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Communicating across disciplines:

a community effort for glossary in electron microscopy and NeXus

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HZB Helmholtz Zentrum Berlin

NOV CONT





www.helmholtz-metadata.de





- make research Data FAIR findable, accessible, interoperable and reusable
- we work across scientific boundaries to provide comprehensive and sustainable services, consulting, information and tools for efficient metadata handling.
- we are located at 6 different locations in the Helmholtz Network and collaborate closely with NFDIs and Helmholtz external institutions
- Turning FAIR into reality* on all levels to enable reuse of data
- Develop HMC as a research infrastructure platform!

CHMC>



having fun vs. having the craic





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Interoperability





The potential for two independent agents to work on the same data in a coordinated manner.







continuous development

continuous community development include user needs into further development

ensure maintenance update technical specs between releases

encourage (re-) use engage relevant projects & stakeholders

mplementation

semantic interoperability ensure compatibility with semantic web standards

don't reinvent the wheel build on available specs use available examples

forge the power HMC will also support the technical implementation

scientific development

community driven input from relevant

projects and disciplines

consolidate terms identify and define commonly used terms

transparency & credit open and visible work, micro crediting system





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Friends & Contributors





get in touch & join us:

via email

get mailinglist membership

HMC-matter@helmholtz-berlin.de HMC@fz-juelich.de

on twitter follow: <u>@helmholtz_hmc</u> tweet: #EMGlossary

GitLab repo: https://gitlab.hzdr.de/em_glossary



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GitLab development workflow open, remote, structured, asynchronous & full provenance recorded





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GitLab

scientific development

community effort input across relevant projects & disciplines

consolidation of terms *identify and define commonly* used terms and their meaning

transparency & credit visible & documented work, micro crediting system

asynchronous integration via branches



issue boards for discussion and management



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structured text files (YAML)



GitLab development workflow

open, remote, structured, asynchronous & full provenance recorded



term definitions

in structured text with high level of detail



lightweight, unpacked definitions aristotelian genus-differentia form machine actionability



wikimedia.org

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TO BE INTEROPERABLE:

I1. (meta)data use a **formal**, accessible, shared, and broadly applicable language for **knowledge representation**.

I2. (meta)data use vocabularies that follow FAIR principles.

I3. (meta)data include **qualified** references to other (meta)data.

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