



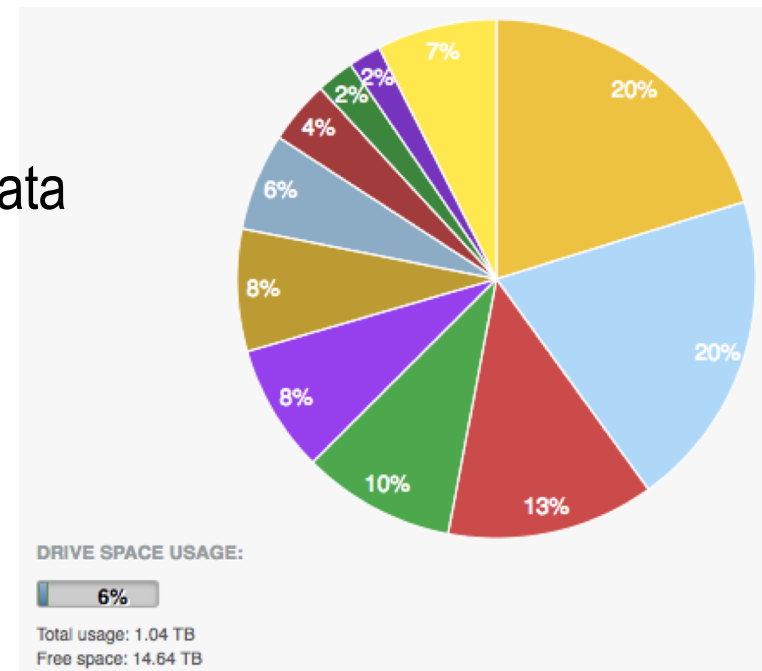
Deploying OMERO at CECAD Research Center

CECAD Imaging Facility, RRZK IT-Team

- CECAD: Cluster of Excellence
Cellular Stress Responses in Aging-associated Diseases
 - Imaging Facility (Astrid Schauss): light microscopy + electron microscopy + image analysis
- RRZK: Regional Computing Centre, University of Cologne
 - CECAD IT-team: single point of contact for IT + interface to RRZK services
- CECAD OMERO-Team: Peter Zentis (Imaging) + Sascha Neinert (IT)

Current Status: Introducing the new Service

- OMERO server is available as a service for members of the research center
 - Virtual server: 4 cores, 32 GB memory, 15 TB storage
 - Storage: magnetic discs + SSD read/write caches + backup on tape
 - OMERO.web, OMERO.figure, OMERO.iviewer, OMERO.webtagging, OMERO.movie
 - User accounts from university LDAP
 - Approx. 20 groups, 50 users, 1 TB of data
 - Image types: JPEG, TIFF, Imaris, Leica LIF, Leica Slidescanner (scn), EM (dm3, dm4), ...



Next Steps, Open Issues

- Getting more users to use the OMERO service
 - Support and teaching
 - Decide how to support users of neighbor institutions
 - Simplify data import? (CLI, dropbox, smuggler, ...)
 - Learn how the system scales
- How to cope with big amounts of data
 - All images in OMERO vs. only some
 - Data lifecycle? Archive OMERO data?
- Electronic lab journal: link it to/from OMERO?