

STUDY GUIDE

Research Data and Open Science : management, planning and sharing

Organised by Pierre FRANCOIS, data librarian at Nantes Universiy



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Erasmus+

| 1. IDENTIFYING DATA | |
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| Course/training name* | Research Data and Open Science : management, planning and sharing |
| Coordinating University* | Nantes Université |
| Other Universities involved | |
| Main Thematic Arena* | Information and Communication Sciences |
| Relation with the above selected Thematic Arena | |
| Course/training field(s)* | Research Data Management, Open Science |
| ISCED Code | - |
| Related SDGs | - |
| Target audience(s)* | PhD students |
| Number of ECTS credits allocated | - |
| Other modes of certifications | EUniWell certificate |

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| Mode of delivery* | Online synch-rone training |
| Language of instruction* | English |
| Semester* | 2 |
| Course/training dates* | 13/02, 13/03, 17/04, 15/05 |
| Precise schedule of the lectures (Mind the time zone) * | 9am – 12am (CET) |
| Key words (max 5) * | Open science, research data management, data management plan, open data |
| Catch Phrase* | "Open Science, Stronger Research: Navigate Data Management with Confidence!" |
| Prerequisites and co-requisites* | / |
| Number of EUniWell students or staff that can attend the course/training* | 35 |
| Course/training application procedure(s)* | EUniWell joint application process on EUniWell website |

2. CONTACT DETAILS

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| Department | Nantes Université – University libraries |
| Nam and email e of lecturer/trainer* | Pierre FRANCOIS – pierre.francois@univ-nantes.fr |
| Name and e-mail of the catalogue coordinator* | Victor LE CAM – victor.lecam@univ-nantes.fr |
| Other lecturers/trainers | |

3. COURSE/TRAINING ABSTRACT*

In today's evolving research landscape, effective data management is a critical skill for PhD students. This training offers a comprehensive introduction to Research Data Management (RDM), focusing on key concepts like the **FAIR principles** (Findable, Accessible, Interoperable, and Reusable), the creation and implementation of a **Data Management Plan (DMP)**, and the importance of **Open Science** practices. By mastering these skills, PhD students will not only comply with institutional and funder requirements but also contribute to a more open and responsible research culture. Whether you're new to data management or looking to refine your practices, this training will equip you with the essential tools to handle research data efficiently throughout your academic journey.

4. DEVELOPED SKILLS AND COMPETENCES*

- Data Organization and Structuring:
- Data Documentation and metadata
- FAIR Principles Application
- Data Management Plan (DMP) Development
- Ethical and Legal Data Handling

- Data Sharing and Open Access
- Data Citation and Attribution

5. OBJECTIVES AND LEARNING OUTCOMES*

- Introduce the Fundamentals of Research Data Management (RDM)
- Familiarize with the FAIR Principles
- Equip Students to Develop a Data Management Plan (DMP)
- Promote Open Science Practices
- Explore Tools and Technologies for RDM and Open Science

6. COURSE/TRAINING ORGANISATION

UNITS

- | | |
|----|---|
| 1. | Research data : what is it ? |
| 2. | Introducing open science and open data |
| 3. | Research data management best practices |
| 4. | Addressing the FAIR principles |
| 5. | Data Management Plan : how and why ? |

LEARNING RESOURCES AND TOOLS

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| PLANNED LEARNING ACTIVITIES AND TEACHING METHODS |
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| 7. ASSESSMENT METHODS AND CRITERIA* |
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| RECOGNITION* |
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| ADDITIONAL INFORMATION |
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| 8. BIBLIOGRAPHY AND TEACHING MATERIALS |
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| 9. QUALITY ASSURANCE* |
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