

POSTPONED: Intermediate: Cooperation HMC + Helmholtz Imaging: Imaging Metadata

Monday 19 September 2022 14:00 (3 hours)

Metadata for scientific images is crucial for the success of any imaging experiment. What are metadata, where do you find them, how do you exploit them? The use of metadata in imaging highly depends on the domain. In some research areas metadata is already a well established standard while others scribble them in their notebook.

Here we will give an introduction to metadata in imaging, using some use cases as examples, and show you some hands on examples how to deal with them in python.

Agenda:

- What is metadata?
- Imaging Modalities in the case studies
- Case Study - Photon and Neutron Science Imaging
- Case Study - Oceanic Imaging
- Case Study - Medical Imaging
- Hands-on: Jupyter notebook for image metadata

Basic Python knowledge will help you to follow the hands-on (but it is not mandatory).

If you want to learn more about metadata, we invite you to take a look at HMCs training material collection: <https://helmholtz-metadaten.de/en/hmc-office/training-material-collection>

→ **Register here** ←

Maximum number of participants

Target audience

Working with imaging modalities

Learning target

Record imaging metadata and select suitable metadata standards

Previous experience

Nice to have, not mandatory: Capturing and organizing images, metadata

Presenters: CRISTIANO, Luigia (HZB); NOLDEN, Marco (DKFZ); HEUSER, Philipp (HIP/DESY); SCHOENING, Timm (GEOMAR)