

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.

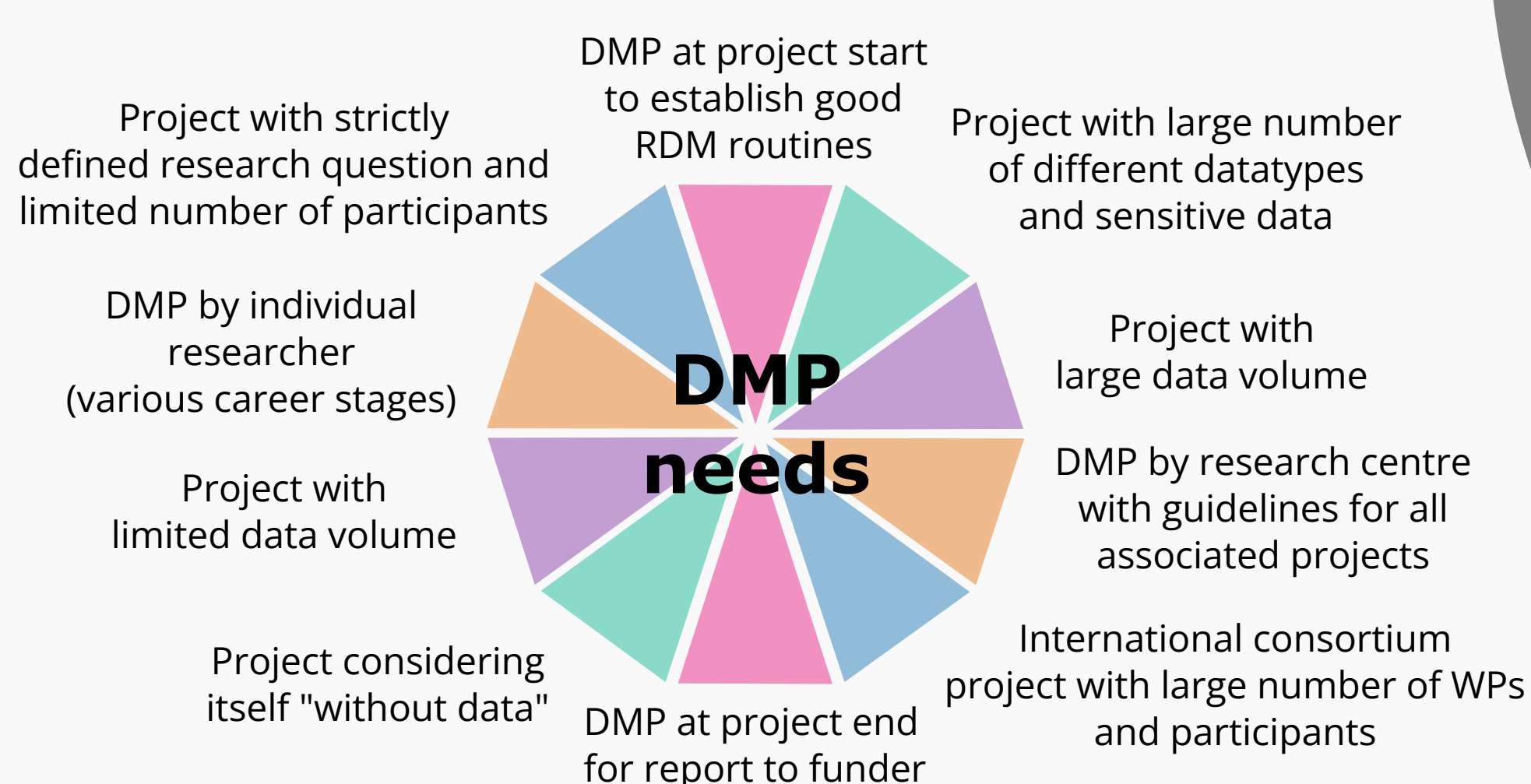
The 1-year project *Data Management Plans: Support package for Norwegian higher education libraries (2023-2024)* has aligned different understandings of DMPs and mapped DMP stakeholders in Norway.

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

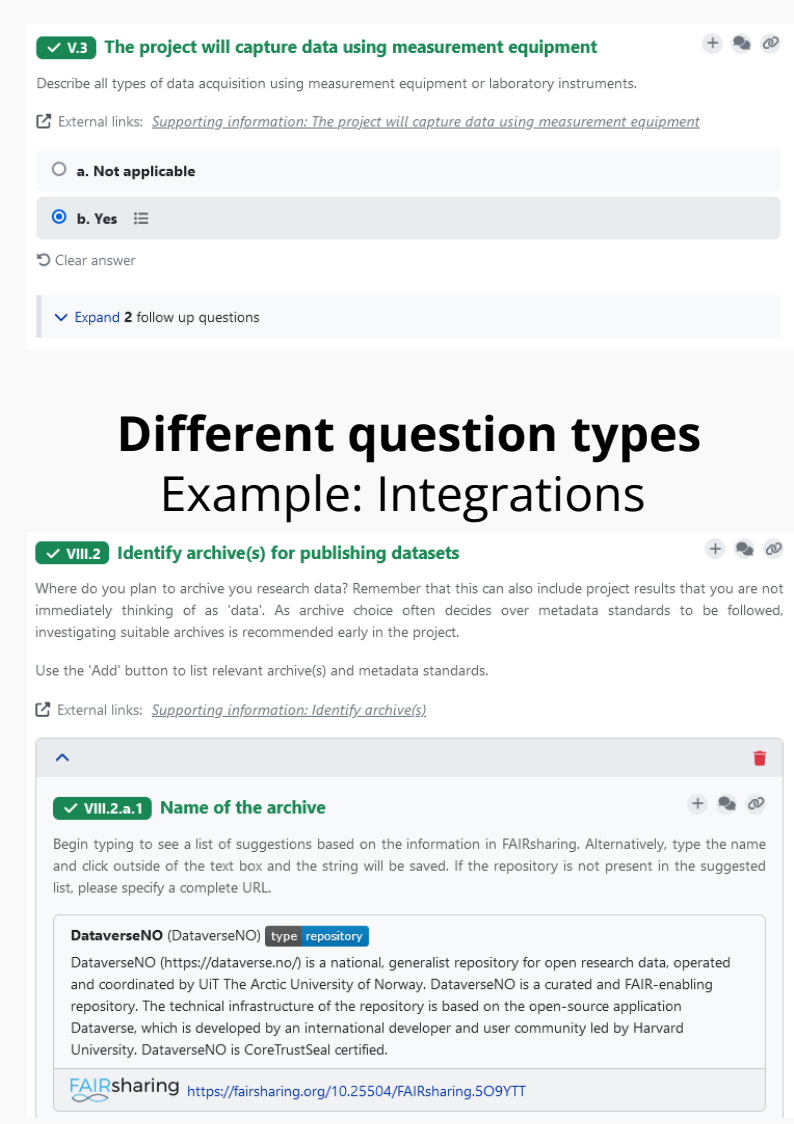
Based on prior evaluation of digital DMP tools¹, a domain-agnostic DMP questionnaire was implemented in the tool **Data Stewardship Wizard**.

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

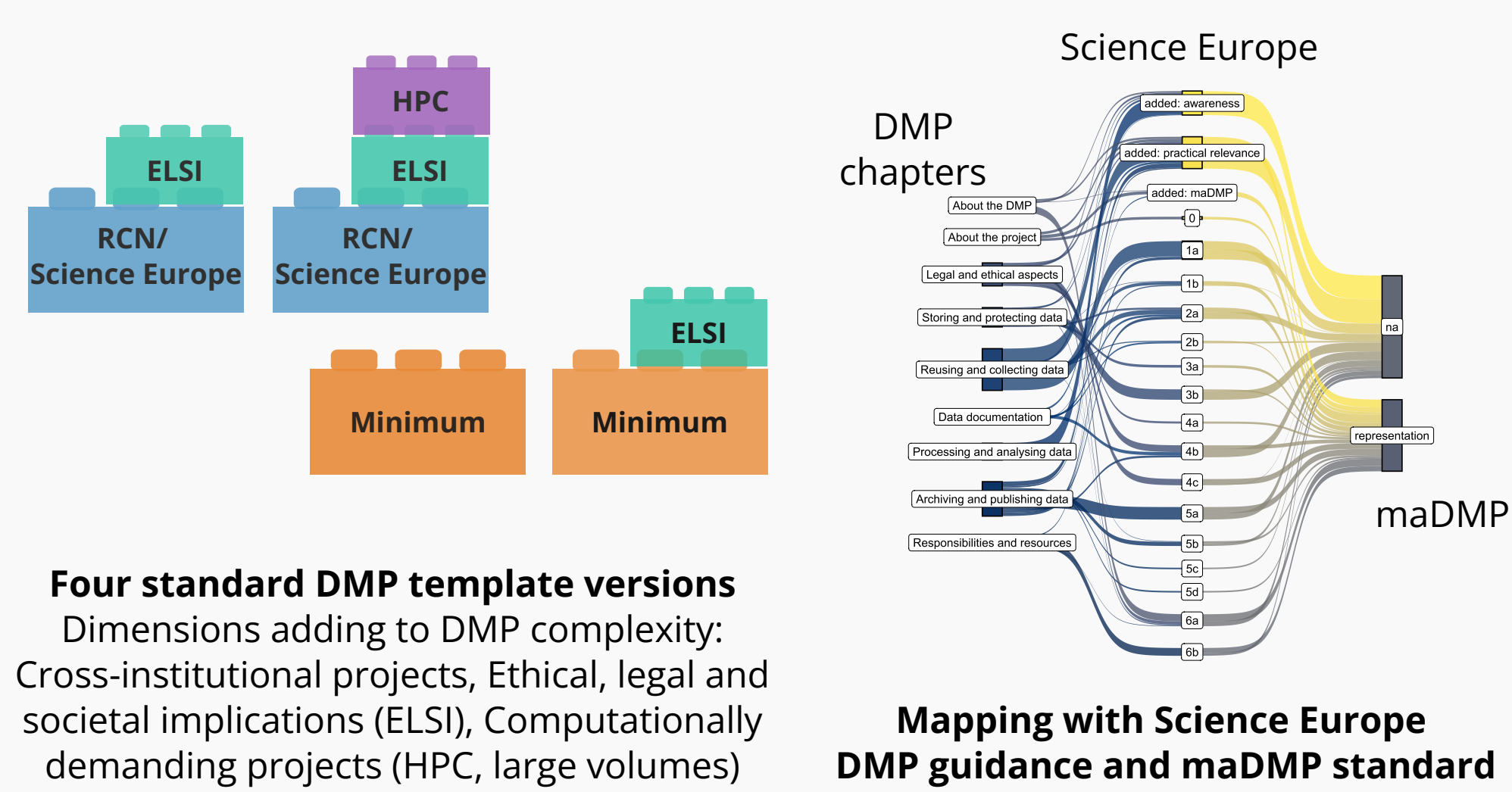


Conditional follow-up questions were paired with a modular approach through building blocks. This approach helps in balancing a sufficient degree of detail, relevant questions, as well as collecting structured information required by DMP stakeholders, without having to maintain multiple templates.

Conditional follow-up questions

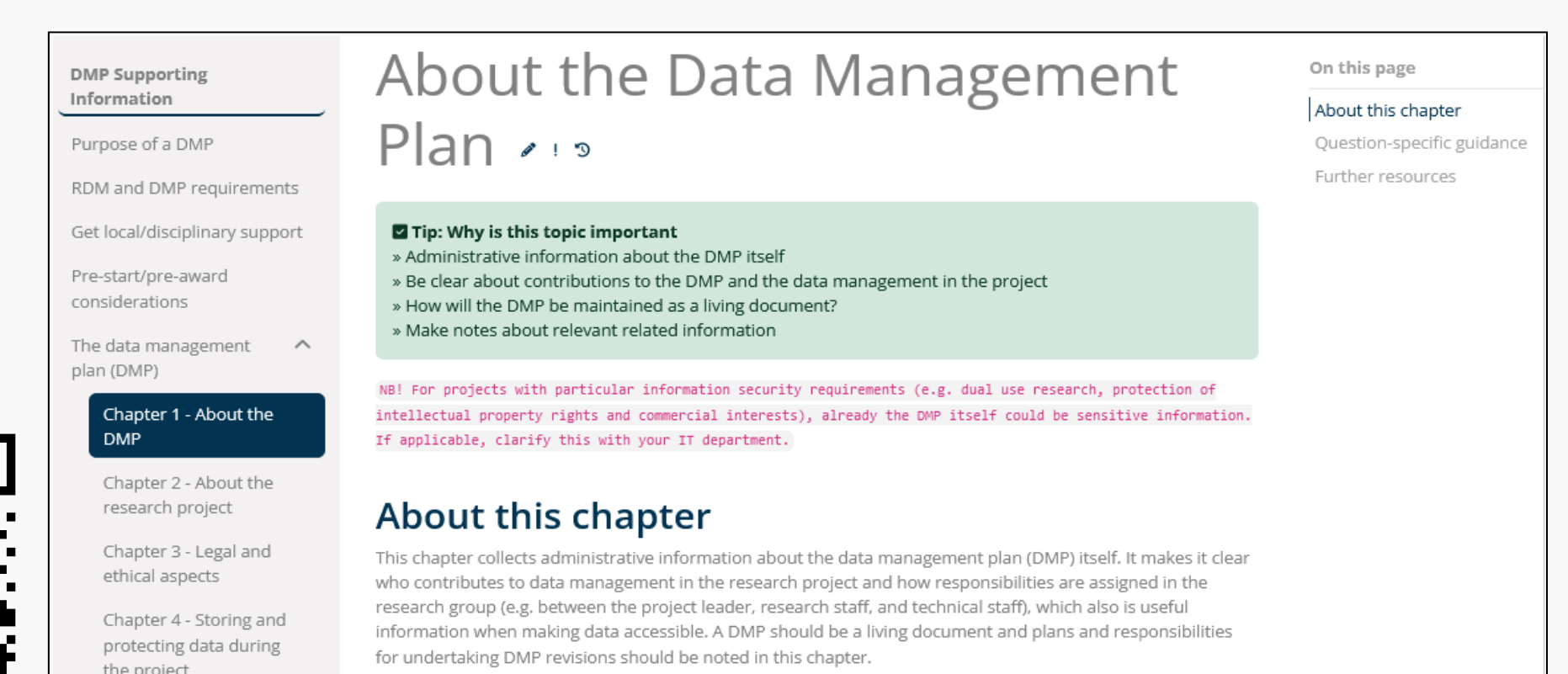


References: ¹Gabrielsen et al. (2022). <https://doi.org/10.5281/zenodo.7428542>
²Science Europe (2021). <https://doi.org/10.5281/zenodo.4915862>
³Miksa et al. (2020). <https://doi.org/10.15497/rda00039>

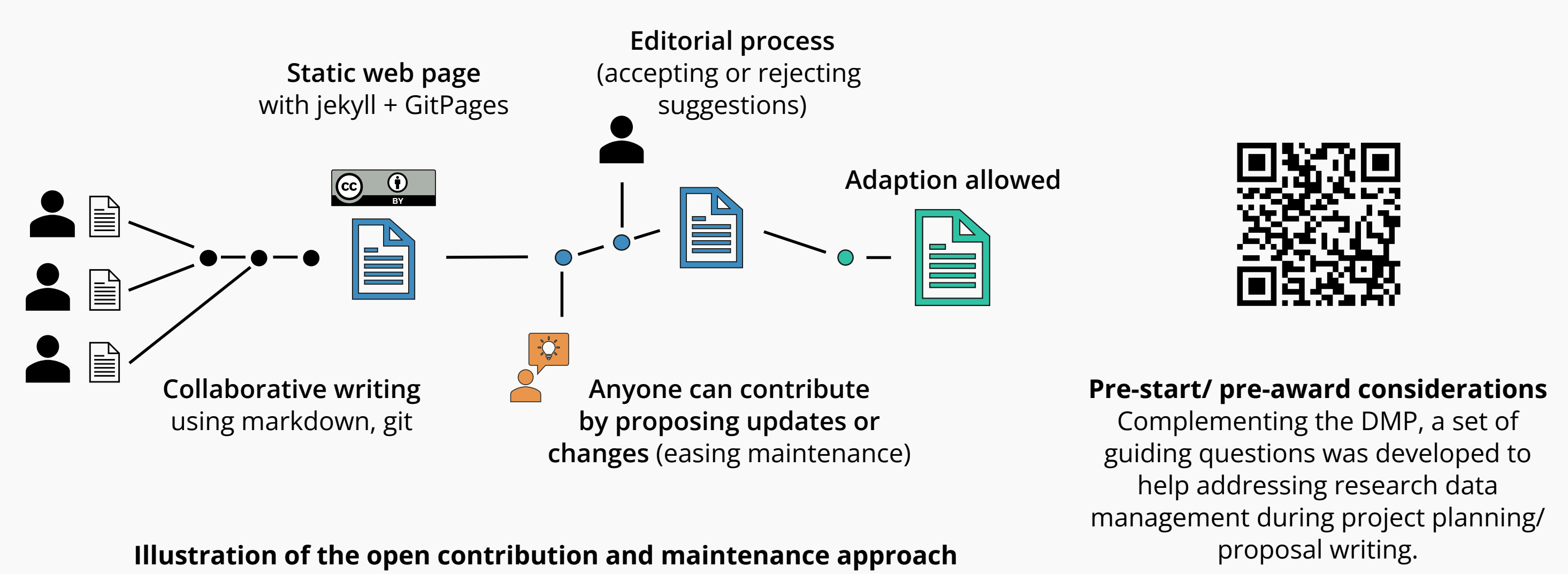


DMP Supporting Information

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.



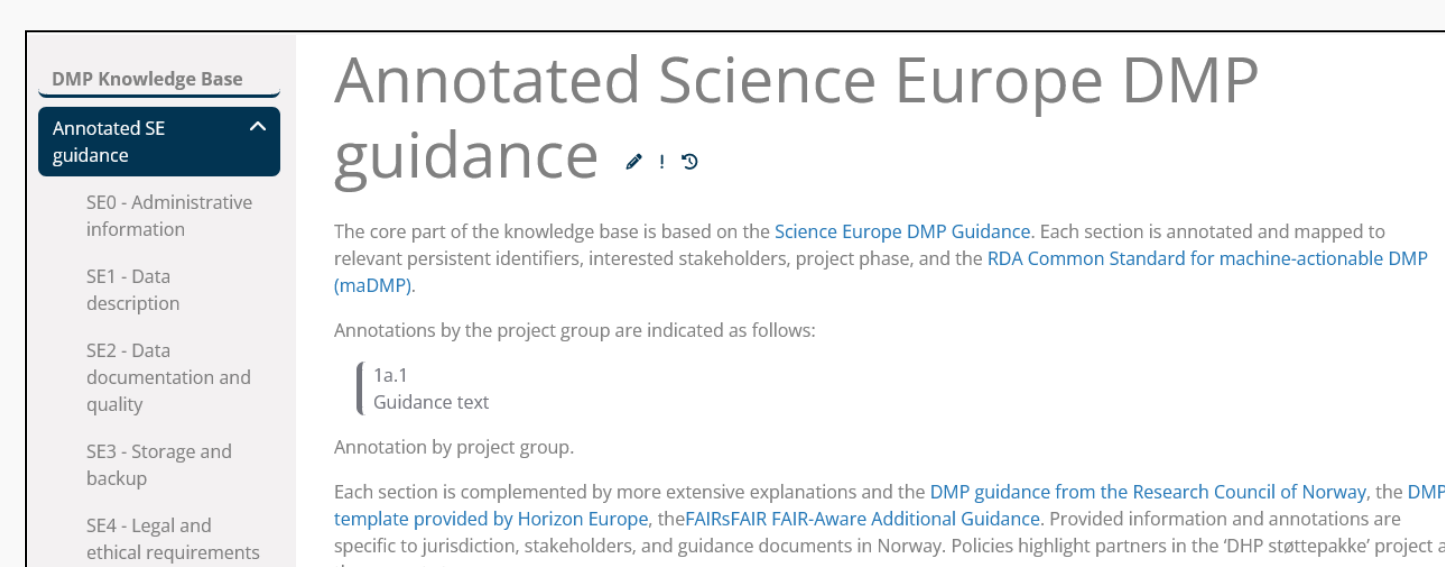
The DMP questionnaire is accompanied by supplementary explanations to each chapter and question, including links to the project partners' institutional guidance and relevant external resources. All text resources were co-created through an open contribution and maintenance approach and are licensed for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



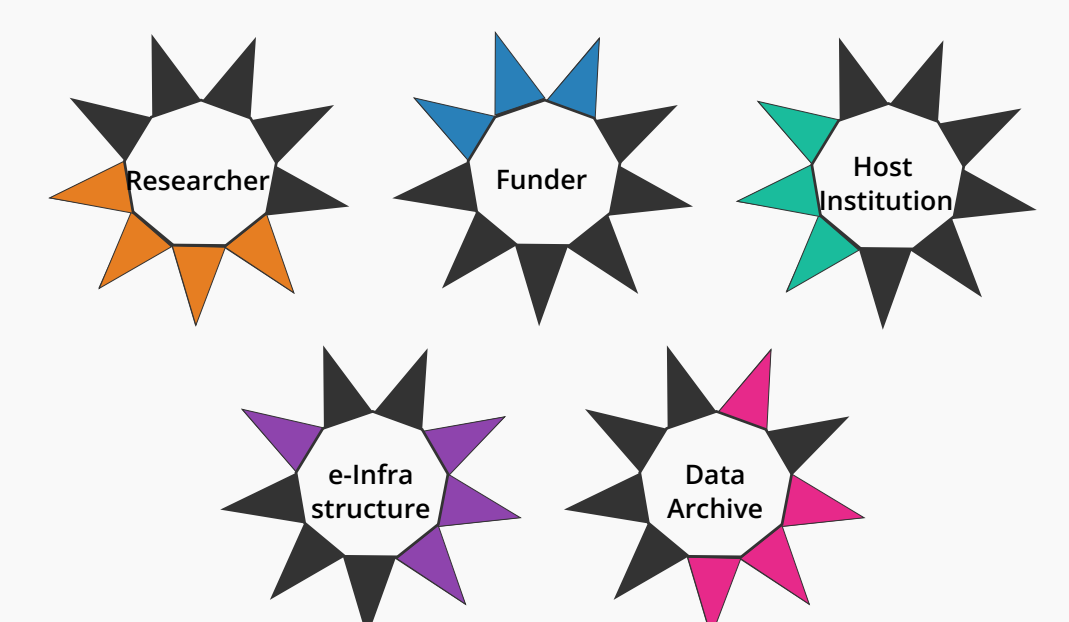
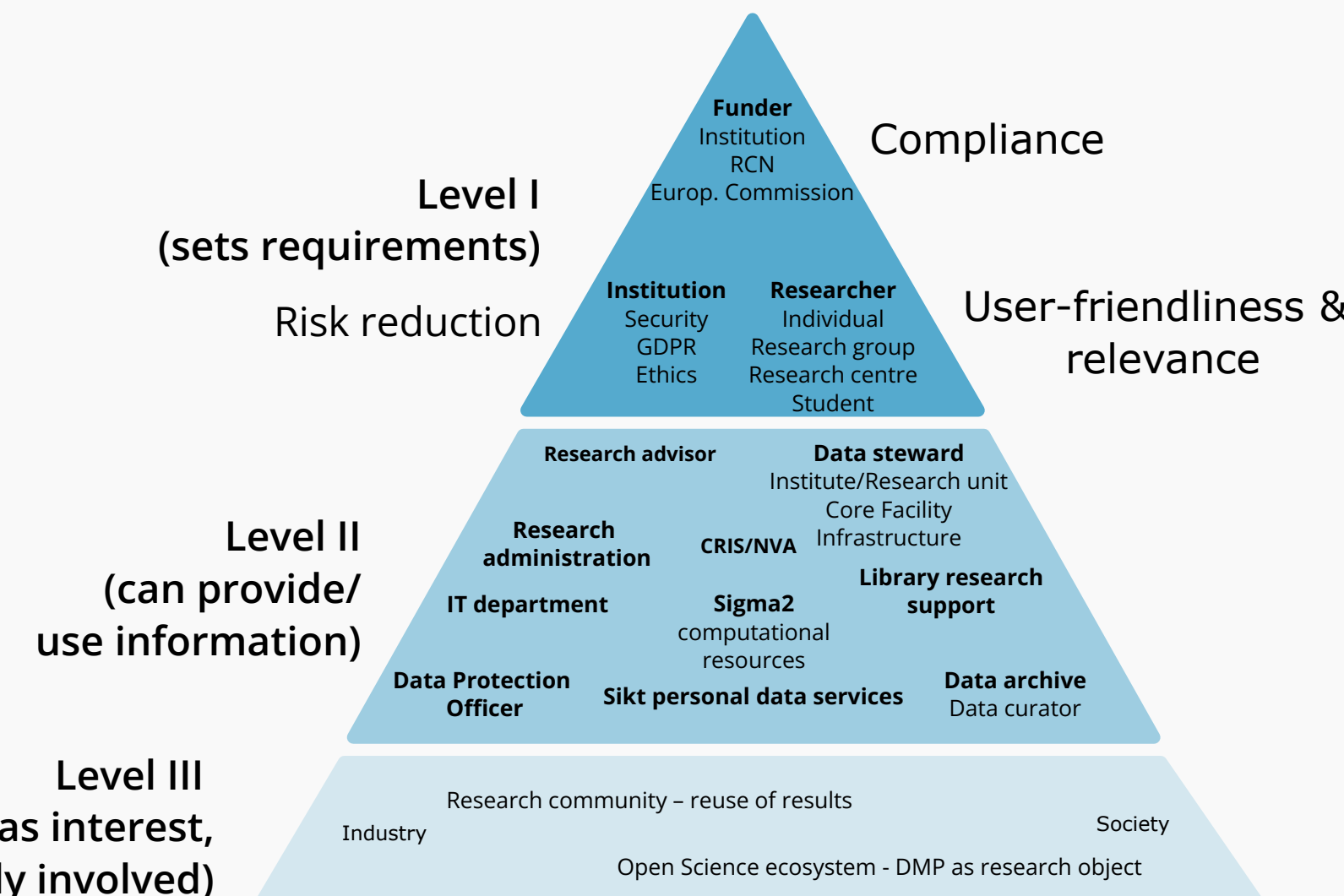
Background knowledge for support personnel



- + Mappings with funder guidance
- + Mappings with maDMP common standard, PIDs, stakeholders
- + Norwegian legislation
- + Existing text resources



Annotation of the Science Europe DMP guidance
 in the Norwegian context including mappings and references to useful existing resources builds the core part of the knowledge base for support personnel. It is complemented by e.g. a FAQ, and sections on DMP requirements and policy documents, RDM terminology (NO-EN).



- Promote transparent research
- Reuse of FAIR data
- Automate service allocation
- Resource planning
- Seamless integration between systems
- Establish good RDM routines
- Avoid data loss
- Overview of project outputs
- Awareness of information security and research ethics
- DMP expectations

DMP stakeholders in Norway and diverging stakeholder expectations
 Mapping of DMP stakeholders that should be considered when designing DMP guidance and templates was part of the project groups' conceptual reflections on DMPs.



Funded by:

