**ZonMw is changing to a new approach for data management**

In the new approach for data management and stewardship (RDM) ZonMw allows researchers to choose a DMP template. ZonMw sets requirements for data management that fit the research programme or call for proposals, and monitors the outcome of it through key items.

**ZonMw requires a DMP**

Researchers who receive a grant from ZonMw, are required to submit a DMP. They are free to choose the DMP template that suits best, as long as it results in verifiable and reusable (FAIR) data. A good option is to use the DMP template and support of their own research institute. At present, ZonMw is making agreements with research institutes to acknowledge their DMP’s and procedures for support. The templates that ZonMw agrees on, will be listed on this website. As an alternative, one can use ZonMw’s DMP template.

**Support for research data management**

Research institutes are in the lead to support researchers and give feedback on their RDM and DMP. ZonMw does not provide feedback on individual DMP’s. ZonMw provides online guidances to specific RDM topics, and in particular about the key items (listed below). It participates in developing new support&guidances, and organizes lectures (upon request). In case you want to point out RDM related issues that need more support, please contact toegangtotdata@zonmw.nl

**ZonMw monitors the outcome of data management**

Researchers need to provide information about the outcome of their efforts for RDM through a number of key items (‘kerngegevens’). ZonMw may publish this information on its website. The key items relate to several aspects of the FAIR principles.

<table>
<thead>
<tr>
<th>The key items / kerngegevens for a dataset (or other digital objects)</th>
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</thead>
<tbody>
<tr>
<td>1. The persistent Identifier (e.g. DOI-code) that refers to the dataset (provide the code)</td>
</tr>
<tr>
<td>2. The digital repository (or data archive), preferably certified, where the dataset is stored (provide the link)</td>
</tr>
<tr>
<td>3. The online catalogue, or web portal where the dataset is registered or indexed and can be found (this may also be the repository) (provide the link)</td>
</tr>
<tr>
<td>4. The terms of use giving the conditions for allowing other researchers to use the dataset (provide the link, or persistent identifier)</td>
</tr>
<tr>
<td>5. The data format of the dataset, preferably machine readable (provide the name)</td>
</tr>
<tr>
<td>6. The terminology (e.g., code, classification, ontology) for the data (provide the name, or link)</td>
</tr>
<tr>
<td>7. A metadata scheme that provides information about (the provenance of) the research data (preferably a scheme that is specific for your research discipline. If not available, use a generic scheme) (provide the link)</td>
</tr>
</tbody>
</table>

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Read more about the key items and guidances to comply with them.

**Tailoring RDM requirements**
ZonMw intends to tailor the monitoring of RDM to the type of research in a programme or call, and to the level of FAIRness that is feasible. Therefore, ZonMw will set requirements for RDM when preparing research programmes and calls, and select the appropriate key items (and later FAIRmetrics) for monitoring the outcome or RDM.

**ZonMw’s reasoning**
- The transition is to meet the challenges of RDM in ZonMw’s research projects, to make RDM of added value for researchers, and to benefit from new tools and procedures for FAIR health data.
- ZonMw stops to give feedback on DMP’s, and puts data stewards at research institutes in the lead for support and feedback on DMP’s, because their expertise is much better expertise than ZonMw’s.
- ZonMw tailors its requirements and monitoring in research programmes to the needs and feasibility in research communities. The purpose is to enhance the efficiency in RDM and allow researchers to engage with it.
- By gathering information from RDM in research projects, ZonMw’s gets insight into the standards and tools that are used. These are clues for ZonMw to stimulate further standardisation (and improve interoperability).

**A gradual process**
The transition to the new approach is a gradual process. The implementation will take place step by step in new funding programmes and calls. ZonMw regards the transition as a joined effort of the funder (ZonMw), research institutes and research infrastructures (RI), for the benefit of the whole research community. Together with these parties, ZonMw aligns and develops procedures and support.

**Future developments at ZonMw**
ZonMw is planning to move eventually from key items to FAIRmetrics for monitoring during and at the end of a project. The FAIRmetrics can be specified to match the research field (‘community challenges’). At the start of each research programme or call for proposals, ZonMw will inform applicants about the selection of FAIRmetrics that will be used.

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