

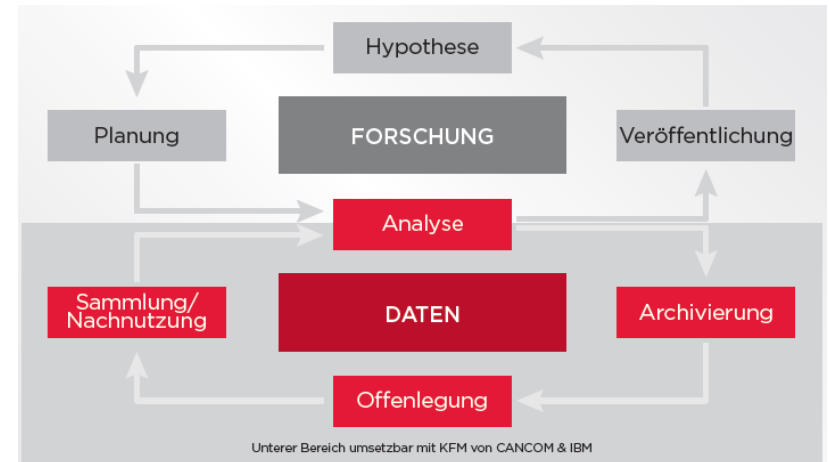
# RESEARCH DATA MANAGEMENT

What is this?

Research Data Management refers to the responsible handling of the rising amount of data during essential aspects of the research process, such as planning, survey, selection, review and deployment.

Goal:

Long-term storage and provision of data for unlimited use in research environments.



# CANCOM IN SHORT

This is CANCOM

CANCOM Group is one of the leading providers of IT Infrastructure and IT services in Germany and Europe.

- approx. 3500 Employees
- 30+ locations in Europe and the USA
- One of the 30 TechDax Companies
- 1.370 Mio. € Group Sales



# RESEARCH DATA MANAGEMENT

Provided by CANCOM & IBM

- Using IBM Spectrum Discover, IBM Cloud Object Storage and IBM Spectrum Scale as well as new software CANCOM & IBM providing the solution to resolve the problem of managing rising amounts of data
- KFM is a system, providing a front-end, as well as storage and a search engine for stored scientific data
- To speed up search processes, scientific data is enriched with metadata at the beginning
- Thereby metadata can be added manually, or automatically using routines and the open API
- The open API can also be used as a way to access the stored scientific data with AI tools (IBM Watson)
- Scientific data at first will be cached in fast storage systems
- Old project data and big data objects will later automatically be transferred to other storage solutions (S3, Tape)



IBM **Spectrum Discover**



IBM **Cloud**  
Object Storage



IBM  
**Spectrum**  
Scale