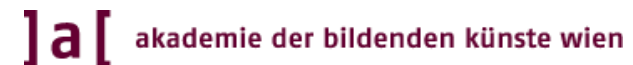# FAIR DATA AUSTRIA

METADATA FOR RESEARCH DATA

WEBINAR SERIES RESEARCH DATA MANGAMENT IN AUSTRIA

02.02.2022, HOSTED BY THE UNIVERSITY OF VIENNA

WEBINAR SERIES RESEARCH DATA MANAGEMENT IN AUSTRIA

The series "Research Data Management in Austria" is aimed at researchers and/or research support staff and serves to promote networking and exchange on various aspects of research data management such as writing a data management plan.

- Slides and recording in the PHAIDRA repository

- Recordings on Youtube

SAVE THE DATE

FAIR Research Infrastructure at Institutions:

Using the example of the University of Innsbruck

- 22 February 2022, 10-11 AM, in German
- [Register](#) on the FAIR Data Austria website

AGENDA

- Finding and Reusing Research Data – Jenny Ostrop, University of Bergen

- Helping You Describe Your Data – Christoph Ladurner, TU Graz

- Q & A

- Metadata, Documentation and Data Management Plans – Elena Fürst and Tereza Kalová, University of Vienna

FINDING AND REUSING RESEARCH DATA

Jenny Ostrop, University of Bergen

Jenny Ostrop is Senior Academic Librarian at the University of Bergen, Norway and has a life science research background. As part of the library research data team, she holds courses and provides guidance on information literacy, open science, and research data management.

HOW TO DESCRIBE YOUR DATA

Christoph Ladurner, Graz University of Technology

Christoph Ladurner has been responsible for the repository at the TU Graz for 10 years now. He is active in international and national projects such as InvenioRDM, FAIR Data Austria and Open Education Austria Advanced.
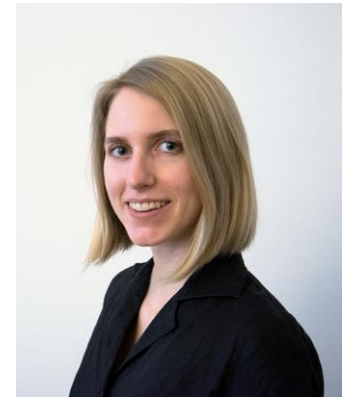
METADATA, DOCUMENTATION AND DATA MANAGEMENT PLANS

Elena Fürst and Tereza Kalová, University of Vienna

Elena Fürst works as a project manager for FAIR Data Austria developing RDM training courses. As part of the RIS Synergy project, she is involved in implementing standardized data interfaces.

Tereza Kalová works as a project manager for FAIR Data Austria. Her work focuses on the design of training courses on research data management and data stewardship.

WHAT IS METADATA FOR RESEARCH DATA?

"When you have a data file, you need to somehow understand months and years later what this data file is about and the metadata is the context that allows you to understand the file. "

Scientist E, 2019

Kalová, T. (2020). Creating Needs-Based Metadata and Research Data Management Services: Exploring the Requirements of Scientists. *Young Information Scientist*, *5*, 31–46. https://doi.org/10.25365/yis-2020-5-3

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METADATA, DOCUMENTATION AND DATA MANAGEMENT PLANS
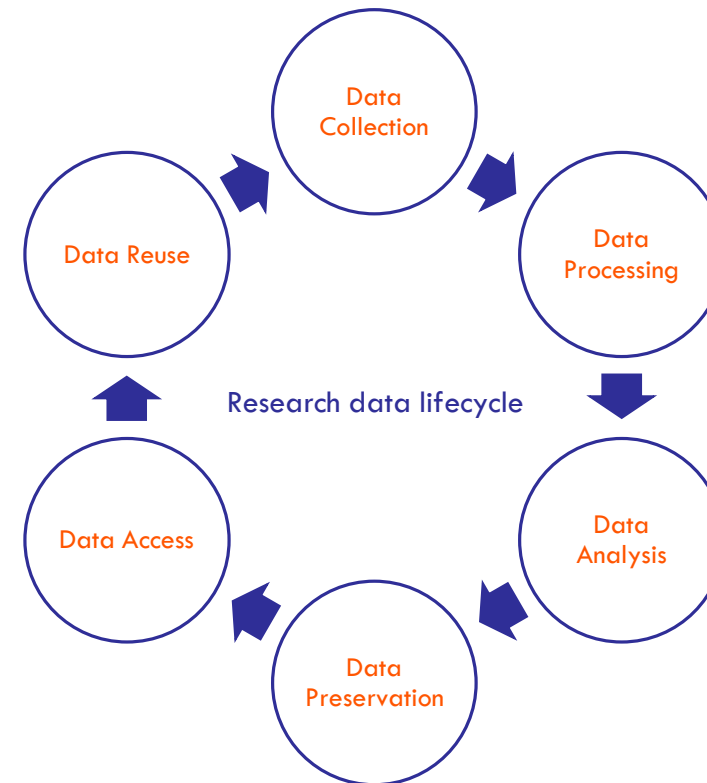
ELENA FÜRST, TEREZA KALOVÁ

DATA MANAGEMENT PLAN (DMP): WHAT AND WHY?

DMP = Living, written **document** (templates, checklists, software tools etc.)

- What data will be generated and how?
- How will the data be managed, described, analysed and stored?
- How will the data be shared and preserved?

Why do we need DMPs?

- Not just a requirement for funding
- Plan and organise data collection
- Documentation
- Prevents data loss, data errors, unethical uses of data
- Efficient resource management
- Facilitate access and re-use

Data Collection

Data Processing

Data Analysis

Data Preservation

Data Access

Data Reuse

Research data lifecycle

METADATA IN DATA MANAGEMENT PLANS

- Finding & reusing research data

- Metadata in repositories

- **Metadata and documentation in DMPs**
  - **What metadata and documentation will accompany the data?**
  - Organising the data
  - Metadata standards
  - Naming conventions
  - Folder structures
  - Version control strategy

METADATA IN DMPS: HANDS-ON

- AfriAlliance (https://afrialliance.org/)
  - Horizon2020 project
  - The **main objective** of AfriAlliance is for African and European stakeholders to work together in the areas of water innovation, research, policy, and capacity development to prepare Africa for future Climate Change challenges.
  - Data collection: survey, interviews, inventories, etc.
- DMP AfriAlliance: What metadata and documentation will accompany the data?
  - **Collaborate** in Google Document (Link in chat)
  - Discuss in break-out-rooms
  - 5 paragraphs: Metadata, Keywords, Documentation etc.
  - Use the **comment** function to engage with the text: Suggestions, questions, critical remarks etc.

DON'T PANIC!

- Find support at your research institution
  - Libraries
  - Research Services
- [Support for FAIR research in Austria](#)
- [Research Data Management Support Services in German-speaking countries](#)
- [Open Science in Norway](#)

METADATA & DOCUMENTATION

- Read about metadata and documentation of research data

- Create a ReadMe file

- Look up metadata standards in the RDA Metadata Directory

- Search for a repository by metadata standard on re3data

- Find a controlled vocabulary in BARTOC

- Learn about persistent identifiers (PID) and licenses for your data

DMP TOOLS

- [argos](#) joint platform of OpenAIRE and EUDAT for the creation of FAIR-compliant DMPs

- [DMP Online](#) Digital Curation Centre (DCC)

- [RDMO](#) DMP Tool

DMP GUIDELINES AND TEMPLATES

- [Oregon State University](#) (general template for a DMP)

- [Data Management Plan template Leiden University](#)

- [Data Management template FWF](#) and more information

- [FWF Data Management Plan](#) Evaluation Rubric

- Michener, William K. (2015): [Ten Simple Rules for Creating a Good Data Management Plan.](#) PLOS Computational Biology, 22nd Oktober.

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DMP EXAMPLES

- [CORDIS / European Commission DMP Examples](#), 2021, collection of over 800 completed DMPs from approved EU projects

- [Zenodo DMP collection](#)

- [Digital Curation Centre (DCC) DMP collection](#)

- [Data Management Plan Catalogue LIBER](#) (Association of European Research Libraries)

CONTACT

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