Vizerektorat Entwicklung

Introduction to Research Data Management

Background

Organizing and managing research data are the most important prerequisites for ensuring the quality, security, durability, and reproducibility of research data, both during a research project and in the long-term. Moreover, many funding agencies, such as the Swiss National Science Foundation (SNSF) and the European Commission (e.g., H2020/Horizon Europe) and as of January 2023 the National Institutes of Health (NIH), require grant applicants to develop a data management plan (DMP) to receive funding. This introductory course will highlight the essential knowledge, resources and skills to manage your research data ethically and efficiently. Experience exchange between participants will be highly appreciated.

Learning outcome Participants will learn how to:

- organise and manage research data throughout the data life cycle, according to the funding agencies requirements and good scientific practice

- develop, update and optimise a data management plan (DMP)

- manage and share research data according to good ethical and research practice

- choose FAIR research data repositories according to funder requirements and subject-specific needs, with hands-on exercises

Methods and Tools This workshop will be in interactive lecture format, including presentations as well as exercises and classroom assignments for participants to reflect and apply newly acquired knowledge.

Note on data management tools We may mention possible software tools for different steps in the data management process, but there will be no guidance for specific tools, software, or programming languages. However, participants are welcome to share their experience and exchange knowledge during the workshop.

Trainers Research Data Management Team, Open Science, University Library of Bern

Target Group Postdocs and PhD students from all fields of research who are interested in learning about research data management life cycles, research data management plans and how to apply this knowledge to a real project.

Language English

Dates Monday, 06 May, Tuesday 07 May, 2024, 9 a.m.-5 p.m.

Location University of Bern, Hochschulstrasse 4 (Main Building), room 104

Number of participants max. 16

Requirements Participants should bring their own laptops.

Preparation tasks Participants will be asked to fill out a questionnaire before the workshop (**deadline: April 15, 2024, 10 a.m.**) and to prepare a 5 min presentation of their own research in the context of research data life cycle. In case you do not fill out the questionnaire, your participation may be cancelled and your place might be offered to the waitlisted. At the end of the course all participants will be asked to update their presentations with regard to new knowledge obtained and give a 5 min insight.

Homework Participants should write and submit a two pages data management plan after the workshop (**deadline: May 31, 2024**).

Course material An ILIAS link will be shared with registered participants before the course starts.

Recommended ECTS 1 (total of 25-30h including course attendance, preparation tasks and homework).