RDMO: A tool to create data management plans (DMP)

Research Data Management Day at JGU – October 26th 2021

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WHAT IS MEANT BY RESEARCH DATA?

Difficult to define as every discipline has its own definition!

In general: "Data that arise during scientific activity (e.g. through measurements, surveys, source work), or on the basis of which scientific work can be done (e.g. digital copies) or that documents the result of scientific work are called research data..."

THE RESEARCH DATA LIFE CYCLE

... describes all steps of research data management

http://data-archive.ac.uk/create-manage/life-cycle
http://www.open.ac.uk/blogs/the_orb/?p=52
WHY RDM IS IMPORTANT FOR YOU?

- Prevention of data loss
- Verifiability and transparency of research results
- Reproducibility of research results
- Reduction of scientific errors
- Avoidance of redundancies
- Faster retrieval of data and information
- Long-term availability of research data
- Data re-use in new research projects
ADDITONAL REASONS FOR RDM

Requirements of third party funders and science organisations:

DFG: Good Scientific Practice

Alliance of German Science Organisations: Principles for the Handling of Research Data

Horizon Europe: Open Science in Horizon Europe

BMBF: Aktionsplan Forschungsdaten – BMBF
WHAT IS A DATA MANAGEMENT PLAN (DMP)?

• Describes RDM in a research project
• Formal but dynamic document
  → Make adaptations in the course of the project!
• Divided into different sections e.g.:
  → Administrative information, project description, type of data, data selection and storage, preservation of data, metadata, legal and ethical aspects, data sharing, ....
FOR WHICH PURPOSES DO I NEED A DMP?

• Deliverable in some funded projects (e.g. EU-Projects, BMBF, ...)
  → in DFG proposals: part on data handling

• Desired according to JGU RDM guideline

• Other, e.g.:
  → Self organization
  → To make your data management transparent to others (e.g. PhD supervisor, collaboration partners etc.)
WHAT USE HAS A DMP TO ME?

• Saves time in the long run!
• Avoidance of data handling problems by explicit RDM-planning
• Improved data retrieval in the long run (Important in the final phase of your PhD and for other publications!)
• Facilitates long term preservation of your data
DMP STRUCTURE (BASED ON DMP CHECKLIST)

• Administrative information
• Documentation and metadata
• Ethical and legal issues
• Storage and back-up
• Data selection and preservation
• Data sharing/publication
• Responsibilities and resources
Welcome to RDMO

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.

This is a prototype of the software, for demonstrator purposes.

For more information about the project visit rdmorganiser.github.io.

https://rdmo.zdv.uni-mainz.de/
Choose your organisation
HOW TO CREATE A PROJECT?

- Choose „Create new Project“
- Title and describe your project
- Choose a catalog and create the project
Write your DMP by answering questions

View your answers in different DMP formats

Possibility to share your DMP with colleagues

Export options

Possibility to save intermediate versions → several export options (PDF, Microsoft Office, Open Office, LaTex etc.)
Answer questions

Completion status

Navigate through different parts of your DMP
Fragebogen

Storage and Backup / How will the data be stored and backed up during the research?


Where is the dataset stored during the project?

How and how often will backups of the data be created?

Who is responsible for the backups?

Bitte nutzen Sie für die Einträge jeweils eine eigene Zeile. Sie können weitere Einträge mit dem grünen Button hinzufügen und mit dem blauen Kreuz (×) entfernen.

Possibility to share your DMP with colleagues
Invite member to project

You can invite a new member to this project and assign one of the following roles: **Guest** (who can only read), **Author** (who can answer questions), **Manager** (who can additionally create snapshots, export the project, import values, and update the project settings) or **Owner** (like you).

Users can be invited by their username (if they already have an account here), or by their email address.

Users will receive an email with a link to join the project with the assigned role.

**User**

The username or email of the new user.

Username or email

**Role**

- Owner
- Manager
- Author
- Guest

As site manager or admin, you can directly add users without notifying them via email, when you check the following checkbox.

- Add member silently

Invite member  Cancel
QUESTIONS?

For questions about RDM and DMPs following this event, please contact:

forschungsdaten@uni-mainz.de

https://www.forschungsdaten.uni-mainz.de/

https://researchdata.uni-mainz.de/