HMC Conference
> Metadata in Action, 28.-30.04.2026, Heidelberg

<HMC> HELMHOLTZ
Metadata Collaboration

Beitrag ID: **16** Beitragskennung: **W09**   Typ: **Workshop (Extended)**

Building Confidence with Research Metadata at Scale

This hands-on, in-person workshop empowers research support professionals to move beyond static views of metadata and actively interrogate, assess, and act on DOI metadata at scale using the DataCite API. Using the DataCite metadata schema as a practical reference point, participants will work directly with real DOI metadata to explore which metadata elements most strongly influence discovery, reuse, trust, and decision-making. While DataCite is used as a reference implementation, the approaches and principles discussed are applicable to other PID-based and metadata-rich infrastructures.

Rather than inspecting records one by one, the workshop introduces the DataCite API as an accessible way to turn metadata into evidence. Participants will learn how to translate everyday institutional and research questions such as which records are missing licenses, how well ORCIDs or RORs are adopted, or which outputs are funded by a specific organisation into concrete, reproducible API queries.

The focus is not on software development, but on practical metadata literacy: understanding how metadata is structured, how it can be queried systematically, and how enriched metadata can be used to support curation, reporting, policy monitoring, remediation planning, and decision-making. Through guided, browser-based exercises, participants will explore high-impact metadata fields including licenses, subjects, affiliations, funders, descriptions, and relationships across repositories and disciplines. Assessing structured metadata in this way supports both FAIR maturity assessment and machine-actionable reuse, including AI-readiness.

By the end of the workshop, participants will be able to use API results to assess metadata completeness and quality, prioritise remediation efforts, and produce clear, defensible insights for management, policy, and strategic communication. They will gain confidence in explaining the value of specific metadata fields to researchers and decision-makers, and leave with reusable query patterns and a stronger understanding of metadata as shared research infrastructure rather than static documentation.

ONLY WORKSHOPS - Proposed interaction format

Training

Alternative Track

1. From Minimum Requirements to FAIR and AI-Ready: Assessing Metadata Quality

ONLY WORKSHOPS - Tentative audience

Repository managers, datastewards, PID infrastructure providers, Audience: absolute beginner to advanced users who work with DOI metadata but may never have used an API before.

ONLY WORKSHOPS - Maximum number of participants

30

ONLY WORKSHOPS - Special technical requirements

Projector Whiteboard, pens & pointer Sticky notes Stable internet connection Technical requirements for attendees: own laptop, notebook, Firefox installed

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Sitzung Einordnung: WORKSHOPS

Track Klassifizierung: HMC Conference 2026 - Pre-Conference Workshop: Pre-Conference Workshops