A research data management plan

Dasapta Erwin Irawan, R. Willem Vervoort & Gene Melzack

19 January 2018

Research data management plans

What we have learned so far:

- Increasing data and methods publishing can really move science forward
  - It will help you as a researcher (you can find data and use methods easier)
  - It will help the whole science community
  - It might resolve some of the issues around peer review and costs of publishing
- Good meta data are the key for data re-use and discovery
- Writing meta data is quite a job, especially after the fact
- We need to develop strategies and methods to tackle this when we start!
- **Research data management plans**

What are the main components of a research data management plan?

Unsurprisingly: **Metadata**

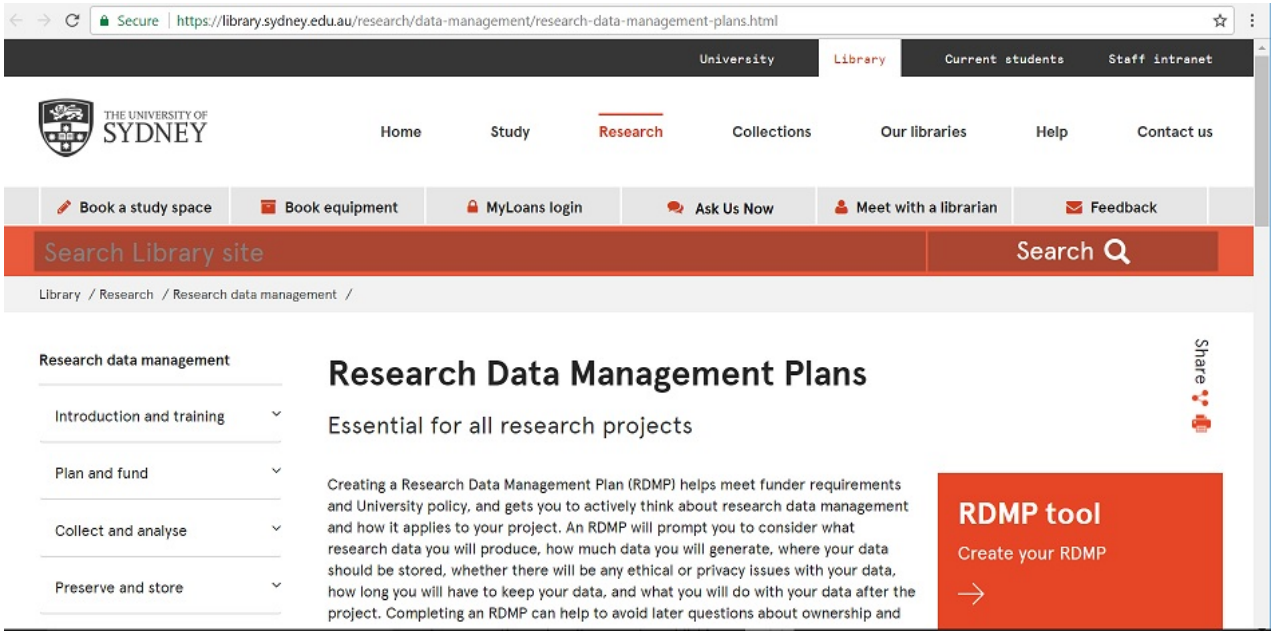
- Who are involved (who owns the data): Administration and data ownership
- How you collect the data: Data collection
- How you consistently describe the data content: Data documentation
- Where you store the data and how you store the data (format and file structure): Data storage and data documentation
- How you plan to curate the data (where is the long-term home of the data): Data storage

Schematic of a research data management plan

https://dmponline.dcc.ac.uk

The University of Sydney

- The University of Sydney Research Data Management Plan



- The RDMP at USYD is currently being revised to be more focussed on the actual research data management
- A living document, a “readme.txt” for the project.

Examples of research data management plans

- Best practice dataone.org: Go through website
- Simple Research Data Management Plan: Tier Protocol
- Choosing the right keywords for your project and data is crucial
- For the research data management plan: this is the source
  - feeds into all the further “downstream” metadata