"Data Steward" Certificate Program at the Vienna University Library

Online Information Event

April 18, 2024

Agenda

- Data Stewards: Role, Tasks, Competences

- "Data Steward" Certificate Program

  - Basics

  - Target Groups and Admission Requirements

  - Modules and Content

  - Course Dates

- Q & A

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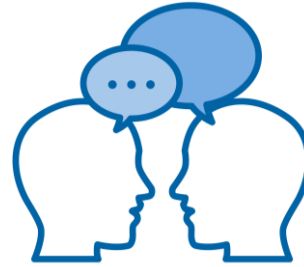# Who are Data Stewards and why do research institutions need them?

Data Stewards: Role

Data Stewards: Role

Networking and collaborating (inter)nationally

Providing advice and support to researchers

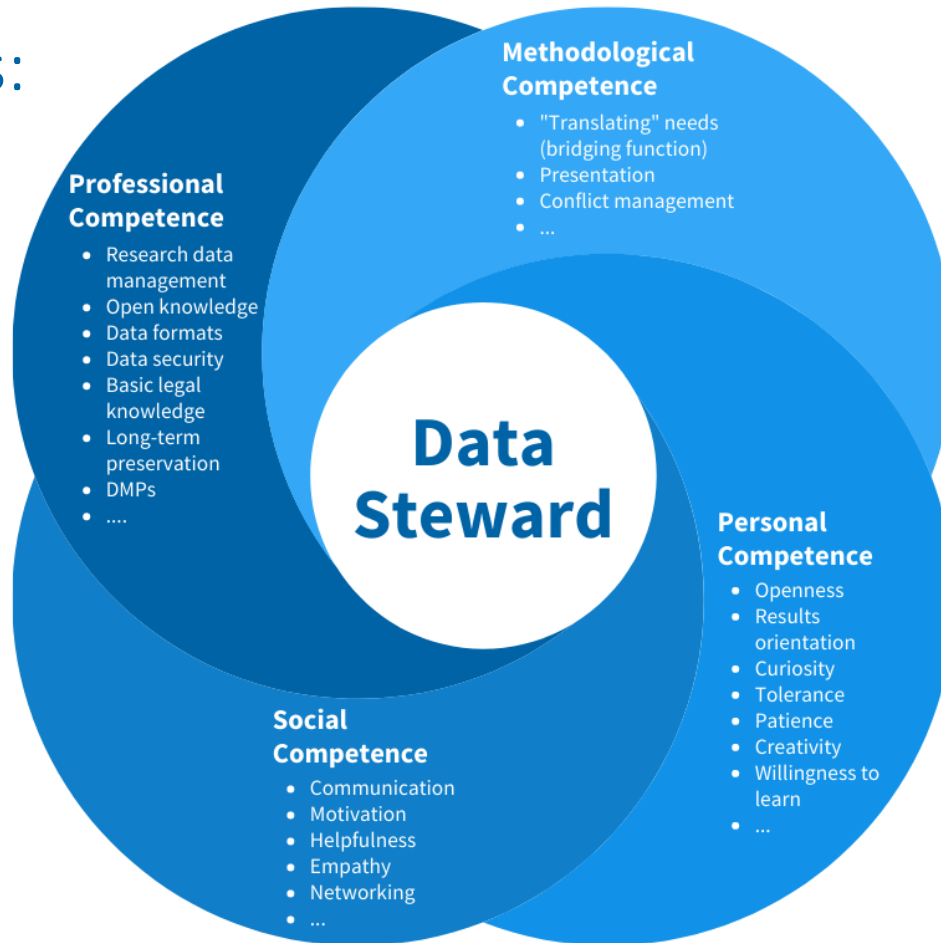Data Stewards: Task Areas

Designing and delivering training

Conducting needs-assessments and requirements engineering

Bridging the gap between researchers and support staff

Data Stewards: Competences

Professional Competence
- Research data management
- Open knowledge
- Data formats
- Data security
- Basic legal knowledge
- Long-term preservation
- DMPs
- ....

Methodological Competence
- "Translating" needs (bridging function)
- Presentation
- Conflict management
- ...

Data Steward

Personal Competence
- Openness
- Results orientation
- Curiosity
- Tolerance
- Patience
- Creativity
- Willingness to learn
- ...

Social Competence
- Communication
- Motivation
- Helpfulness
- Empathy
- Networking
- ...

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Source: Gruber, A. et al. (2021): Kompetenzen für Data Stewards an österreichischen Universitäten. DOI

Data Steward Certificate Program

Competence Acquisition

Peer-to-Peer Learning

Community

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Data Steward Certificate Program : The Basics

- 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 €

Academic Director:
Prof. Claudia Plant

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Target Groups and Admission Requirements

- **Target Groups**
  - Researchers, PhD students
  - Research support staff (such as library, IT …)
- **Admission Requirements**
  - University entrance qualification examination or a completed apprenticeship + several years of relevant work experience
  - OR a completed Master's degree / diploma degree program
  + English language skills (min. B2)

In English or German

Application:
- Application form
- Motivation letter
- Resume
- School/University certificates and diplomas
- Optional: Recommendation letter from employer

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Data Steward

Communication & Media

Data Steward ▼
Content and objectives
Dates
Lecturers and Experts
Qualification profile
Mailinglist
Online Information Event
Application

Your registration in three steps

1 Fill out the form below and upload your documents.

2 Check your details in the second step and confirm the sending of your application for admission with "Next".

3 You will receive a confirmation email within a few minutes (if not, please check your spam folder or contact our program management).

Follow Postgraduate Center

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Modules

- **Module 1 (2 ECTS)** *in Vienna:* Basics of Research Data Management and Open Science

- **Module 2 (3 ECTS) online:** Basics of IT und Data Science

- **Module 3 (6 ECTS) online:** FAIR Research Data in the Life Cycle

- **Module 4 (2 ECTS) online:** Research Data Management Support

- **Module 5 (2 ECTS) online:** Data Stewardship in Practice: Project Work
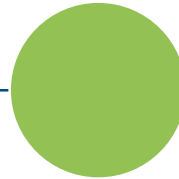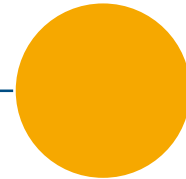

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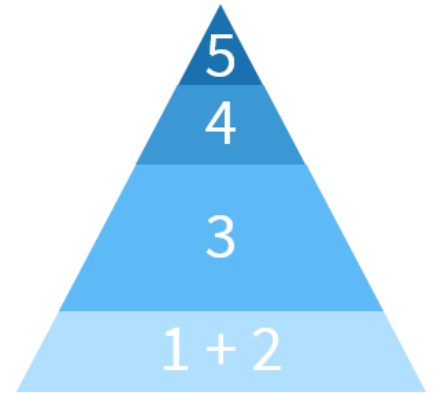
Teaching
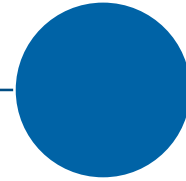
Researchers and RDM support staff
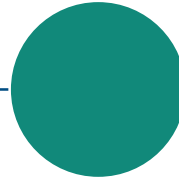
(Inter)national perspectives: Austria, Spain, The Netherlands, Belgium and Germany

Hands-on workshops and self-study phases

Practical (elective) assignments

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Module 1: Basics of Research Data Management and Open Science

Introduction to:

- Research data management
- Good scientific practice and research integrity
- Open Science
- Cost estimation and financing models
- Legal and ethical aspects
- Role and tasks of data stewards at research institutions

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Module 2: Basics of IT and Data Science

Introduction to:

- Data science and data-driven research

- Machine learning

- Database systems

Basics of programming (based on the Carpentries curriculum):

- Unix Shell

- Git and GitHub

- Working with Python

Module 3: FAIR Research Data in the Life Cycle

Research data life cycle:

- Project management and funding landscape

- Data management plans (DMPs)

- Data organization and curation

- Metadata and research data documentation

- Data visualization

- Data security and storage

- Repository management and long-term preservation

- Interoperability and data migration

- Data reuse (incl. legal requirements)

Module 3: FAIR Research Data in the Life Cycle/2

Discipline-specific approaches to data stewardship in the:

- Natural and life sciences

- Humanities

- Social sciences

- Technical sciences

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Module 4: Research Data Management Support

- Developing research data management support services

- Designing and delivering training

- Conducting needs-assessments and requirements engineering

Module 5: Data Stewardship in Practice: Project Work

Individual or group project applying the acquired skills and knowledge to data stewardship practice, such as:

- Advising strategy

- Training course

- Educast (educational video)

- Needs-assessment for a specific target group

- Board game

- Research data management policy

- …

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Course Dates

Module 1: In Vienna

- **4-8 lessons** per day
- 1 lesson = 45 minutes
- Start: Monday 10 am
- End: Friday 12.30 pm

Modules 2-4: Online

- **6-8 lessons** per day
- 1 lesson = 45 minutes

Attendance is mandatory 80 % per module!

Date	Module	Location
14.-18.10.2024	Module 1: Basics of Research Data Management and Open Science	in Vienna
14.-15.11.2024 12.-13.12.2024	Module 2: Basics of IT and Data Science	online
16.-17.01.2025 13.-14.02.2025 13.-14.03.2025 10.-11.04.2025	Module 3: FAIR Research Data in the Life Cycle	online
15.-16.05.2025	Module 4: Research Data Management Support	online
May-July 2025	Module 5: Data Stewardship in Practice: Project Work	online

The First Two Years …

First Round 10/2022-09/2023

- 25 participants from 10 countries
- Research disciplines: Arts and humanities, social science, natural and life sciences, computer science …
- Current positions: Librarians, data stewards, researchers …

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

Second Round 10/2023-09/2024

- 26 participants from 12 countries
- Research disciplines: Arts and humanities, social science, natural and life sciences, law …
- Current positions: Librarians, data stewards, researchers …

"All of the presenters were well prepared and at the top of their respective field."

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Want to become a research data steward?

Apply by June 30, 2024!

Certificate course "Data Steward" website