

## ErUM-Data-Hub

The **ErUM\*-Data-Hub** is the central networking and transfer office for the digital transformation in research on universe and matter (German abbreviation for **\*ER**forschung von **U**niversum & **M**aterie).

In Germany, research on universe and matter is organized in 8 ErUM-communities: KAT, KET, KfB, KFN, KFS, KFSl, KHUK and RdS.



The key goals of the ErUM-Data-Hub are to promote networking, intensify exchange, expand digital competencies and enhance communication within the ErUM-Data Community and with the interested public.

## PUNCH4NFDI

**PUNCH4NFDI** is the NFDI\*\* consortium of particle, astro-, astroparticle, hadron and nuclear physics, representing about 9.000 scientists with a Ph.D. in Germany, who are organized in KAT, KET, KHuK and RdS [**\*\*Nationale Forschungsdaten Infrastruktur**].

The prime goal of PUNCH4NFDI is the setup of a federated and FAIR\*\*\* science data platform, offering the infrastructures and interfaces necessary for the access to and (re-)use of data, research software and computing resources of the involved communities and beyond.



\*\*\*Findable, Accessible, Interoperable, Reusable



ErUM = **E**rforschung von **U**niversum & **M**aterie

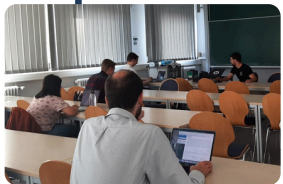
## DATA-DRIVEN AREA



Big Data



Data Management



## EDUCATION & TRAINING

### Digital Competencies

A key goal of both projects is fostering the digital competencies of scientists by organizing schools & workshops

### Network & Transfer

The implementation of these events pursue the goal of transferring knowledge. Furthermore, we support synergy identification and networking.

Data Portal



Data Transformations

Data Irreversibility



The gained knowledge and adressed topics of relevance will be brought into research collaborations and will play a key role in future day-to-day applications (e.g. AI or medicine).