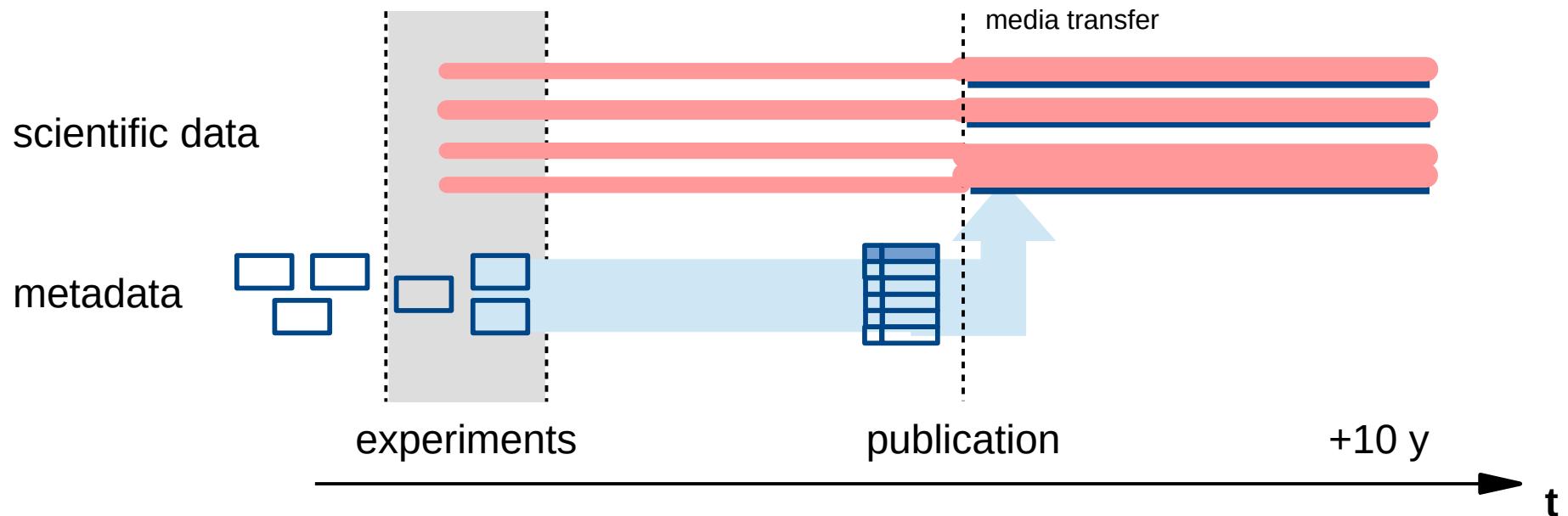


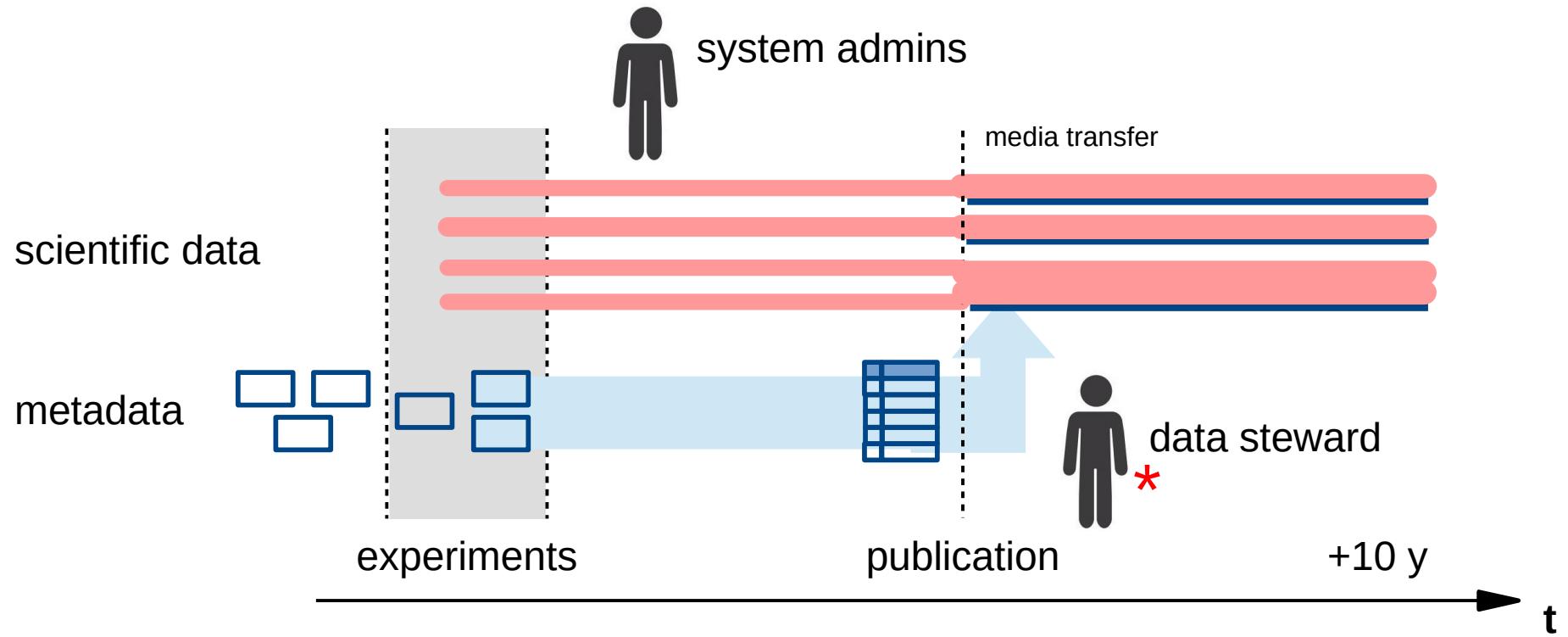
MOPED – Management of Primary Research Data



Stewardships for Primary Research Data Management



- Guidelines of research funding agencies (WGL, EU, BMBF)
- FAIR principles: Findable, Accessible, Interoperable, Re-usable



Structural concept for Res Data infrastructure

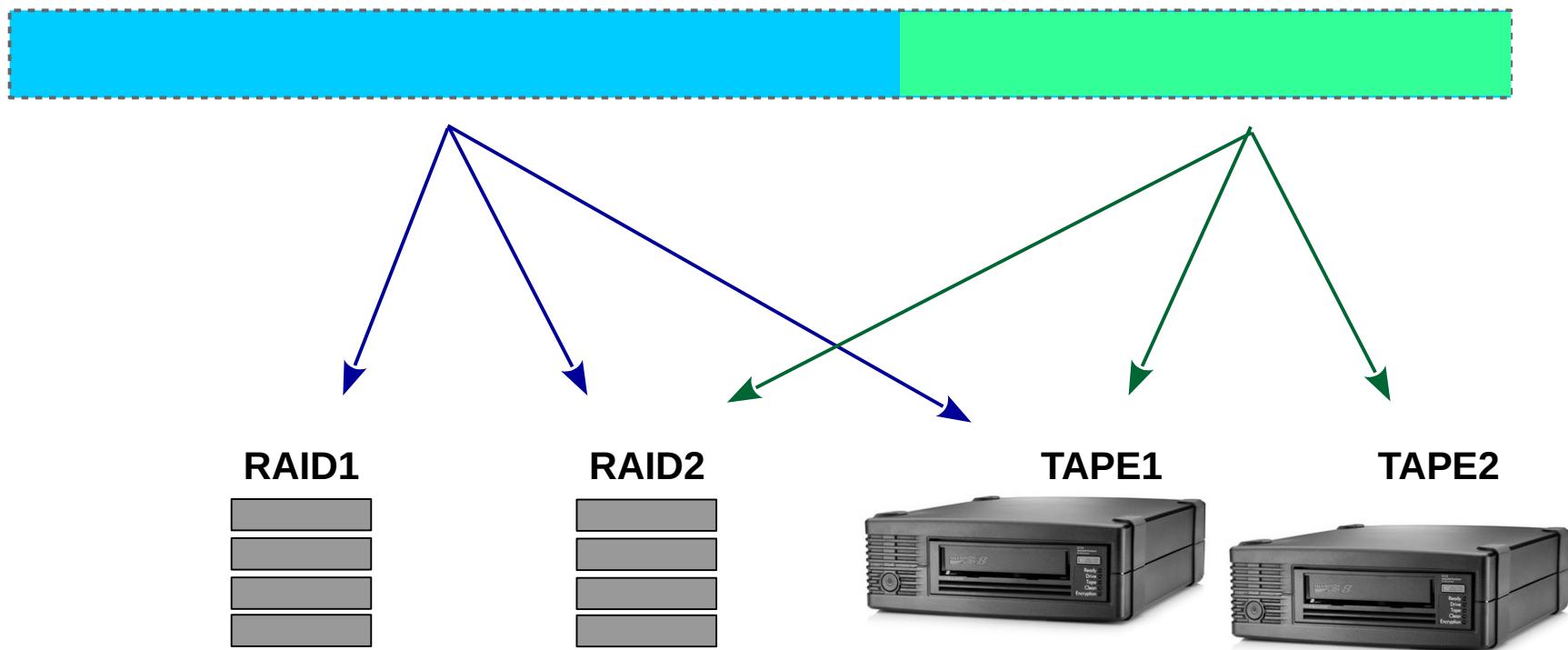
- Submission portal for primary data (measurements) and associated metadata (description of the experiment)
persistent data identifier (address) enabling robust linking (e.g. in ELN)
- persistent storage of data (WORM)
10 y archiving following publication
- regular tests on re-usability of data formats
- Interface to a service for optional data publication
- Retrieval portal with configured access permissions

Fulfilment of FAIR principles:

- presentation layer, via meta data, makes data **Findable**
- data is **Accessible**, through configurable rights
- data in a persistently supported format, if possible – so, it's **Re-usable**

Hierarchical Storage Management (HSM)

file system layer (virtual)



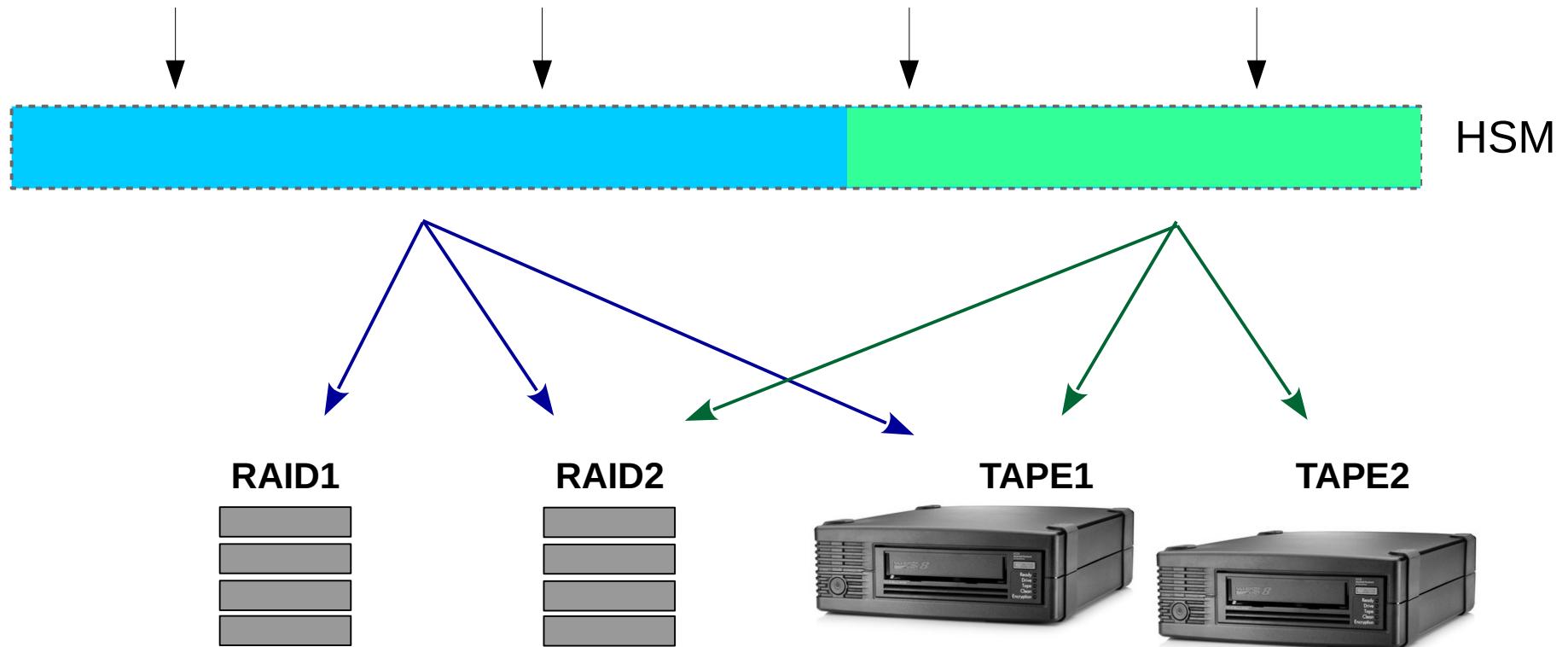
Features:

- Abgleich gespiegelter Dateninstanzen und gegebenenfalls Korrektur
- Unterstützung für georedundante Speicherung
- Nutzerbezogene Zugriffsberechtigungen bei Speichern, Suchen und Auslesen der Daten

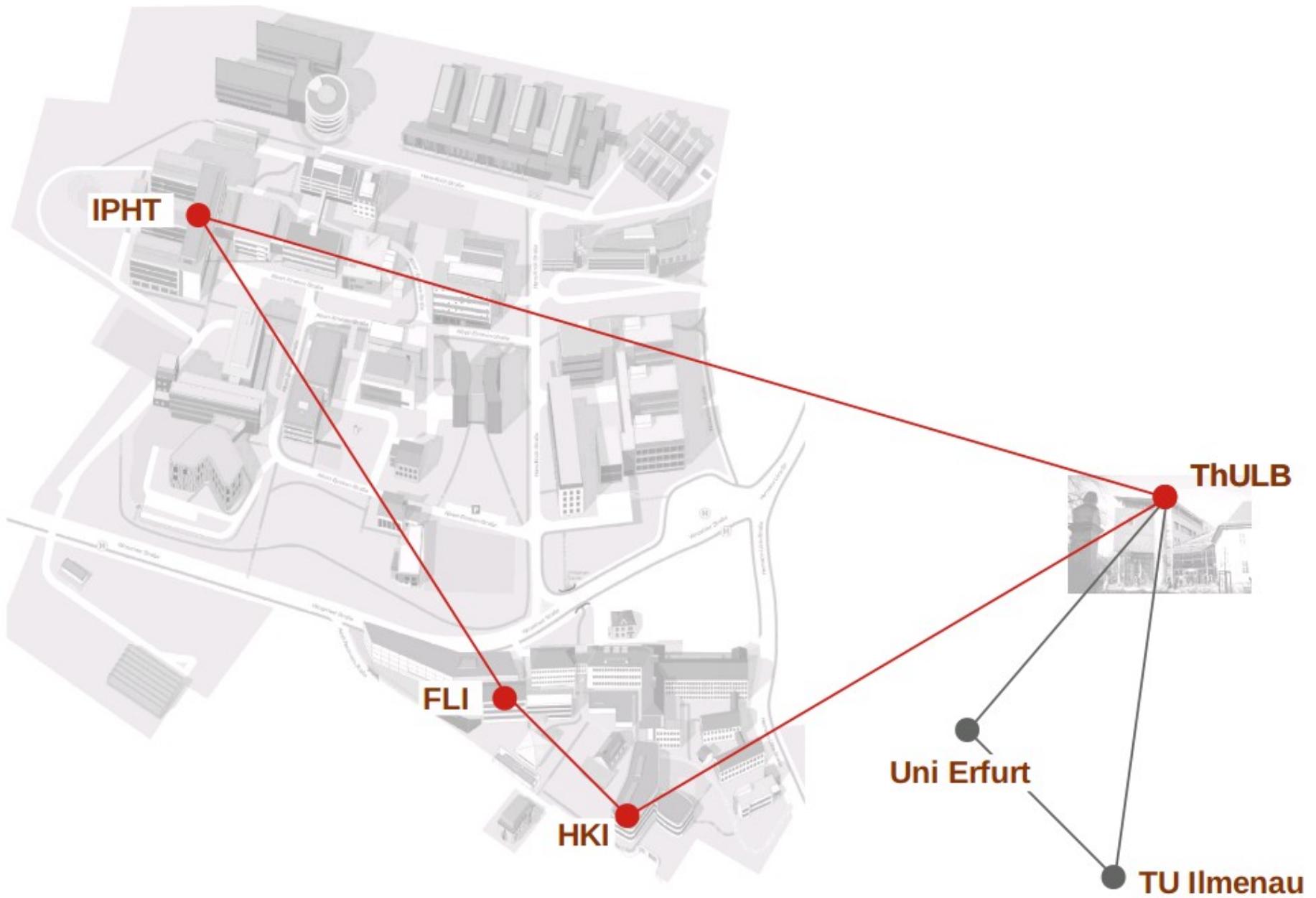
Integrated Rule-Oriented Data System (iRODS)

Rule engine

- management of metadata
- content checks
- distribution of data

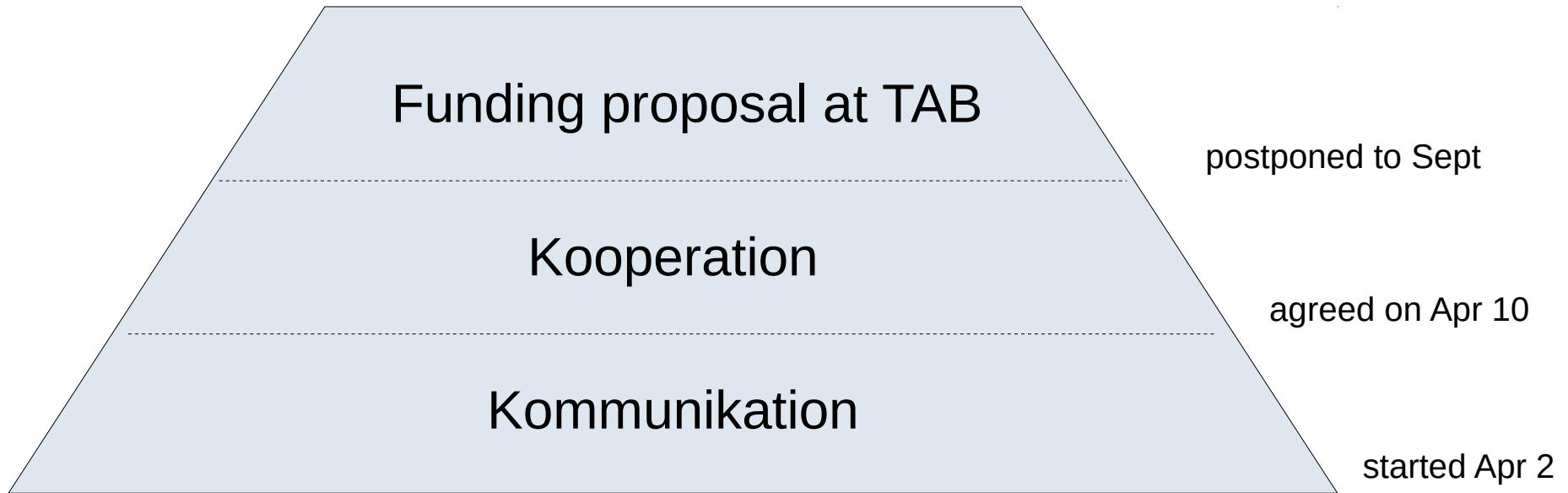


Verbund Forschungsdaten Leibniz-Beutenberg



Ideas: Network Research Data Beutenberg

IPHT, HKI, FLI



Companies:

- contac (Ilmenau), data management
- D.I.E.P (Leipzig), project management