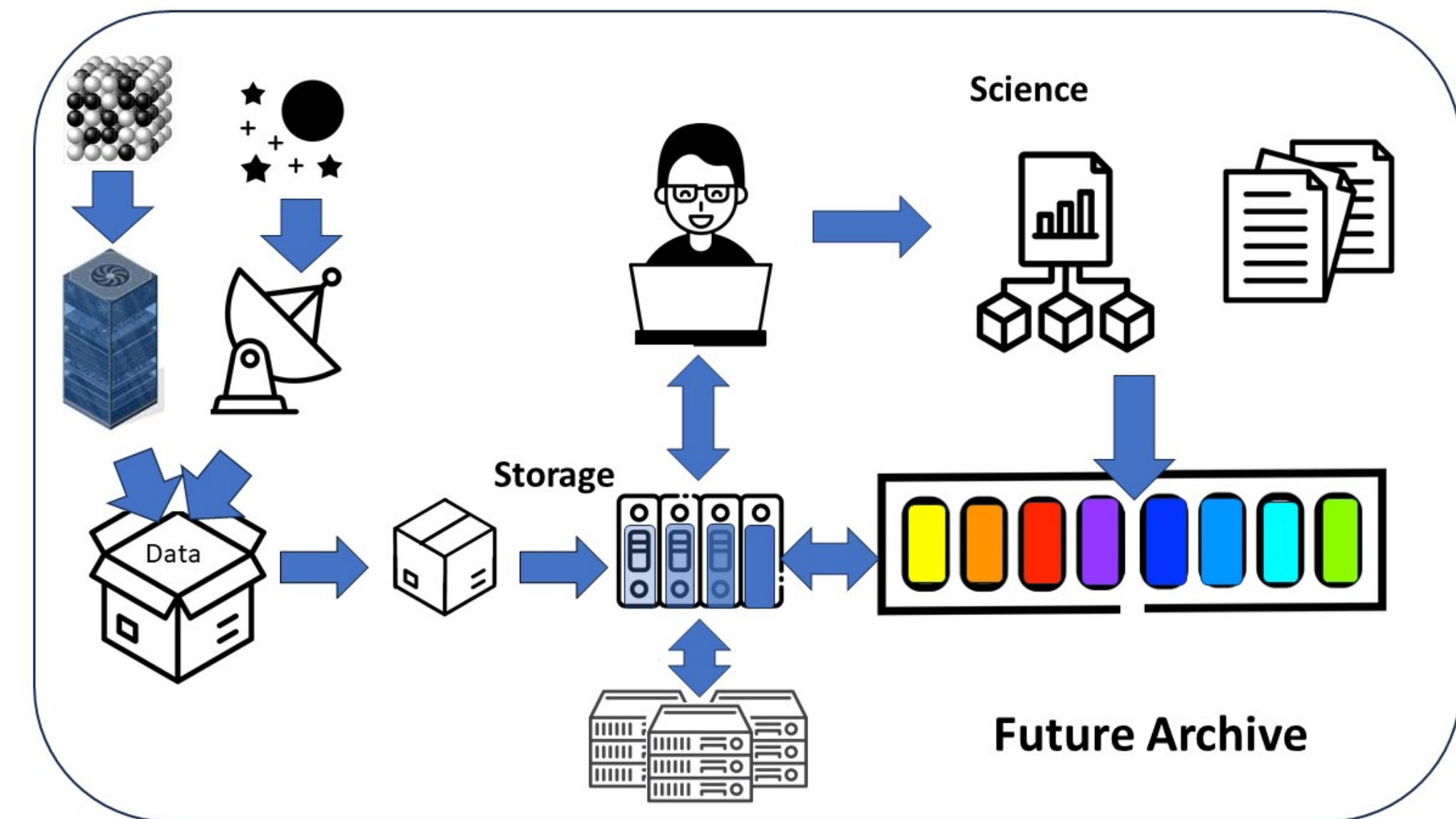
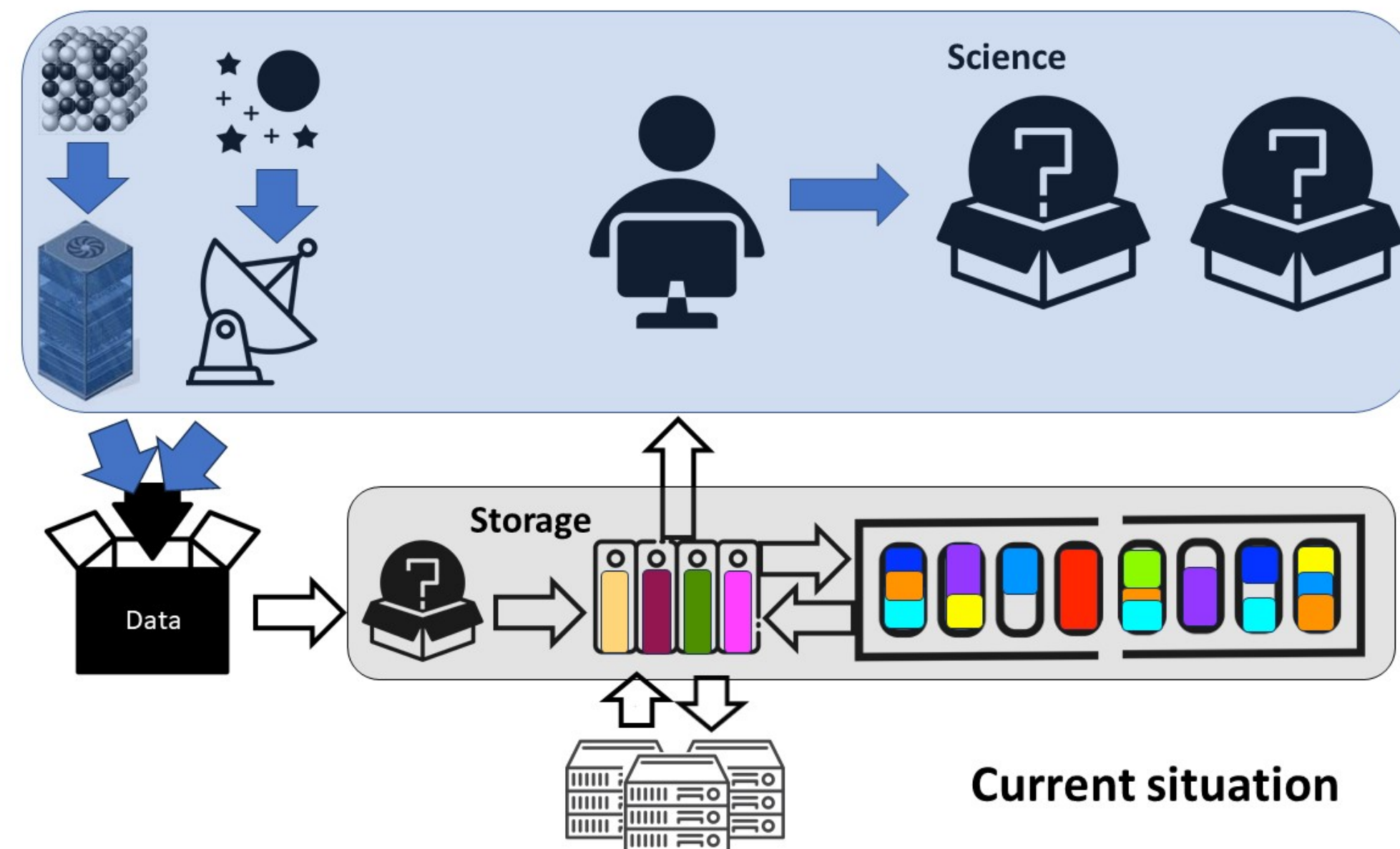


Archive of the Future

ErUM-Data Datamanagement



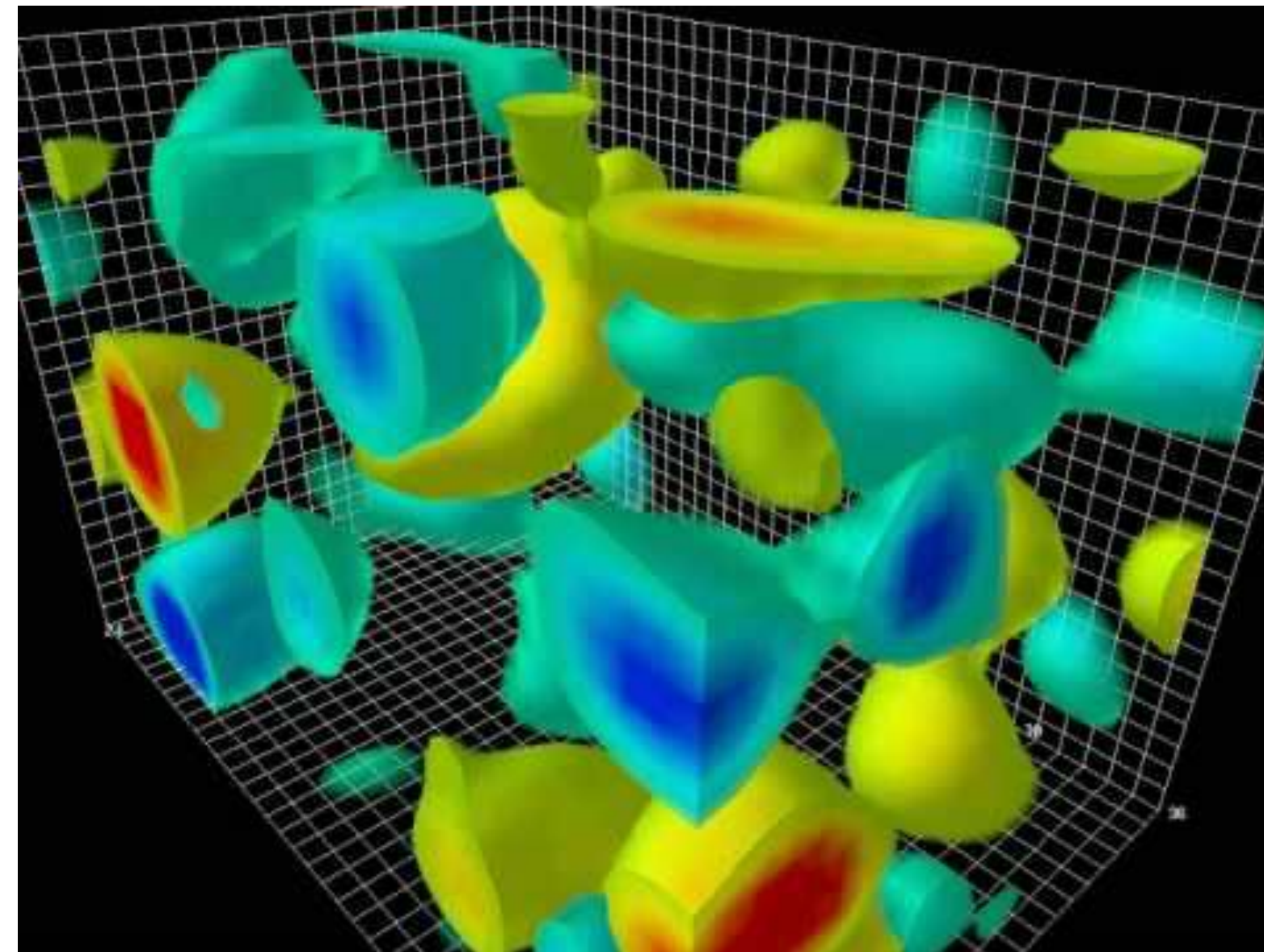
Archive of the Future

ErUM-Data Datamanagement

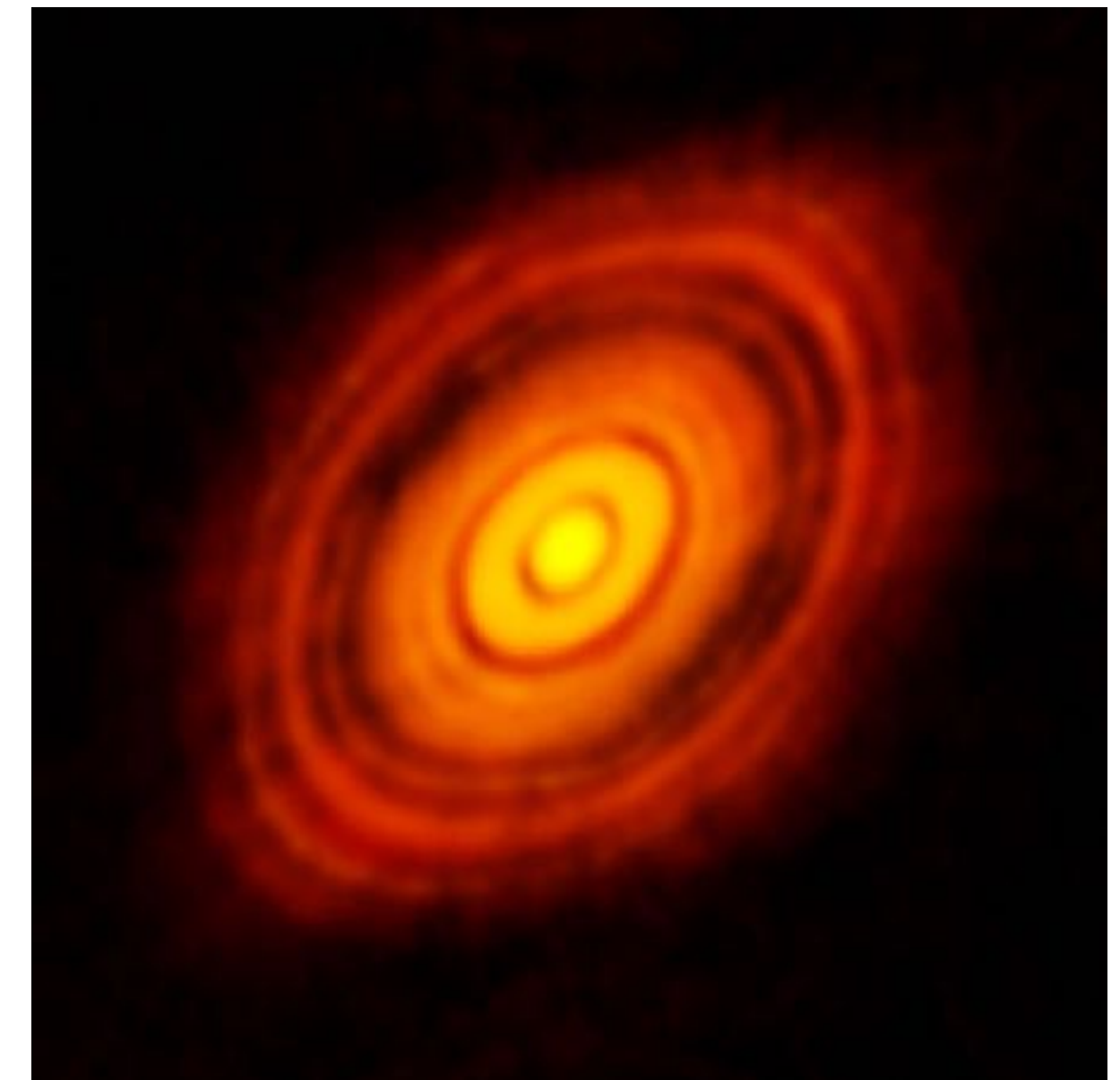
Radio Astronomy



Lattice QCD



Submillimetre Astronomy



Archive of the Future

ErUM-Data Datamanagement

Radio Astronomy



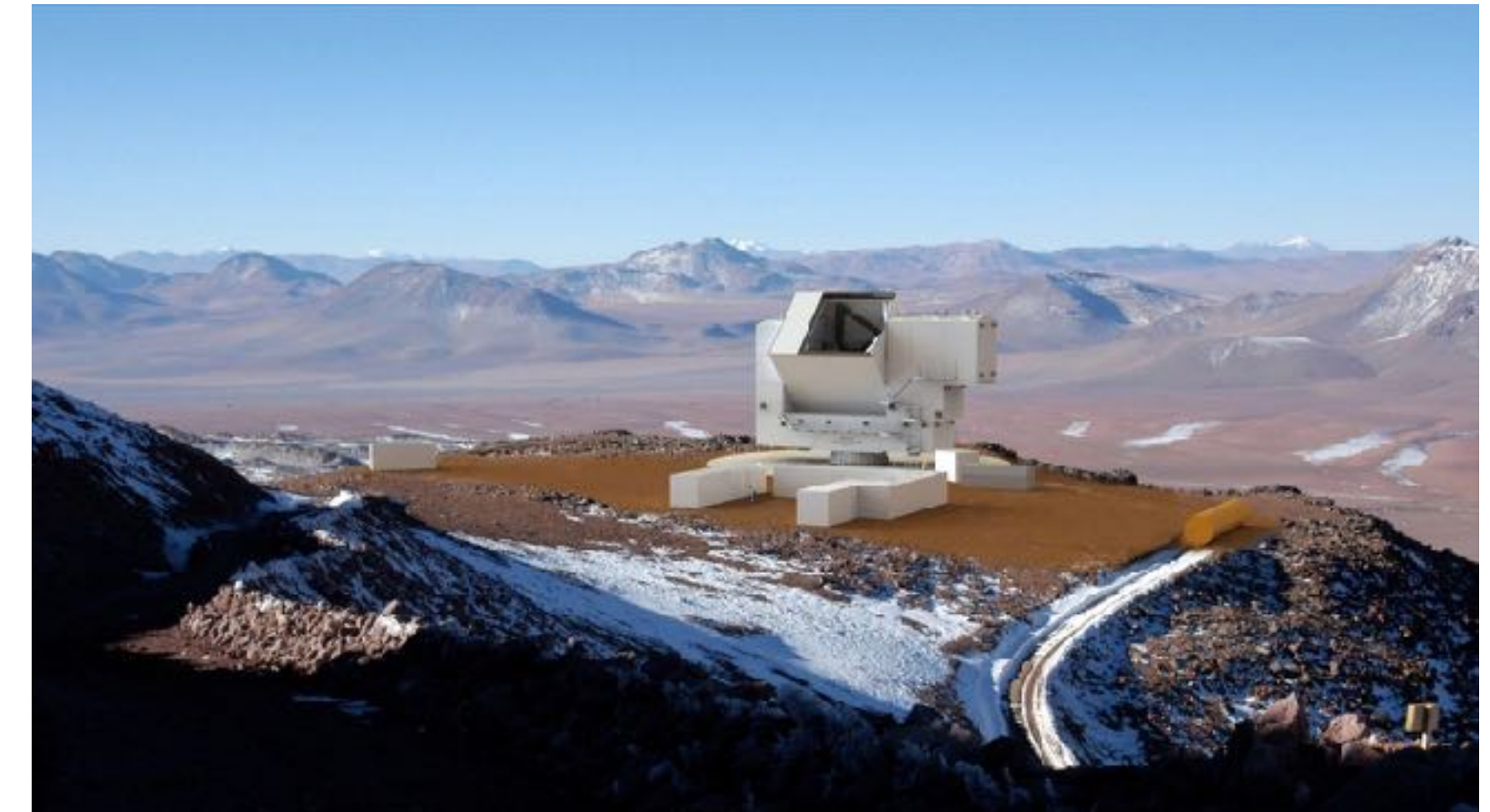
LOFAR Long Term Archive
Federated over 3 sites
~ 60 PB as of 1/2025

Lattice QCD



International Lattice Data Grid
Collection of simulation data from
many groups, globally federated

Submillimetre Astronomy



CCAT Observatory Long Term Archive
New archive, first light in near future
~ 2 PB/year



UNIVERSITÄT
BIELEFELD



ASTRON
LOFAR LTA Portal,
SKA SDC



ZENTRUM FÜR
ASTRONOMIE

GAVO

Archive of the Future

ErUM-Data Datamanagement

- **WP1: Data Organisation**
make archive aware what belongs together, transparent real-time monitoring, compressing
- **WP2: Data Processing**
make storage and compute aware of staging and processing times and dependencies and sort processes accordingly; slicing of files from tar archives
- **WP3: Data Interconnection**
data knowledge tree based on VO standards; connect data, data products & publications
- **WP4: Dissemination, Training and Coordination**
reach out to various communities, deal with different data policies

