Data Management Plans (DMPs)

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Data Management - Now what?
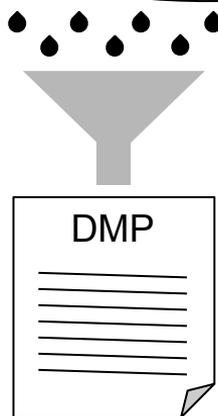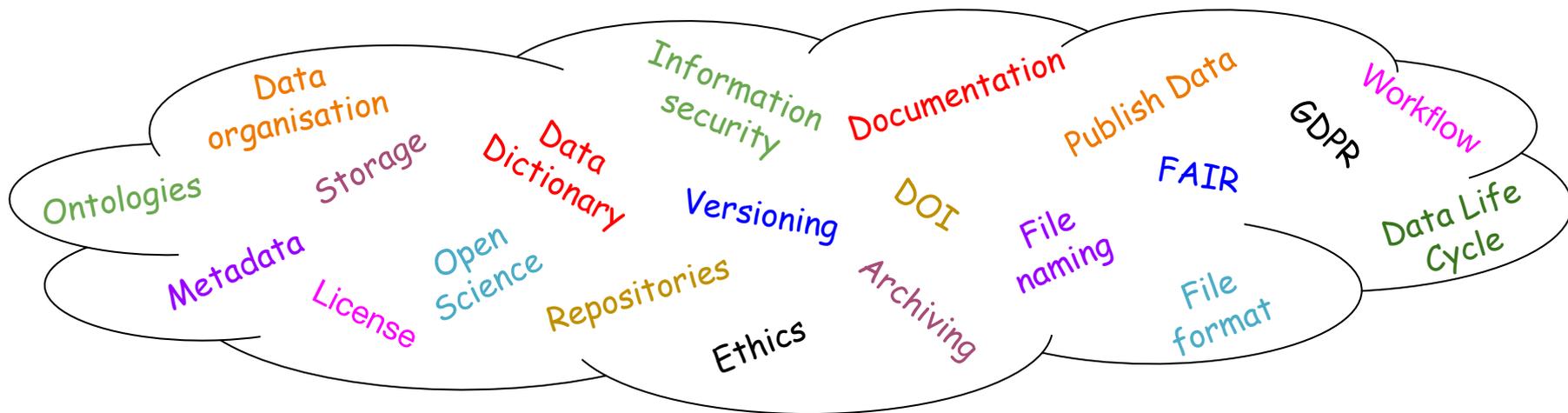
A document **addressing requirements and practices** for managing the project's data, code and documentation throughout the data life cycle

DMP

Data Life Cycle by RDMkit used under CC-BY

Why write a DMP?

- Identify **gaps** in current data management strategies (reduce time spent later on)
- Facilitate collaboration by setting project wide **standards**
- **Cost** estimation
- Clarify **responsibilities**
- Obtain **well-managed** research data (which enables reproducibility and reusability)

- **Requirement** from funders and other stakeholders for reasons of **transparency**, **FAIR**ness, **openness** and **return on investment**

The main parts of a DMP

The **Swedish Research Council**'s template is based on six central aspects identified by Science Europe

1. Description of data
2. Documentation and data quality
3. Storage and backup
4. Legal and ethical aspects
5. Accessibility and long-term storage
6. Responsibility and resources

1 Reuse and production of research data	**1** Types of data, amount/volume and format
2 Data quality assurance procedures	**2** Documentation procedures and standards
3 Storage, security and backup	**4** Legal & ethical and assurance procedures
5 Future reuse and long-term access aspects	**6** Responsibilities and resources required

How write a DMP?

DMP templates:

- ❏ Provided by funding agencies, e.g. [Swedish Research Council](#) and [Science Europe](#)
- ❏ High-level questions, with no guidance on how to answer
- ❏ Tool? Use MS Word?

DMPONLINE

- ❏ Common for universities
- ❏ Good guidance but not Life Science specific
- ❏ Free text answer type

SciLifeLab DSW

- ❏ Life Science specific guidance
- ❏ 'Bite-sized' questions
- ❏ Most questions with answer options

➢ Next, **demo** of [SciLifeLab Data Stewardship Wizard](#)

    ○ Walk-through of the main parts of the [DMP user guide](#)

➢ **Questions** so far?