

infra-dmp & DMP4NFDI

NFDI Section Common Infrastructures

RDMO Community Meeting 2025-08-26

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Sabine Schönau (Universitätsbibliothek RWTH Aachen)

A Vision for DMPs in NFDI

White paper

- Connecting stakeholders
- Machine-actionable DMPs
- Integration into the research process

Zenodo:

<https://doi.org/10.5281/zenodo.10570654>

A Vision for Data Management Plans in the
NFDI

Authors

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Version 1.0

January 2024

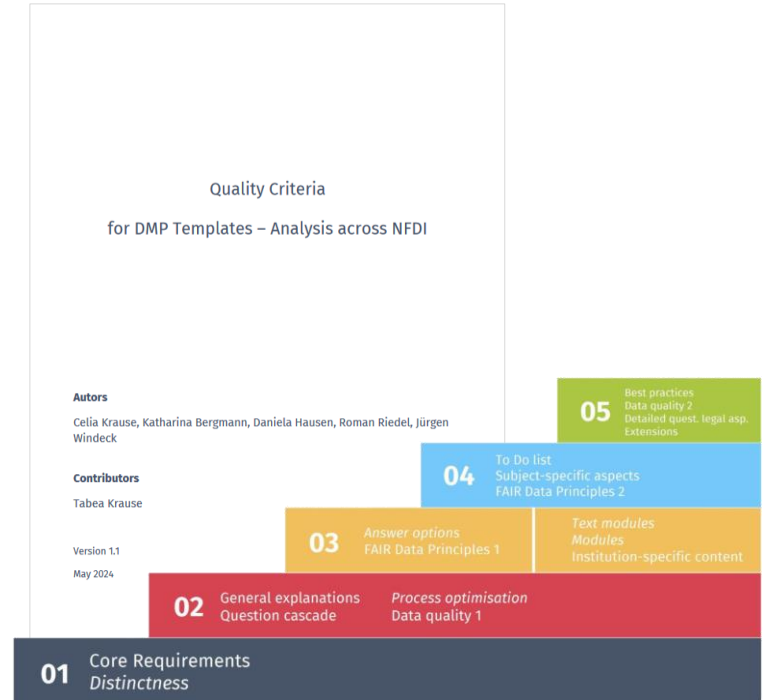
Quality Criteria for DMP Templates

Version 1.1

- 13 content related criteria
- 5 formal criteria
- five levels of complexity

Zenodo:

<https://doi.org/10.5281/zenodo.13347687>



infra-dmp working groups

UAG 7: Criteria for DMP Evaluation

Goal: A checklist for data stewards/researchers to review a DMP

UAG 8: Recommendations for Green DMPs

Goal: A recommendation on DMPs for ecologically sustainable data management



by [Jason Goodman](#) via [Unsplash](#)

UAG 7: Criteria for DMP Evaluation

Online Workshop, Sep 17

Goal: reflect together on strengths and weaknesses of the current evaluation criteria and explore ways to improve them.

Registration: <https://fz-juelich-de.zoom-join.me/join/join/0S63wvIFSUuZykN5F9PpxQA>

More Information also via rdmo mailing list

Table 2. General Evaluation Criteria for DMP

	proposal/early stage	Mid-project (contains the monitoring and controlling of early stage criteria by default)	End-project (contains the report of early stage criteria by default)
1 DATA DESCRIPTION AND COLLECTION OR RE-USE OF EXISTING DATA			
1a How will new data be collected or produced and/or how will existing data be re-used?	New data collected or produced: ☐ The data are described in terms of their nature, purpose, and context. ☐ The methods, tools, instruments, and software to be used for data collection are specified. ☐ The necessity of collecting or producing new data is justified Re-use of existing data: ☐ The reused data is described clearly (including type, scope, and relevance to the project). ☐ Specific sources of the reused data are mentioned (e.g., database name, DOI, publication). ☐ The purpose of reusing the data is explained (e.g., validation, comparison, integration). ☐ Access methods and any permissions required for reuse are described. ☐ Licensing terms and any constraints on reuse (e.g., embargoes, access restrictions) are stated.	Confirm which data types have been produced or reused so far, update formats/tools used, and note any changes. Include information on data provenance.	List final data types and formats collected or reused, with justification for deviations from the original plan.
1b What data (for example the kind, formats, and volumes) will be collected or produced?	☐ The data types to be collected or produced are clearly listed or described (e.g., numeric, textual, audio, image, video, simulation outputs, processed datasets). ☐ The expected data formats are specified. ☐ The expected data volume (in size and/or number of files/entries) is estimated. ☐ If open and non-proprietary formats are used, this is explicitly mentioned. ☐ If proprietary or less-common formats are used, a justification is provided, including any limitations this may pose for reuse or access. ☐ Data conversion strategies are described if data will be transformed between formats (e.g., raw to processed formats, proprietary to open). ☐ It is clearly stated if the project will not produce new data, with an explanation.	Monitor RDM pipelines and workflow of the data analysis, and provide updates.	Explain the implementation of data conversion strategies for archiving purposes in detail.
2 DOCUMENTATION AND DATA QUALITY			
2a What metadata and documentation (for example the methodology of data collection and way of organising data) will accompany the data? Are method- or discipline specific standards being used? (if so name them)	☐ The types of metadata to be provided are clearly described, including both descriptive metadata (e.g., title, creator, keywords, project information) and process-related metadata (e.g., experimental or simulation conditions, instrumentation settings, sampling methods, software versions). ☐ Data models or metadata schemes that the project will develop or adopt are described, including whether existing ontologies or vocabularies will be extended. ☐ Justification of developing new data models/schemas (not reusing existing ones) is provided. ☐ The approach for data documentation and linking the metadata to datasets (how metadata will be structured, linked, used)	Report which metadata standards or tools are being used, and describe ongoing QA/QC procedures.	Provide evidence of complete documentation (e.g., metadata files, L2/L3 snapshots), and summarise QA outcomes.

Draft Evaluation Criteria

infra-dmp

Next meeting

- Sep, 26 10:00 – 11:30

Mailing list

- section-infra-wg-dmp@lists.nfdi.de

Charta

- <https://doi.org/10.5281/zenodo.7540682>

DMP4NFDI Basic Service Integration Phase

Project partners

- ULB Darmstadt (NFDI4ING)
- University Library Aachen (NFDI4Chem)
- ZB Med (NFDI4Health)

Central objective

Establish and foster the NFDI-wide use
and application of maDMPs and maSMPs

via RDMO hosting, template standardisation, support & training



DFG Grant number: 521466146

DMP4NFDI Basic Service Integration Phase

- Start Integration: July 2025
- Proposal: <https://doi.org/10.5281/zenodo.15482168>

Changes to initialisation phase

- Support consortia in DMP outreach
- Software management plans as focus topic
- Incubator projects to add more consortia



DMP4NFDI Basic Service Clients

Productive clients



Test clients

DMP4NFDI Basic Service

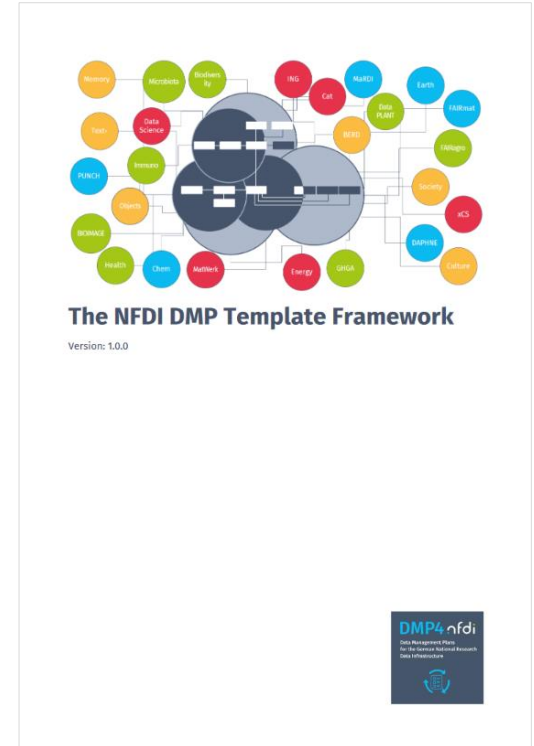
NFDI DMP Template Framework

Goal

Ensure Interoperability across NFDI DMP
Templates and enable integration with services
(maDMP)

Publication

- <https://doi.org/10.5281/zenodo.16737079>



DMP4NFDI Basic Service Train-the-Trainer Concept

on Data Management Plans and RDMO

Outlines the goals, target groups, strategies, and measures the service is implementing to provide specialised training on DMPs across the NFDI, with RDMO as the central tool

Publication

- <https://doi.org/10.5281/zenodo.15771036>



Train-the-Trainer Concept on Data Management Plans and RDMO

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DOI: 10.5281/zenodo.15771036
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Contributors: Birte Lindstädt, Anja Manske, Jana Tatscheck, Heilam Vishen



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DMP4NFDI Basic Service

Upcoming Events

- 2025-08 CoRDI (Poster)
- 2025-08 UC4B (Poster + Session)
- 2025-09 Metadata & PID Workflows: Joint Workshop
for ELN and DMP Tools (Workshop)
- 2025-09 FDM@Campus (Workshop)
- ~2025-11 LTA & DMP (Workshop)
- planned: RDMO Catalog Management (Workshop)

DMP4NFDI Basic Service Team

RDMO Hosting & Service integration

David Wallace
Jürgen Windeck



Template Standardisation

Sabine Schönau



Support and Training & SMP

Marisabel Gonzalez-Ocanto
Leyla Jael Castro



DMP4NFDI Basic Service

Contact



Website

<https://dmp.services.base4nfdi.de>

Contact

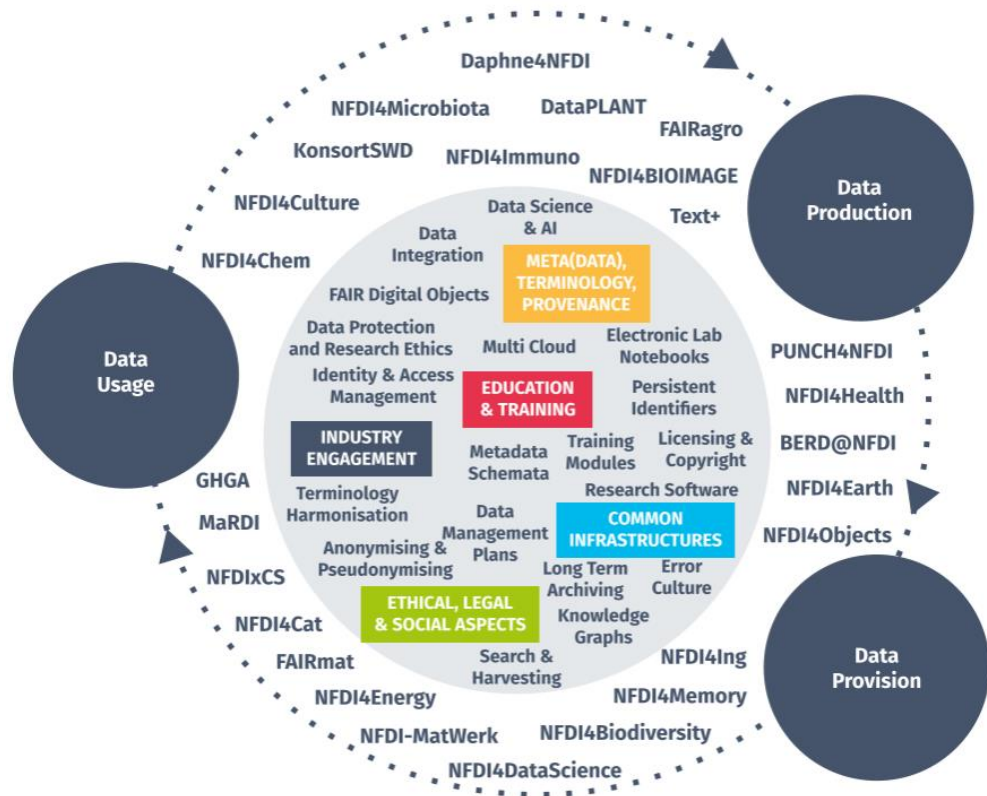
<https://dmp.services.base4nfdi.de/contact>

DFG Grant number: [521453681](#)

DMP4NFDI

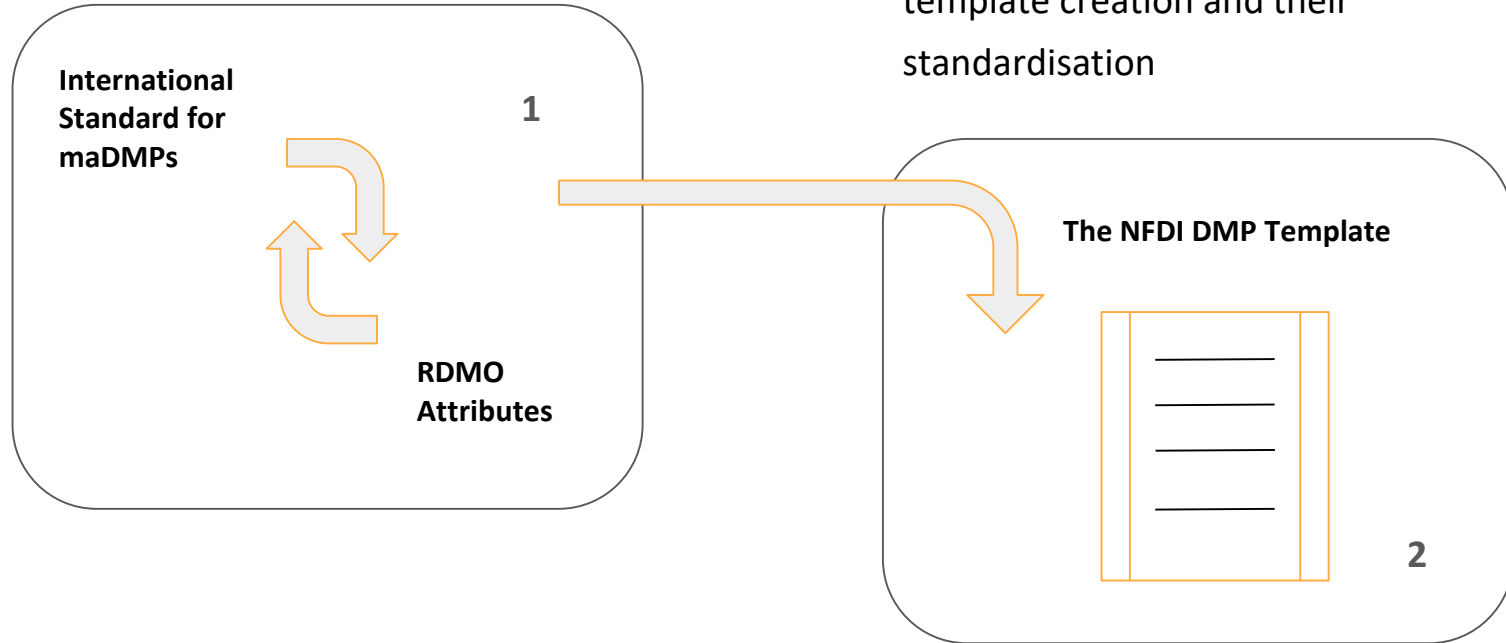
The NFDI DMP Template Framework

Date: 2025-08-26

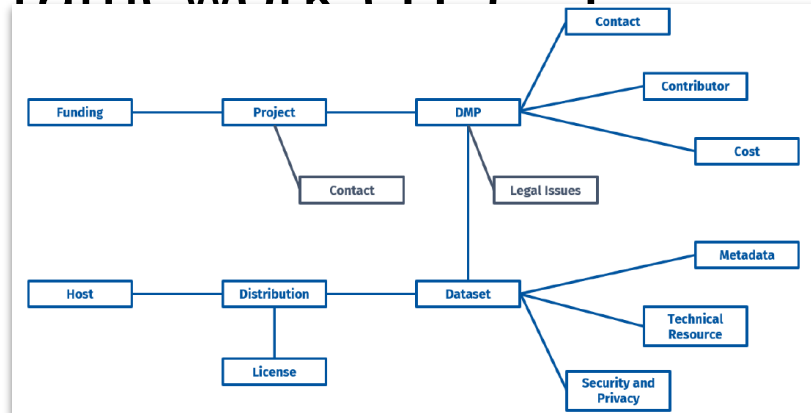
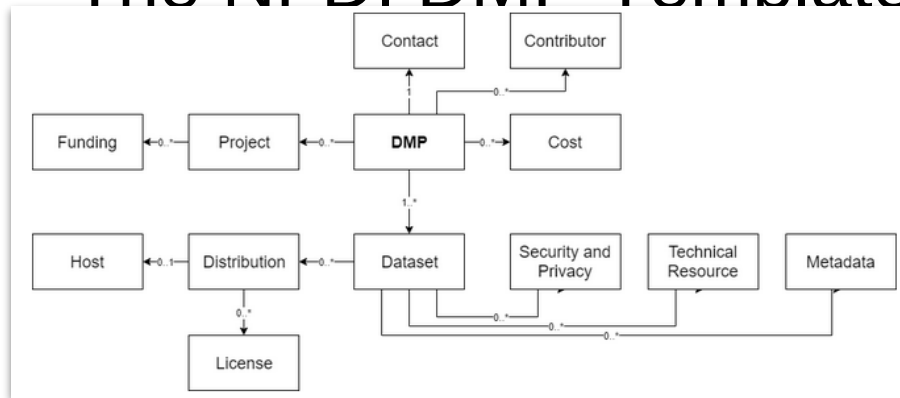


The NFDI DMP Template Framework (TF)

Two perspectives on the TF:



The NFDI DMP Template Framework (TF) - 1



Properties in 'license'

Name	Description	Data Type	Cardinality	Example Value
license_ref	Link to license document.	URL	1	https://creativecommons.org/licenses/by/4.0/
start_date	If date is set in the future, it indicates embargo period. Encoded using the relevant ISO 8601 Date compliant string	Date	1	2019-06-30

<https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard?tab=readme-ov-file#properties-in-license>

Question	Type	Obligation	RDA maDMP Property	RDMO Attribute
Shall the data only be made accessible after an embargo period has expired?	String	mandatory	rdadmp:dmp/dataset/distribution/license/start_date	project/dataset/preservation/embargo_period
Under which terms of use or license will the dataset be published or shared?	Term from controlled list (see Appendix 11)	mandatory	rdadmp:dmp/dataset/distribution/license/license_ref	project/dataset/sharing/conditions

<https://zenodo.org/records/16737079>

The NFDI DMP Template Framework (TF) - 1

RDA DMP Common Standard for maDMPs

Structure

- [dmp](#)
 - [contact](#)
 - [contact_id](#)
 - [identifier](#)
 - [type](#)
 - [mbox](#)
 - [name](#)
 - [contributor](#)
 - [contributor_id](#)
 - [identifier](#)
 - [type](#)
 - [mbox](#)
 - [name](#)
 - [role](#)
 - [cost](#)
 - [currency_code](#)
 - [description](#)
 - [title](#)
 - [value](#)
 - [created](#)
 - [dataset](#)
 - [data_quality_assurance](#)

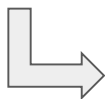
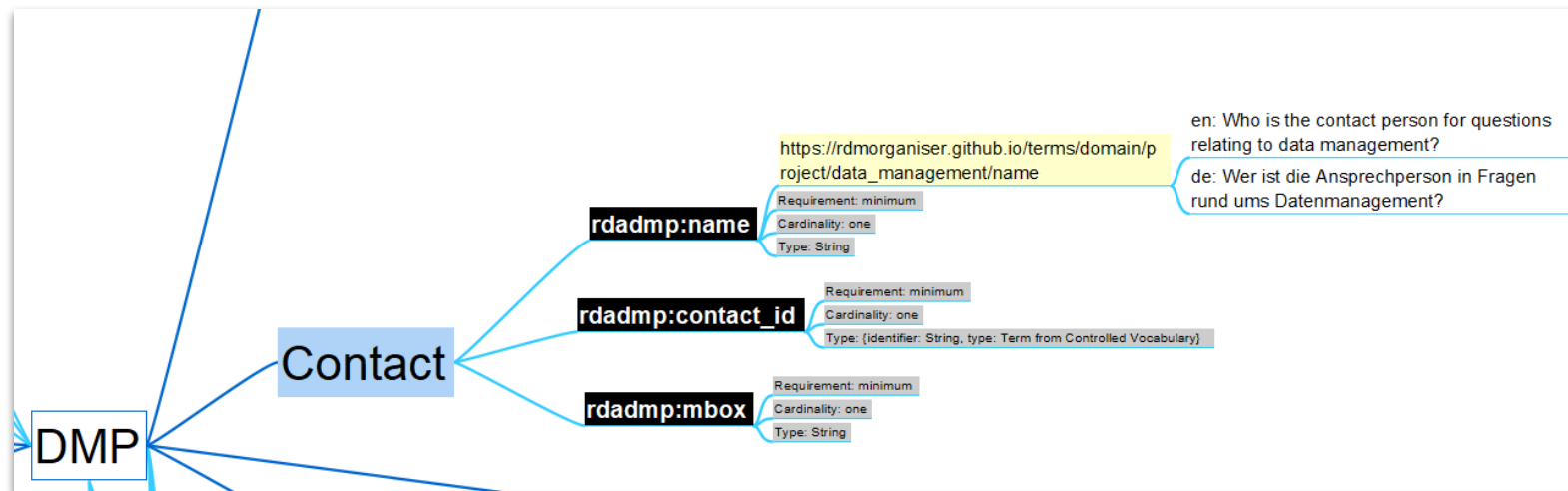
RDMO Attribute List

RDMO Attribute
project/dataset/sharing/repository
project/dataset/sharing/restrictions_explanation
project/dataset/pids/system
project/dataset/storage/type
project/dataset/versioning_tool
project/dataset/data_security/backups

- Scope of the attribute
- Obligation
- Type
- ...

- Related question
- Optionset
- Plugin
- ...

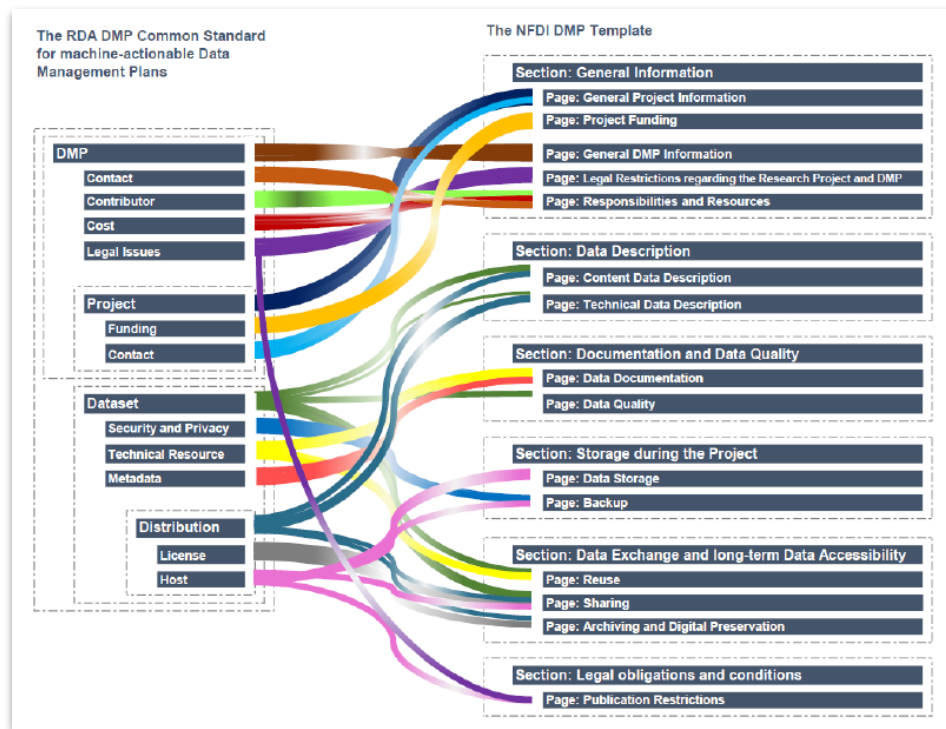
The NFDI DMP Template Framework (TF) - 1



Question	Type	Obligation	RDA maDMP Property	RDMO Attribute
Who is the main contact person for questions related to data management?	String	mandatory	rdadmp:dmp/contact/name	project/data_management/name

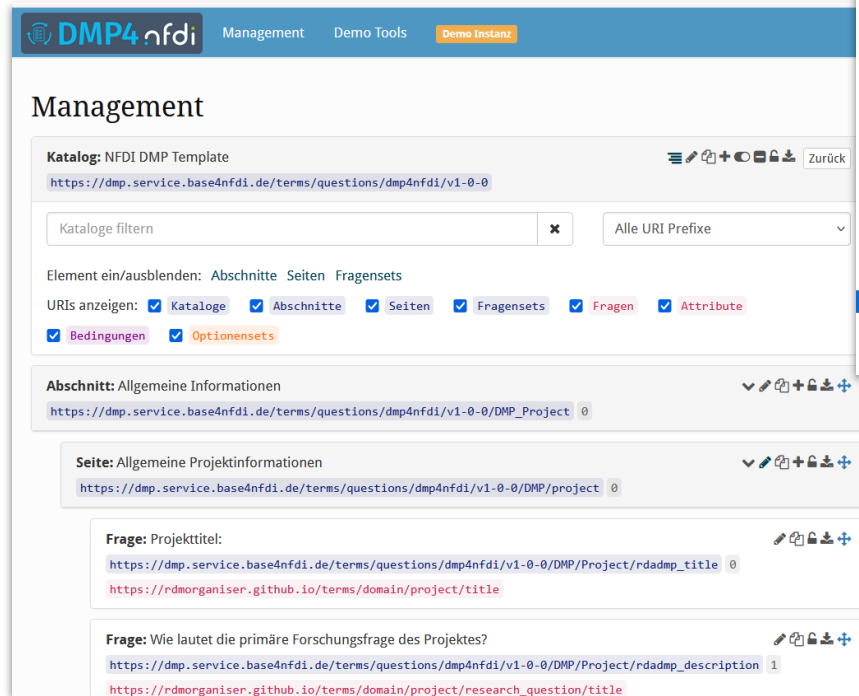
The NFDI DMP Template Framework (TF) - 2

Used mappings in the RDMO "NFDI DMP Template"

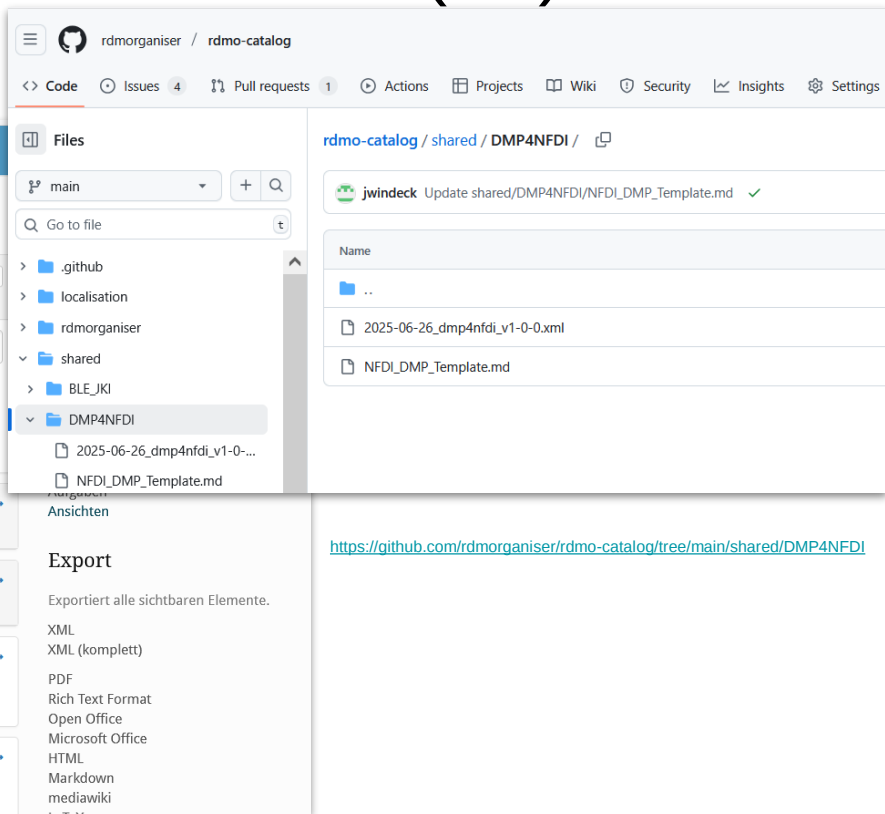


- questions from existing RDMO catalogs adjusted with focus groups
- optionsets from existing catalogs, the RDA maDMP or consortia needs
- plugins from the RDMO community or consortia needs

The NFDI DMP Template Framework (TF) - 2



The screenshot shows the 'Management' section of the DMP4nfdi interface. At the top, there's a navigation bar with 'Management', 'Demo Tools', and 'Demo Instanz'. Below this, the 'Katalog: NFDI DMP Template' is displayed with a URL: <https://dmp.service.base4nfdi.de/terms/questions/dmp4nfdi/v1-0-0>. A filter box 'Kataloge filtern' and a dropdown 'Alle URI Prefixe' are present. A section 'Element ein/ausblenden: Abschnitte Seiten Fragensets' allows toggling various elements like 'Kataloge', 'Abschnitte', 'Seiten', 'Fragensets', 'Fragen', 'Attribute', 'Bedingungen', and 'Optionensets'. Below this, the 'Abschnitt: Allgemeine Informationen' is shown with a URL: https://dmp.service.base4nfdi.de/terms/questions/dmp4nfdi/v1-0-0/DMP_Project. The 'Seite: Allgemeine Projektinformationen' section includes a 'Frage: Projekttitel:' with two URLs: https://dmp.service.base4nfdi.de/terms/questions/dmp4nfdi/v1-0-0/DMP/Project/rdadmp_title and <https://rdmorganiser.github.io/terms/domain/project/title>. Another 'Frage: Wie lautet die primäre Forschungsfrage des Projektes?' is shown with two URLs: https://dmp.service.base4nfdi.de/terms/questions/dmp4nfdi/v1-0-0/DMP/Project/rdadmp_description and https://rdmorganiser.github.io/terms/domain/project/research_question/title.



The screenshot shows the GitHub repository interface for 'rdmorganiser / rdm-catalog'. The top navigation bar includes 'Code', 'Issues 4', 'Pull requests 1', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. The 'Files' section is active, showing a file tree with folders like '.github', 'localisation', 'rdmorganiser', 'shared', 'BLE_JKI', and 'DMP4NFDI'. The 'DMP4NFDI' folder is expanded, showing files '2025-06-26_dmp4nfdi_v1-0-...' and 'NFDI_DMP_Template.md'. A commit by 'jwindeck' titled 'Update shared/DMP4NFDI/NFDI_DMP_Template.md' is shown. Below the file tree, the 'Ansichten' (Views) section is visible, followed by the 'Export' section which lists options: XML, XML (komplett), PDF, Rich Text Format, Open Office, Microsoft Office, HTML, Markdown, mediawiki, and Text. A URL is provided: <https://github.com/rdmorganiser/rdm-catalog/tree/main/shared/DMP4NFDI>.

The NFDI DMP Template Framework (TF)

Refining the TF:

- AG LTA
- PID
- Legal Issues
- get in touch with us!

Staying interoperable:

- use the attribute mapping for your plugins
- reuse and refine the NFDI DMP Template

Work and discuss with us:

In-person

- CoRDI 08/2025
- Metadata & PID Workflows: Joint Workshop for ELN and DMP Tools 09/2025
- FDM@Campus 10/2025

Online Workshops

- Workshop LTA & DMP 11/2025

DMP4nfdi

Data Management Plans
for the German National Research
Data Infrastructure



Thank You !

