

ErUM-Data-Hub Report 2025

The Central Networking and Transfer Office
for Digital Transformation in
Research on Universe and Matter

04.12.2025

DIG-UM Annual Meeting

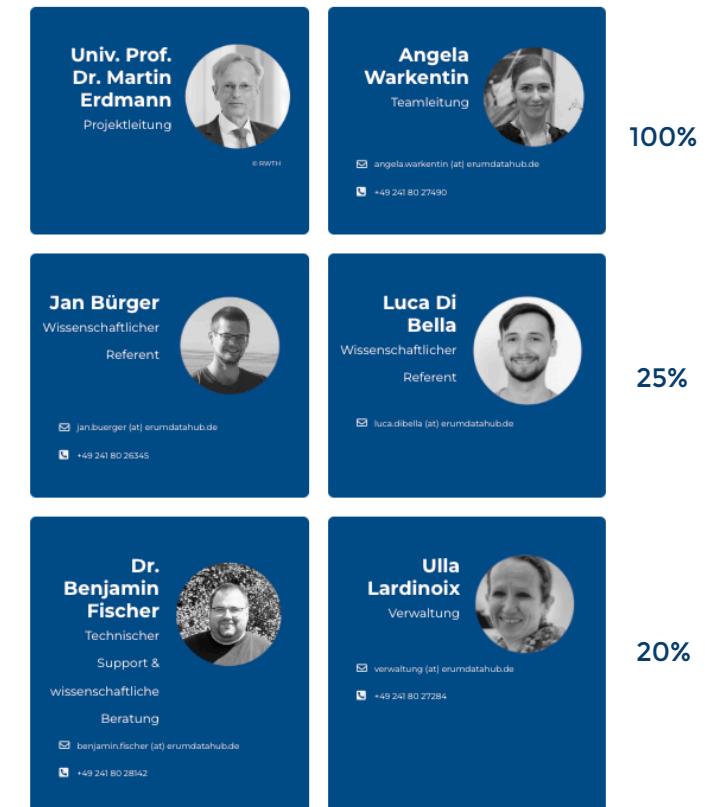
Martin Erdmann, Jan Bürger, Luca Di Bella, Benjamin Fischer,
Ulla Lardinoix, Angela Warkentin (Presenting)



ErUM-Data-Hub: Working for and close with the ErUM-Data Community

The fourth ErUM-Data Hub year:
established activities for the community & new paths

- Advancing digital transformation in basic research
- Enabling networking between ErUM communities
- Identifying and exploiting synergies in ErUM-Data
- Communicating research results to specific target groups
- Transferring knowledge and innovation



Advancing Digital Transformation in Germany: ErUM-Data-Hub Events 2025

1. Deep Learning School „Basic Concepts“
2. Deep Learning Train-the-Trainer Workshop
3. PYOPP Workshop: Publish Your Own Python Package
4. Transfer Workshop: ErUM-Scientists & Industry in Dialogue
5. Shaping the Digital Future of ErUM Research: Sustainability & Ethics
6. Zukunft gestalten mit Verantwortung: KI, Forschung & Nachhaltigkeit
7. Welcome to ErUM-Data: Onboarding



462 ErUM-Scientists reached

+ Supporting:

- 3 DIG-UM Workshops
- 4 ErUM-Data Events & 1 Conference
- Hackathon DPG Regensburg

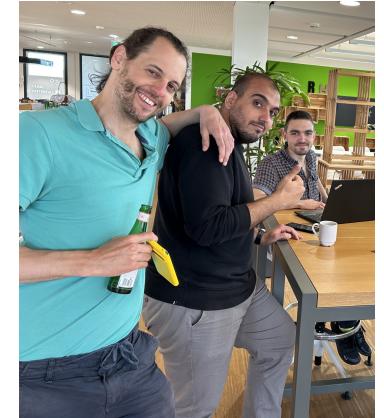


Multidimensional Event Concept: Training Scientists, Creating Multiplicators & Enabling Exchange

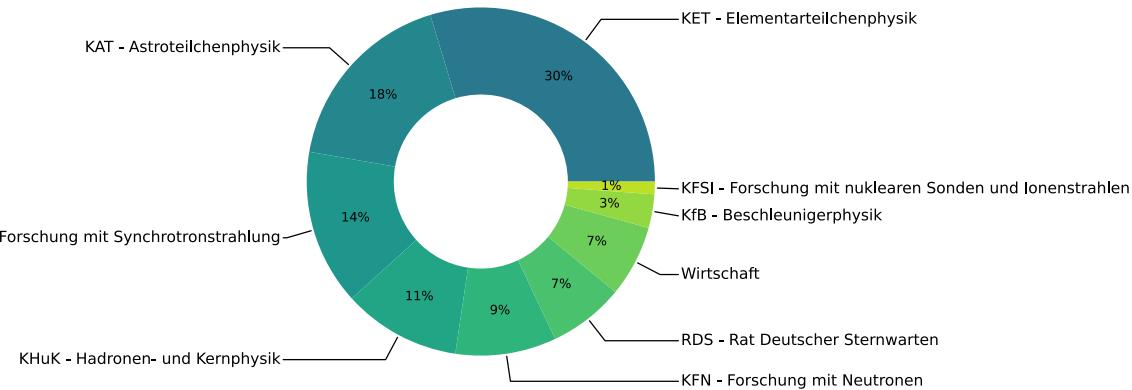
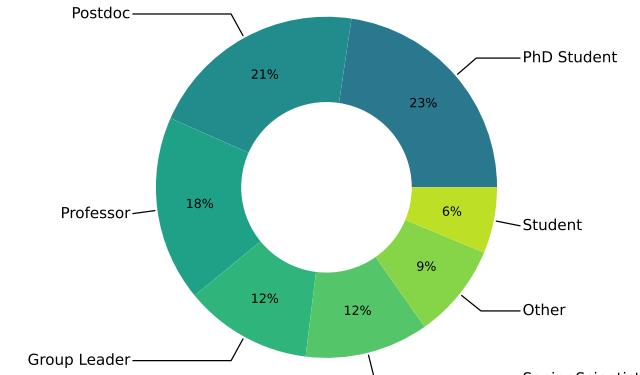
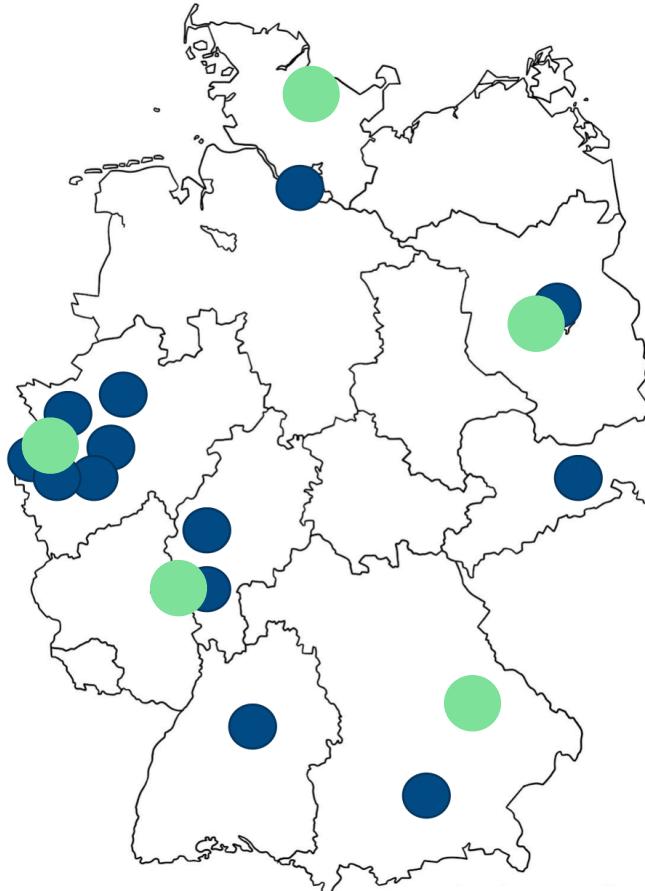


Multidimensional event concept:

- Disseminate digital skills
- Enable exchange
- Identify synergies
- Assess needs
- Intensify networking



Disseminating Digital Competencies to a broad ErUM Audience: 1.482 ErUM-Scientists reached in person since 2022



Strengthening ErUM-Data from within: Centralised Information, Community Support & Room for Exchange

• Exchange & Synergies

- ErUM-Data Knowledge Database

• ErUM-Community visits 2025

- GSI, FAIR (Darmstadt)
- CAU Kiel
- TU Berlin

• Event Support

- Event Package
- Financial Support

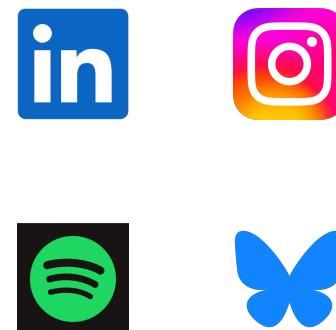
• Community & DIG-UM Initiatives

- Workshops & Meetings
- DIG-UM Award



Strengthening ErUM-Datas Position externally: Representation, Transfer & Collaboration

- **Connecting ErUM-Data & Related Sciences**
 - DPGs & 2 conferences within ErUM
 - 2 conferences in related scientific fields
- **Bridging ErUM-Data & Industry**
 - ISC Fair (in Cooperation)
 - Transfer-Workshop: ErUM & Industry in Dialogue
- **Establishment of first international partnerships**
 - First workshop with HEP Software Foundation demonstrates value for the ErUM-Data Community
- **Target group-oriented information for the public**
 - e.g. Social Media, Podcast, Action Group



Prepared to support the community in facing digital transformation in 2026

Digital transformation - together:

- An **established structure**,
 - actively used by the community
 - and further developed with the community,
- as a **strong basis** for driving forward **digital transformation** in ErUM-Data.

Your Central Networking and Transfer Office for Digital Transformation in Research on Universe and Matter



ERUM-DATA-HUB EVENT PROGRAMME 2026



FEB
6

JULIA IN ERUM: GET STARTED
WORKSHOP

ONLINE



APRIL
13-17

DEEP LEARNING BASICS
SCHOOL

INGELHEIM AM RHEIN



JUNE
18-19

ERUM & INDUSTRY IN DIALOGUE
2ND TRANSFER WORKSHOP

HAMBURG (DESY)



SEP
1-4

ADVANCED DEEP LEARNING
SCHOOL

KIEL

MORE TO BE ANNOUNCED SOON!

