

Fundamentals of scientific metadata – an entry-level training course for early career researchers

Silke Christine Gerlich¹, Annika Strupp¹, Volker Hofmann¹, Stefan Sandfeld¹

¹Institute for advanced simulation - Materials Data Science and Informatics (IAS-9), Forschungszentrum Jülich, Jülich, DE

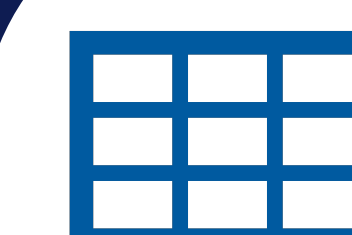
HANDS-ON



Hands-on
sneak peak

We believe that you need to “get your hands dirty” to learn the fundamentals of structured metadata annotation. This is why we designed **consecutive hands-on tasks** that you will solve throughout the training. In this way you will learn to write and apply **basic mark-up, JSON, JSON schema** and **XML**.

TRAINING DATA



To learn how to annotate research data with metadata, you will need data! For you, we prepared **research field agnostic** and **exciting data sets**, that allow to bring participants from different scientific communities together and learn the concepts of structured metadata annotation on an example.

LECTURES



The supportive lectures in this training focus on **(structured) metadata, metadata standards, tools** and the **internet work**. Our content specifically addresses participants with **little to no prior knowledge** on this topic. We start with the basics and dive deeper into the topic together.

LIGHTNING TALK



Each of our trainings features contributions of **metadata experts**. Get to know renowned metadata scientists and get an insight into metadata research in action. In this section, we cover topics like Persistent Identifiers, Metadata Standards and Metadata Tool Development

ONLINE TRAINING



Our training is designed as a **full online class**. This enables us to distribute our trainings most efficiently, bring together learners from **all Helmholtz centers** and helps you to join from wherever you are. All our activities

NETWORKING



You are going to **meet young scientists** from all over Helmholtz's research fields in our classes and use this opportunity to **exchange experiences and solutions** apart from your scientific bubble.

UPCOMING TRAININGS

- 19. & 20. **October 2022**
- 25. & 26. **January 2023**

[➔ more information](#)

WHAT WE PLAN FOR THE FUTURE

- Metadata for Data Stewards
- Getting involved in standard development

HELP US

to **shape future** trainings according to **your needs** and take our short survey

[➔ get involved](#)

Funding statement: This work was carried out at the Hub Information of the Helmholtz Metadata Collaboration (HMC) Platform