PUBMET 2026

Building a Moodle Course: Introduction to Managing Research Data According to the Principles of Open Science

COURSES

UNIVERZA V LJUBLJANI
University of Ljubljana

Sergeja Masten, Slovenian Social Science Data Archives (ADP)

Ema Grilc, University of Ljubljana

Irena Vipavc Brvar, Slovenian Social Science Data Archives (ADP)

Zadar, Croatia, 9-11 September 2026

Action Plan for Open Science, activity A6.2.1/4.3: Online training for handling open (FAIR) research data for the needs of public RPOs.

CC BY

Researchers are expected to share data – but what does that mean in practice?

COURSES

What should I publish?

Where should I publish it?

How do I know whether a repository is suitable?

These seemingly simple questions are often where researchers need the most practical support.

From “I should share my data” to “I know what, where and how”

COURSES

- Open Science and FAIR principles provide the framework.
- Institutional and funder requirements increasingly expect responsible data sharing.
- Researchers, however, need **concrete guidance and actionable steps**.

The course translates principles and requirements into practical research workflows and grew out of our everyday work with researchers

From identified needs of the researchers to the Moodle course

COURSES

Common RDM Questions

What is FAIR data.

How to prepare data and accompanying materials: format, relevant information, anonymization.

What is and **how to prepare metadata** for findability and understanding.

Copyrights, consent forms, legal and ethical questions.

From identified needs of the researchers to the Moodle course

COURSES

Where to deposit data: which repository is suitable for a specific data and where to find it.

Does the repository:

- Accept this type of data,
- Provides PID (e.g. DOI),
- Supports FAIR principles,
- Have relevant certification.

Repository selection is part of RDM – not an afterthought.

The Moodle Course: A beginning

COURSES

Data steward training → ideas for the course

Project SPOZNAJ: ideas for the course emerged and developed through training activities for data stewards.

In parallel, RDM terminology was being developed – the course further supports the introduction and consistent use of terminology in the national language (Slovenian).

Collaboration: The course is available on the Slovenian Open Science Community (SSOZ) platform, together with other OS resources.

The Moodle Course: learning by doing



Poster: https://doi.org/10.5281/zenodo.21278958

MOODLE COURSE: https://odprtaznanost.si/ucilnice/introduction-to-managing-research-data/

The Moodle Course: learning by doing

CHALLENGES



- Time constraints
- New technologies
- Evolving RDM landscape
- Balancing diverse researcher needs

As open as possible, as closed as necessary

Funded under the National Open Science Action Plan and developed by the University of Ljubljana

In collaboration with:

arnes

SLOVENIAN OPEN SCIENCE COMMUNITY

ABOUT THE COURSE

A national online course to develop competencies in research data management, FAIR principles, and open data

A simple and effective approach to improving data management across the research lifecycle

Target audience



- Researchers
- PhD students
- Librarians
- Data stewards

Available in Slovenian and English

COURSE CONTENT

Open science



Research data



FAIR



Data lifecycle



DMP



Repositories



Metadata



Licensing



OPPORTUNITIES & IMPACT

Opportunities



- Enhancing skills
- Supporting open science
- Being an agent of change
- Promoting FAIR data practices



Data management made practical

Impact

- Stronger research support
- Improved research quality and visibility
- Institutional change
- Long-term compliance and preservation



Poster: https://doi.org/10.5281/zenodo.21278958

What will researchers take away

COURSES

After completing the course, researchers should be able to:

- **Understand how good RDM supports FAIR and Open Science.**
- **Identify which research outputs should be preserved and shared.**
- **Evaluate and identify appropriate repositories for their data.**
- **Prepare data and documentation for deposit.**
- **Distinguish between open, restricted and controlled access.**
- **Understand national obligations.**

From obligation to informed decision-making

COURSES

Open Science asks researchers to share – Good RDM helps them decide what, where and how.

The Moodle course gives researchers practical knowledge to make those decisions confidently.

Challenges

COURSES

How to successfully deliver and promote Moodle course to the target audience?

We are open for suggestions regarding promotional activities.

What future holds ...

COURSES

Next steps: **Moodle Course on detailed step-by-step guidance on depositing data in repositories (SI)**



COURSES

THANK YOU

PLEASE, SEE THE COURSE ON THE LINK:
https://odprtaznanost.si/ucilnice/introduction-to-managing-research-data/

Feedback welcome!