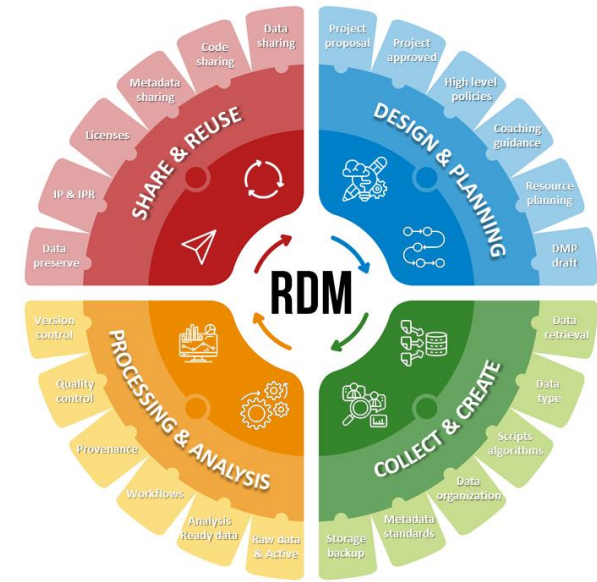


Module 4 – Data Management Plan

- DMP Rationale
- DMP Examples
- DMP Templates
- DMP Web-Tools
- DMP & SWOT analysis
- DMP/RMD Guidance



<https://doi.org/10.5281/zenodo.6602006>

RDM support community is growing

Service Center Research Data
is currently open to all DRESDEN-concept
partners *(Planned until 2025)*

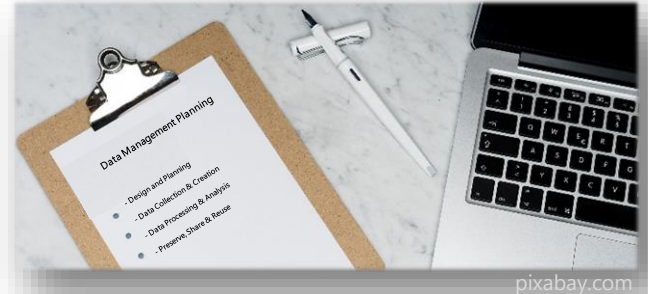


<https://tu-dresden.de/forschung-transfer/services-fuer-forschende/kontaktstelle-forschungsdaten/kontakt>

RDM vs DMP

RDM is knowledge management. It encompass all the **knowledge bricks** to properly manage all the research outputs.

DMP is an **operative formal deliverable, project and funding specific**. It address all the specific data management requirements for you project.



Data Management Planning It Matters

“For data to be effectively managed it is necessary to consider **how the data will be managed long before** any data has been collected”.

“One **formal and effective way** to do this is the preparation of a Data Management Plan (DMP)”.

“DMPs as **projects deliverable** is often required by funders and institutions, especially for publicly funded research”.

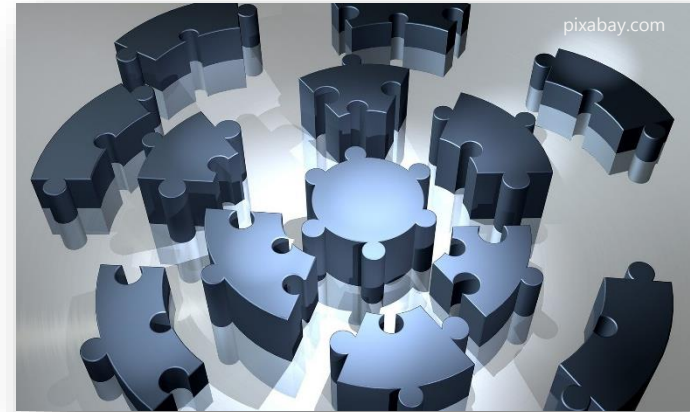
“Living document” update regularly (6 months)



DMPs involve/get support - Stakeholders!

DMP is about collaboration and teamwork!

- Organization Data Governance
- RDM Support Service
- Funder Policy (DFG, BMBF, Horizon,...)
- Researchers (all roles), Data Managers
- IT infrastructure



DMP = Best Practice

- DMP is a Good Practice
- It benefits you!
- Planning save time/resources in the long run
- Shape the DMP to fits your Project

Not only Funder requirements)



DMP examples

DMP for heterogeneous data (Surveys, Simulations, Observations, Experimental data)

DMP for social science data (E.g. Interviews)

DMP for Ecological and Geoscience data
(Geodata, models, time series, etc.)

More example [here](#)



Funders DMP Templates



European Research Council (E.g. Horizon Europe)



Deutsche Forschungsgemeinschaft (DFG)



Bundesministerium für Bildung und Forschung (BMBF)



Science Europe DMP Guidance



DMP Web-tools

 **DMPTool**
Build your Data Management Plan

UQ RDM

easy.DMP
Create data management plans

 **DMP ONLINE**

RDMO

argos

 **DSW**

DataWiz

 **ezDMP**
Data Management Plans Made Easy



DMP, Backward thinking

Think to those users not familiar with your data

- What the community would expect?
- Formats?
- Naming convention?
- Documentation?
- License?
- Etc...



DMP as SWOT analysis for SMART research outputs

Specific

Measurable

Achievable

Relevant

Time-Bound

To develop **strategic**
and
SMART goals



DMP as SWOT analysis for your research outputs



- DMP as research Quality Assurance tool (prevent/avoid/adapt)
- Maximize FAIRness research outputs
- Setting SMART goals
- Policy alignment



DMP as SWOT analysis for your research outputs



- Lack resources, Infrastructure
- Lack skills data producers
- Missing incentives
- More work load (at the beginning)



DMP as SWOT analysis for your research outputs



- Build Open Science skills
- Data culture change
- Impact, Research outreach and dissemination
- Capacity planning, service network
- Apply for eligible costs

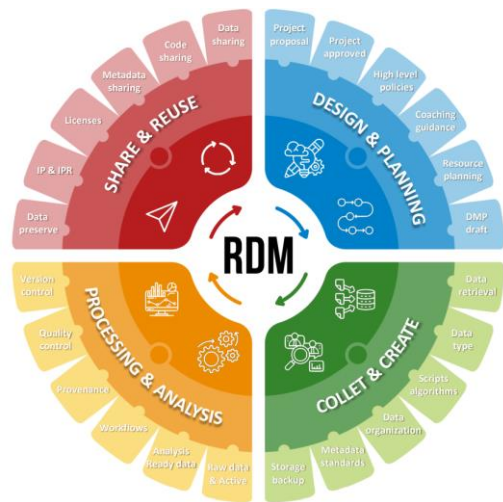


DMP as SWOT analysis for your research outputs



- Burden - DMP for the funders (not for you)
- Heterogeneous policies, Templates, funder requirements
- Data privacy

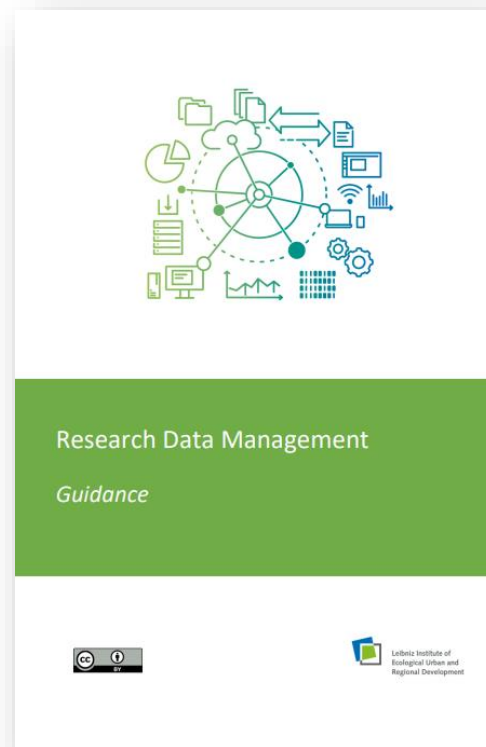




<https://doi.org/10.5281/zenodo.6482340>

DMP → Guidance

Let's Practice



<https://doi.org/10.5281/zenodo.6504928>

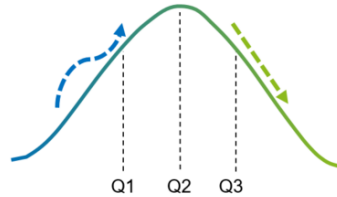
Raw data



Analysis ready data



RDM Best Practices



FAIR data story