

## **BSC Training: Research Data Management for Beginners**

### **Objectives**

Day 1 & 2: The objective of this course is to give basic notions and practical examples and exercises about the Data Management activities for researchers and research support staff.

- Familiarize participants with Data Management fundamentals and best practices for researchers and research support staff.
- Identify the role and responsibilities of Data Managers in research activities.
- Illustrate the practical application of FAIR principles for managing research data.
- Discuss the European context for Data Management, including Data Management Plans for HE.
- Evaluate the national landscape of research projects and initiatives with a focus on Data Management.
- Facilitate hands-on exercises to: a) Compare and contrast various DMP tools and templates available to researchers b) Develop a Data Management Plan for a research project c) Assess the quality and effectiveness of a Data Management Plan.

Day 3: This half-day course aims to prepare day 1+2 course participants to design and deliver effective Data Management training courses to researchers in their institution. Participants will learn DM training design, receive practical guidance and resources to develop a training plan, and be able to create engaging training materials and assessments that emphasize the importance of Data Management.

### **Requirements**

Some experience working with research data, or with researchers dealing with data management plans.

### **Learning Outcomes**

Upon completing this course, participants will be able to effectively plan and manage research data for a project by developing a comprehensive Data Management Plan (DMP) in accordance with best practices and guidelines. Specifically, participants will have gained a solid understanding of Data Management fundamentals, the role and responsibilities of Data Managers, the practical application of FAIR principles, the European and national context for Data Management, and the practical skills necessary to prepare, evaluate, and compare DMP tools and templates.

#### **Academic Staff**



Course convener: Nadia Tonello, Head of Data Management Group, Operations, BSC

Lecturers: Data Management group members, Life Science data managers, Earth Science data managers, BSC

- Nadia Tonello, BSC Operations Dept, Head of Data Management
- Cristian Castro, BSC Operations Dept, Data Manager
- Francesco Benincasa, BSC Earth Sciences Dept, Earth Data and Diagnostics
- Pierre-Antoine Bretonniere, Earth Sciences Dept., Earth Data and Diagnostics
- Laura Portell, Life Sciences Dept, INB/ELIXIR-ES coordination node, Research engineer

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