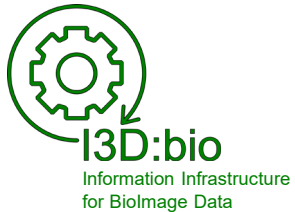


Research Data Management for Bioimage Data at the HHU

What is the image data management platform OMERO?



Tom Boissonnet

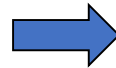
Adapted from: Schmidt C., Bortolomeazzi M., Boissonnet T., Fortmann-Grote C. *et al.* (2023). I3D:bio's OMERO training material: Re-usable, adjustable, multi-purpose slides for local user training. Zenodo. DOI: 10.5281/zenodo.8323588
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OMERO: An open-source software for image data management

OMERO = „OME Remote Objects“

Created by the **O**pen **M**icroscopy **E**nvironment Consortium (OME)



- User computer
- Microscope computer
- Processing / analysis server

INTERNET

SERVER

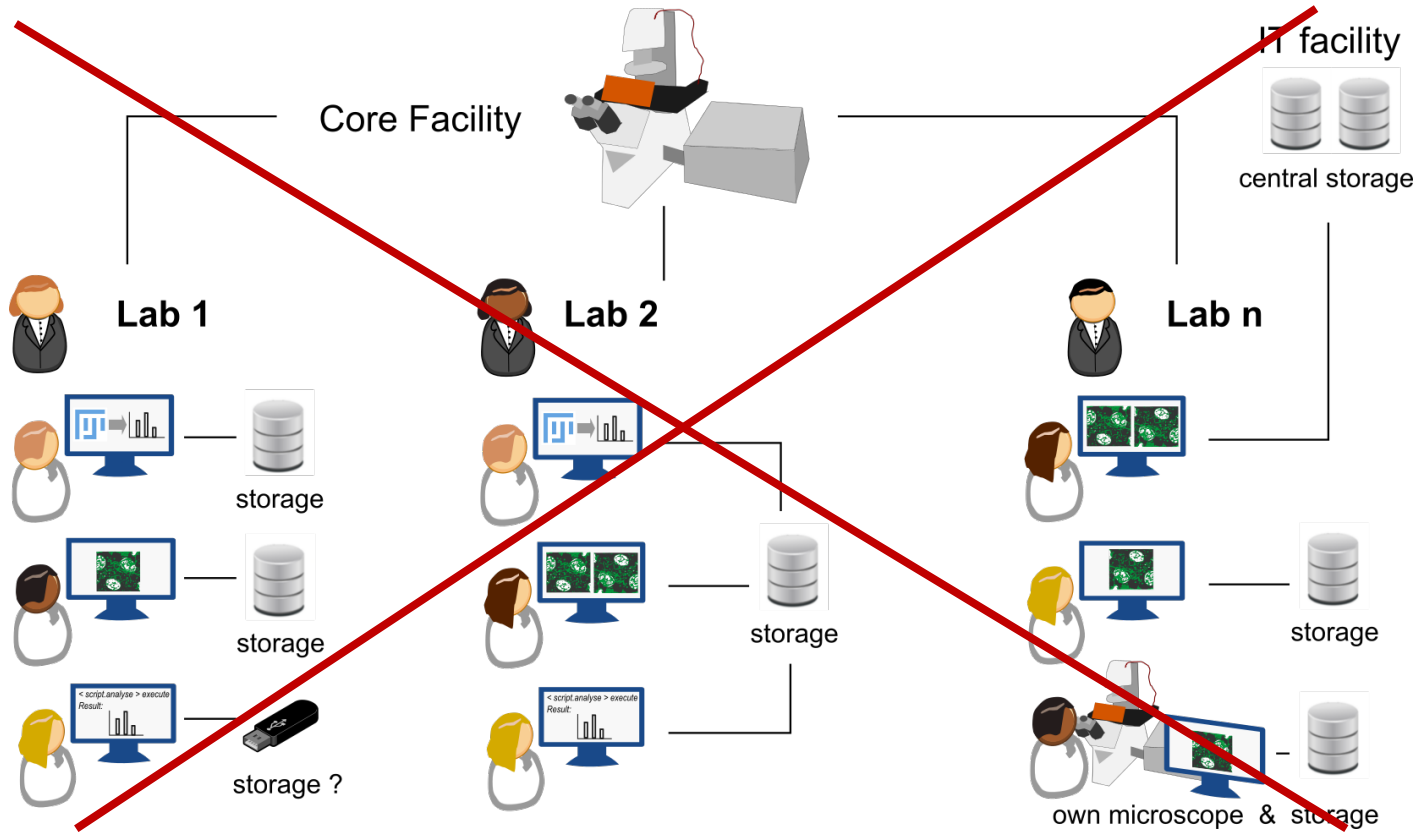


OMERO

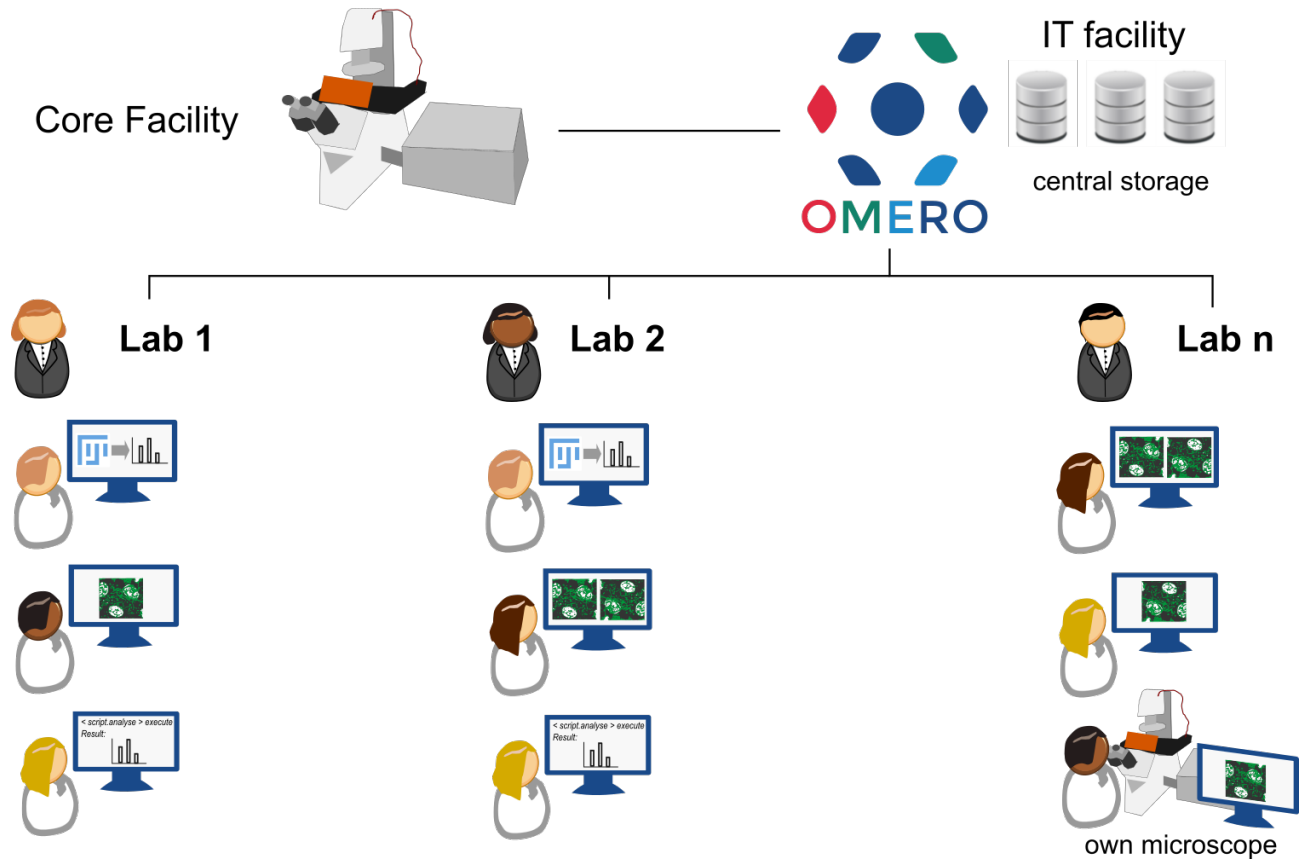


- Installed on an institute or central IT server
- Storage and handling of imaging data
- Accessible from outside via „clients“

From isolated data silos...



... to centralized, structured data management



OMERO at the HHU

Service provided for researchers *centrally* by the Center for Advanced imaging

Get your account & log in with your user credentials (HHU account)

web access: `omero-cai.hhu.de`

Use OMERO

- for yourself
- with your group
- with collaboration partners
- ***from the intranet or via a virtual private network (VPN)***

Enter your user name
& password



omero:4064

Username:

Password:

Forgot your password? [Login](#)

OMERO.web 5.11.0.
© 2007-2021 University of Dundee & Open Microscopy Environment
OMERO is distributed under the terms of the GNU GPL. For more information, visit openmicroscopy.org
Download OMERO.insight for [Mac OS X](#), [Windows](#), [Linux](#)



Advantages of using OMERO

- **Organize** your original image files in a central storage location
 - Unique IDs for images; data can be linked via IDs
 - View your images, add annotations, tags, and comments to your images
- **View & explore** images, and adjust, save and share visualization settings
 - Create publication-ready figures connected to original image files
- **Export** image data to different formats
- **Analyze** image data
 - Built-in analysis functions
 - Connect to popular image analysis software like Fiji or QuPath
- **Share** your data with colleagues
- and more...

Contact

Please review the additional information material available on the website:

<https://wiki.hhu.de/display/CAi/OMERO+usage>

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