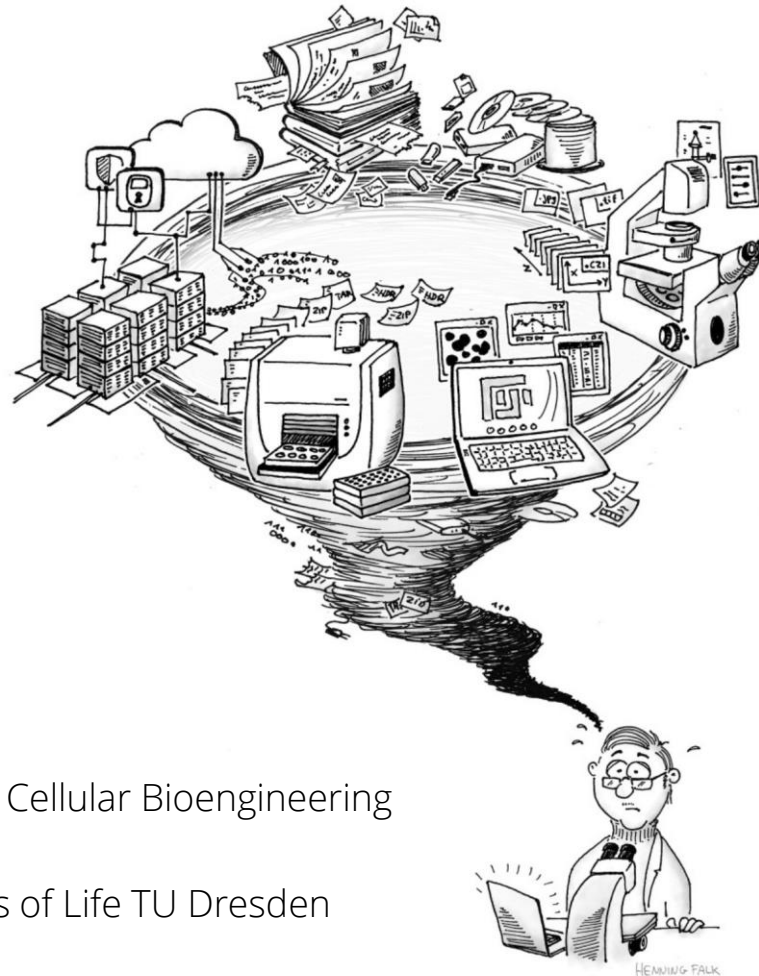


The bio-image data ‚Strudel‘

(Strategic) Workshop on Research Data Management in TU Dresden Core Facilities, November 7 2023

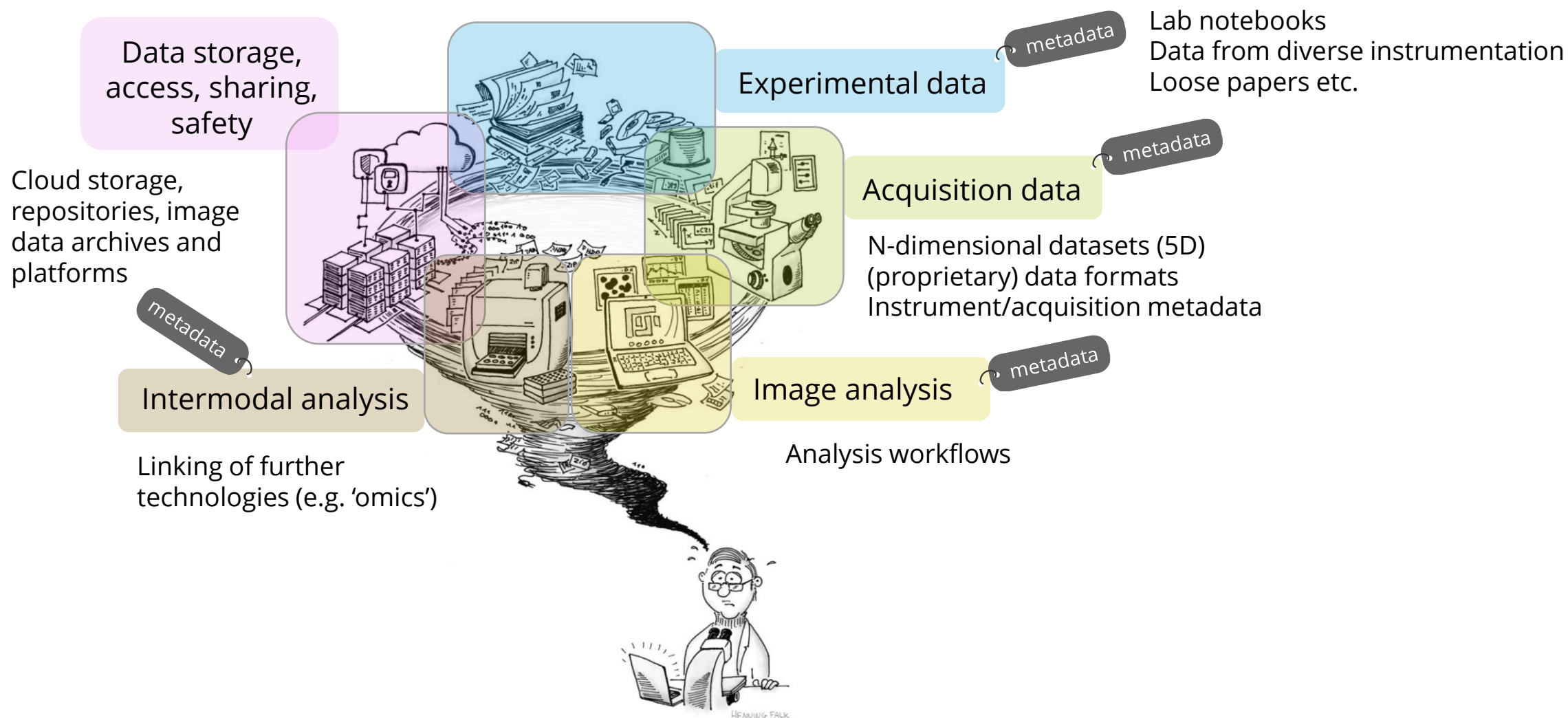


Conni Wetzker
NFDI4BIOIMAGE

Center for Molecular and Cellular Bioengineering
TU Dresden and
Excellence Cluster Physics of Life TU Dresden

Topics:
Bio-image data ‚Strudel‘
NFDI(4BIOIMAGE)

The bio-image data ,Strudel'



What is the ,Nationale Forschungsdaten Infrastruktur (NFDI)?



DFG-funded national consortium to create a permanent digital storage of knowledge in science and research according to the FAIR principles

Composed of 26 individual consortia and 1 base consortium

Über die Konsortien

Geistes- und Sozialwiss. ▾

Ingenieurwiss. ▾

Lebenswiss. ▾

Naturwiss. ▾

Base4NFDI

Konsortien-übergreifende Aktivitäten ▾

DataPLANT

FAIRagro

GHGA

NFDI4Biodiversity

NFDI4BIOIMAGE

NFDI4Health

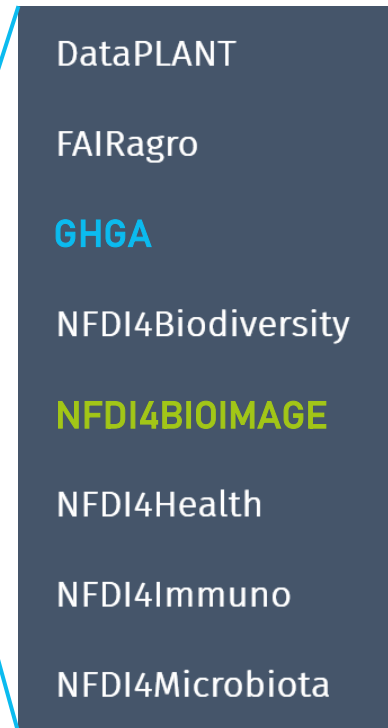
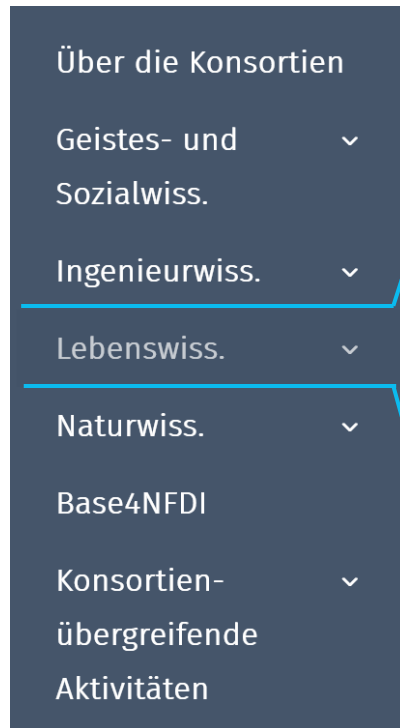
NFDI4Immuno

NFDI4Microbiota

Goals

- Establish regulations for the standardized use of data
- Define metadata standards across disciplines
- Increase the (interdisciplinary) reuse of data
- Create services and standards for research data management
- Network internationally

NFDI at CMCB & PoL campuses in Dresden



German Human Genome Archive:

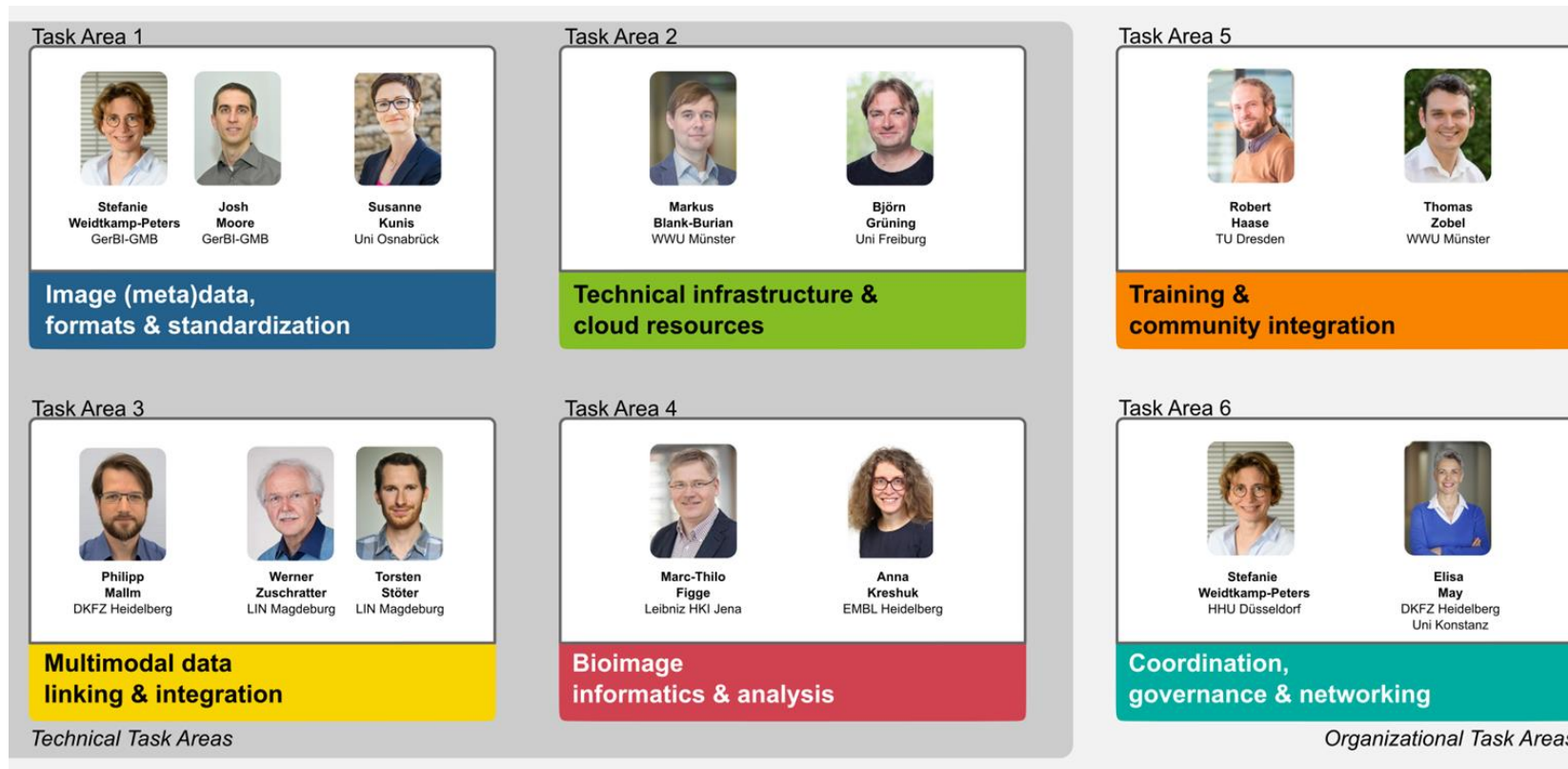
Consortium to provide national infrastructure for the storage and analysis of human genome data

Andreas Dahl & Mathias Lesche (DcGC, TU Dresden)

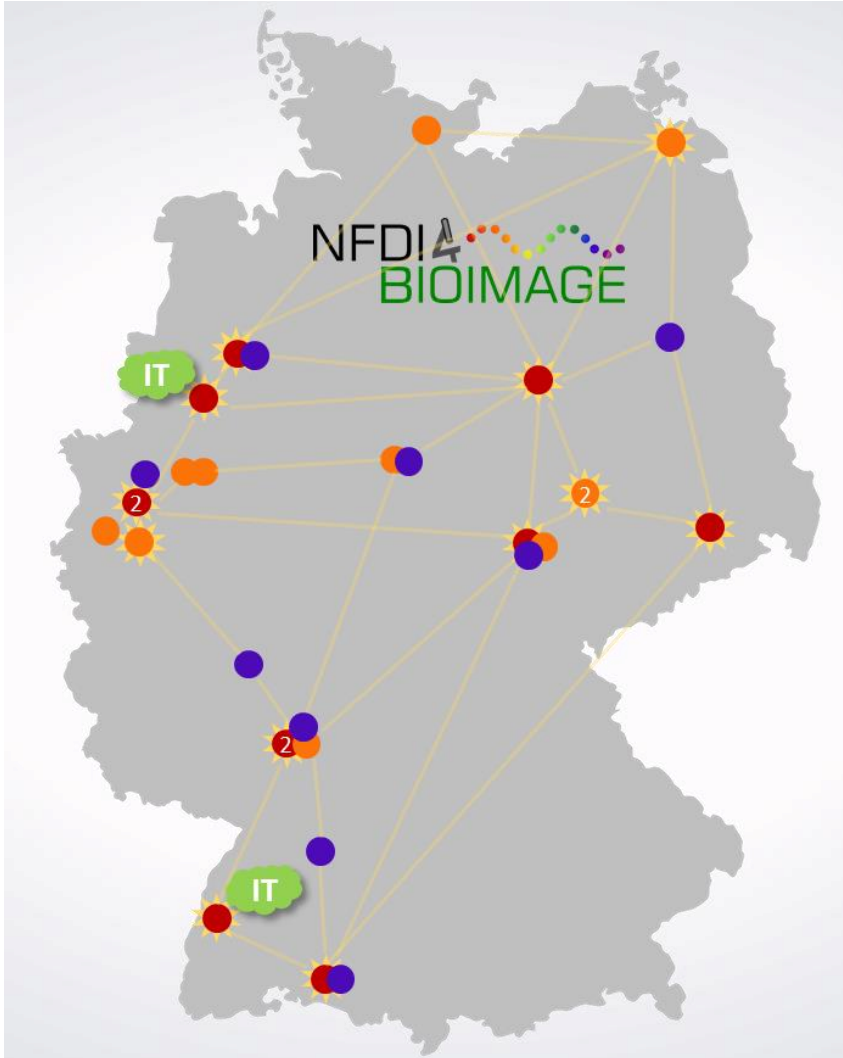
Ralph Müller-Pfefferkorn (ZIH, TU Dresden)

What is NFDI4BIOIMAGE?

A (community-driven) consortium as of March 2023, 'derived' from German BioImaging and I3D:bio with focuses on all aspects of the research data life cycle in microscopy and image analysis



NFDI4BIOIMAGE sites and activities?



NFDI4BIOIMAGE is active throughout Germany

Services:

Infrastructure & support

Software & support

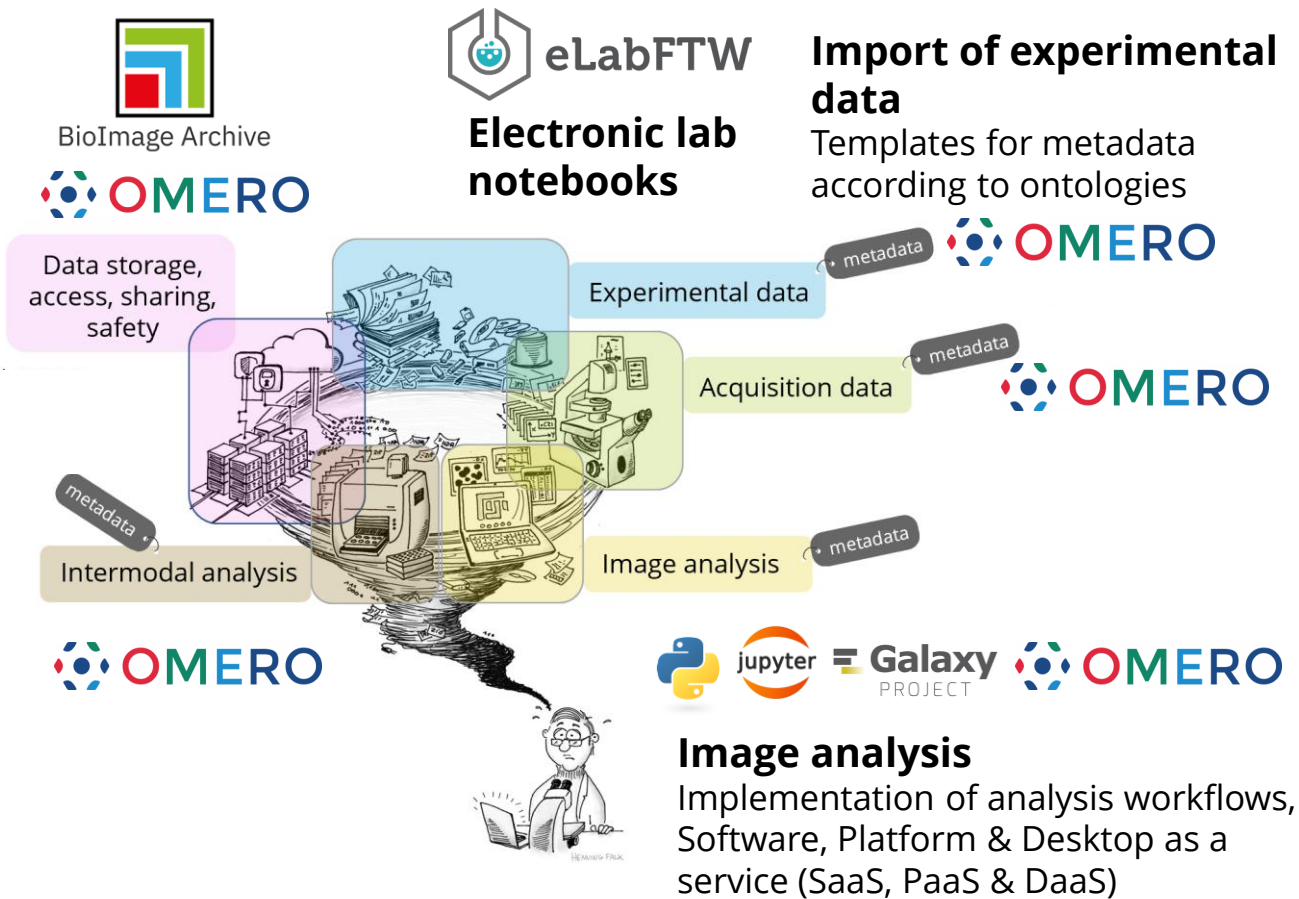
Help Desk

Training materials

Workshops and Trainings

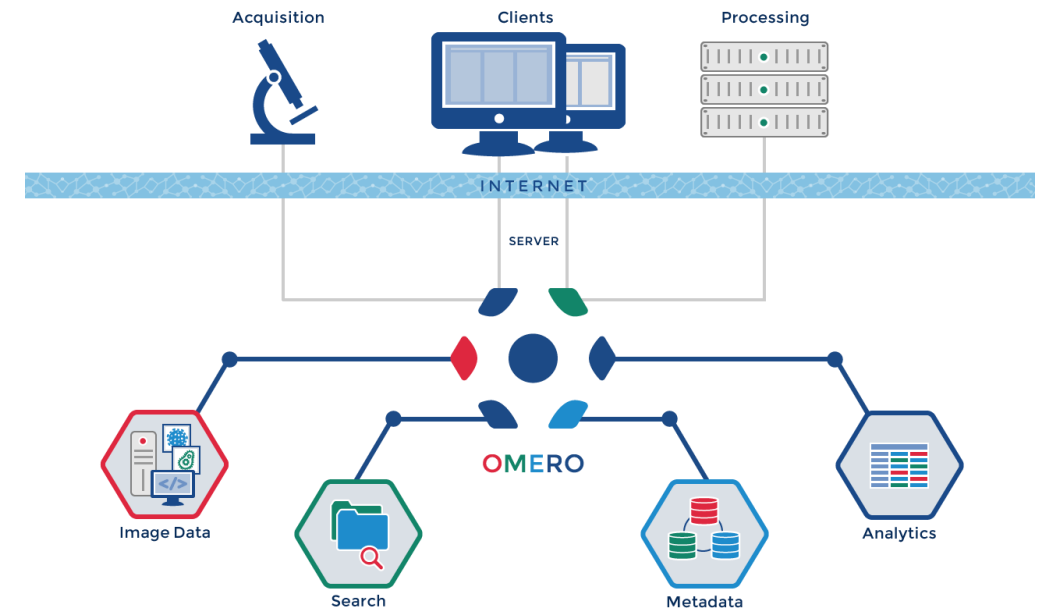
'community use cases' to develop new solutions for campuses/ challenges from the community

What is NFDI4BIOIMAGE working on?

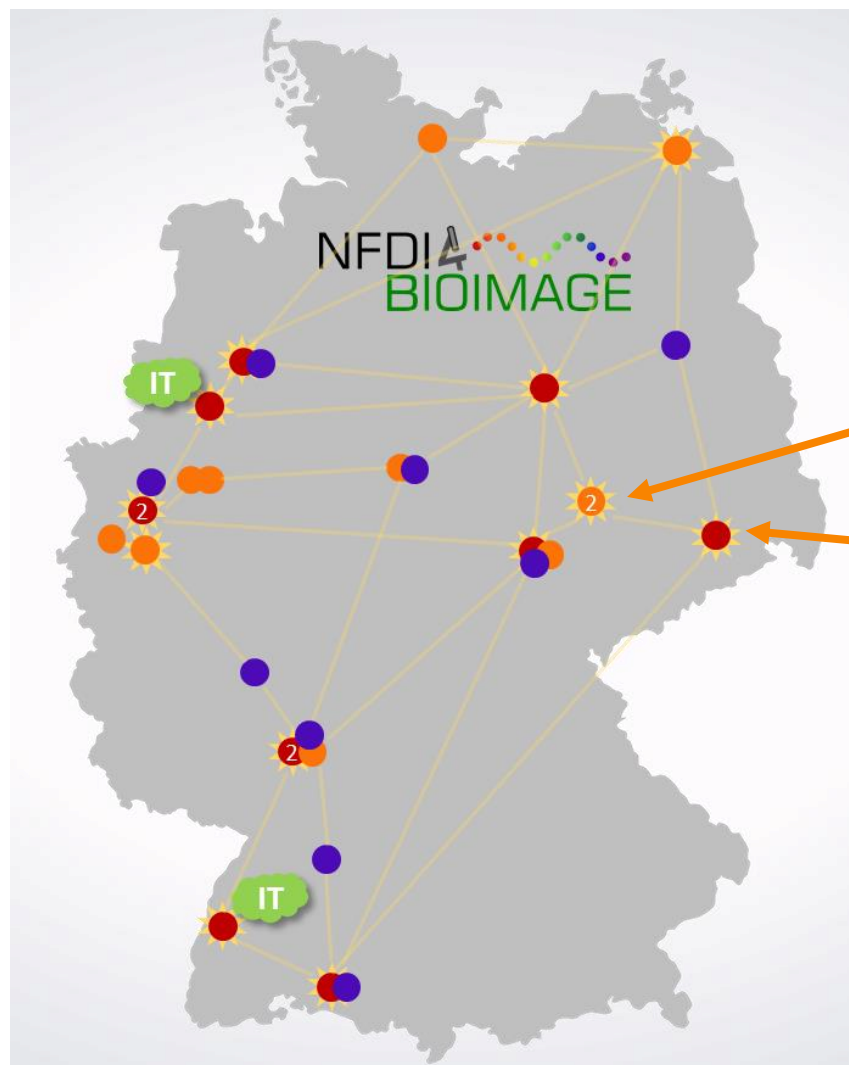


Bio-image management platform

(quick visualization, sharing, figure preparation, annotation, implementation of downstream analyses, publication ...), > 150 bioimage formats importable



NFDI4BIOIMAGE in Dresden



Robert Haase (TU Dresden/ ScaDS.AI Leipzig)
Lead task area 5



Conni Wetzker (TU Dresden)
Data steward & member task area 5



Marcelo Leomil Zoccoler (TU Dresden)



Michael Schlierf (TU Dresden) currently joining
task area 5 as participant

Task Area 5



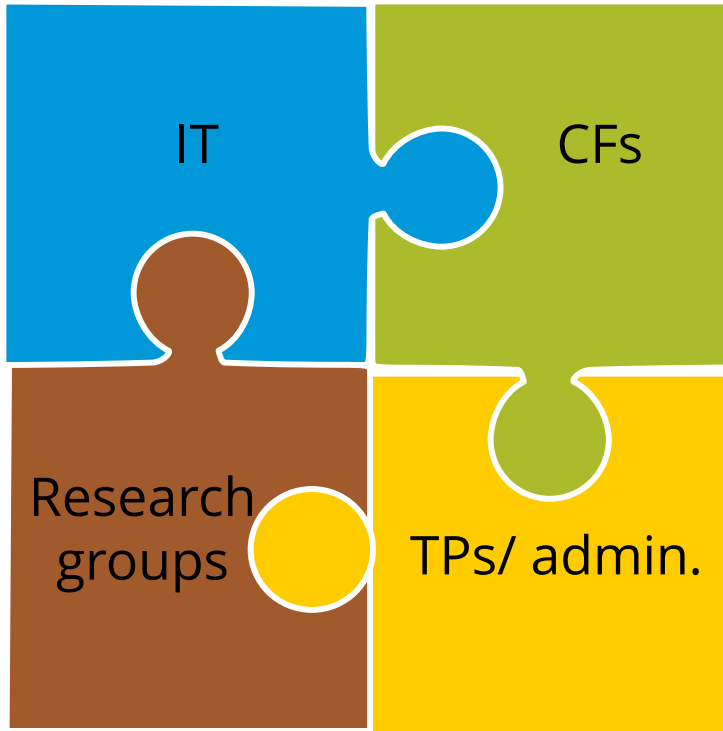
Robert
Haase
TU Dresden



Thomas
Zobel
WWU Münster

**Training &
community integration**

Research data management on campus?



IMAGINE THE FUTURE.

