

# The Importance of Research Data Management for Open Science

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# From data to FAIR data for the benefit of researchers and science

F

- To decrease risk to loss, theft or inappropriate use of data
- To ensure reproducibility

A

- To preserve data now and in the future
- To clarify data ownership
- To help researchers to acquire data management skills and expertise

I

- To facilitate collaborative projects and interdisciplinarity
- To foster the cross-use of various data sets

R

- To promote the development and adoption of standards and technical frameworks
- To increase researcher profile through data dissemination and re-use
- To establish trust
- To save time by avoiding duplication of efforts

# ANR's Open Science Policy

- ANR's open science policy is fully aligned with the French National Open Science Plan
- ANR's open science requirements launched in 2019
  - Scientific publications must be in Open access
  - DMP is mandatory
- **At national level** - a concerted approach with all stakeholders:
  - The French Open Science Committee
  - Other French Funding Agencies
  - The Institute of Scientific and Technical Information (DMP Opidor Tool)
- **At ANR level** - a collaborative approach
  - with all directions and services (open science contact points)

# France adopted Science Europe DMP

- Need for a model adaptable to all disciplines
- Recommendation of the French Committee for Open Science to implement SE DMP template

## **Implementation of the SE template in one year**

- Call texts, Grant Agreements, Funding Regulations
- Communication actions to our grantees (Kick-off meetings, ANR tour, Webinars, leaflets, ...)
- In close partnership with INIST: DMP online tool - OPIDOR for online completion of the ANR's template

**ANR supports European and international alignment efforts for structuring the openness of research data, and is guided by the principle: "as open as possible, as closed as necessary"**

# The new edition of Science Europe Practical Guide to the International Alignment of Research Data Management

- **Core requirements for Data Management Plans**
  - Data description and collection, documentation and data quality, storage and backup during the research process, legal and ethical requirements, codes of conduct
- **Criteria for the Selection on Trustworthy Repositories**
  - Provision of persistent and unique identifiers, metadata, data access and usage licences
- **Guidance for researchers**
  - Translating the core requirements into a DMP template
- **Guidance for reviewers**
  - Data management plan evaluation rubric