







Helmholtz Metadata Collaboration (HMC) –FAIR Metadata for Energy

Wolfgang Süß¹, Jan Schweikert¹, Karl-Uwe Stucky¹, Mohamed Anis Koubaa¹, Leon Steinmeier², Felix Ballani², Carsten Hoyer-Klick³

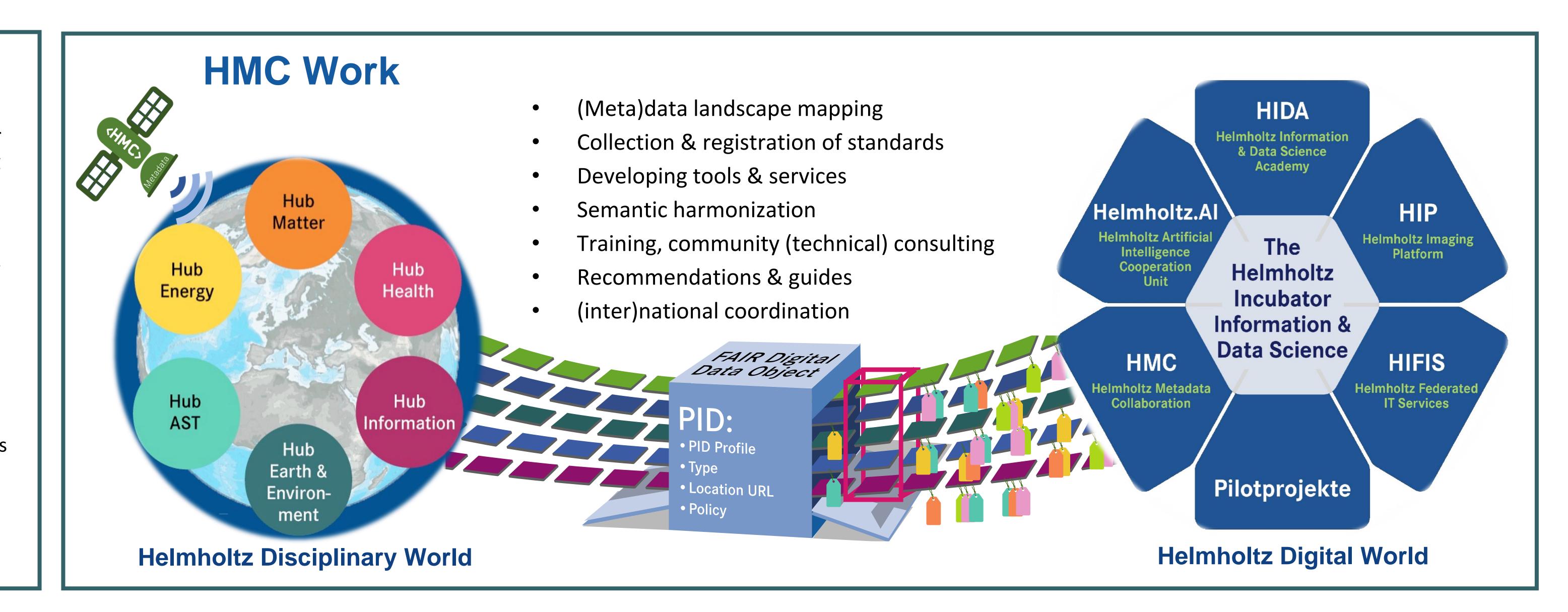
- ¹ Karlsruhe Institute of Technology
- ² Helmholtz Zentrum Dresden-Rossendorf
- ³ German Aerospace Center

HMC Mission

The Helmholtz Metadata Collaboration (HMC) supports researchers in their efforts to annotate their research data with structured Metadata according to the FAIR principles.

Metadata - or "data about data" enables long term discoverability and accessibility of data and further makes data interoperable and ready for reuse by humans and machine agents in the fields of big data analytics, machine learning and computer simulation. This guarantees impact and sustained value of research efforts. Importantly, HMC is a broad and long term funded platform with units anchored in all scientific domains of the Helmholtz Association.

This allows developing and establishing sustainable tools, services, concepts and best practices towards enriching research data with metadata, as well as coordinating such services across the Helmholtz association and within the national and international scientific communities.



Hub Energy: Participants

Karlsruhe Institute of Technology

- Dr. Wolfgang Süß (Coordinator)
- Mohamed Anis Koubaa
- Jan Schweikert
- Dr. Karl-Uwe Stucky

Helmholtz-Zentrum Dresden-Rossendorf

- Prof. Dr. Gerald van den Boogaart
- Dr. Felix Ballani
- Leon Steinmeier



German Aerospace Center

Carsten Hoyer-Klick

Contact:

Dr. Wolfgang Süß

Email: wolfgang.suess@kit.edu

Tel. +49 721 60825722 www.helmholtz-metadata.de

HMC Organization Bridge tech and practice, i.e. science community demands and current RDM implementation scenarios. Metadata Hubs provide Community contact, scientific expertise, training, technologies Community . FAIR Data Commons provide technical services and FAIRification HMC Manage ment . HMC Community Projects <HMC> provide community interaction and practical use cases

Main Challenges

- > Strong community involvement to speed up implementation
- Rapid development of example tools and data methods as proof-ofconcepts
- Implementing a transparent provenance track of data products demonstrating their Helmholtz origin to funders