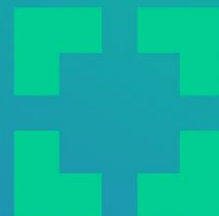


PATTERN.

Empowering Open and Responsible
Research and Innovation



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Training Module

FAIR RDM



Funded by
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FAIR Research Data Management: From Principles to Practice

What is this about?

Title: *FAIR Research Data Management in Practice: A Workshop for Early Career Researchers*

Date: Wednesday, 18 June 2025

Time: 14:00–16:00 CEST

Duration: 2 hours (online Workshop with hands on exercise)

Training Methodology

Methodology: Flipped Classroom with Blended Delivery

- **Asynchronous Preparation:** Self-paced course (approx. 2–3 hours)
- **Synchronous Session:** 2-hour interactive online workshop

Platform & Tools

- **Asynchronous Learning:**
 - Self-paced FAIR RDM Modules (Sessions 1–3) via [OpenPlato](#) (*estimated time: 60 to 90 minutes for full completion*)
 - [Log in to OpenPlato course here.](#)
- **Synchronous Workshop Tools:**
 - Online Meeting Platform (link to be provided upon registration)
 - Hands-on DMP exercise using [ARGOS](#) – OpenAIRE's Service

Organizers

This workshop is jointly organized by:

- [**OpenAIRE**](#)
- [**DANS – Data Archiving and Networked Services**](#)

Target Audience

- Senior researchers, project managers, and RDM professionals (intermediate/advanced level).
- Priority registration for EUt+ members, with open slots for broader networks.

Before the Workshop: Required Pre-Engagement

To prepare for our upcoming interactive workshop, all participants are required to complete a set of **three self-paced foundational modules** available on [OpenPlato](#). These modules introduce the **FAIR principles** and key **Research Data Management (RDM) concepts**.

What You Need to Do:

- **Plan for a minimum of 1 hour** for initial orientation and familiarization with the platform.
- Allocate approximately **45 minutes for each of the three modules** (Session 1 to Session 3).
- You can either complete all modules **before the workshop begins** or complete the course after the online workshop.

What You'll Get:

Upon completing all three modules, you will be able to **download a personalized Certificate of Completion**, acknowledging your preparation and understanding of the core topics.

Be sure to set aside sufficient time to engage meaningfully with the materials—we're looking forward to building on this shared foundation during the workshop!

For further guidance and support please contact us at :
theodora.kavvadia@openaire.eu

Agenda & Topics

Date: 18/06/2025 | **Format:** Online
Duration: 2 hours 15 minutes (including break)

Time	Activity
00:00–00:15	Introduction & Feedback on Pre-Work We'll start with a quick icebreaker and discuss the self-paced modules (sessions 1–3) and Prerequisites part. Participants can share questions and expectations.
00:15–01:00	Advanced FAIR RDM topics Based on sessions 4 and 5 of the FAIR RDM training, highlighting key topics like metadata, data repositories, PIDs,
01:00–01:10	Break
01:10–02:00	DMPs and Institutional RDM Elli presents new material on DMPs within broader RDM strategies, followed by an interactive Q&A session.
02:00–02:15	Wrap-Up & Certification Requirements We'll summarize key points and explain how to complete the course and quiz to receive your certificate.

About this Workshop/ Why to join us?

This workshop responds to a training request from the European University of Technology Alliance (EUT+) and leverages high-quality resources developed within the PATTERN project. It brings together advanced content from DANS' FAIR Research Data Management (RDM) training and hands-on use of OpenAIRE's ARGOS Data Management Plan (DMP) tool, fostering collaboration within the FAIR RDM Thematic Area.

This workshop is part of a five-part modular course designed for early career researchers, with a strong focus on the FAIR principles—Findable, Accessible, Interoperable, and Reusable.

- **Sessions 1–3** (completed online in OpenPlato prior to the workshop) introduce foundational concepts in FAIR and RDM.
- **Sessions 4 and 5** (covered during the live online workshop) build on that foundation with advanced, practice-oriented content.

1st part of the workshop: Putting FAIR RDM into Practice

(Based on Sessions 4 & 5 of the FAIR RDM course)

Building on the introductory modules completed on OpenPlato, the first part of the live workshop delves into advanced topics and real-world application of FAIR RDM concepts, including:

- Understanding the role and function of metadata in FAIR workflows
- Exploring Knowledge Organisation Systems (KOS) and their relevance for FAIRness
- The importance and implementation of Persistent Identifiers (PIDs)
 - Applying PIDs to datasets, software, protocols, and other research outputs
- Selecting and using discipline-specific repositories
 - Where and how to store data in trusted repositories
- Choosing appropriate data licences
 - When and why to use specific licence types
- How to cite datasets and ensure they are reusable
- Assessing the impact of FAIR RDM in research activities
 - Reflection on quality, reproducibility, and visibility

2nd part of the workshop: DMPs and Institutional RDM

In the second part of the workshop, we turn our focus to Data Management Planning and the institutional context of RDM:

- Introduction to DMPs: purpose, structure and use cases
- Hands-on exploration of ARGOS, OpenAIRE's machine-actionable DMP tool
 - How to create, edit, and update a FAIR-aligned DMP

- Collaborative DMP writing and sharing features connected to institutional support: libraries/data stewards, ethic committees, legal staff etc
- Practical Use Case: "How do I write a DMP for a Horizon Europe funded project that I am working for?"
- Reflections and Best practices for maintaining and updating DMPs over time

Wrap-Up & Certification Requirements:

To receive a Certificate of Completion, participants are kindly requested:

1. **Attend the full live workshop** session(s)
2. **Complete the evaluation form**, which will be sent the day after the workshop
3. **Finish all assigned materials**, including the self-paced modules (Sessions 1–3) on OpenPlato if not already completed

Teaching Approach & Training Methodology:

Flipped classroom: Participants complete the foundational content asynchronously (Sessions 1–3) before joining the live sessions.

Interactive engagement: The workshop builds on your prior learning through live discussions, case-based problem-solving, and peer feedback.

Why this approach?

The flipped classroom model allows you to engage with core concepts at your own pace before the live training. The workshop time is then fully dedicated to interaction, practical application, and personalized guidance. This **blended learning strategy**, combining self-paced modules with real-time sessions, ensures you gain both theoretical understanding and hands-on experience.

Synergies and Tools

- **OpenPlato:** Tracks your progress and provides access to modular FAIR RDM courses.

- OpenPlato is a multilingual LMS powered by OpenAIRE and ICM/University of Warsaw, supporting structured training delivery, certification, and metadata-based discoverability.
- **ARGOS:** Offers a user-friendly, FAIR-compliant environment to create and manage Data Management Plans, supporting institutional and funder compliance.

Learning outcomes & training skills to gain

- Understand advanced RDM principles (metadata, DMPs, institutional alignment).
- Apply RDM strategies to real-world projects.
- Navigate tools like Argos and OpenPlato for certification.

Meet our trainers & Mentors



René van Horik, Research Data Specialist at DANS

René works as senior project manager at DANS in the Netherlands. He is involved in EU projects that work on the implementation of the European Open Science Cloud, such as FAIR-Impact, EOSC-EDEN and FIDELIS.



Michelle van den Berk, Research Data Specialist at DANS

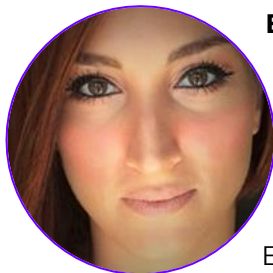
Michelle van den Berk is a seasoned Research Data Specialist at DANS with extensive experience in digital scholarship, Open Access, data management, and digital sustainability. She previously held roles at Leiden University, KITLV, and NIWI - KNAW. Michelle combines a strong

academic background in Historical Information Science and Classical Studies with a creative approach to project management in digitization and information services.



Deborah Thorpe, Research Data Specialist at DANS

Deborah is an experienced research data and training specialist with a strong background in the humanities. She has held roles including Research Data Steward at University College Cork, Education and Outreach Manager at the Digital Repository of Ireland, and Training and Education Officer for DARIAH-EU. She has contributed to initiatives such as FAIRSharing, EOSC, and OpenAIRE, and previously held research fellowships at Trinity College Dublin and the University of York.



Elli Papadopoulou: Open Science Research Associate, Athena Research Center

Elli is a digital librarian and research infrastructure expert at Athena Research Center. With a background in Library Science and Public Policy, she has been active in Open Science since 2013. She leads Greece's OpenAIRE efforts and contributes to EOSC and RDA, focusing on FAIR data and research data management policy.



Theodora Kavvadia, Training Coordinator and Project Manager at OpenAIRE

Theodora is a psychoeducational expert and academic advisor with degrees in Pedagogics, Counseling Psychology, and Digital Communication. She has led teams and managed EU projects within public sector organizations, focusing on humanitarian and social services. Her research explores inclusive learning, democratic innovation, and the use of co-design and gamification in education.

Background: PATTERN project

PATTERN is a coordination and support action that aims to promote the practice of Open and Responsible Research and Innovation (Open RRI) by developing and piloting training activities for researchers at all stages of their careers. PATTERN

exists due to the institutional and societal need to increase researchers' professional skills development beyond academia. In fact, graduates are increasingly taking non-academic career paths after the completion of their PhD and research institutions have started to invest resources in offering their researchers advanced training in more transversal and transferable skills that can help smoothen this transition.

PATTERN trainings will strengthen researchers' Open and Responsible Research and Innovation (ORRI) transferable skills, with the ultimate goal of empowering higher education institutions and research organizations to embrace a transformative process to improve the excellence of the science conducted, the capacity within the European Research Area (ERA) to tackle societal challenges and the interaction between science and society.

** **ORRI** stands for **Open and Responsible Research and Innovation**, promoting transparency, ethics, inclusiveness, and societal impact in research.*

Registration and training materials

Prerequisite: Complete self-paced modules (access [here](#)).

Register latest by 17th of June here.

Note: Session recorded for internal review; public sharing requires consent.

Sources

- [PATTERN Project Framework](#)
- [OpenPlato e-learning platform](#)
- Access to the material for Session 4 [here](#)
- Access to the material for Session 5 [here](#)
- Argos DMP case studies

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