



Data Management Plans

Services Roadshow by



Dec 04, 2024

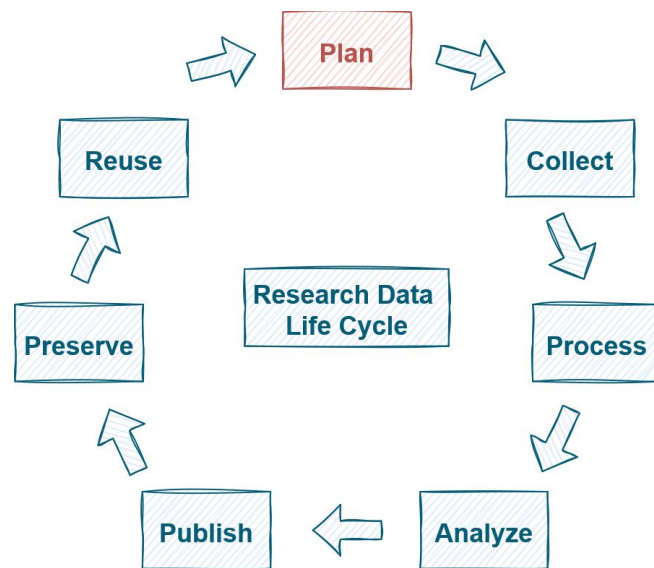
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Sabine Schönau, David Wallace, Jürgen Windeck



What is a Data Management Plan?

Spoiler: More than a research funder requirement

- A **Data Management Plan** (DMP)...
 - describes the data that researchers intend to collect or generate during the research process
 - explains how this data will be managed at different stages of the research project
- A DMP is a **living document**
 - created before the project
 - updated to reflect changes/adjustments as the research project progresses (e.g. revision of data sharing plans)
 - tailored to the specific needs of the community (not universally standardised)
- DMPs support researchers in producing **FAIR data**.



What is a Data Management Plan?

Spoiler: More than a research funder requirement

- A DMP answers key questions about research data, e.g.



Project-specific
administrative
information



Roles, responsibilities
and obligations



Budget, costs and
resources



Data types and formats



Metadata (standards),
referenceability



Data access and
publication

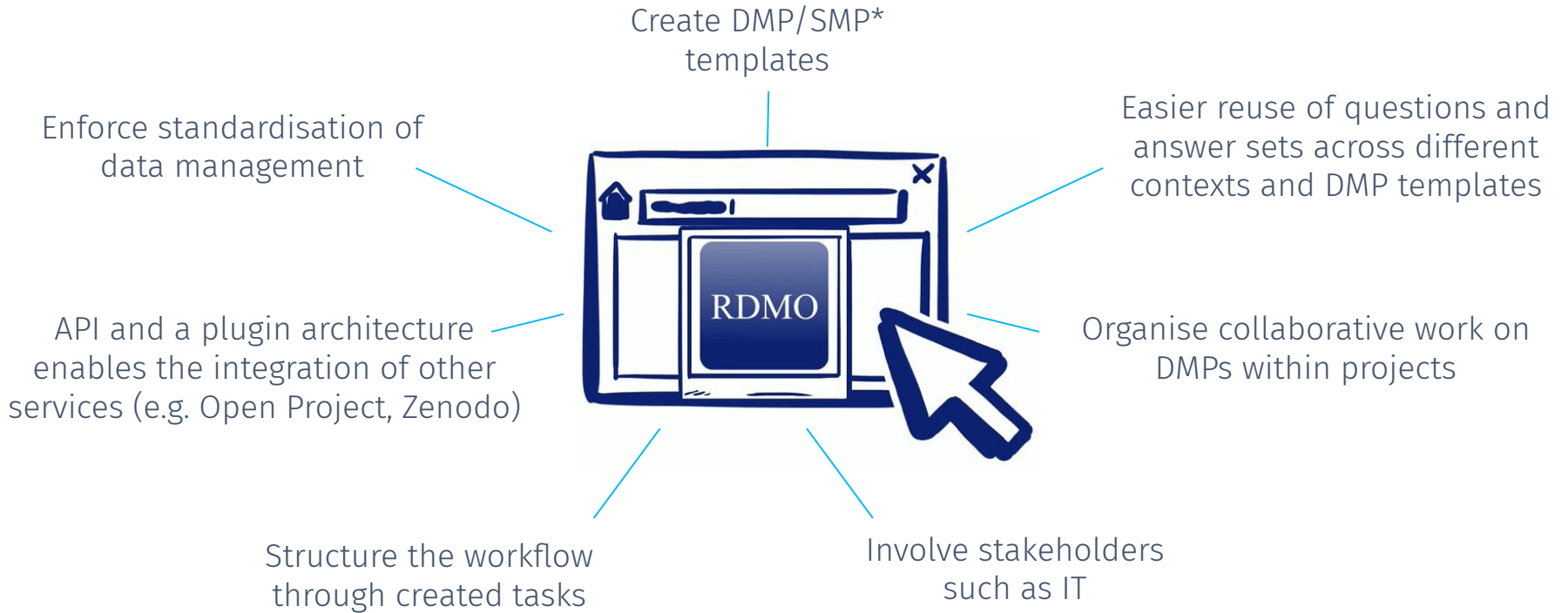


Data preservation



Data deletion

DMP-Tool: Research Data Manager Organiser (RDMO)



*SMPs: Software Management Plans

How can DMP4NFDI help you?

Cookie Monster



Work: Data Steward for Consortium NFDI4Cookies

Main Task: RDM Support

- Cookie Monster is developing a DMP for the consortium to establish processes for standardised data handling and quality assurance

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Main Task: RDM Support

- Cookie Monster is developing a DMP for the consortium to establish processes for standardised data handling and quality assurance, but...
 - the consortium does not have the resources to host its own DMP Tool
 - template creation can be complicated and time consuming, especially without support or usable documentation
 - the lack of well-curated, domain-specific templates and the heterogeneity of DMP approaches leads to inconsistencies and difficulties in reuse
 - RDMO's user interface can be intimidating to inexperienced users.


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- Cookie Monster decides to get in contact with  **DMP4nfdi**

DMP4NFDI

Service and technical concept



Central objective:

establish and foster the NFDI-wide use and application of maDMPs and maSMPs*



Universitäts- und
Landesbibliothek
Darmstadt



- central hosting of open source tool RDMO
- coordination and support of template creation and their standardisation
- guidance, training and support for DMP-responsible staff in consortia

* and analogues



DMP4NFDI

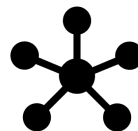
Service portfolio



Customisable
RDMO clients for
each consortium



Separate test and
production
environments



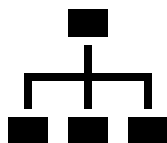
Integration with
other services



Support for
template
development



One database for
shared use of
templates



Centralised
vocabulary to
ensure
interoperability



DMP4NFDI template
framework



Training for
consortium staff

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DMP4nfdi

- Cookie Monster is developing a DMP for the consortium to establish processes for standardised data handling and quality assurance, but...
 - the consortium does not have the resources to host its own DMP Tool
 - **Solution:** RDMO Client hosted by DMP4NFDI
 - template creation can be complicated and time consuming, especially without support or usable documentation
 - **Solution:** DMP4NFDI supports the template development
 - the lack of well-curated, domain-specific templates and the heterogeneity of DMP approaches leads to inconsistencies and difficulties in reuse
 - **Solution:** DMP4NFDI Template Framework
 - RDMO's user interface can be intimidating to inexperienced users.
 - **Solution:** DMP4NFDI provides trainings and training materials for consortia staff

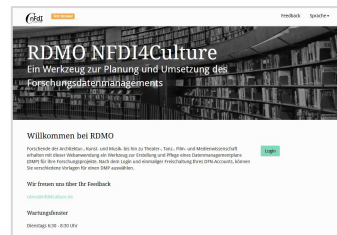
Why does the community need DMP4NFDI? What are we trying to solve?

Benefits to consortia

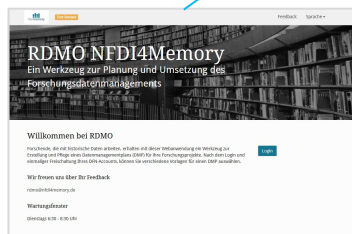
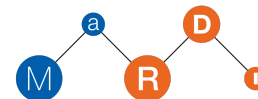
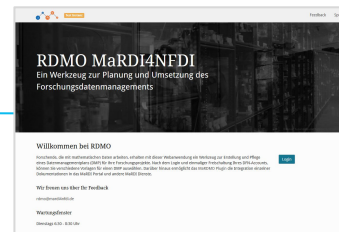
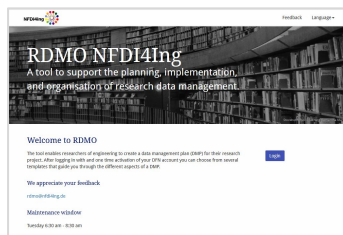
- **Landscape:** common software solution (RDMO) for DMPs and SMPs, with centralised hosting, support and maintenance
- **Interoperability:** standardised but modular, domain-specific DMP templates for improved data quality; machine-readable and interoperable data management across NFDI and different tools
- **Support:** central support and training for DMPs and RDMO tool, enhanced researcher guidance in developing FAIR and policy-compliant DMPs → foster culture change
- **Networking:** Connecting with national and international DMP stakeholders

DMP4NFDI

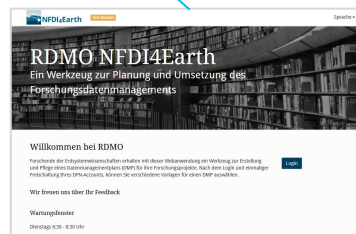
Current RDMO clients



NFDI4ing



12



Get in touch with us!

If your consortium is planning to provide a DMP service
- **contact us** via dmp4nfdi@lists.nfdi.de!

We are **looking for incubator projects** (3-6 months) for the integration phase

- Hosting RDMO
- Template development
- Integration of RDMO with other services
- Support & Training
- Outreach to community

Interested? Let us know!



Image: Designed by [vectorjuice/Freepik](#)

Meet the team

E-Science-Tage 2025 - March 12 to 14

- Workshop
- Poster

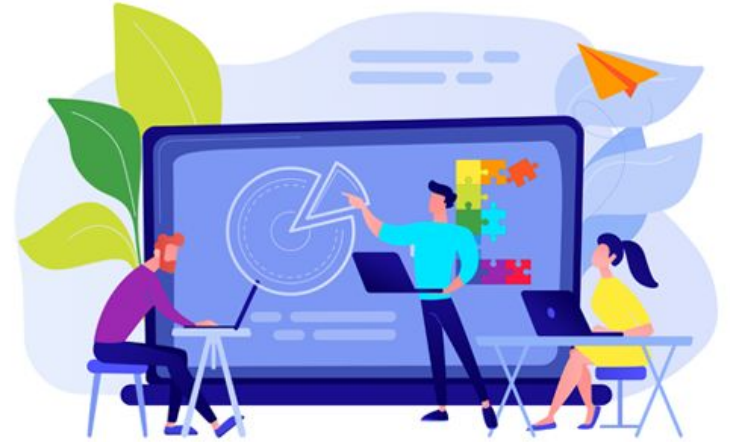


Image: <https://e-science-tage.de/en/startseite>

The DMP Service will include the hosting of which open source Data Management Planning tool?

KU) Google Plans for Science

OL) RDMO

IM) DMP4NFDI



Thank you!
Questions?



dmp4nfdi@lists.nfdi.de



base4nfdi-servicestewards@lists.nfdi.de for general inquiries



base4nfdi.de/projects/dmp4nfdi