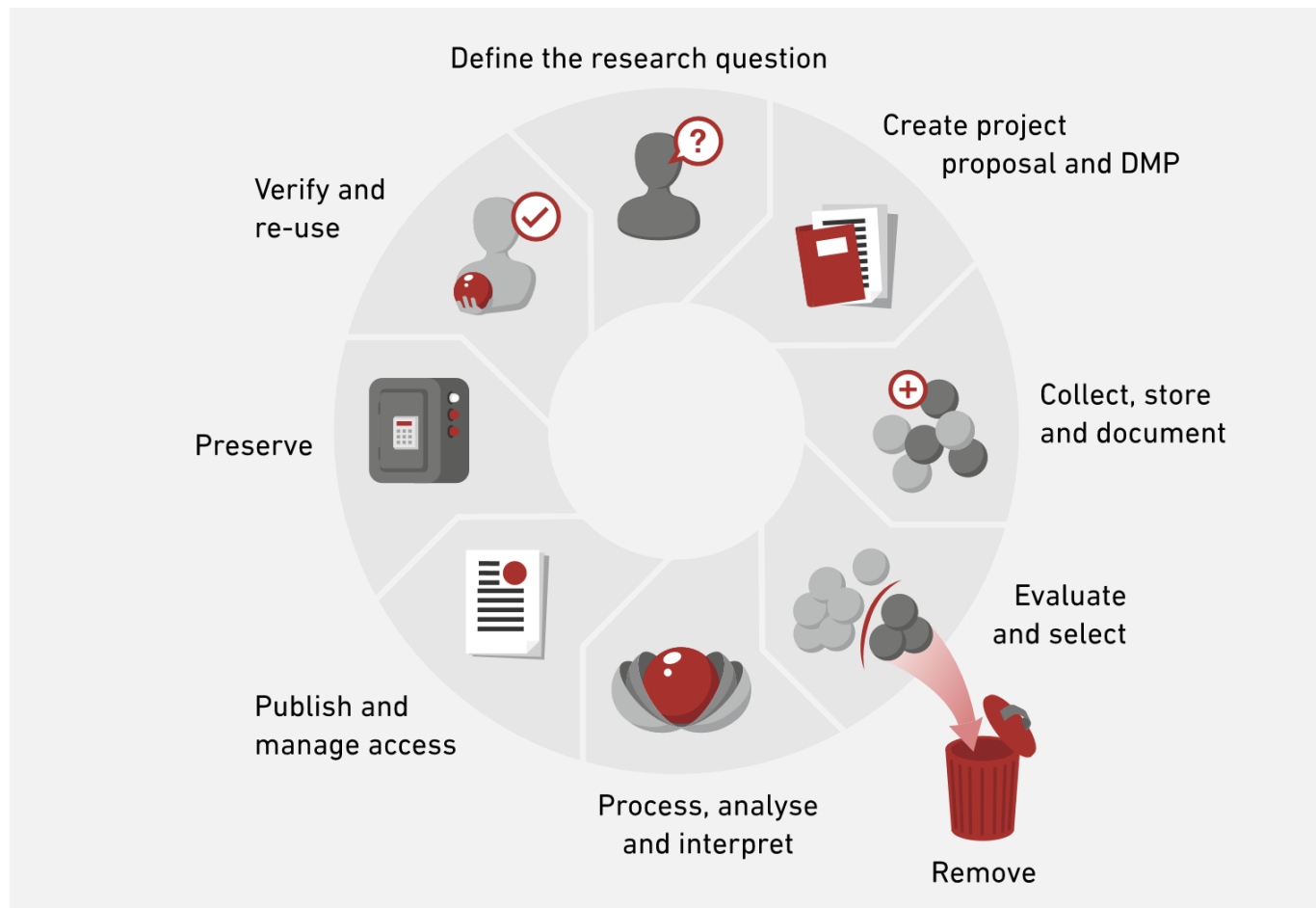


FAU's services research data (management)

Where to put my data? Storage is just not enough.



Research Data Live Cycle, illustration by ETH Zurich

- ONE central contact for everything: forschungsdaten@fau.de
 - FAU CDI
 - UB
 - RRZE
 - (MIK)
- We'll find the right person to answer your question.
- Target audience: FAU and UKEr scientists and students.

- Consulting for single funding projects, theses, ...
- Support for collaborative projects
 - Draft proposal, full proposal, on-site evaluation, active project phase
- Organisation of workshops and hands-on training
 - Regular seminars via FAU's graduate centre
 - Lectures
 - Tailored workshops

- Background storage system depends on actual usage of the data
 - Hot data
 - Warm data
 - Cold data
- Important: Datasets needs to change their classification to make RDM work in reality.

But usually data will not change
it's classification by it's own...

-
- Personal network share (assigned automatically): 50 GB
 - Organizational network share: 250 GB per person (added up)

 - Personal FAUbox: 50 GB
 - „Funktions-FAUbox“: min. 50 GB (always charged)
 - GDPR-safe

 - Collaborative projects (RG, RTG, CRC/TR, EXC): 100 TB

 - HPC/NHR storage

- Gitlab
 - gitlab.rrze.fau.de – IDM + 5 external accounts
 - gitos.rrze.fau.de – DFN AAI
- PostgreSQL database
- Gigamove (RWTH via DFN AAI)
 - 100 GB max. per file, 1 TB in total
 - Automated deletion after 14 days

- Tape archive (12 € / year / TB)
- Repository
 - Discipline specific
 - Generic
 - RADAR (7,50 € / GB / 25 years)
 - Zenodo
 - Institutional: FAUDataCloud Repository
- Challenging & unsolved in most cases: interactive datasets

- Not all data needs to be kept.
- Some data can be reproduced with low effort: just keep code and model parameters.
- Add as much meta information as possible, often missed: objective and licence.

- (Re-)Classify data, clean-up, convert, repack.
- Make data/code attractive for others.

- Data publications impact how often your scientific papers are cited.
- DFG introduced „Publication category B“ (patents, code, datasets, ...).

- HPC / NHR@FAU 😊
- Virtual machines (VMs)
 - High availability, incl. backup: €
 - Compute Cloud: free of charge
 - Self-service, no contracts, ...
 - Not for permanent use
 - GPUs available (maybe not that interesting for HPC users 😊)

- Semantic virtual research workspace „WissKI“ („scientific communication infrastructure“)
- Electronic Lab Notebooks
- Research Data Management Organizer
 - UB service: <https://rdmo.ub.fau.de/>
 - Helps planning and documenting data management
 - Form based structured processing
 - Tailored to funders' obligations
- In set-up
 - PID (in cooperation with HITS FDM project)
 - FDOrganizer (dito)
 - Data Trust Center

- Managing (research) data needs resources!
- Funding agencies support RDM measures (more than „Grundausstattung“)
 - Staff,
 - Repositories,
 - ELNs, ...
 - FAUbox volume upgrade,
 - Workshops, ...
 - ...
- FAU recommends to plan 5% of the total project's budget for RDM
 - Deviations upwards or downwards are possible and often reasonable.

forschungsdaten@fau.de