

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:

- comply with Open Science, Open Research Data (ORD), and funding agencies requirements at the national and international levels
- organise, document, and manage research data throughout the data life cycle, according to the good scientific practices
- develop, update, and optimise a data management plan (DMP)
- manage data access and share research data according to good ethical and research practices
- follow FAIR and CARE principles and find research data repositories according to funder's 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, who will provide insights on research data management with support from invited guests from the IT Department (available data storage infrastructure); Data Protection Officer from the Legal Services Office (data protection regulations and legal issues) and IT Security (Information Security and Data Protection (ISDP) concept and analysis) at the University of Bern.

Target Group

Postdocs and PhD students from all fields of research, who are interested in learning about good scientific practices in Open Science, open research data strategies, policies and guidelines, research data management life cycle, research data management plans, data protection regulations and ethics in research data management, data storage possibilities and back-up at the University of Bern and how to apply this knowledge to a real project.

Language English

Dates Monday, 02 December, Tuesday, 03 December 2024, 9:15 a.m.-5 p.m.

Location University of Bern, Main Building, Hochschulstrasse 4, Dec 02: room 117, Dec 03: room 104

Number of participants max. 16

Requirements Participants should bring their own laptops.