Introduction to the HMC Project Call 2022

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05.05.2022 | Information Event HMC Project Call 2022

Please attribute the Helmholtz Metadata Collaboration with a link to https://helmholtz-metadata.de

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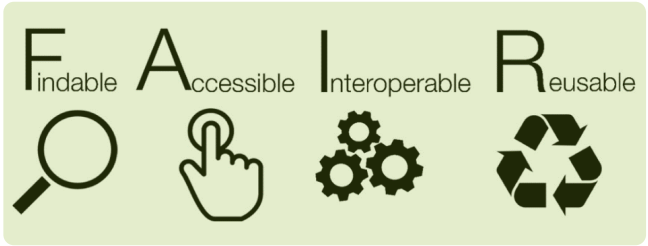
HMC Call 2022: Goals and Objectives

- Practical challenges in the **field of metadata generation and data enrichment**
- Call aims at funding promising collaborative projects with the potential with the potential to **add new knowledge and solutions to the wider HMC framework** at the end of the project's lifetime



- An HMC project addresses one or more of these **overarching goals**:
  - further **metadata generation with interoperable metadata standards, vocabularies and/or ontologies**
  - **adopt or develop tools for data enrichment**, e.g. automated metadata generation for recording dataset descriptions and workflows
  - adopt or develop tools to further **metadata quality assessment and metadata curation**
  - promote **interdisciplinary collaboration** between metadata experts and domain scientists, collaborations between Helmholtz research fields are encouraged

- **Turning FAIR into reality* on all levels to enable reuse of data**

** From: Turning FAIR into Reality, Final Report and Action Plan from the European Commission Expert Group on FAIR Data , doi: 10.2777/1524*

HMC Call 2022: Key areas

HMC welcomes proposals in **all areas relevant to Metadata**. The following list exemplifies key areas of particular interest to HMC (in no particular order):

- Novel strategies for the automatic generation, or exchange of metadata. Suggestions for use cases include:
  - Machine interfaces for repository ingest/exchange.
  - Keeping (meta)data alive from orphaned data, for example in case of decommissioned infrastructure, or retiring staff.
  - Exposure of metadata and harvesting from pre-existing data sources for example machine actionable data management plans, workflow tools, or instruments.
- The innovative integration and/or application of persistent identifiers (PIDs) in diverse contexts. This could include:
  - Integration of PIDs in the research workflow, for example samples/specimens.
  - Automatic generation of PID graphs.
  - The application of FAIR Digital Objects (FDOs).
  - Reuse of data enabled by Research Object (RO) crates.
- Approaches to achieve metadata interoperability. Potential topics include:
  - Interfaces between metadata generating tools, for example electronic lab notebooks.
  - Crosswalks between metadata schemata, ontologies, or other semantic artefacts.
  - Agile approaches to the development, extension, or alteration of existing schemata Please refer to chapter 12 (glossary) for definitions.

HMC Project Call 2022 – most important formal regulations

- **Framework conditions of the call 2022**
  - open 20.04-06.07.2022
  - project partners: 2 Helmholtz centres min. (or 2 AST programmes respectively), external partners possible
    - Please note the regulations on applicants (chapter 4.e)
  - project duration: 2 years max.
  - budget: max 200k€ INF + in-house matching
    - Staff, travel expenses, consumables are eligible for funding
    - Investments and overhead are excluded
    - Max. 70% of the INF funding can be assigned to one Helmholtz Centre

- In **total 1.2 M€ by INF**– involved centres need to co-finance projects by at least 50%

HELMHOLTZ

Research for grand challenges.

HELMHOLTZ METADATA COLLABORATION (HMC)

Project Call 2022

Funded by the Initiative and Networking Fund (INF)

1. Background

The Helmholtz Metadata Collaboration (HMC) develops and implements concepts and technologies to leverage high-quality metadata for research data across research fields and their communities. Its main goal is to make the vast amount of diverse research data produced by Helmholtz Centres findable, accessible, interoperable and reusable (FAIR). HMC liaises closely with the National Research Data Infrastructure (NFDI) and its European counterpart EOSC.
HMC is a cornerstone in the exploitation of Helmholtz' data treasures. Enabling FAIR data across the association unlocks the potential of the diverse datasets and enables new and innovative science across all research fields. One essential component of HMC is the funding of projects that initiate and underpin the growing metadata network within the Helmholtz Association. These projects should initiate new developments, extend existing solutions for the usage in the HMC context, expand the HMC network, and enable new cross-discipline collaborations.

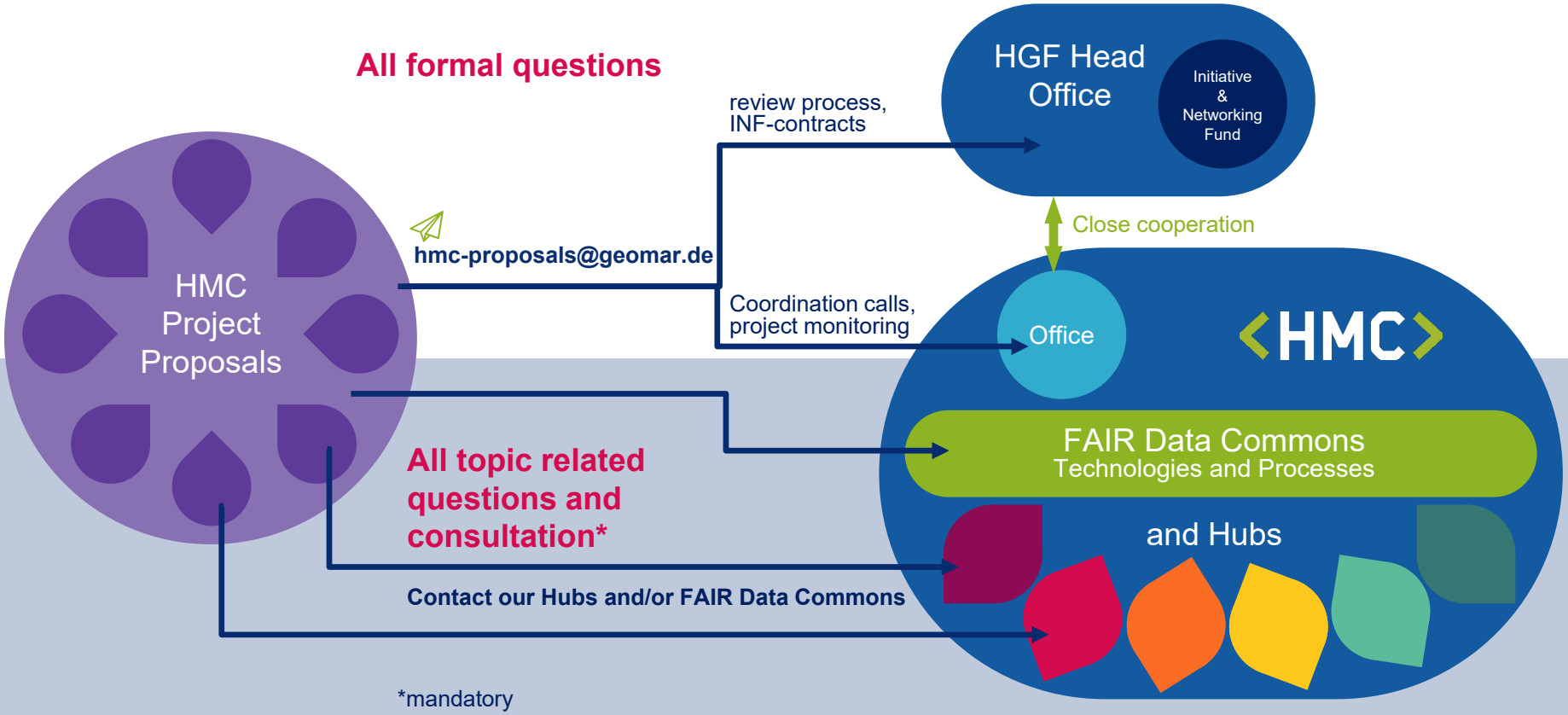
2. Objectives

The objective of this Call for HMC Projects is to initiate and facilitate activities that address practical challenges in the **field of metadata generation and data enrichment**. The call aims at funding promising collaborative projects with the potential to add new knowledge and solutions to the wider HMC framework at the end of the project's lifetime.

Hence, first practical results and promising prototypes are expected in Q1/Q2 of 2024, i.e. one year after the funding starts. The results shall underpin and stimulate the growing HMC network. As part of this, results shall be presented at an HMC conference in 2024. To ensure the project's link to HMC, all applicants must contact at least one HMC Metadata hub and/or the technology unit FAIR Data Commons when considering a proposal submission (see below for contacts and formal regulations).

Helmholtz Metadata Collaboration – Project Call 2022 1
Publication date: 20.04.2022

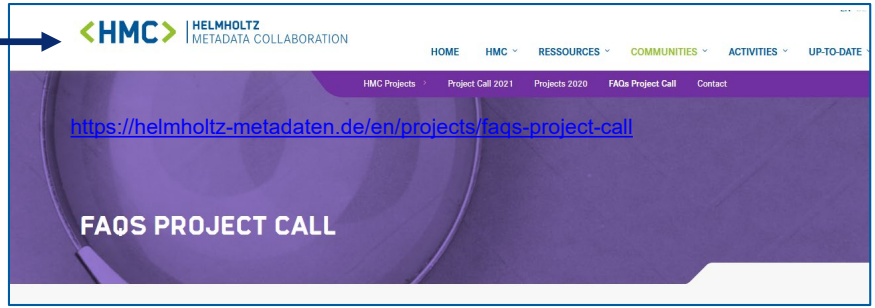
Support during application phase and beyond



Support during application phase and beyond

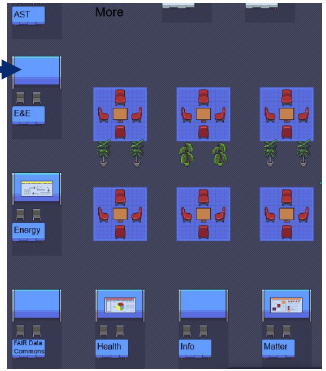
FAQs

Website

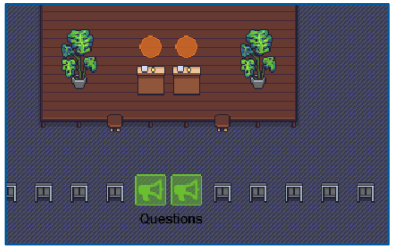


HMC Project Proposals

Meet HMC representatives today and stay in touch
Open Consulting Hours:
02.06./08.06./17.06.

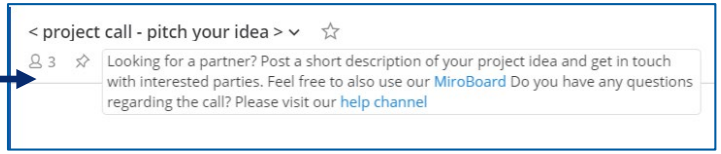


Pitch your project idea



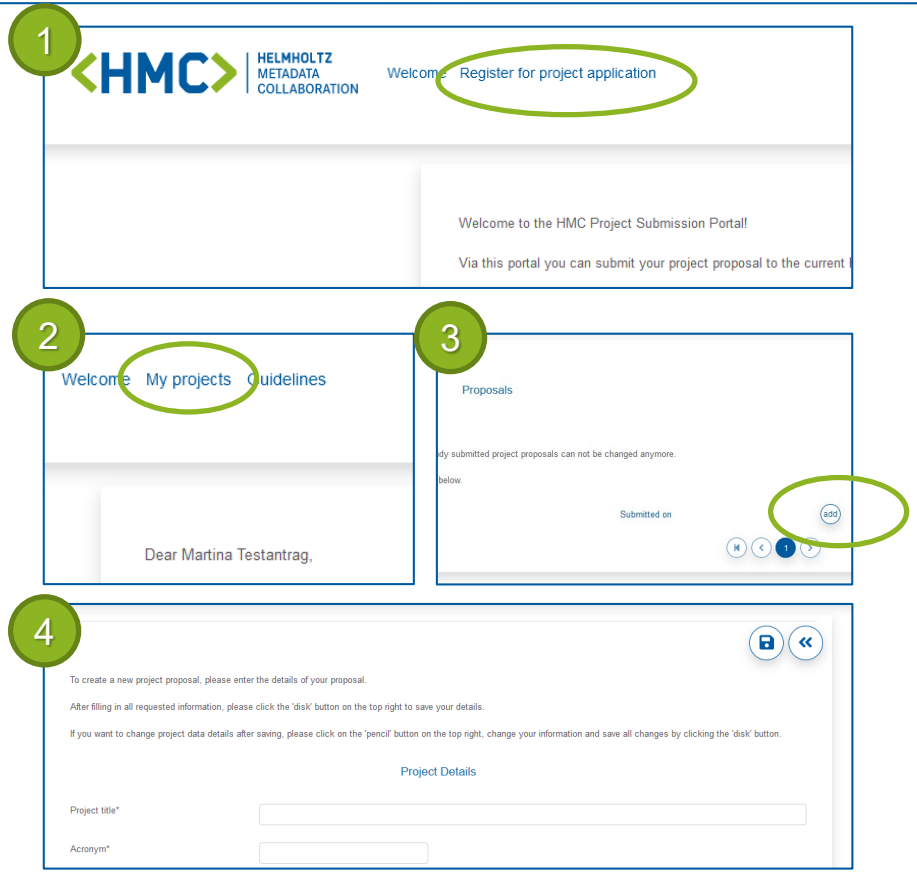
Find project partners through Mattermost and today‘s pitches

Mattermost



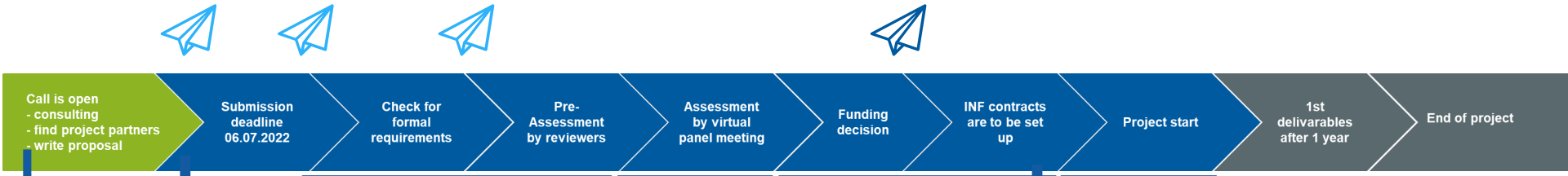
Looking for a partner? Post a short description of your project idea and get in touch with interested parties. Feel free to also use our MiroBoard Do you have any questions regarding the call? Please visit our help channel

HMC Project Call 2021 – Submission Process



https://proposals.helmholtz-metadaten.de/

Timeline



https://proposals.helmholtz-metadaten.de/

According to the INF processes approved **funds are disbursed to the coordinating centre**, distribution to the partners is self-organised

Questions or need help finding project partners?
HMC supports you!
- Today‘s Information Event
- Consulting by Hubs
- Hmc-proposals@geomar.de
- FAQs

HMC Office

HGF Head Office

Any questions?

Hmc-proposals@geomar.de

and/or

get in contact with your Metadata Hub/ FAIR Data Commons

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