PhD Course

Sustainable Data Management

block course: 14.05.2025 09:00 – 13:00

Zentrum für nachhaltiges Forschungsdatenmanagement, Monetastraße 4

Course Instructor: **Dr. Juliane Jacob (UHH)**

Course Value: **0,5 LP**

Assessment/Student evaluation: Home assignment; grading will be pass/fail.

Course Language: English.

Software: N/A; Please take your laptop with you to the seminar.

Prerequisites: None

Registration: **Please register via STiNE.** For all organizational matters please contact e-mail andrea.buekow@uni-hamburg.de.

Course Overview & syllabus:
Reasons for research data management?

Data is everywhere. As digitalization advances, skills are needed to be able to adequately deal with this data, the so-called data literacy. In science, for example as part of a doctoral thesis, research data is collected, analyzed, documented, published and reused.
Research data management (RDM) is a very helpful way to work (time) efficiently and to be able to generate high-quality data. In addition, data must be stored for at least ten years in accordance with "Good Scientific Practice". RDM also addresses this archiving and all measures to enable subsequent reuse.

The workshop includes the following content:

- Introduction of the Center for Sustainable Research Management (CRDM) at the Universität Hamburg
- RDM basics and overarching concepts (including general principles and concepts of research data management, life cycle of research data, policies, data management plans (DMP), FAIR principles, openness)

- Working with data (order, structure, versioning, data, data types, data formats, data storage and back-up, data security, data quality, tools)
- Documentation and metadata (persistent identifiers, ontologies and controlled vocabularies)
- Long-term archiving, publication, subsequent reuse (licenses, resources of data, repositories)
- legal and ethical aspects (general legal aspects, data protection and personal data, informed consent, anonymization and pseudonymization, ethical aspects and good scientific practice)
- Support structures (relevant infrastructures at Universität Hamburg (and externally), advisory services from the CRDM
- Practical exercises, etc. Creation of a DMP based on https://www.fdm.uni-hamburg.de/medien/forschungsdaten-checkliste-en.pdf

Participants learn how RDM can help achieving goals, e. g. the doctorate.