data management
2. Accessibility
→ Publication
3. Long-term preservation
→ Archiving

Open Science / Open Data

Projekt Funders

Increasing demands on research data management

Publish data
„as open as possible, as closed as necessary“
(Horizon Europe [1])

„open science by design“
(VolkswagenStiftung [2])

Researchers

Need for support with realisation:

- how to share?
- where to store?
- who to contact?

Use / Develop existing infrastructure

Concerns about detecting possible mistakes, stealing ideas, etc.

[1] https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/aga_en.pdf

[2] <https://www.volkswagenstiftung.de/de/open-science>



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UR DATA HUB

Research Data Policy at the UR

These Guidelines...

- are aimed at researchers and academic support staff
- include information on a sustainable and responsible research data management
- provide best practices
- set the course for structural development at the UR

Timeline



07/2021
Regulations for Ensuring
Good Academic Practice

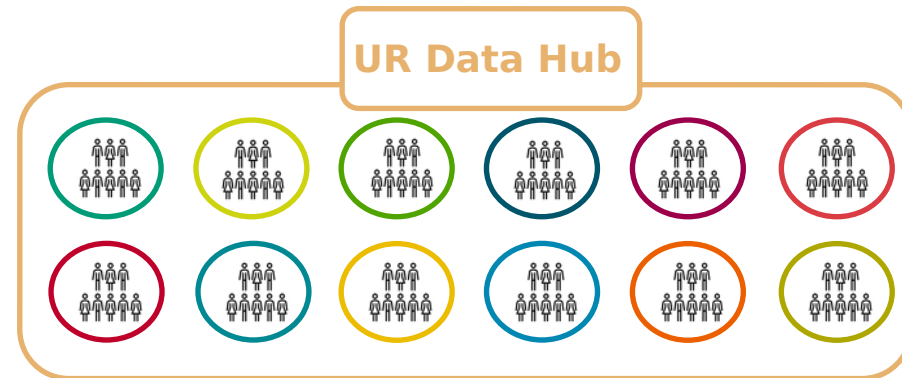
09/2022
Guidelines on Handling
Research Data

07/2023
Regulations concerning the
UR Data Hub

<https://go.ur.de/gwp-en>
<https://go.ur.de/datapolicy>
<https://go.ur.de/ordnung-datahub>

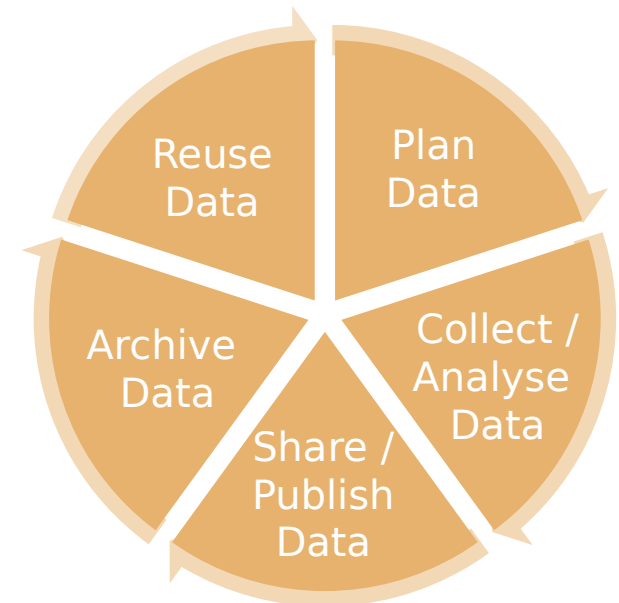
UR Data Hub

Central institution of the UR for coordinating the activities in the area of research data management



Tasks:

- Support researchers throughout the entire life cycle of research data
- Establish a competence centre and implement demand-oriented services in accordance with the FAIR principles
- Develop subject-related standards and guidelines together with the researchers



Research Data Life Cycle

UR Data Hub Services for Researchers

- Consultation on research data management requirements – before, during and after the project period
- Assistance for researchers in the preparation of data management plans
- Establishment of digital services (e.g. electronic lab notebook)
- Provision of information on storage and long-term preservation of research data
- Carrying out training courses



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DATA MANAGEMENT PLANS

Data Management Plan?

DFG-Checklist on Handling Research Data

1. Data description
2. Documentation and data quality
3. Storage and technical archiving the project
4. Legal obligations and conditions
5. Data exchange and long-term data accessibility
6. Responsibilities und resources

DFG-Checklist: <https://doi.org/10.5281/zenodo.10931449>

Project Description – Project Proposals

[First name last name, city of all applicants]

[Project title]

Project Description

Sections 1-3 must not exceed 17 pages in total

1 Starting Point

[Text]

2.4 Handling of research data

[Text]

2.5 Relevance of sex, gender and/or diversity

[Text]

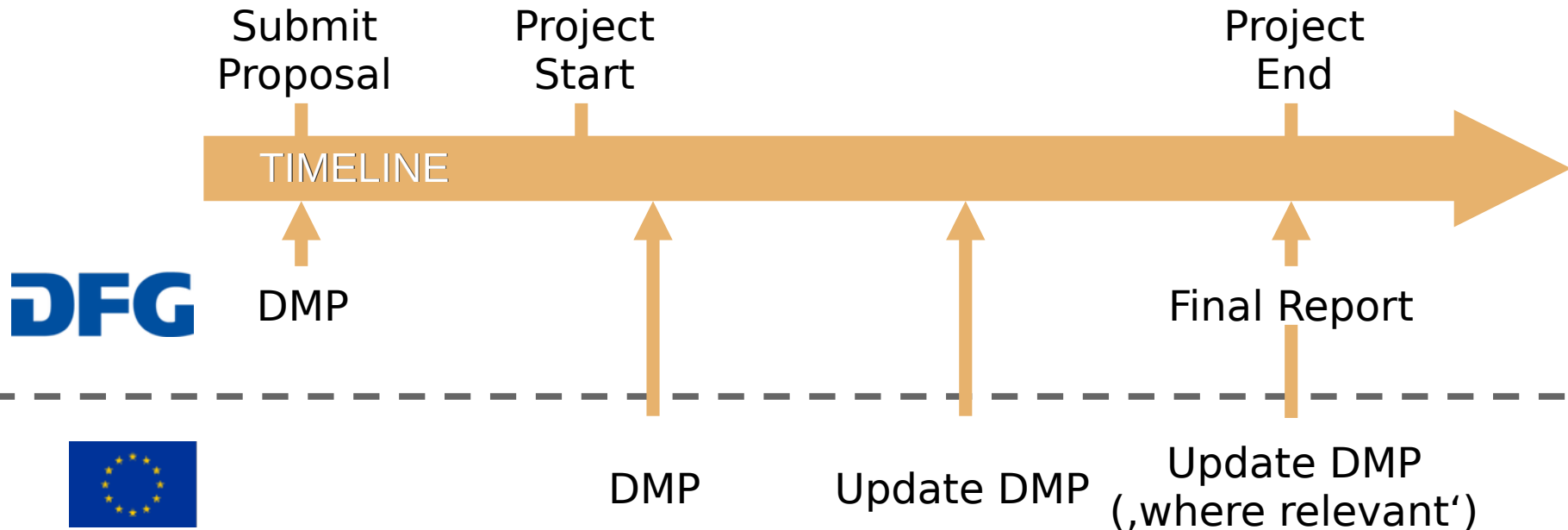
3 Project- and subject-related list of publications

Works cited from sections 1 and 2, both by the applicant(s) and by third parties. Please include DOI/URL if available.

Example: DFG Individual Research Grants

<https://www.dfg.de/resource/blob/168206/30c9e0b906b52a92edccb9e2163409bd/53-01-en-elan-data.rtf>

Different funders? Different requirements!





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RESEARCH DATA MANAGEMENT ORGANISER RDMO

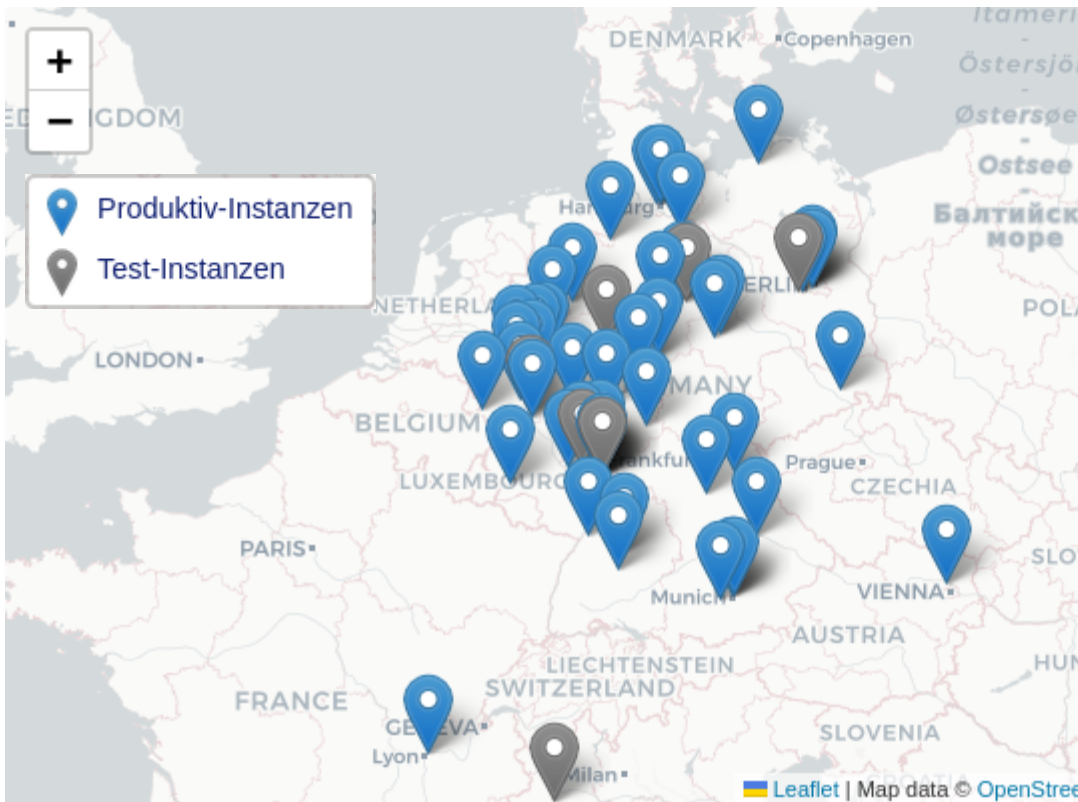
Research Data Management Organiser - RDMO

- RDMO supports research projects in planning, realisation management of all research data management tasks (e.g. DMP)
- Structured interview / interactive web application: RDMO guides user through individual catalogs including info texts, links and suggested answers.
- RDMO was funded by the DFG between 2015-2020 (Applicants: AIP, FH Potsdam, KIT). This was followed by the establishment of a working group (AG RDMO) with a decentralised structure and the involvement of the RDMO community. Currently, the RDMO association is founded.

Software RDMO

- Open Source
- Own institution instance: data is stored locally
- Python und Django framework
- Plugins, e.g. transfer metadata to zenodo, publish DMP
“preregistration“ (soon to come)

RDMO Network



- Used at universities, for collaborative projects, etc.
- Basic service of NFDI since June 2024: DMP4NFDI



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RDMO AT THE UR

RDMO Login

<https://rdmo.ur.de>



Welcome to the RDMO instance of the Universität Regensburg

The aim of the RDMO project is to deliver a web application to assist structured planning, implementation and administration of the data in a scientific project. Additionally, the gathered information can be cast into textual forms suitable for funding agencies requirements or for reports.

Login (RZ-Account)

Username

Password

Login

Project overview

- View title and selected catalog
- Search for projects
- Import projects
- Create new projects

RDMO@UR Language ▾ John Smith ▾

My projects

 Import project  New project

2 of 2 projects are displayed

✕ Search

Show filters

Name ↕	Progress ↕	Role ↕	Last changed ↕	
Archive Request: Dataset Outlier Analysis Pre-Ingest Checklist	19 of 19	Owner	Dec 2, 2024, 4:31 PM	 
DFG Projekt "Forschungsdaten" DFG Proposal UR	3 of 29	Owner	Nov 12, 2024, 8:28 AM	 

Create your own project

- Currently 2 catalogs available (more to come!)
- Simple hierarchical project structure
- German and english version

RDMO@UR Language

Create new project

Title
The title for this project.

Description
A description for this project (optional).

Catalog
The catalog which will be used for this project.

Pre-Ingest Checkliste
Catalog for data transfer for long-term preservation

DFG Proposal | UR
Catalog according to the DFG checklist (December 21, 2021) adapted to the UR infrastructure

Options for created projects

- Answer questions
- View answers (2 ways):
 - “Simple” output
 - Catalog-specific template including text modules in **Views**
- Share documents with your team (set different access rights to colleagues) in **Members**
- Create **Snapshots** (versions)
- Export functions

RDMO@UR Language

DFG Projekt "Forschungsdaten"

Description	No description available.	
Catalog	DFG Proposal UR	
	Catalog according to the DFG checklist (December 21, 2021) adapted to the UR infrastructure	

Views

Views are created using the answers given in the project and can then be exported in various formats. Initially, all views are empty. Please answer some questions by visiting **Answer Questions** (at the top of the sidebar).

View	Description	
DFG proposal UR	DFG Template including text modules on basic UR infrastructure	

Members

Here you can see who can access the project and invite additional members. You can use the user roles to manage which rights the benefits have. Unless you are the last owner, you can leave the project with the button next to your name.

User	E-Mail	Role	
John Smith		Owner	

Snapshots

Snapshots allow you to save all responses at a given point in time and preserve a certain stage of the project. Later the snapshot can

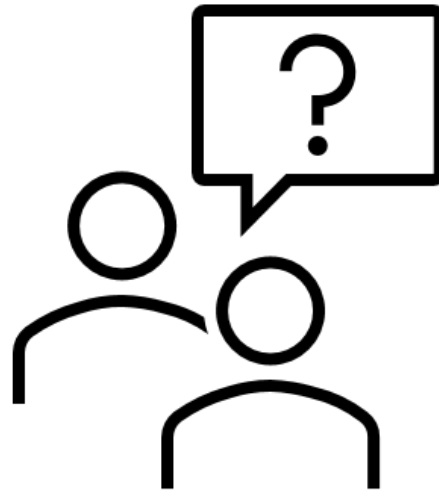
Options

- Answer questions
- View answers
 - Update project information
 - Update project catalog
 - Update parent project
 - Update project views
 - Delete project
- Add member
- Create snapshot
- Back to projects overview

Export

- CSV
- JSON

Questions?



RDMO at the UR
<https://rdmo.ur.de>

UR Data Hub
<https://datahub.ur.de>

Contact
datahub@ur.de



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LIVE DEMO