

RDM and Data Stewardship Training at the University of Vienna

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SciDataCon 2023

organized by



as part of




Research Data Management at the University of Vienna

- **University-wide Research Data Management WG** tasked with strategic development

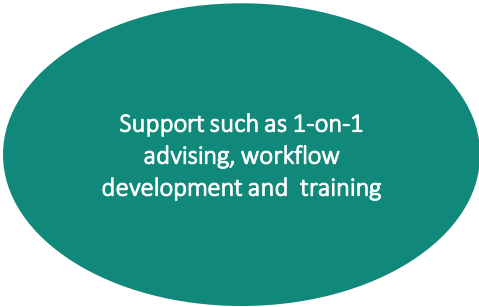
- Coordinated by the University Library
- Vice-rector for Digitization and Knowledge Transfer

- **Research Data Management (RDM) services** are the joint effort of the:

- Library
- Computer Center
- (Selected) Faculties and Research Centers – Data Stewards
- Department of Innovation and Digitalisation in Law – Legal Helpdesk
- Research Support and Career Development
- Center for Teaching and Learning
- Quality Assurance



Infrastructure such
as repositories,
storage solutions



Support such as 1-on-1
advising, workflow
development and training

RDM Training at the University of Vienna: The Vision



- The RDM training courses at Univie are:
 - Needs-based
 - Innovative
 - Offered in German and English
- **Goal:** All relevant target groups:
 - Are provided with relevant information on RDM
 - Can continuously develop their RDM competence

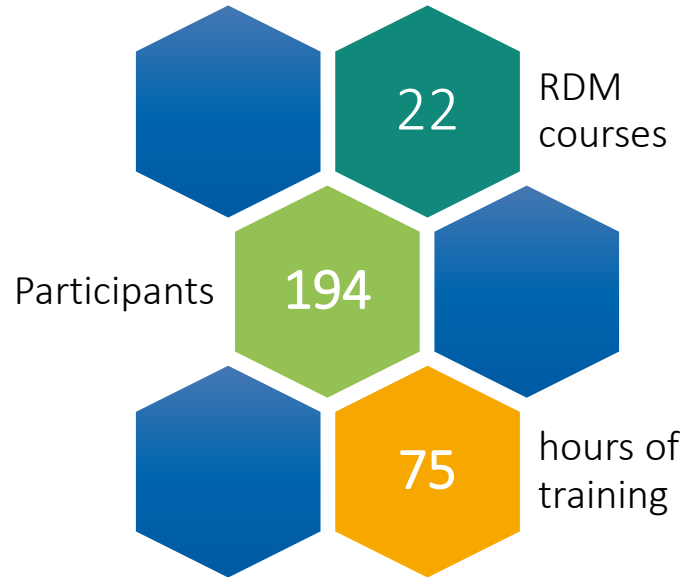
Target Groups

- Researchers
- PhD students
- General staff
- IN PROGRESS: Students (Bachelor's, Master's)
- UPCOMING: Lecturers, technical staff

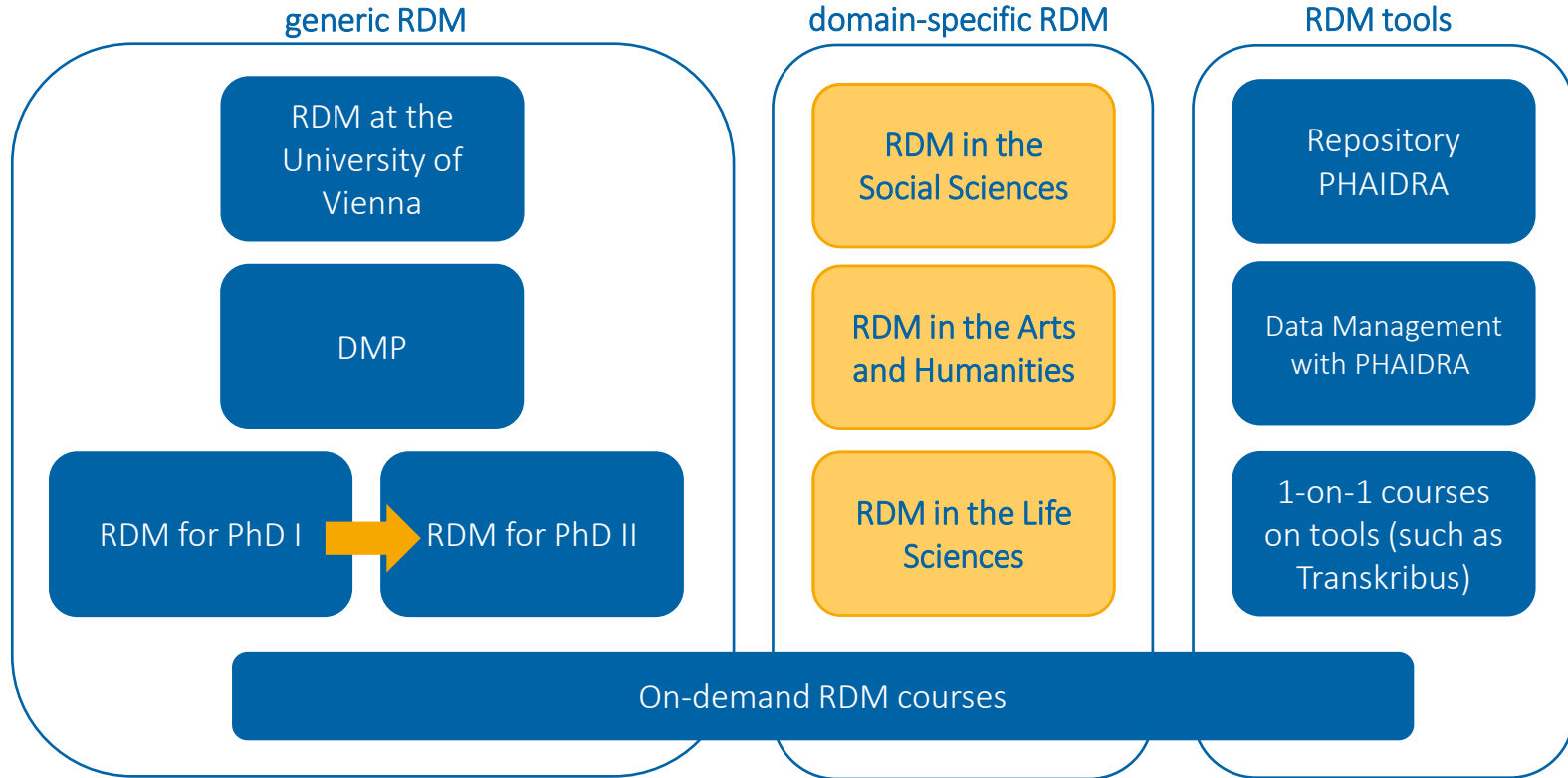
A large orange circle is positioned on the right side of the slide. Inside the circle, the text "+ Future Data Stewards" is written in white, centered.

+ Future Data
Stewards

RDM Training in Numbers



RDM Training Portfolio



Discipline Specific Training: Courses for PhD Students

Life Sciences and CeMESS

- In Collaboration with Doctoral Schools
- Blended and Flipped Learning Approaches
- Hands-On and Activity Based
- Pre- and Post-Learning Assessment
- Open Educational Resource

"The specificity of the resources you addressed was very much appreciated."

"The online self-learning, as well as the course itself had an unusual, informal, very nice format, I really enjoyed."

Philological and Cultural Studies

- Introduction to RDM for Daily Work
- Online and Flipped Learning Approaches
- Upcoming:
 - In-Person Courses in varied Locations
 - Advanced Courses
 - DARIAH Campus

"Hoher Neuigkeitswert (inhaltlich), Hands-on, interaktiv"

RDM for the Life Sciences (for PhD candidates)

Online course (2-3 hours of self-study)

- Divided in small modules with quizzes
- Resource after the course
- Written in LiaScript
 - Re-usable
 - Easy adaptable for your institution

Q Search

Orientation

What is Research Data Management (RDM)?

Research Data Lifecycle

Metadata

FAIR data principles

Open Research

Comparison: RDM, FAIR, Open Research (Data)

Data Management Plans

Organizing your Data

Managing Raw Data

File Naming

Folder Structure

File Formats

Tables

Documenting and Annotating your Data

Data Documentation



What is Research Data Management (RDM)?

In this section we discuss several topics linked to conducting your research in a well-planned and managed manner. We'll give some key definitions, tell you about the research data life cycle, and explain the FAIR principles and how they related to Open Science.

Learning Objectives

1. Define research data management, research data, and metadata and explain why they are important.
2. Explain the research data life cycle.
3. Identify the FAIR principles and give a short description of each.
4. Define Open Research and explain the benefits and challenges of Open Research and the FAIR Principles.

Research Data

We all know what research data is, right? I mean, it's data from research. The meaning is clear. Crisis averted. We can all go home. Or maybe not... The problem starts when we delve a little deeper into what we mean by "data".

The University of Vienna considers research data to be "all information (irrespective of its form or presentation) that supports or validates research activities (development, results, observations or findings, including contextual information). Research data comprise all materials that are created in the course of academic work, including records, source research, experiments, measurements, surveys and interviews, as well as software and code. Research data may take on various different forms: during the lifespan of a research activity, data may exist as gradations from raw data to processed data (and even include negative and inconclusive results)".

What a mouthful, but the punchline is that your research data is a lot more than just the individual measurements you used to formulate your newest figure or validate your most recent hypothesis. Your research data certainly includes those things, but all

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Interactive sessions (2x 3h in-person)

- Room for questions that came up during the self-study
- Application of the acquired RDM knowledge:
 - Writing a DMP for their PhD project
 - Develop file organization and naming schemes for exemplary research projects
 - Solve "licensing scenarios"
- Snacks

Data Steward Certificate Course

- Part-time further education program based on the certificate course “[Data Librarian](#)”, on the results of the [FAIR Data Austria project](#) and similar courses (such as [DataTrain](#) or [Zertifikatskurs FDM](#) in Germany)
- **Academic degree:** Certificate of the University of Vienna
- **Language:** English
- **Duration and scope:** 2 semesters/15 ECTS credits
- **Target groups:** Researchers and research support staff
- **Costs:** 2950 €

GOAL: To upskill existing staff and prepare new hires for the challenging role of data stewards

Data Steward Course 2022-2023

- 25 participants from 10 countries
- **Research disciplines** including arts and humanities, social science, natural and life sciences, computer science

"Great session with very interesting and fruitful discussion. Definitely content that will help with the work in the data stewardship field."

"I was very impressed by the quality of the instructors, the organization and the material presented."

Next Actions

- **Second round** started in **October 2023**
 - 26 participants from 12 countries incl. Japan and USA
- Possibilities for **international collaboration**
 - Finnish national Data Steward Training Program
 - Latvian national Data Steward Program

Next Actions

- Legal Helpdesk for Research Data Management (integration training)
- Growing Commitment by PIs and Departments to PhD Training
 - Commitment to RDM Course Enrollment
 - Mandatory Data Management Plans
- Erasmus+ project RAQMYAT with Tunisian Universities
 - Development of Self-Study Training Modules on RDM

Thank You!



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For more information about the University of Vienna Data Stewards and Research Data Management Team, go to rdm@univie.ac.at or follow the QR code.

