

# Data Management Plan (DMP) Primer

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# Example of DMP Requirement (National Science Foundation)

- *Plans for data management and sharing of the products of research. Proposals must include a document of **no more than two pages** uploaded under “Data Management Plan” in the supplementary documentation section of FastLane. This supplementary document should describe how the proposal will conform to NSF policy on the dissemination and sharing of research results (see Chapter XI.D.4), and may include:  
1. the types of data, samples, physical collections, software, curriculum materials, and other materials to be produced in the course of the project;*
- **Find the requirement(s) relevant to you!**

# Elements of a Data Management Plan

1. Types/Kinds of Data etc.
2. Standards
3. Policies
4. Re-use
5. Preservation

# 1. Types/Kinds of Data etc.

- Describe types of:
  - Data
  - Samples
  - Physical collections
  - Software, Curriculum materials
  - Other materials produced

## 2. Standards

- Standards to be used:
  - Data
  - Metadata
    - (format and content)
  - Document and remedy where no standards exist

# Example

- Google search:
  - “data standards for seismic data”
    - e.g. <https://www.epos-ip.org>
    - e.g. <http://www.isc.ac.uk/standards/> (Seismic)
- Google search:
  - “data standards for permafrost data”
    - e.g. <https://gtnp.arcticportal.org/help/15-data/database/30-gtn-p-standards>

## 3. Policies

- Access (e.g. repository)
- Sharing, including
  - Provisions for appropriate protection of privacy
  - Confidentiality
  - Security
  - Intellectual property
  - other rights or requirements
- e.g. <https://gtnp.arcticportal.org/data/data-policies>

## 4. Re-use

- Policies and provisions for:
  - Re-use
  - Re-distribution
  - Production of derivatives



## 5. Preservation

- Plans for archiving:
  - Data
  - Samples
  - Other research products
  - Preservation of access to them (e.g. repository).