# The Helmholtz Metadata Collaboration – **CHMC>** Addressing the Metadata Problem

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## The HMC Mission

Metadata – or 'data about data' – is arguably one of the most powerful tools available in scholarly communications. Good metadata enables discoverability and access, and (potentially) eliminates errors.

The mission of the Helmholtz Metadata Collaboration (HMC) is to find, access, machine evaluate and reuse research data from the Helmholtz Association for advanced methods of data processing. Such methods could be computer modeling, machine learning techniques, big data analytics and others. To achieve this, concepts and services are being developed and established, enabling the enrichment of research data during the various phases of their creation by means of a suitable, standard-compliant description with metadata. HMC will coordinate and share these services across the Helmholtz association, but also with the national and international scientific community. The purpose is to establish widely accepted common procedures for the handling of research data.



### Tasks

- 1. Establish **domain specific hubs** for each research field, determine demands by researchers and provide practical advice with use of available tools and (infra-) structures within the domains.
- 2. Provide standards, best practices, processes and tools for researchers
- 3. Development of general centralized and decentralized metadata services..
- 4. Provide education and training to establish workflows and use infrastructures.



#### Helmholtz Disciplinary World

#### How to get started with the mapping



# Why use FAIR Digital Objects?

"FAIR Digital Objects are a type of Digital Objects (DOs) following FAIR principles. FDOs may represent data, software or other research resources. These digital objects must be accompanied by persistent identifiers, (rich) metadata along with contextual (metadata) documentation to enable discovery, citation and reuse." (from the RDA Term Definition Tool @ https://smw-rda.esc.rzg.mpg.de)

#### Helmholtz Digital World

Learn more, contribute to implementation:

For more developments on FAIR Digital Objects **join the BOF** session "Creating an RDA Interest Group on FAIR Digital Objects" at the RDA Plenary 15. on Wednesday March 18.

See compiled FDO Information here:

https://www.rd-alliance.org/bof-session-creating-rdainterest-group-fair-digital-objects

Scan code for URL:



HELMHOLTZ

**COLLABORATION** 

**METADATA** 

GEOMAR



# How can YOU participate?

**Collaborate with us to submit your Metadata project to an upcoming HMC Projects Call.** HMC plans to publish project calls to fund initiatives in-line with its goals. Project examples are i.e.

- practical solutions or use cases in the context of metadata, e.g. specific tools or workflows
- Solutions with an operational value for the HMC service portfolio
- Start-up projects to **launch larger initiatives** within a certain scientific community. We expect to publish two calls per year, with a funding period of up to 24 months.



