Metadata generation, enrichment and linkage across the three domains health, environment and earth observation

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HMC Project Welcome Meeting, 13.04.2021
What is our project about?

• Generation and enrichment of interoperable metadata for exemplary data of our three domains
  • Health (HMGU)
  • Earth & Environment (UFZ)
  • Aeronautics, Space & Transport (DLR)

• Compilation of machine-readable metadata schemes in a standard suitable for HMC

• Mapping of these schemes so that they can be jointly queried, searched and integrated into HMC
What do we plan?

**WP2: Conceptual design for the mapping of the metadata schemes**

- **Earth & Environment (UFZ)**
- **Space & Transport (DLR)**
- **Health (HMGU)**

Standardized metadata generation and enrichment
What do we plan?

WP2: Conceptual design for the mapping of the metadata schemes

- Earth & Environment (UFZ)
- Space & Transport (DLR)
- Health (HMGU)

Standardized metadata generation and enrichment

- Metadata XY
- Metadata YZ
- Metadata GINI/LISA

Metadata browsing and mapping

WP3: Standardized metadata generation and proof of concept
What do we plan?

WP1: Coordination, management and results integration

WP2: Conceptual design for the mapping of the metadata schemes

WP3: Standardized metadata generation and proof of concept

Ensure compatibility with NFDI, EOSC and HMC
Where is the linkage to HMC?

**WP1:** Coordination, management and results integration

**WP2:** Conceptual design for the mapping of the metadata schemes

**WP3:** Standardized metadata generation and proof of concept

**HMC**

Close collaboration with HMC hubs

- Health
- Earth & Environment
- Aeronautics, Space & Transport

Integration into HMC framework FAIR Data Commons

Ensure compatibility with NFDI, EOSC and HMC
How can HMC support us?

• Joint platform for exchange of ideas, concepts, schemes, ontologies …

• Support in registration of data types to establish FAIR Digital Objects (ePIC Data Type Registry)

• Support the compilation of vocabularies (vocabulary registry) to link our schemes to NFDI (National Research Data Infrastructure), EOSC (European Open Science Cloud) and other large-scale infrastructures

• Support in the integration of HMC components (e.g. metastore and metadata standards catalog) for mapping and reporting
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