



Certificate Course “Data Steward” at the Vienna University Library Online Information Event

May 8, 2023

Agenda

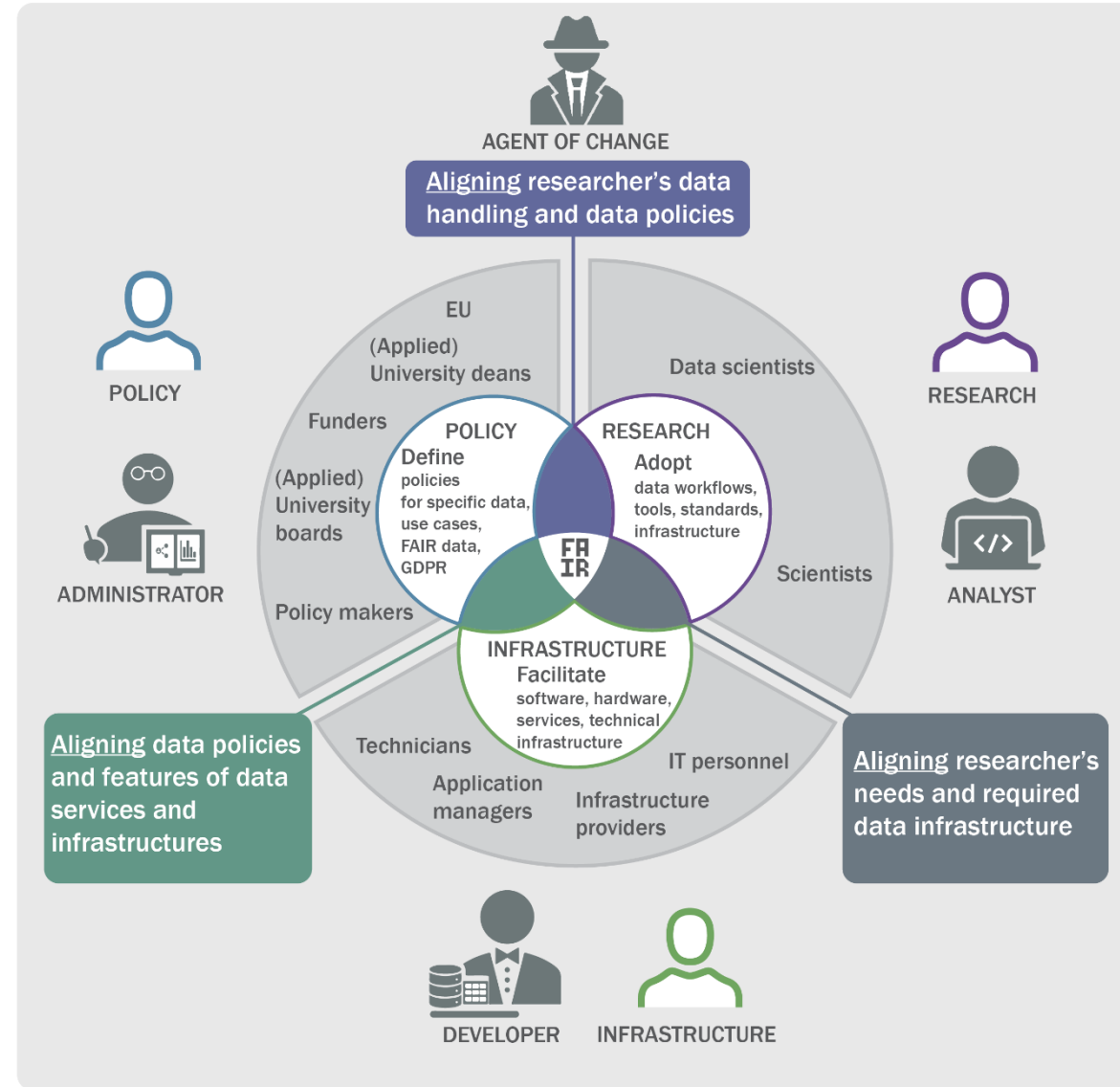
- Data Stewards: Role, Tasks, Competences
- Certificate Course Data Steward
 - Basics
 - Target Groups and Admission
 - Modules and Content
 - Course Dates
- Q & A





Who are data stewards and why do research institutions need them?

Data Stewards: Role

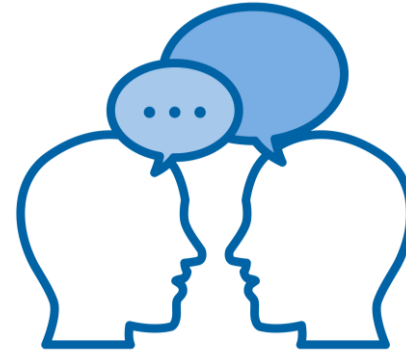


Frederike Schmitz. (2020). [The roles of data stewards in the data stewardship landscape identified in Denmark and the Netherlands](#). Zenodo, [CC-BY 4.0](#)

Data Stewards: Role



Networking (inter)nationally



Providing support

Delivering training



Data Stewards: Tasks



Conducting needs
assessments and
requirements
engineering



Connecting researchers and research infrastructure



Data Stewards: Competences



Source: Gruber, A. et al. (2021):
Kompetenzen für Data Stewards an
österreichischen Universitäten.
DOI: [10.31263/voebm.v74i1.6255](https://doi.org/10.31263/voebm.v74i1.6255)

Certificate Course Data Steward



Competence
acquisition



Peer-to-peer learning



Community

Certificate Course Data Steward: 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 further 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
- **Costs:** 2950 €
- **GOAL:** To prepare existing and new staff for the challenging new roles of data stewards

Scientific 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

Data Steward



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).

Application "Data Steward"

Required fields are marked with a red square

Start*	<input type="checkbox"/> Winter semester 2023/24
Gender*	female
Academic degree(s)	

Communication & Media

Data Steward

- Content and objectives
- Course Dates
- Lecturers and Experts
- Qualification profile
- Mailinglist
- Online Information Event
- Application

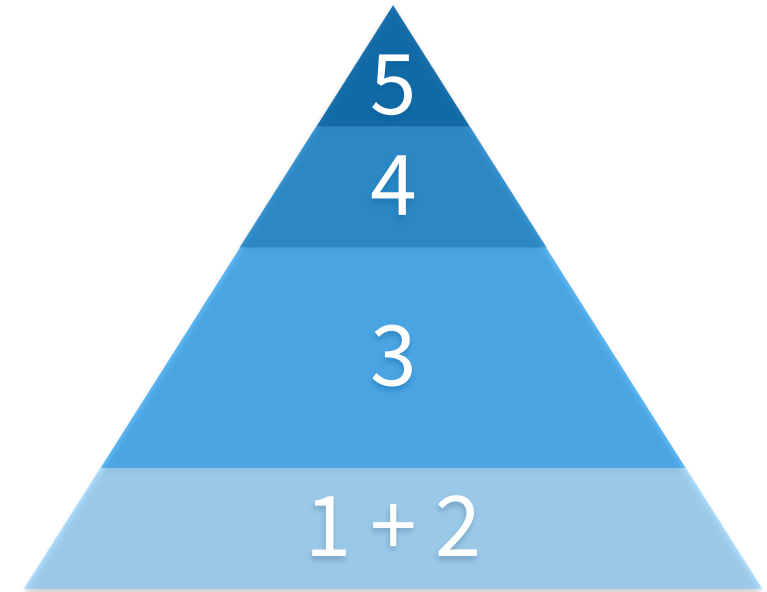


Contact

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Modules

- **Module 1 (2 ECTS):** Basics of Research Data Management and Open Science
- **Module 2 (3 ECTS):** Basics of IT und Data Science
- **Module 3 (6 ECTS):** FAIR Research Data in the Life Cycle
- **Module 4 (2 ECTS):** Research Data Management Support
- **Module 5 (2 ECTS):** Data Stewardship in Practice: Project Work



Module 1: Basics of Research Data Management and Open Science

Introduction to:

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



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 Data in the Research Data Lifecycle/1

Research data life cycle:

- Project management and funding landscape
- Data management plans (DMPs)
- Data organization and curation
- Data visualization
- Metadata and research data documentation (incl. persistent identifiers, ontologies, etc.)
- Data security and storage
- Repository management and long-term preservation
- Interoperability and data migration
- Data reuse (incl. legal requirements)



Module 3: FAIR Data in the Research Data Lifecycle/2

Discipline-specific approaches to data stewardship in the:

- Natural and life sciences
- Humanities
- Social sciences
- Technical sciences



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
- ...



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 %/module!

Date	Module	Location
16.-20.10.2023	Module 1: Basics of Research Data Management and Open Science	in Vienna
16.-17.11.2023 14.-15.12.2023	Module 2: Basics of IT and Data Science	online
18.-19.01.2024 15.-16.02.2024 14.-15.03.2024 11.-12.04.2024	Module 3: FAIR Research Data in the Life Cycle	online
02.-03.05.2024	Module 4: Research Data Management Support	online
May-June 2024	Module 5: Data Stewardship in Practice: Project Work	online

First Round 2022/2023

- 25 participants from 10 countries
- **Academic disciplines:** Arts and humanities, social sciences, natural and life sciences ...
- **Occupations:** Research support staff such as librarians or IT staff; data stewards; researchers ...

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

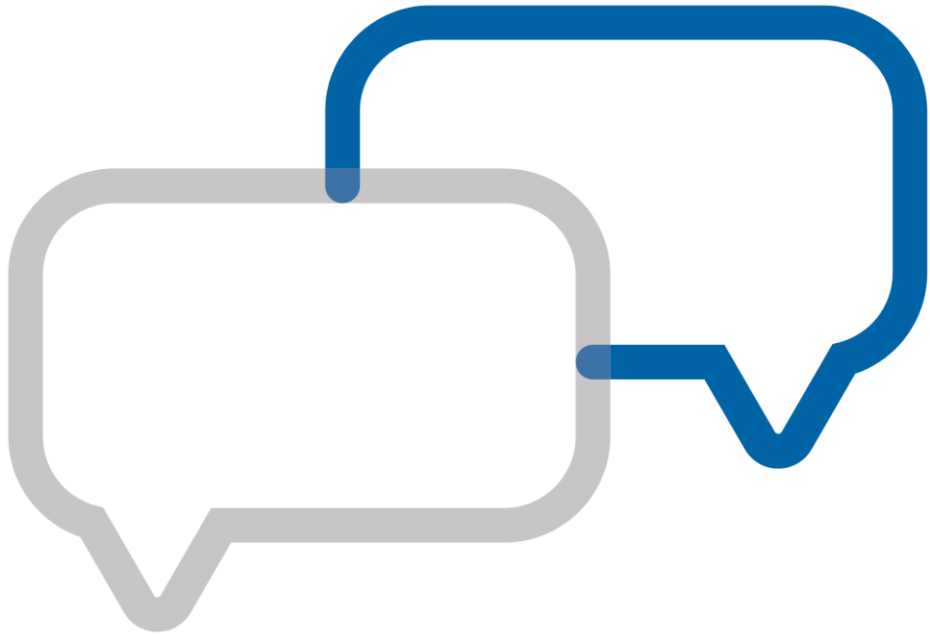
“All of the presenters were well prepared and at the top of their respective field.”

“The agenda was just right to allow for lots of discussions and networking.”

**Want to become a
research data steward?
Apply by June 30, 2023!**



[Certificate course "Data Steward" website](#)



We look forward to your application!

Prof. Claudia Plant, Scientific Director

Faculty of Computer Science, University of Vienna

Tereza Kalová, Scientific Coordinator

Vienna University Library, University of Vienna

Karin Faktor, Program Management

Vienna University Library, University of Vienna

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