

A large, stylized, light blue leaf pattern is positioned on the left side of the slide, partially overlapping the text area. The pattern consists of overlapping leaf shapes arranged in a circular, symmetrical design.

Science Europe

Voluntary Alignment of Research Data Management Policies in Europe

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Aligning Research Data Management (RDM) Policies

The idea...

- Attempt to reach voluntary alignment among funders in Europe on RDM policies
- This would help researchers as
 - they do not have to reinvent the wheel every time they submit a proposal
 - they do not have to comply with different requirements when dealing with different funders
- Positive side for funders:
 - a structured approach allows funders to better support researchers
 - DMPs become more comparable – funders do not have to assess a variety of differently structured DMPs

Aligning Research Data Management Policies

The approach...

- Science Europe internal survey on RDM policies – results were processed and first drafts developed
- Official launch of initiative of voluntary alignment of RDM Policies was launched during a workshop on 30 January 2018
- Feedback from workshop provided input for amending the drafts
- Open consultation on the drafts in April 2018
- Consultation results were used to ‘fine-tune’ the drafts

Next steps

- 2nd round of consultation on the drafts during summer 2018
- Final documents by November 2018
- First organisations to take up policies as from 2019

Core Requirements for DMPs (Requirements and Guiding Questions)

- ▶ 1. Data description and collection or re-use of existing data
 - What is the type, format and volume of the data?
 - How will data be collected, created or re-used
- ▶ 2. Documentation and data quality
 - What metadata and documentation will accompany data?
 - What data quality control measures do you use?
- ▶ 3. Storage and backup during research process
 - How will data be stored and backed up during the research?
 - How will you take care of data security and personal data protection during the research?
- ▶ 4. Legal and ethical requirements, codes of conduct
 - How will you ensure compliance with legal provisions on e.g. data protection, IPR, copyright and ownership?
 - Which ethical issues and codes of conduct are there and how are they taken into account?
- ▶ 5. Data sharing and long-term preservation
 - How and when will you share data? (consider licenses, data security / protection, possible embargo reasons)
 - How do you select data for preservation and where data will be preserved long-time (e.g. data repository/archive)?
 - What methods are or software tools are needed to access data?
 - How will you make sure that a unique and persistent identifier is applied to each data set (e.g. DOI)?
- ▶ 6. Data management and costs
 - Who will be responsible for data management (i.e. data steward)?
 - What are the financial and other resources and time needed for data management and making data FAIR?

Draft – work in progress

Criteria for Trusted Repositories

- **Provision of a persistent and unique identifier (PID)**
 - Identify the dataset
 - Ensure dataset persistence
 - Enable searching and retrieval of datasets
 - Maintain a repository-managed URI associated with each of those PIDs
 - Keep permanent IDs as “tombstones” even if the data have been retracted
- **Metadata**
 - Ensure dataset persistence
 - Enable finding of datasets
 - Provide publicly available and maintained information even for retracted datasets
- **Data access & Usage licenses**
 - Enable access to the dataset under well-specified conditions
 - Ensure dataset stability
 - Enable retrieval of datasets
 - Provide information about licensing and permissions
- **Machine Accessibility**
 - Enable searching (and preferably retrieval) of datasets by automated processes
 - Ensure that at least intrinsic metadata is accessible in a structured and machine- readable form
- **Long-term Preservation**
 - Ensure persistence of metadata and datasets
 - Explain the long-term preservation policies and plans
 - Guarantee the sustainability of a repository

Draft – work in progress