



Euro-BioImaging

Innovation by Open Access

BMS RI Meeting Brussels – June 21, 2017

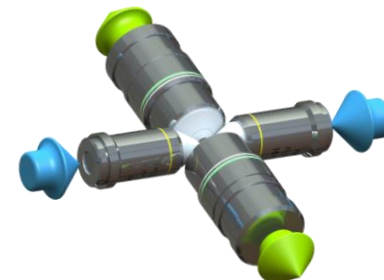
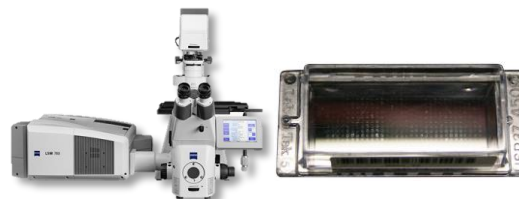
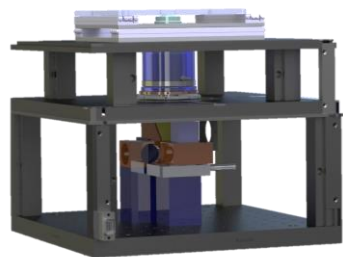
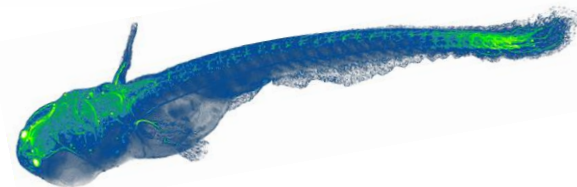
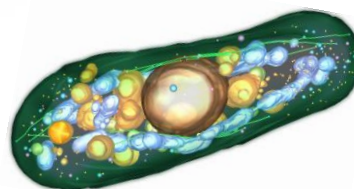
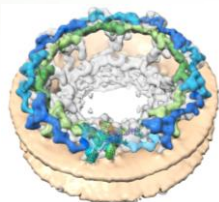
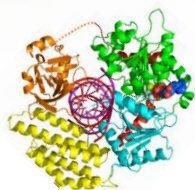
Antje Keppler

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WP3 Lead, Euro-BioImaging Preparatory Phase II



Funded by the Horizon 2020
Framework Program of the
European Union



Superresolution
Microscopy

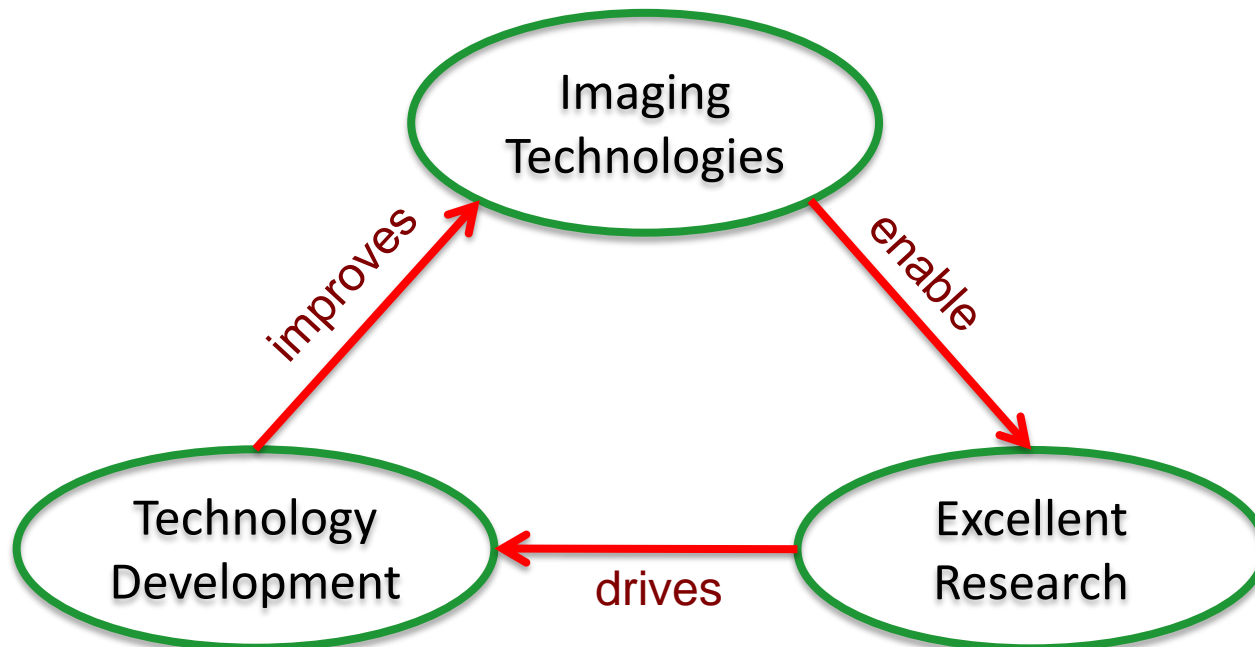
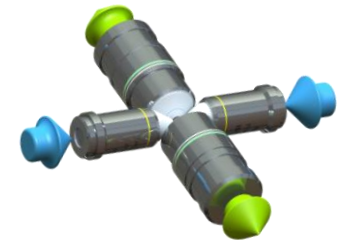
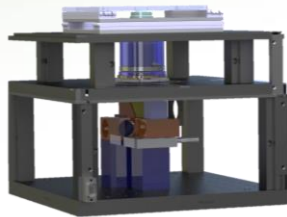
High Throughput
Microscopy

Light Sheet
Microscopy

- Correlate Technologies
- Integrate Data

Correlative Light
Electron Microscopy

Open Access!

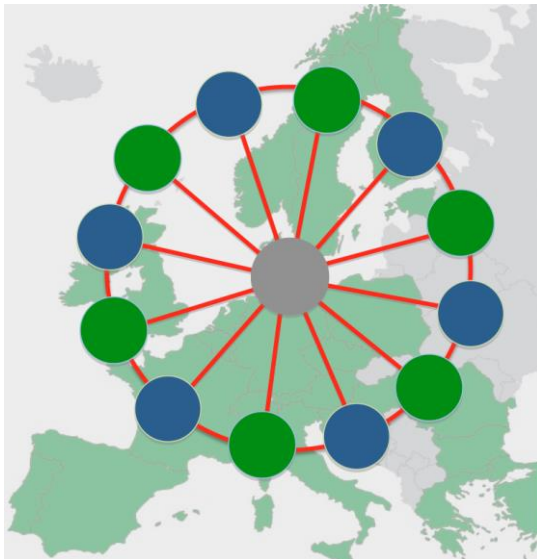


EUROPE'S RESEARCH INFRASTRUCTURE FOR IMAGING TECHNOLOGIES

Services to be provided

- **Access** to cutting-edge biological & medical imaging technologies supported by expert technical staff
- **Image data** repositories and analysis tools
- **Training** for users and providers of imaging technologies

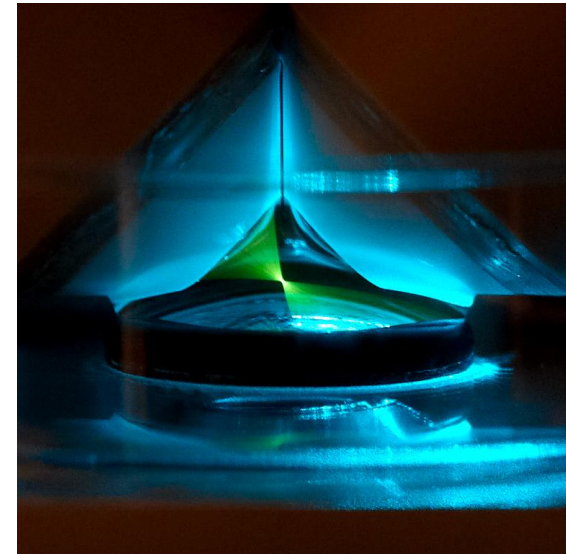
By Hub and Nodes



Euro-BioImaging HUB
Coordination & support of access, data, training
European infrastructure management

NODES for Biological Imaging

NODES for Medical Imaging



A TRIPARTITE HUB PROVIDES INTERIM ACCESS TO 29 NODES

Finland, Italy and EMBL host the Hub



ERIC Seat



Medical Imaging

EMBL



Biological Imaging + Data

Coordination and Support

ACCESS
TRAINING
DATA

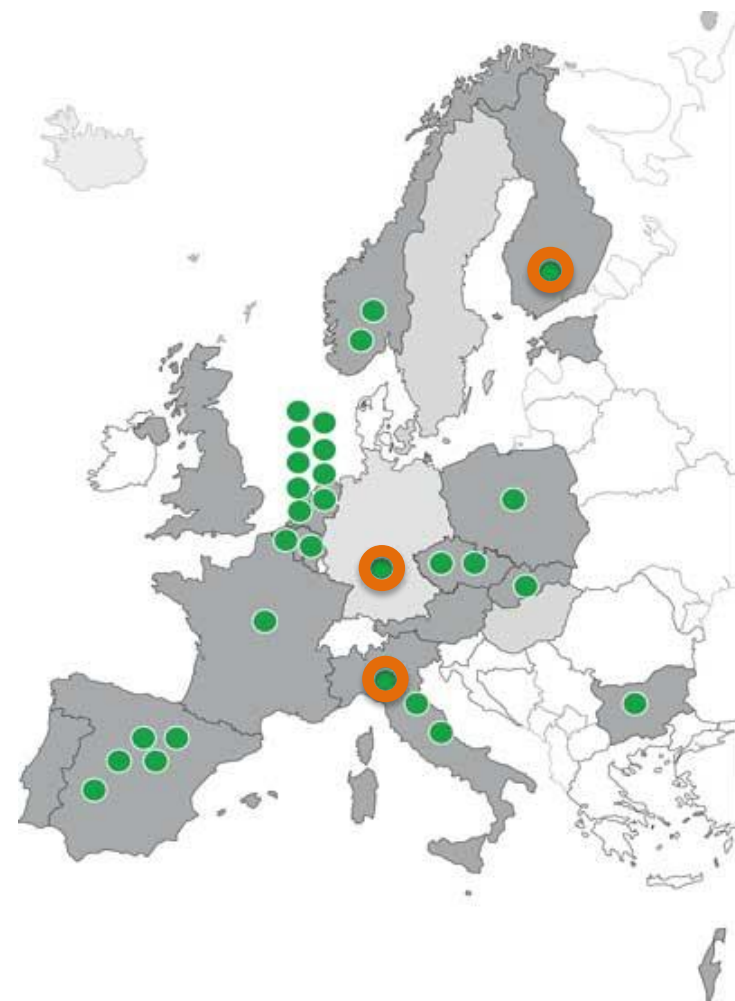
29 Nodes offer access to 36 Imaging technologies

Biological Imaging:

- Advanced Light Microscopy
- Correlative Light-Electron Microscopy
- High-throughput Microscopy
- Mesoscopic Imaging
- Super Resolution Microscopy;

Medical Imaging:

- (Micro)-PET / -SPECT / -MRI
- High-Field MRI
- Phase Contrast Imaging
- Multimodal Imaging (MRI-PET);

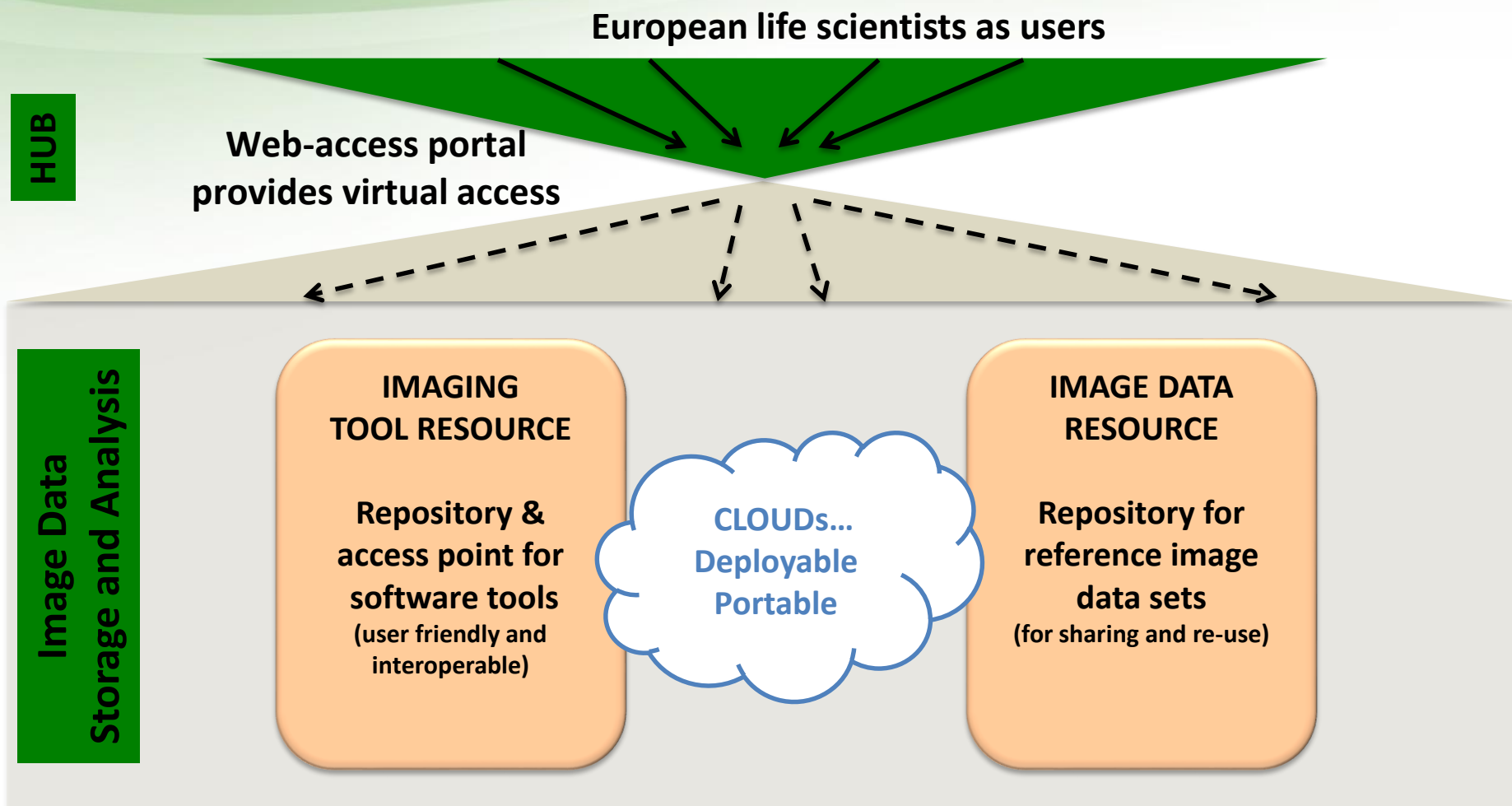




www.eurobioimaging-interim.eu

- 79 user applications since May 2016
- Average user satisfaction was 4.5/5
- 100% of users recommend EuBI to others





EuBI IDR hosted at EMBL-EBI.

<http://idr.openmicroscopy.org>

Services for researchers to support innovation:

- Open access to imaging technologies, image data services, training
- Evaluation system to introduce novel imaging technologies into service
- European integration for EuBI's scientific and developer communities
- Evaluation of user satisfaction with Node and Hub services



Services for National Nodes to support innovation:

- Evaluation system to introduce novel imaging technologies into service
- Network Nodes with industries
- Network Nodes with users / new research applications
- Network Node staff internationally
- Quality assurance systems for all Node services



Services for Industry:

- Open access for industry to imaging technologies (e.g. pharma, biotechs)
- Access to advanced training opportunities
- Information on the needs of the EuBI community
- Cooperate with EuBI Nodes on testing of novel technologies
- EuBI creates a platform for cross collaboration
- EuBI Industry Board creates "one voice" to promote importance of imaging

BUILDING THE EURO-BIOIMAGING



THANK YOU FOR YOUR
ATTENTION!