



TECHNISCHE
UNIVERSITÄT
WIEN
Vienna | Austria

Projekt TrainRDM

Alignment of the Output 02 activities
10.11.2021

O2 Activities – The Goal

Develop a joint training program on OS and RDM according to the outputs identified in O1 and O3.

*The developed training program and its modules will furthermore be **determined on the basis of the requirements of the ECTS credits.***

*The emphasis will be on the **development of the optimal training formats** (considering and involving modules already offered by the consortium and the ones identified following the variables in IO1 matrix model).*

O2 Activities – The Program:

1. Mainly organized either as **lectures, workshops or seminars, on-site or online**, according to the requirements of O1 and O3
2. Where identified, **supported by suitable educational resources**: scripts, books and other written documents, as well as through material which will be also available online in the institutional intranet
3. In terms of the content, **basic courses, as well as specific inter- and disciplinary aspects** of OS and RDM will be integrated (based on the results of O1, which will specify the needs for the toolkit)
4. **Integration of skills** to the program regarding the output in O1
5. The **corresponding training program in relation to the target groups** will be identified: MSc & PhD students, early stage researchers, trainers and further research community stakeholders for each member in the consortium
6. OS-related content is **following the 5 LERU classes** (open access, research data sharing, ethics and integrity, citizen science)

O2 Activities – The Program:

7. **Other attributes** to tailor the training module content in close collaboration to O1 and O3 will be used, such as:
 - **Objectives** (in terms of the toolkit needs identified in O1 and identified technical requirements in O3)
 - **Format and didactics** (class size, onsite and online classes, innovative features of teaching)
 - **Duration** (in days)
 - **Domain** (specific disciplinary, inter-/multidisciplinary, basic content)
 - **Programme target group** (target group specific content for MSc & PhD students, early stage researchers, trainers and further stakeholders)
8. **Choice of the best training methodologies** for the RDM toolkit developed in O1 and the **technical requirements of the training platform** developed in O3 (relate to domain specific training needs, skills and gaps and contain corresponding teaching strategies on university level: e.g. strategies for teaching of a large/small audience, flipped classroom/blended learning, problem based teaching)
9. Apply the international **Innovative Doctoral Training Principles** (IDTP) within the framework of OS and RDM and consider good training practice (the involvement of attractive and existing institutional environments including OS and RDM infrastructures and policies, international networking and quality assurance etc.)

O2 Activities – The Program:

10. **Distinguish between awareness raising**, the acquisition of basic and innovative knowledge and expertise **and skills development** (including transferable skills training) and **offer broad learning opportunities** in OS and RDM for all levels and various target groups
11. Contain dedicated modules "**Train the Trainers**":
 - Ensure the delivery of the best impact in terms of existing and novel **methodologies, materials, competences and skills** on OS and RDM.
 - Permit the **exchange and integrate best practices** in the context of OS and RDM within all target groups and stakeholders involved in the project
 - **Use the outcomes** of the research conducted in O1
 - **Can be adapted to changes** during the project phase, such as the integration of novel and innovative aspects due to the use of novel repositories, tools and methods for OS and RDM, as well as changes in legal requirements
12. **Coupled with LTTA C1**: Train the trainers Winter Week, **LTTA C2**: Students Summer School and **LTTA C3**: Early Stage Researchers Training Week.
13. **Developed and updated constantly** in accordance to the outcomes of O1 and O3 to guarantee a flexible response to changes during the project's implementation

Timeframe: Overview

IO2: Design of Training Programme on RDM and OS Co-Lead	TECHNISCHE UNIVERSITAET WIEN	M10-M13	→ A1: Joint definition of teaching and training programmes.
		M13-M18	→ A2: Development of training content and delivery of teaching methodology specifications
		M17-M18	→ A3: Development of training for the trainers
	DIGITAL TECHNOLOGY SKILLS LIMITED	M19-M36	→ A4: Reporting on training sessions → Organise LTTA C1

Timeframe

M10 – M13: Joint definition of teaching and training program on OS and RDM

It contains the development of training modules for the training program. The training program will be set up, to guarantee the fulfilment of the content and the framework conditions for it: **objectives, format and didactics, duration, basic and domain specific content, content tailored to the project target groups, as well as ensure the compliance** of the developed training program and its modules regarding the requirements of the **ECTS credits**.

M13 – M18: Development of concrete training contents and delivery of teaching methodology specifications

*Correspond specific on-site and online teaching/training **methodologies and material will be applied** for the modules with regard to specific requirements as defined by NCI (lead of O1) and UPB (lead of O3). **The training content will be set up** for the modules of the toolkit and its target groups also according to the technical requirements. **Target group specific content will be developed** especially regarding the content (basic and discipline specific knowledge about OS and RDM on university level) while **needs of cross-disciplinarity** will be combined too. Integrate specific requirements of the toolkit's modules and maintain regular **feedback loops** on the technical implementation possibilities.*

Timeframe

M17 – M18: Development of training of trainers

It contains the **development of the "Train the Trainers" modules** and its content, with corresponding training methodologies and material of the program needs and the **implementation and execution** of the "Train the trainers" modules **ensure a high knowledge and professional background** of the teachers and trainers regarding:

- **objectives** of the program, such as the state of the art and novel knowledge about OS and RDM
- **proper application** of the defined formats and didactics
- **corresponding duration** of the modules regarding the content of the modules
- broad range of **diverse levels of knowledge** in OS and RDM and transferable skills and basic and inter-, multi- and disciplinary knowledge in OS and RDM and beyond
- in accordance to the content of the **identified project target groups**

Set up of relevant content for the target groups as defined by the project and ensure the **continuous improvement of implementing aspects of the Charter & Code** within the program, with focus on excellent research environments, training and career development in the area of Open Science. Further set up **LTTA C1** Train the Trainers Winter Week, **LTTA C2** Students Summer School and **LTTA C3** Early Stage Researchers Training Week.

Timeframe

M19 – M36: Update of the training program following the training sessions

Conduct follow-up feedback forms, evaluate them and if needed incorporate into the toolkit, its models and the training program. Work in close **collaboration with NCI (O1) and UPB (O3)** to guarantee an agile process with flexible responses to changes during the implementation of the project. Ensure the **implementation of novel aspects** in OS and RDM, such as changes in state-of-the-art and innovative infrastructures, tools, methods and (legal) frameworks, as well as embrace those changes in the on-site and online training materials.

Timeframe – Table

Objectives	Activities	Deadline
Define a quality pilot training program for OS and RDM	Joint definition of teaching and training program on OS and RDM	M13: November 2021
Develop the quality pilot training program for OS and RDM	Development of concrete training contents and delivery of teaching methodology specification	M17: March 2022
Validate the quality pilot training program for OS and RDM	Development training of trainers	M18: April 2022 LTTAs: - TUWien (April 2022) - La Sapienza (September 2022) - ICI (June 2022)
Update the quality pilot training program for OS and RDM	Update the training program following the training sessions	M30: April 2023

Example structure of an application to the study commission at TU Wien:

- Lecture description:
 - Title
 - Semester hours per week
 - Standard Work Effort
 - Type
- Educational goals
- Content
- Expected prior knowledge
- Comparable courses
- Applied forms of teaching and learning
- Performance evaluation
- ECTS-Breakdown
- Curricula
- Personal Qualifications



Open questions to discuss:

- Target audience (students, researchers, trainers...)
 - Is there a one fit all concept or shall there be 2-3 different courses
 - Are we create one concept and adapt it accordingly?
 - Who will adapt the course and what commission approves it?
 - If researchers: How will the ECTS System be applied?
 - How will ECTS be handled? (different rules in different institutions)
 - → TU Wien thinks we should not offer ECTS (from what we have learned we will not manage to establish such a course during the project time, and if only for internals)



Open questions to discuss:

- FOSTER: has a lot of material but not ready made courses (if you know → info)
- Costs of courses
 - Free as long as the Erasmus project lasts?
- Lecturers of courses?
 - Do they need certain qualifications?
- Do we provide our concept Open Access?
 - Zenodo
- Timeframe for LTTAs:
 - Not before September?



TrainRDM Steering Meeting: Bukarest

*Further
Discussion
Points:*



AOB:

Next Steps: