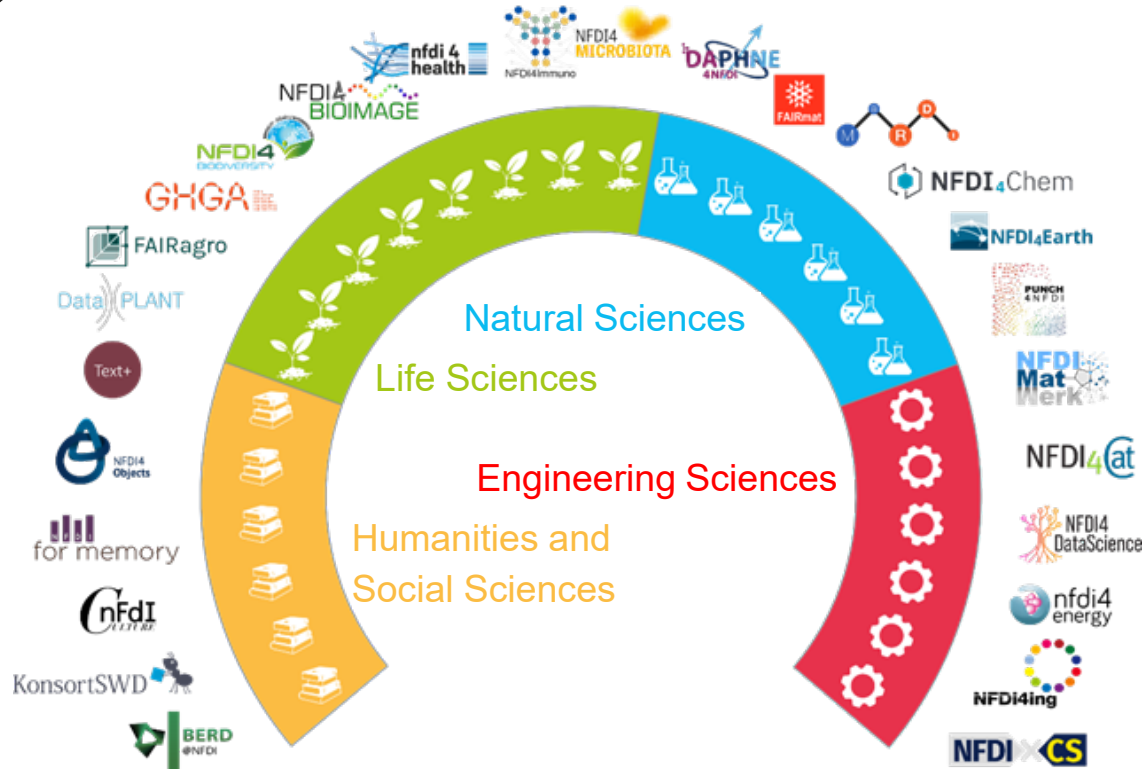# Data competencies: training, education, qualification for researchers and data stewards

EOSC Symposium Unconference | 22.10.2024 | Berlin

Programme

1. Introduction to NFDI, Training & Education and DALIA

2. Panel discussion

3. Plenary discussion

4. Wrap up

National Research Data Infrastructure in Germany

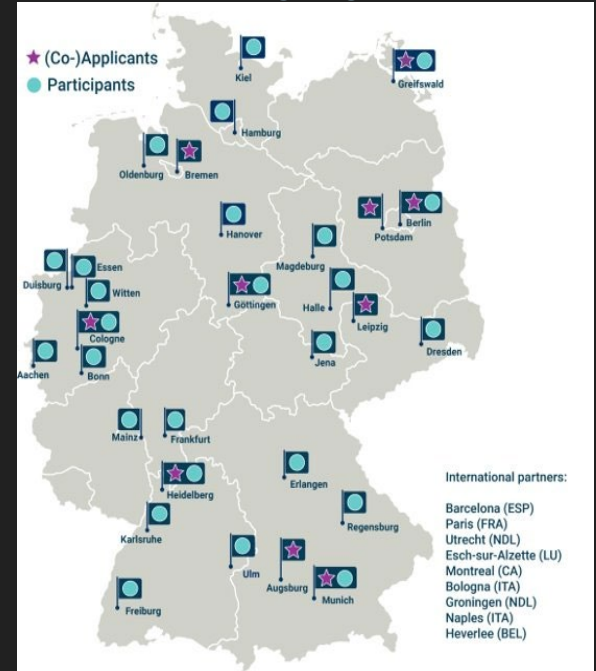**National Research Data Infrastructure for Personal Health Data**

Our mission:

To increase the value of research in

- epidemiology

- public health

- clinical trial-based medicine

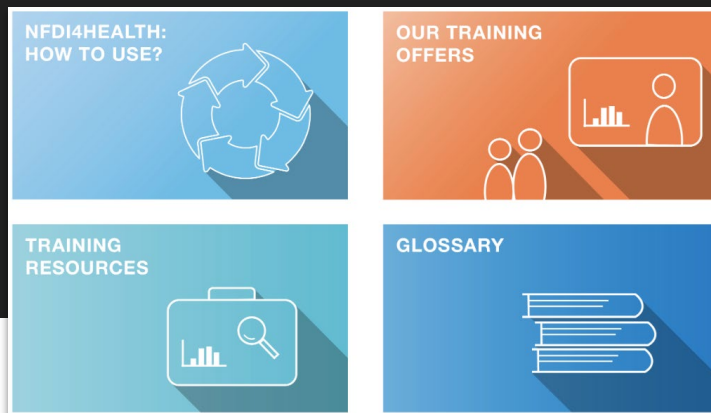by making high quality data internationally *findable* and *accessible* according to FAIR principles.

Data Holding Organisations

www.nfdi4health.de

Training and Education

- Training the next generation of data-savvy researchers & data stewards

- Data competencies
  - DataTrain (cross-domain data steward & data science programme)
  - NFDI4Health specific synchronous/ asynchronous

- EduTrain and ELSA participation

National Research Data Infrastructure for Chemistry (NFDI4Chem)

Our vision:
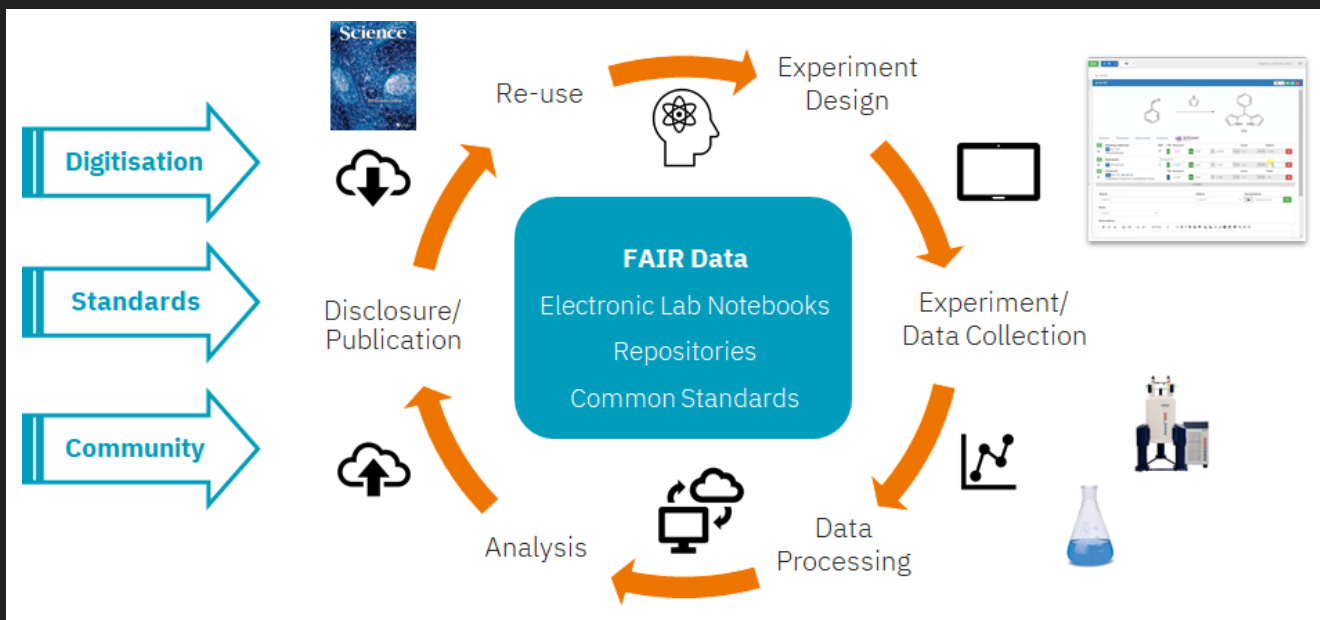
www.nfdi4chem.de

Our partners:

Training and Education in NFDI4Chem

Workshop: FAIR RDM: Basic for Chemists
• RDM entry-level workshops for Chemists (1-2 days, 5-6 h/day)

Chemotion ELN Hands-on Workshops
• Interactive workshop for Chemotion ELN beginners (5-6 h)

Chemotion Live Demo + Q&A Session
• General introductions to the ELN & repository, followed by Q&A (1 h)
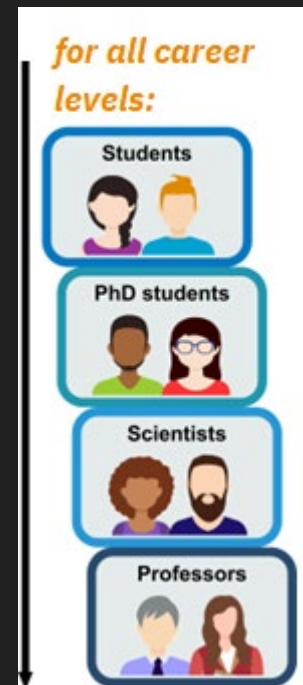
LablMotion: Hands-on Workshop
• Interactive introduction to LablMotion – Chemotion's generic extension (5-6 h)

NFDI4Chem Stammtisch
• Presentations and discussions on a variety of RDM topics (1 h)

Curricular Embedding
• Integration into curricular teaching → Training of future researchers

www.nfdi4chem.de

NFDI4Chem
ENHANCE YOUR DATA.

for all career levels:
Students
PhD students
Scientists
Professors

Section Education & Training (Section EduTrain) in the NFDI

- Cross-cutting topic: All NFDI consortia address data literacy education and training in a bottom-up approach.

- EduTrain is the platform to discuss and harmonize all approaches and solutions to education and training in data literacy.

- EduTrain is working with other stakeholders to develop an NFDI understanding of data literacy.

Section concept: https://zenodo.org/record/6475541#.Yr4NYOzP1PZ

Structure of Section EduTrain

AP 1:
TARGET GROUP AND
REQUIREMENT ANALYSIS

AP 2:
COLLECTION OF
MATERIALS

AP 3:
MODULAR AND
SCALABLE CONCEPT

AP 4:
TEACHING MATERIALS
AND KNOWLEDGE BASE
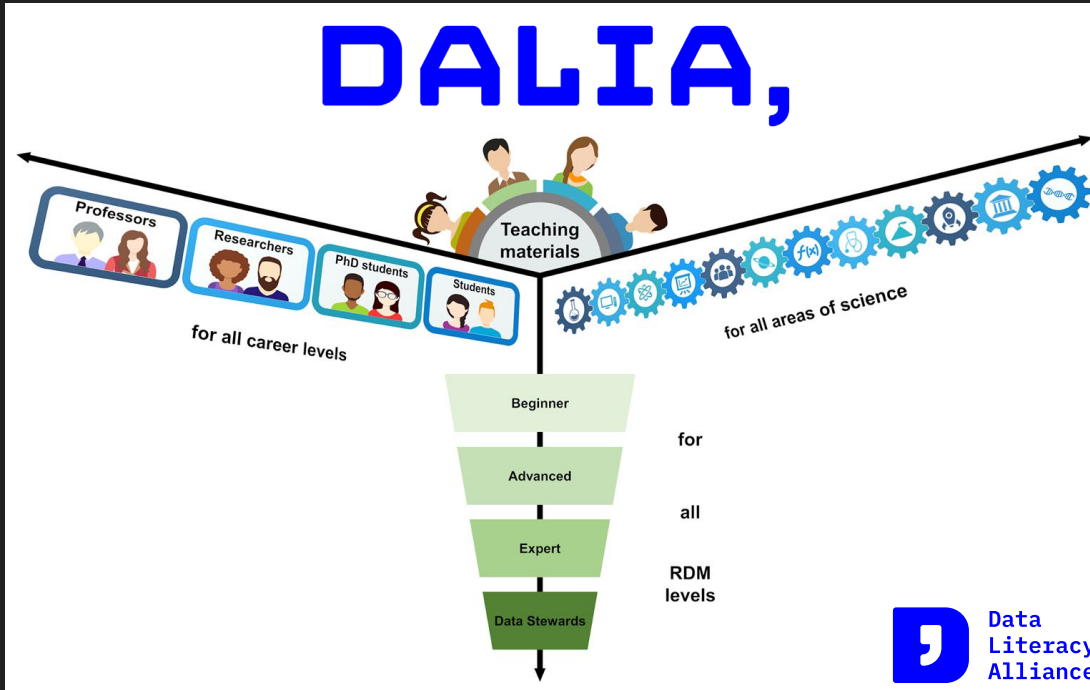
AP 5:
TRAINING FORMATS AND
CERTIFICATE COURSE

AP 6:
QUALITY ASSURANCE
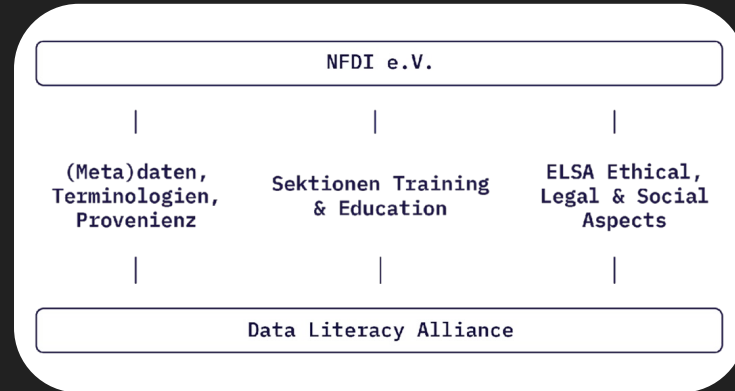AND EVALUATION

AP 7: NETWORKING AND OUTREACH

AP 8: HANDLING OF ERRORS IN SCIENCE

AP 9: RDM HELPDESK NETWORK

nfdi · Section Training and Education

Section concept: https://zenodo.org/record/6475541#.Yr4NYOzP1PZ

DALIA - Knowledge Graph for RDM Educational Resources
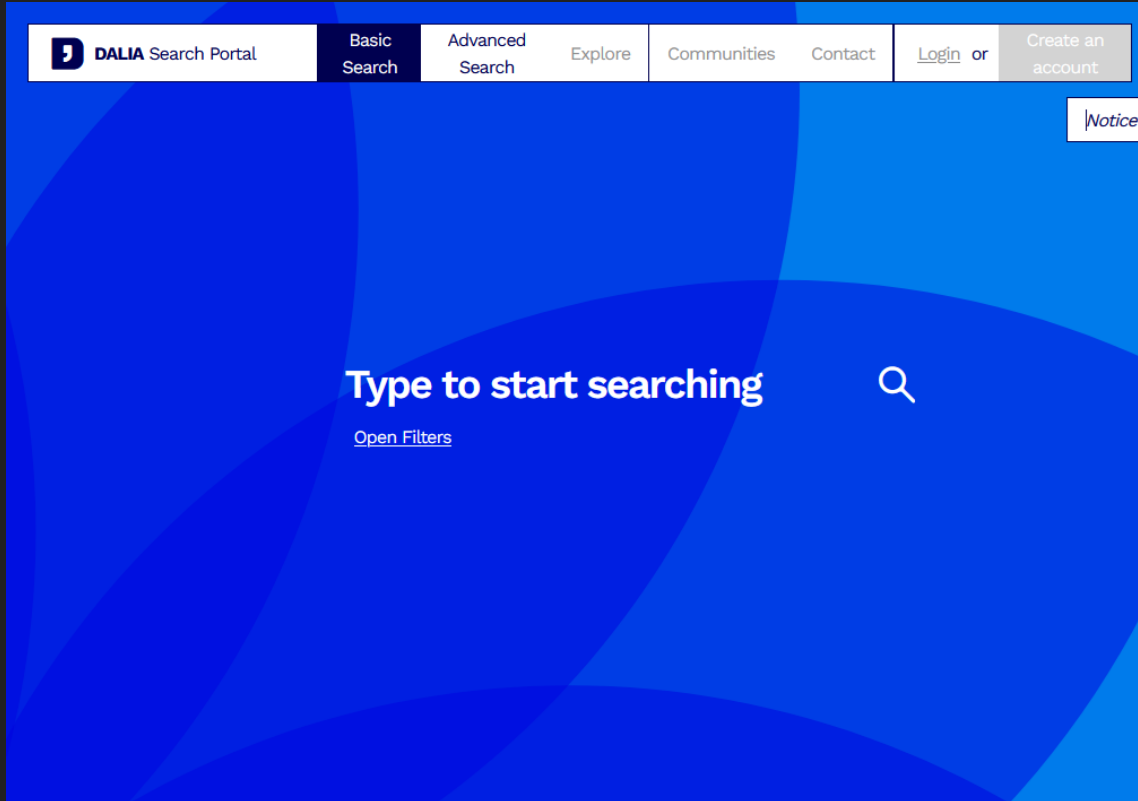
Knowledge graph of the **DA**ta **LI**teracy **A**lliance for FAIR data usage and provision based on semantic web technology

DALIA - Portal to Search for RDM Educational Resources

https://search.dalia.education/

European Level

- [EOSC-A Task Force Data Stewardship, curricula and career paths](#)

- [SKILLS4EOSC](#)

- [GO FAIR](#)

- [FAIRSFAIR](#)

- National initiatives: [NL](#), [DK](#), [A](#), …

- Disciplinary initiatives: [Elixir](#), [DARIAH](#), [CESSDA](#), …

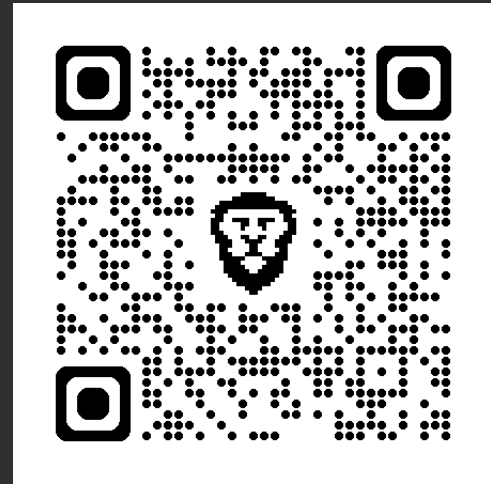- Networks: RDA [professionalising data stewardship](#)

- …

https://slido.com → **#2600118**

Thank you very much!

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NFDI Section EduTrain

Panel & Plenary

https://slido.com

#2600118

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