Supporting resources for and conceptual reflections on data management planning in Norway

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Academic libraries face a growing demand to support researchers with research data management (RDM). This commonly includes the writing of data management plans (DMP) in accordance with funder requirements and the researchers needs.

The 1-year project Data Management Plans: Support package for Norwegian higher education libraries (2023-2024) has aligned different understandings of DMPs and mapped DMP stakeholders in Norway.

The support package consists of a modular DMP questionnaire and accompanying information pages for researchers, complemented by resources for support personnel. Using an open contribution approach, the research data community is encouraged to actively maintain and further develop these open resources.

Modular DMP questionnaire

Based on prior evaluation of digital DMP tools¹, a domain-agnostic DMP questionnaire was implemented in the tool **Data Stewardship Wizard**.

Aiming to accommodating different domain and project needst, the questionnaire builds on the Science Europe DMP guidance² and the Common Standard for machine-actionable DMP $(maDMP)^3$.

Project with strictly defined research question ar limited number of participan DMP by individual researcher (various career stages)	Project with large number of different datatypes and sensitive data Project with large data volume
Project with limited data volume Project considerin itself "without dat	DMP by research centre with guidelines for all associated projects International consortium project with large number of WPs and participants

Conditional follow-up questions were paired with a modular approach through building blocks. This approach helps in balancing a sufficient degree of detail, relevant questions, as well as collecting structured information required by DMP stakeholders, without having to maintain multiple templates.



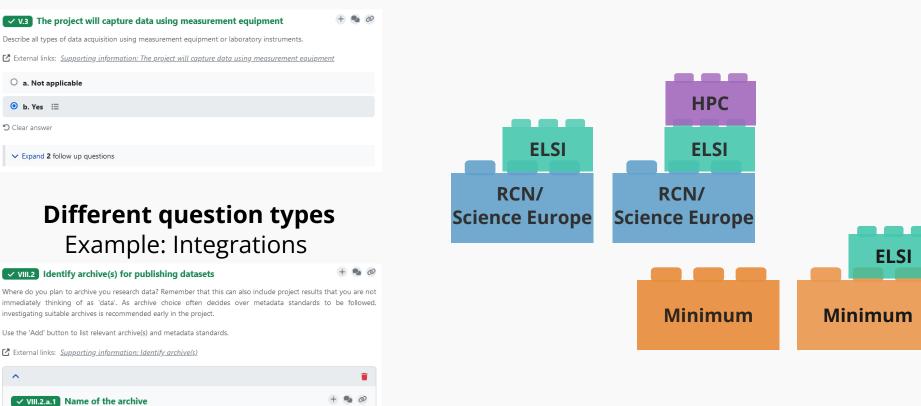
DMP Supporting Information

Researchers should experience writing a DMP as a useful process on the way to good RDM routines and publication of FAIR research data, not as an administrative burden. To achieve this, helpful guidance alongside relevant questions is essential.

DMP Supporting	About the Data Management	On this page
Information	About the Duta Management	About this chapter
Purpose of a DMP	Plan 🗸 🔊	Question-specific guidance
RDM and DMP requirements		Further resources
Get local/disciplinary support	Tip: Why is this topic important	
Pre-start/pre-award	» Administrative information about the DMP itself	
considerations	» Be clear about contributions to the DMP and the data management in the project » How will the DMP be maintained as a living document?	
The data management 🔨	» Make notes about relevant related information	
plan (DMP)		
Chapter 1 - About the	NB! For projects with particular information security requirements (e.g. dual use research, protection of intellectual property rights and commercial interests), already the DMP itself could be sensitive information.	
DMP	If applicable, clarify this with your IT department.	
Chapter 2 - About the		
research project	About this chapter	
Chapter 3 - Legal and	This chapter collects administrative information about the data management plan (DMP) itself. It makes it clear	
ethical aspects	who contributes to data management in the research project and how responsibilities are assigned in the	
Chapter 4 - Storing and	research group (e.g. between the project leader, research staff, and technical staff), which also is useful information when making data accessible. A DMP should be a living document and plans and responsibilities	
protecting data during the project	for undertaking DMP revisions should be noted in this chapter.	

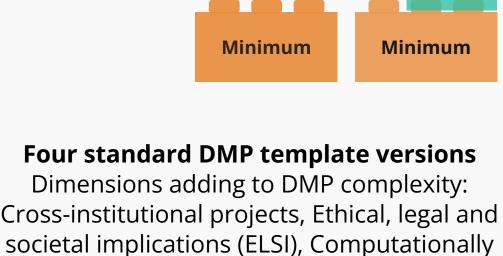
The DMP questionnaire is accompanied by supplementary explanations to each chapter and question, including links to the project partners' institutional guidance and relevant external resources. All text resources were co-created through an open contribution and maintenance approach and are licensed for reuse under CC BY 4.0.

Conditional follow-up questions



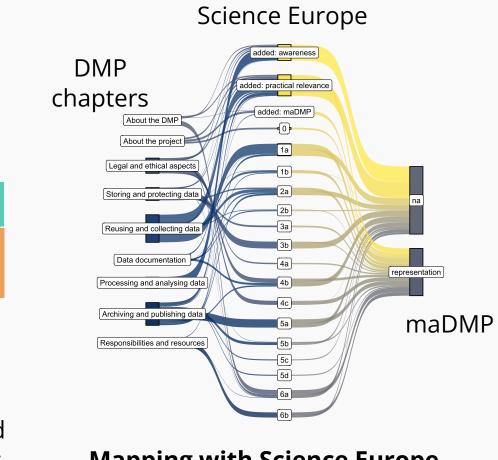
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nd coordinated by UiT The Arctic University of Norway. DataverseNO is a curated and FAIR-enabling pository. The technical infrastructure of the repository is based on the open-source application rse, which is developed by an international developer and user community led by Harvar niversity. DataverseNO is CoreTrustSeal certified.



demanding projects (HPC, large volumes)

References: ¹Gabrielsen et al. (2022). https://doi.org/10.5281/zenodo.7428542 ²Science Europe (2021). https://doi.org/10.5281/zenodo.4915862 ³Miksa et al. (2020). https://doi.org/10.15497/rda00039



Mapping with Science Europe DMP guidance and maDMP standard

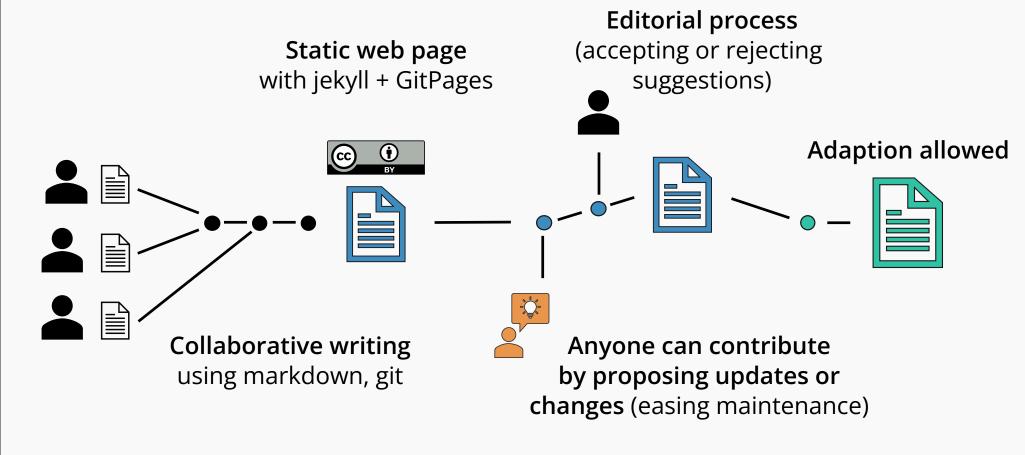


Illustration of the open contribution and maintenance approach



Pre-start/ pre-award considerations Complementing the DMP, a set of guiding questions was developed to help addressing research data management during project planning/ proposal writing.



