Introduction to Research Data Management

Background
Knowing how to organize and manage research data is one of 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), require grant applicants to develop a data management plan (DMP) in order to receive funding. This introductory course will highlight the essential knowledge, resources and skills to manage your research data efficiently.

To reach this goal, participants will learn how to:

- organise and manage research data along the research data lifecycle, during a project and afterwards;
- comply with funder requirements around research data management (RDM) using best practice examples and timelines;
- develop a data management plan (DMP) and know the steps and tools to optimize their DMP;
- benefit of data sharing and choose repositories according to funder requirements;
- share research data ethically;
- choose FAIR compliant research data repositories with hands on exercises;
- share your research data management experience with your colleagues.

Methods and Tools

This workshop will be in interactive lecture format, including presentations as well as tasks and classroom assignments for participants to reflect and to apply their newly acquired knowledge. In order for the trainers to be able to adjust the contents according to the experience and knowledge level of the group, participants will be asked to fill out an anonymous questionnaire before the workshop starts.

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 with tools they use.

Credit points: Participants who want to earn credit points will be asked to write a data management plan after the end of the workshop. The participants will receive feedback on their DMP.