

# 5 Data Stewards per 100 Researchers?!

## The Development of a Certificate Course “Data Steward” at the University of Vienna

23.09.2021, Open Science Fair 2021, Lightning Talks: Session A

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## Agenda

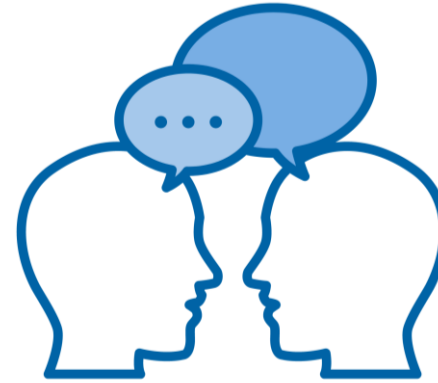
- Data Steward: Tasks and Competences
- Certificate Course „Data Steward“
  - Timeline
  - Current status
  - Modules
  - Next steps

## Why a Course for Data Stewards?

- *“We estimated that Europe will have at least 10 million serious data producers among its 70 million science and technology professionals and 1.7 million researchers. So **we will need to educate about 500,000 data stewards** of various kinds to support researchers through experimental design and data capture, curation, storage, analytics, publication and reuse. These tasks are too complex and time-consuming to leave to researchers.”*

— Barend Mons

Mons, B. (2020). Invest 5% of research funds in ensuring data are reusable. Nature, 578(7796), 491. <https://doi.org/10.1038/d41586-020-00505-7>



## Data Steward: Tasks



Sources: Gänsdorfer, N. (2020): Gespräche mit Data Stewards: Anforderungen, Kompetenzen, Aufgaben. DOI: <https://doi.org/10.25365/phaidra.241>

Kalová, T., Gänsdorfer, N. (2021). Die Rolle von Data Stewards: Analyse aktueller Stellenausschreibungen. DOI: <https://doi.org/10.25365/phaidra.286>

# Data Steward: 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

- Based on the certificate course “[Data Librarian](#)”
  - Expansion of the curriculum and the target groups
- Part-time further education program / Upskilling
- Designed based on the results of the [FAIR Data Austria project](#) and similar further education programs (such as [DataTrain](#) or [Zertifikatskurs FDM](#))
- **GOAL:** To prepare existing and new staff for the challenging new roles of data stewards



**Lead:** TU Graz

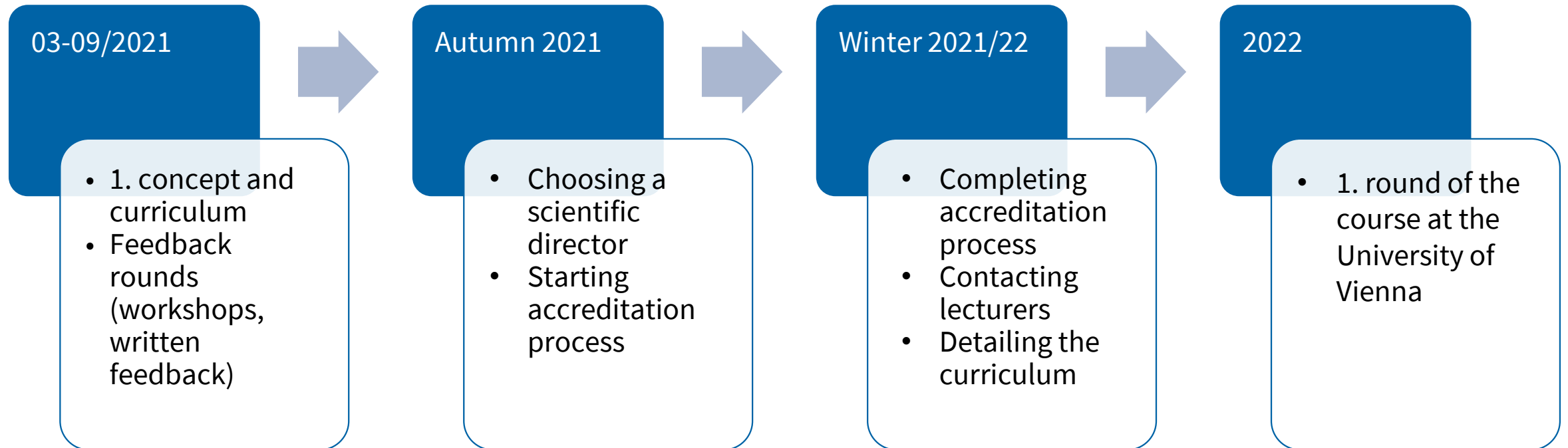
**Main partners:**

- University of Vienna
- TU Wien

**Duration:** 2020-2022

**Financed by** the Austrian Federal Ministry of Education and Research

## Preliminary Timeline



## Certificate Course Data Steward: The Basics

- Workload\*
  - 2 semesters, a combination of:
    - 13 days of online or contact classes (120 hours overall)
    - Self-study (180 hours)
- Diploma
  - Certificate of the University of Vienna (12 ECTS)
- Number of participants: ca. 15-20\*

\*not final

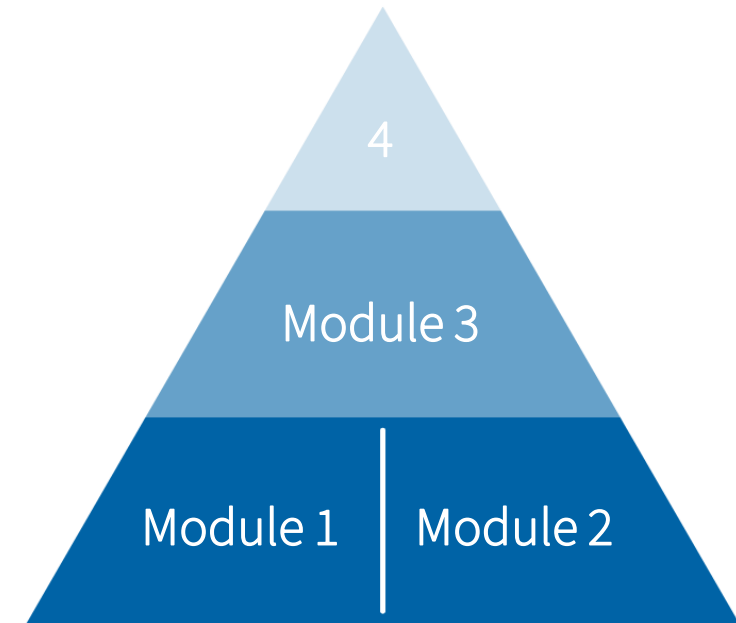


## Target Group and Prerequisites

- Target Group
  - Researchers, PhD students
  - Research support staff (e.g. library, IT)
- Prerequisites
  - Master's degree
  - OR a Bachelor's degree (min. 180 ECTS) + 1 year of relevant work experience
  - OR a high school diploma + 3 years of relevant work experience
  - OR a completed apprenticeship + 5 years of relevant work experience

## Modules

- **Module 1:** Introduction to Research Data Management, Data Stewardship and Open Knowledge (such as good research practice, legal aspects, financing models)
- **Module 2:** Basics of IT und Data Science
- **Module 3:** FAIR Data in the Research Data Lifecycle (such as DMP, file formats, metadata, repositories)
- **Module 4:** RDM Support (such as consulting, training, needs assessment, requirements engineering)



## Next Steps

- Choosing a scientific director
- Completing the formal accreditation process
- Contacting potential lecturers and trainers
- Detailing the curriculum



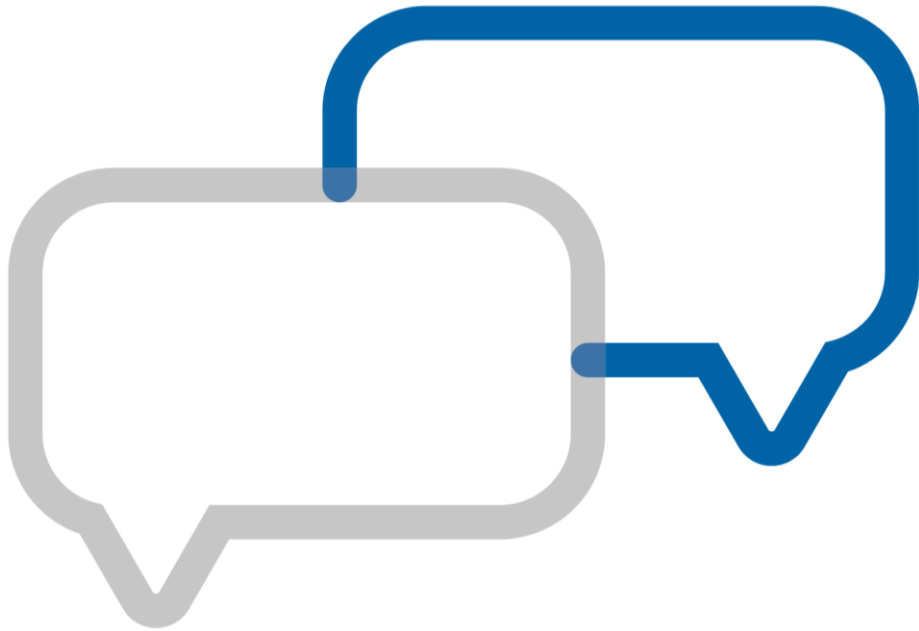
First round planned for 2022



# CERTIFICATE COURSE DATA STEWARD COMING SOON TO THE UNIVERSITY OF VIENNA!

Stay tuned ...

## Thank you and get in touch!



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