

## Current situation with regards to data management in PARTHENOS and CLARIN

### PARTHENOS

- No common data management practices in the humanities
- Disciplines represented in PARTHENOS:
  - different history WRT data management
  - Some: archiving experience for objects and artefacts but less with digital born data (e.g. archaeology)
  - Some with long standing digital traditions
- completely new to the field of data management

### CLARIN

- disciplines dealing with all forms of language and text data
- established research infrastructure
- long background in the handling (use, sustainably maintain, provide) of data
- no overarching, fixed policy concerning the management
- CLARIN centres operating repositories

### CLARIN policies

- Assessment procedure
- Core Trust Seal application
  - technical infrastructures
  - organisational requirements
  - Individual centres:
    - depositing agreements
    - data management services
    - handbooks and documents
- not yet recommended centralised data policies

### Common goal of CLARIN and PARTHENOS

- design of data management plan templates
- based on existing DMPs
- discipline independent
- Including DMP requirements of research funders.

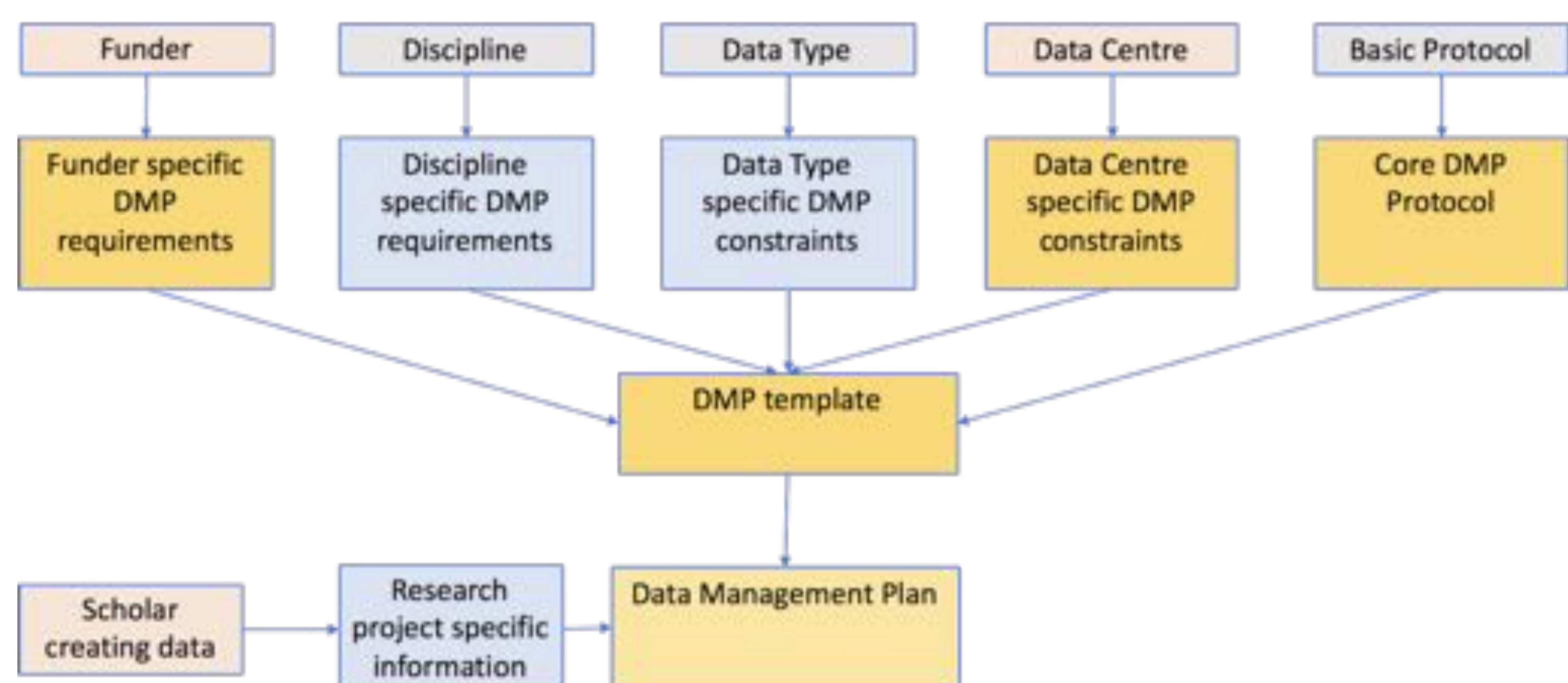
### Data policies implementation

### CLARIN services based on FAIR

- Findable: the VLO and FCS
- Accessible:
  - resolvable PIDs even if access is restricted
  - Identity Provider and Shibboleth architecture
  - Interoperability: utilization of standards such as the
  - ISO TC 37 SC 4 endorsed standards
  - TEI
  - Language Resource Switchboard
- Interoperability and Reusability implications within CLARIN
  - addressed by technology,
  - policies (licence recommendations)
  - legal restrictions (IPR, third party rights)
  - infrastructure components etc. Re-usability has the additional requirement that researchers are also allowed to reuse data and have access to the tools to do this. These policies and decisions need to be documented for data to become interoperable and reusable.

## Abstraction for Data Management Plans: Data Management Protocols

- Similarities between data management plans
  - reuse of parts
  - Similar elements
  - Differences in organization
  - Differences in terms
- Abstraction layer: Data Management Protocol
  - Template for the creation of DMP templates
  - Used by
  - Funders
  - Data centres
- Respects specific requirements of
  - funder
  - discipline
  - data type
  - data centre
- Part of a system generating data management plans for concrete research project
  - within a discipline and
  - with a specific type of data
  - utilizing a specific data centre and
  - tailored to the project reviewing needs of a funder.
- Synchronized with the Science Europe Guidance Document "Presenting a Framework for Discipline-specific Research Data Management" of January 2018



## CLARIN implementation of the DMP Protocol using CMDI

**F**indable

**A**ccessible

**I**nteroperable

**R**eusable

### DMP implementation

- Funders requirements
  - No specific requirements
  - Detailed templates (e.g. HORIZON 2020)
- Generalizable tools:
  - DMPonline (Data Curation Centre, Edinburgh)
  - DMPTY (CLARIN-D)
- No usable unification of all DMP templates available