Research Data Management for the MWS

Thinking and Implementing Research Data Management (RDM) Foundation-wide

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What are Research Data?

- No standard definition available!

- DFG 2015 (Guidelines on the Handling of Research Data):
  "Research data might include measurement data, laboratory values, audiovisual information, texts, survey data, objects from collections, or samples that were created, developed or evaluated during scientific work."

- Depending on the scientific field, research data can be very diverse and might include primary and derived data as well as digital or analogue data.
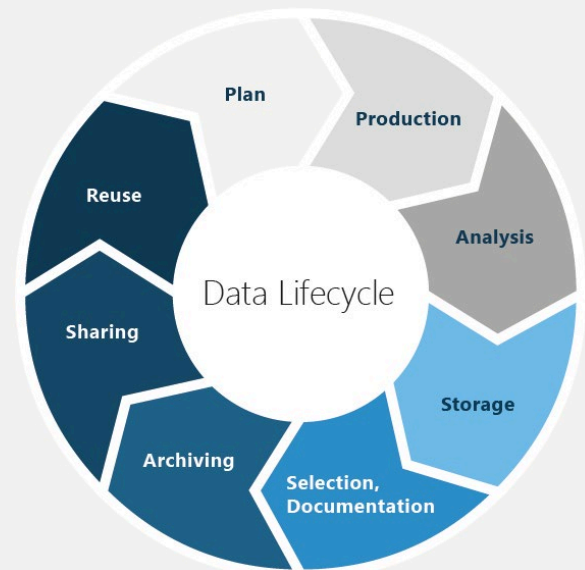
What does Research Data Management (RDM) mean?

- **RDM** is the **systematic handling of research data** throughout the entire **data life cycle**.

- It ranges from collection to analysis and further processing of data to publication and archiving.

  (Vgl. Landesinitiative NFDI der Digitalen Hochschule NRW, AG FDM Awareness 2019. DOI: https://doi.org/10.5281/zenodo.3884745)

Motivation – Advantages of RDM

- **FAIR data:**

    - Reduces the risk of data loss

    - Makes data available and reusable

    - Prevents data redundancy

    - Promotes the implementation of ethical standards and principles of Good Scientific Practice
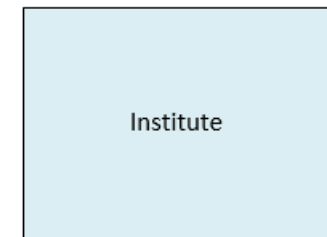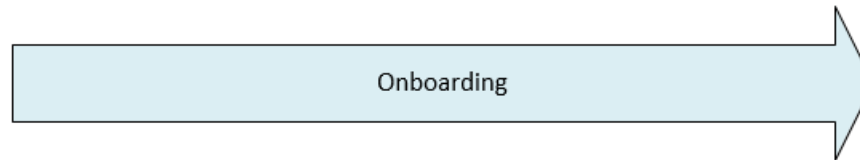
    - Creates legal certainty

(Vgl. Landesinitiative NFDI der Digitalen Hochschule NRW, AG FDM Awareness 2019. DOI: https://doi.org/10.5281/zenodo.3884745)

New Researcher

Onboarding

Institute

- Taking note of
  - Research Data Guideline of the MWS via ILIAS
    (mandatory)
  - Fact sheet „Research Data Management within
    MWS"
  - Web site with informations concearning the RDM
    within MWS including contact persons
- IAM account (SSO) for using MWS services

Research Data Guideline

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- Development of a Research Data Guideline

- Topics that will be covered:

  - Handling of research data (e. g. use of free standard formats, open license, requirements for place of publication)

  - Legal issues

  - Responsibilities

    Researchers – Institutes – Central Office

  - Glossary

Leitlinie für den Umgang mit Forschungsdaten innerhalb der Max Weber Stiftung
Entwurf V. 0.9

Forschungsdaten in der Max Weber Stiftung
Die Max Weber Stiftung – Deutsche Geisteswissenschaftliche Institute im Ausland (MWS) zählt zu den maßgeblichen Trägern deutscher geisteswissenschaftlicher Forschung im Ausland. Sie unterhält weltweit elf wissenschaftlich autonome Institute, die eine Brückenfunktion zwischen den Gastländern und Deutschland einnehmen und eine wichtige Rolle in der internationalen Wissenschaftslandschaft spielen. Die Institute zeichnen sich aus durch eine Diversität

Institute

Researcher → applies funds for → New Research project → enregisters in → RDMO
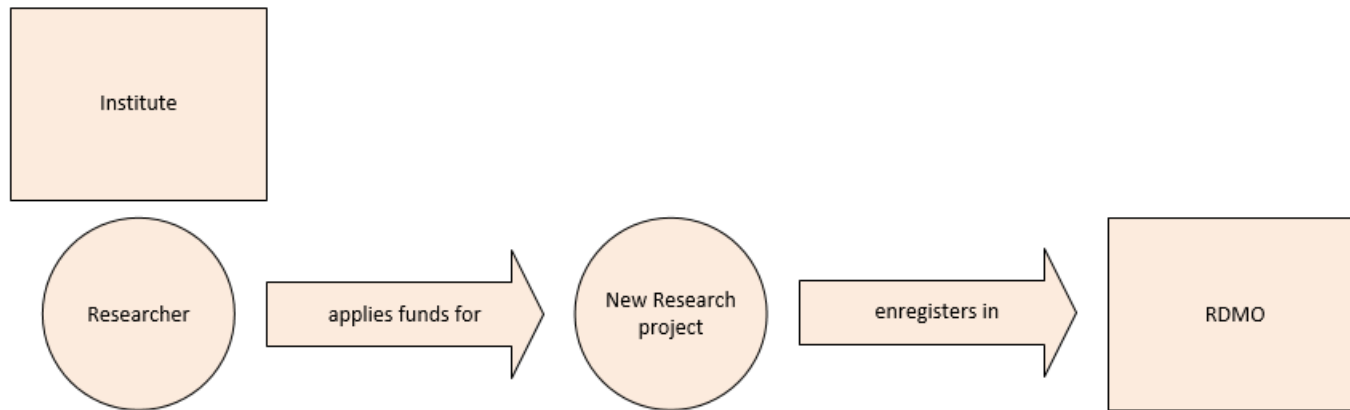
- Fill in the RDMO questionnaire „MWS Projects – First Registration" (mandatory)
- Simultaneously, the MWS project database (monitoring report for BMBF – mandatory) and the MWS „Themenportal" (awareness-raising, visability) will be updated
- For various funding agencies, corresponding DMP templates are available
- Subject-specific advice and support by GSt and, respectively, local data stewards

What is a DMP?

- **A Data Management Plan (DMP)** structures the way researchers deal with their data during the course of a research project.

- It can serve as a checklist, as well as a basis for ongoing documentation.

- Writing these issues down helps to identify weaknesses and to recognize and solve problems early on.

- It defines clear responsibilities.

- It should be agreed upon with everyone involved in the project and continuously updated.

- More and more research funding bodies require a DMP to be submitted as part of the proposal.

What is RDMO?

- **RDMO (Research Data Management Organizer) is**

– a web-based tool to structure your data management and create DMPs online.

– It is sustained by a community-based RDMO consortium.

– The MWS has signed a memorandum of understanding

  as a supporting institute.

– We participate at regular

  user meetings.

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RDMO – Features
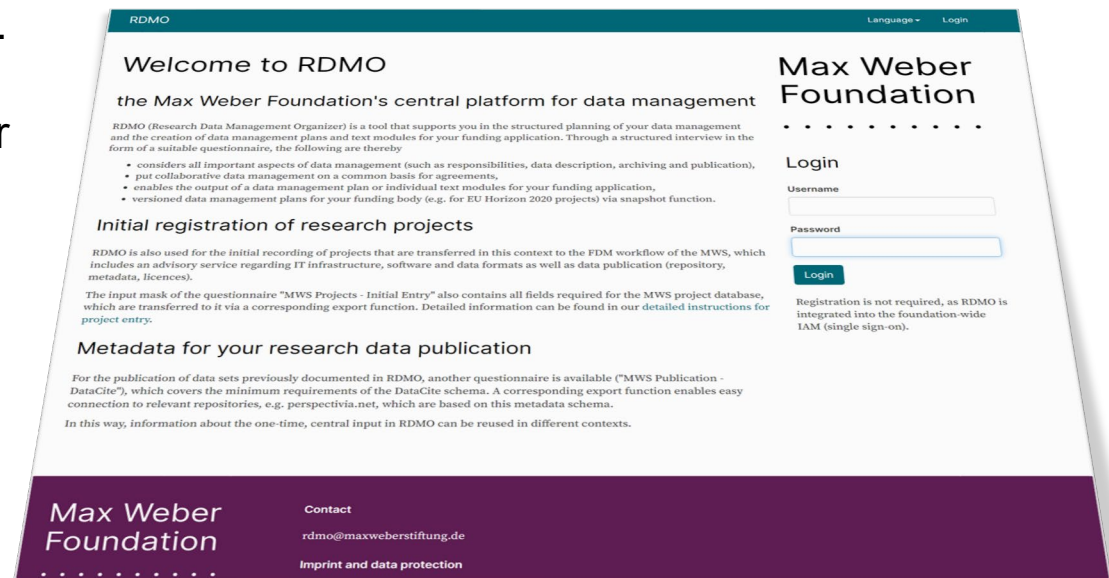
- **General Features:**

  – The main questionnaire *"MWS Projects – First Registration"* guides through all relevant RDM topics throughout the whole data lifecycle.

  – A role-based access system permits different authorizations to be granted to project members.

  – An export option allows for further processing in different text formats.

  – Support of DataCite Metadata Schema for publication
    → Questionnaire *"MWS Publication – DataCite"*
    → Transfer of Metadata into perspectivia.net

→ **Short Life Demo**

RDMO – Life Demo

Max Weber Stiftung

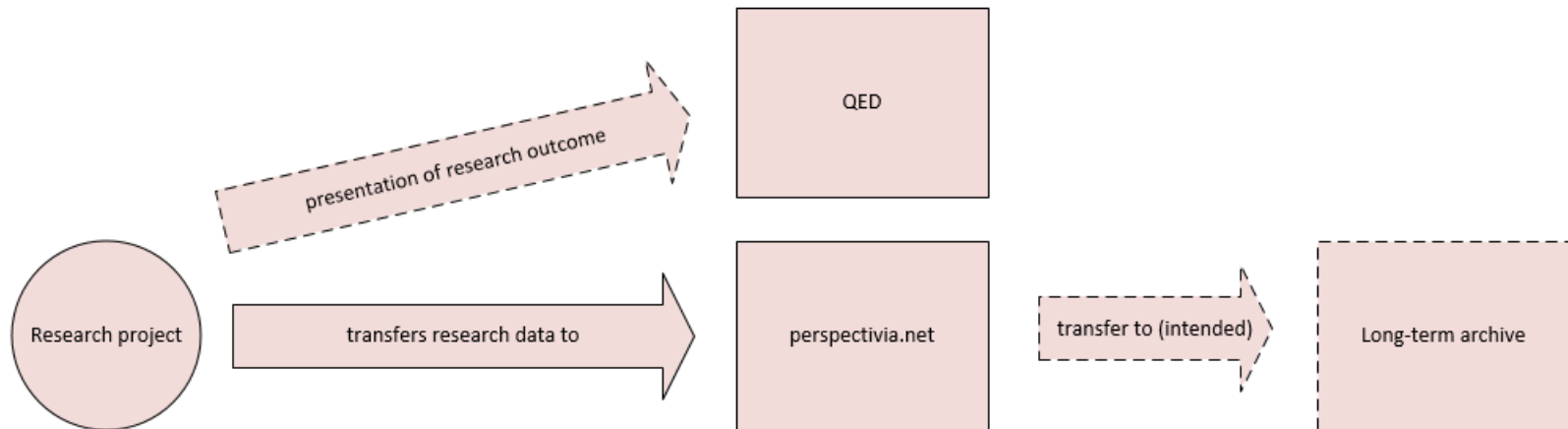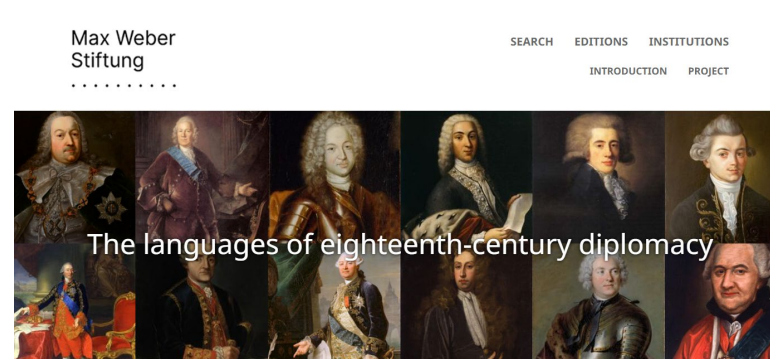|	
Research project	Run-time of the project
Institute	- Provision of the necessary IT infrastructure by local IT - First Level Support in terms of RDM questions by local data steward
GSt	- Second Level Support in terms of consultancy with larger RDM issues
MWS	- If necessary, several stakeholders can be involved, e.g. MWS Ethics Committee, Ombudsman for "Safeguarding Good Scientific Practice" or IT-Security Coordinator & Data Protection Officer
External partners	- If needed, external expertise will be included, e.g. for legal aspects

- QED is a dedicated platform for the presentation of source and edition projects.
- For the publication of research data perspectivia.net will be available (in the making)
- A workflow towards a LTA is intended

QED

- Platform for publication of source and edition projects

- Subpages for projects, portal search across all projects

- Presentation is based on a modular principle, generic, but depending on financial resources also individually adaptable

- Stable system, standardized data format TEI-XML (DTABf)

- The use of common standards enables integration into search infrastructures and thus increases the visibility of the data
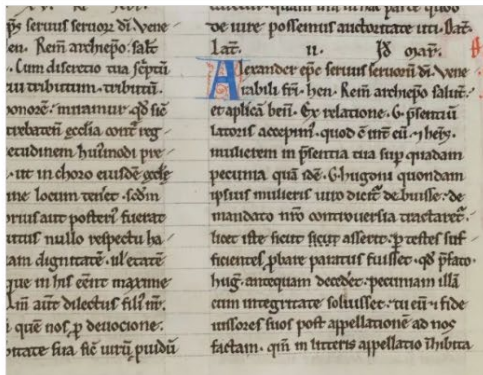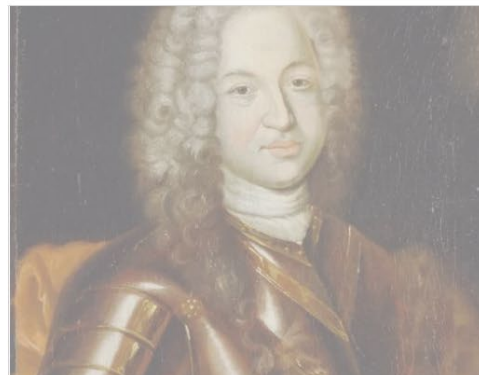
→ **Short Life Demo**

The languages of eighteenth-century diplomacy

perspectivia.net

QED – Life Demo

Discussion

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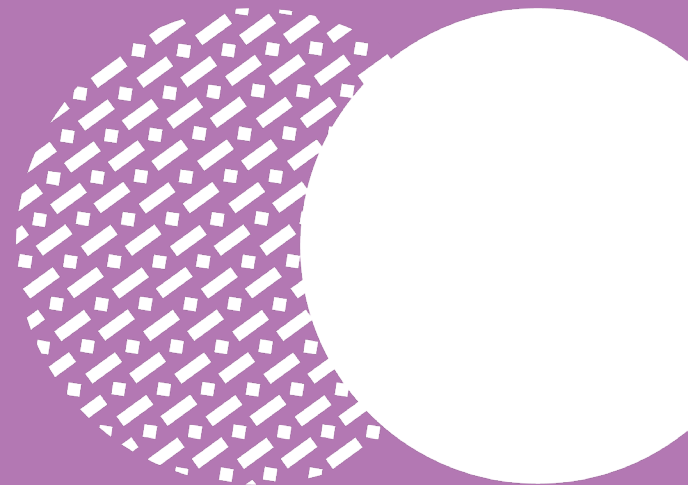
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