



# EURO BIOIMAGING

## From National Strongholds to International Partnerships

Japanese-Finnish Workshop  
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# Since 2019, we unite the imaging community in Europe and globally



**1B€** INVESTED BY MEMBER STATES SINCE 2019



**19** ERIC MEMBERS (18 COUNTRIES & EMBL)



**30%** OF MEMBER STATES ARE WIDENING COUNTRIES



**39** NATIONAL NODES



**295** SERVICE FACILITIES



**120+** STATE-OF-THE-ART IMAGING TECHNOLOGIES



**1130** User project applications via EWP



**> 4320** External User projects in 2024

# Euro-BioImaging Technology Portfolio



SAMPLE CHARACTERIZATION

ELECTRON MICROSCOPY

LIGHT MICROSCOPY

ANIMAL & PLANT  
IMAGING

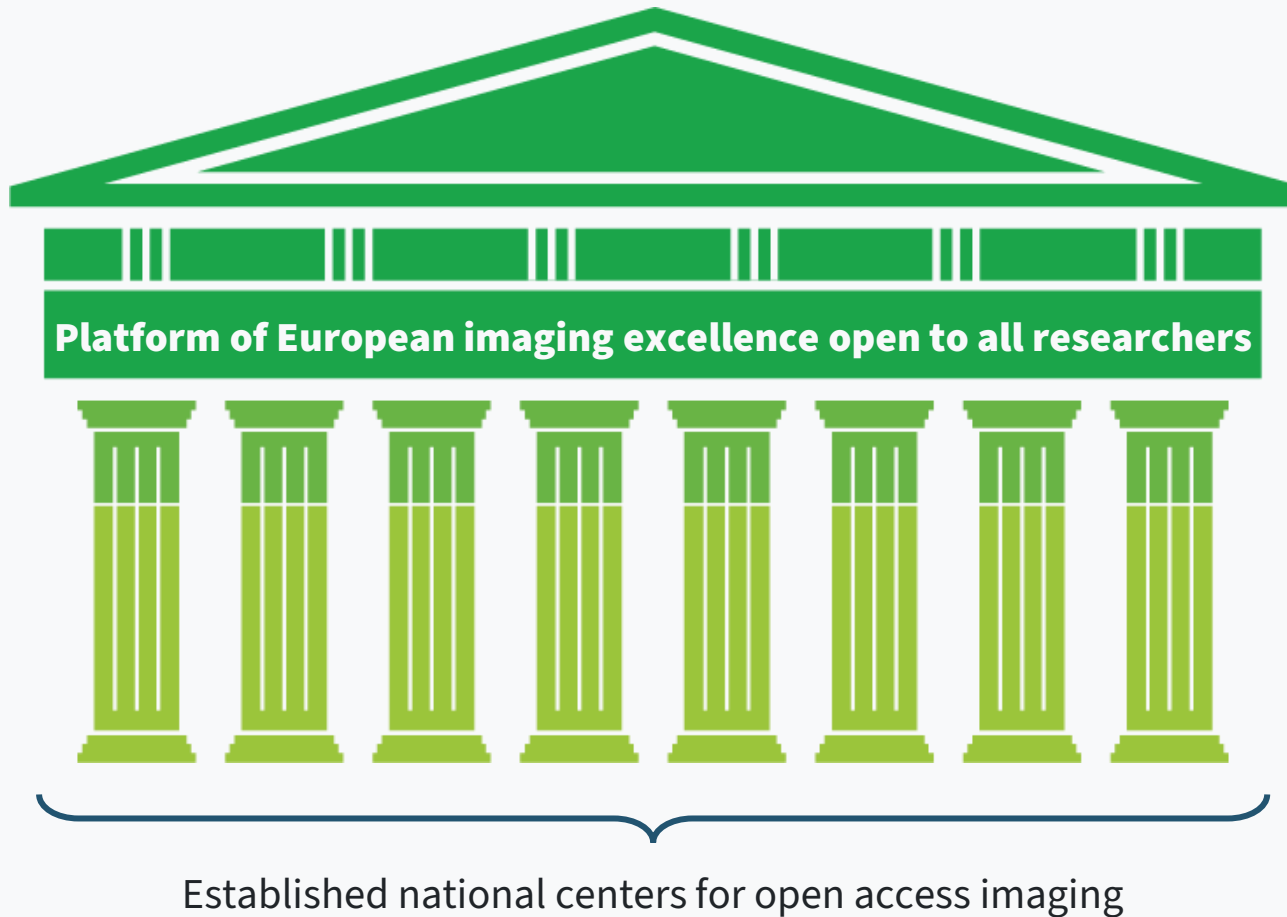
CORRELATIVE &  
MULTIMODAL IMAGING

HUMAN  
IMAGING

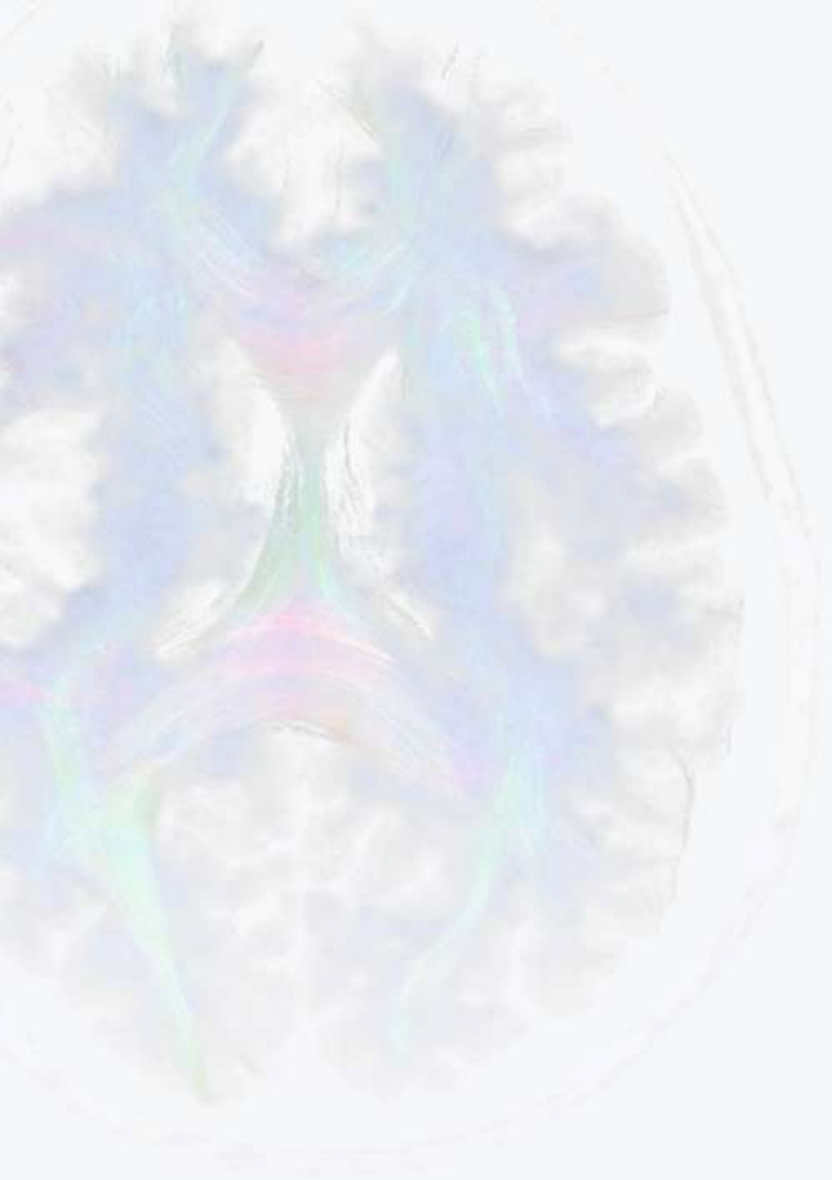
IMAGE DATA ANALYSIS



# Europe's Gateway to Excellent Imaging



By modest additional funding for Euro-BioImaging access, the **Nodes** provide a **platform** of European imaging excellence **open for all researchers**



# User access



# Funding Imaging Projects

**NATIONAL FUNDING & HORIZON EUROPE  
SUPPORT USER ACCESS**



**ELIGIBLE COSTS MAY INCLUDE**



ACCESS FEES AT  
THE FACILITY



CONSUMABLES  
FOR LAB WORK



TRAVEL



ACCOMMODATION



# Image Data Services

**Maximising the impact of data investments  
across Euro-BioImaging**

# Coordinating image data communities and influencing relevant policies on a European and Global level

Through shared projects, technical support, expert groups, common webinars, hackathons, and various other outreach efforts, Euro-BioImaging supports interactions among its Nodes and a **cross-disciplinary and global data community**

## Global Image Data Ecosystem

Connecting global community towards image data sharing



founding **GIDE**

- Europe
- Japan
- Australia
- Global!

## Research Infrastructures

European and National, from across the globe



## Data Communities

Providing technical solutions



## European Open Science Cloud

Life Science Research Node





# founding **GIDE: Global Image Data Ecosystem**

Enabling bioimage data exchange based on global coordination of technical developments among data infrastructures and communities



Funded by  
the European Union

Coordinated by EURO  BIOIMAGING

The map shows the following regional affiliations:

- North America:** BioImage Archive, IDR, SSBD :database, RIKEN, ABIS.
- Europe:** EURO BIOIMAGING, German Bioimaging, OME.
- Asia:** XNAT.
- Australia:** National Imaging Facility, MICROSCOPY AUSTRALIA.

- Global coordination among imaging resources
- Community recommendations on FAIR image data management
- Concerted development of Ontologies and Metadata
- Adoption of outputs by global image data resources

<https://founding->



A pan-European federated infrastructure, linking and making research cancer imaging data from EU-level and national hospital networks and research repositories **accessible, ready & usable**



76 partners, including 21 clinical sites



### The Dashboard of the European Federation of Cancer Images



Become a User



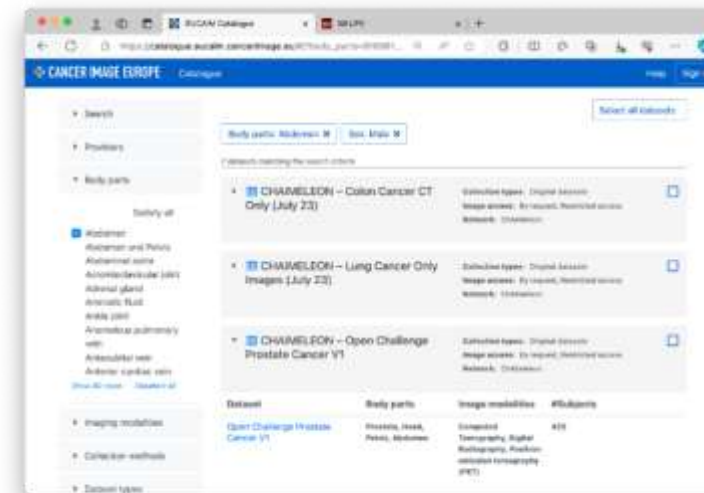
Become a Software Provider



Become a Data Holder



Become a Member



An **accelerator** for medical and industry research to better understand, diagnose and fight cancer, unleashing the power of **AI-based** cancer management tools towards **personalised medicine**

<https://cancerimage.eu/>

# Bridging the Life Science & Artificial Intelligence Communities



- **Close AI-Practice Gap:** Align AI theory with life sciences applications
- **Bridge AI & Biology:** Connect AI/ML with biological imaging
- **Seamless Integration:** Combine AI with practical biological use
- <https://ai4life.eurobioimaging.eu>
- **Model Zoo:** [www.bioimage.io](http://www.bioimage.io)
- Open Calls
- Challenge Calls

# SAVE THE DATE – JUNE 9-12, 2026

SIGRID JUSELIOUS SYMPOSIUM  JUNE 9-12, 2026

## AI Transforming Life Sciences and Medicine

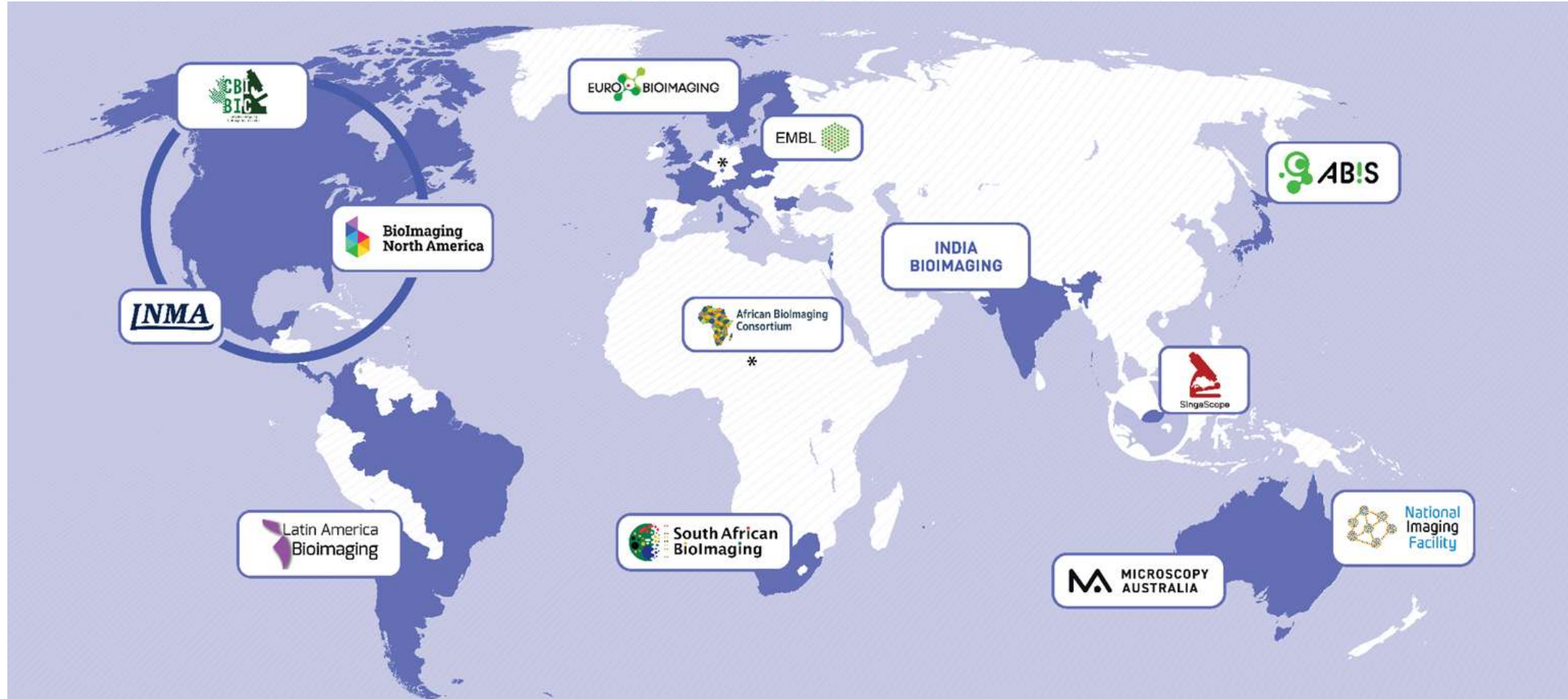
Hanaholmen  
Hanasaarenranta 5, Espoo, Finland

<https://www.sigridjuselius.fi/symposium/>

# Global BioImaging

The international network of cutting-edge bioimaging facilities and communities

GLOBAL  
BIOIMAGING  
growing collaboration



- Working Group on Image Data Management
- Working Group on Biomedical Imaging



Since January 2020, GBI receives funding for its activities from Chan Zuckerberg Initiative and Wellcome Trust.

# Project Overview



**16**

Current Project Portfolio



**12**

Newly Approved Projects



# RI COORDINATION

## Access2Access

Designs a roadmap for a future access framework that enables world-class research through open, integrated and sustainable use of RIs.

**1.39M €, E-B: 378K €**

## FUND-RI

Creates a toolbox to address best practices, models and actions for funding, governance, and strategic alignment for RIs sustainability that supports the needs of science, industry, and society.

**1.58M €, E-B: 220K €**

# TRAINING



**THRIVE**

Provides continuous professional development of RI staff through training, mentoring, and mobility schemes across the Nodes.

**999K €, E-B: 999K €**

# AI-DRIVEN

## AI4ACCESS

AI-driven user access for Euro-BioImaging services through a research navigator, improving user experience on the portal and optimising RI interoperability.

**4.9M €, E-B: 4.2M €**



Promotes interdisciplinary collaboration to integrate AI into scientific research by enabling streamlined access to trustworthy data repositories, computing resources, and research infrastructures across Europe.

**2.9M €, E-B: 168K €**

# DATA & AI

## FLUID-AI

Provides an approach to interoperability between data, AI/ML models and solutions within the EOSC. Building on the FAIR principles to address demands on AI-ready data and models.

**7.48M €, E-B: 290K €**

# TNA

## ISIDORe II

It continues the ISIDORe project by strategically offering a sharpened model for transnational and virtual access, enabling scientific excellence, policy-relevant evidence and impact health security.

**10.4M €, E-B: 417K €**

## RISE-UP Bio

Provides transnational access for Biotechnology in Biomanufacturing, while also supporting an integrated R&D service catalogue, interoperability across infrastructures, and improving training to staff and users.

**5M €, E-B: 730K €**

## SIRENE

Enables research linking environmental factors to human health and advance frontier knowledge and innovation in human exposome by providing open access.

**9.9M €, E-B: 582K €**

# DATA

## STARDAST

Establishes a sustainable, cross-sector ecosystem for professional data stewardship. It employs a practice-driven model where data stewards function as co-creators, embedded across actors.

**7.9M €, E-B: 1M €**

## ESG4Stars

Aims to reduce the environmental footprint of scientific computing and data analysis lifecycle on European RIs based on a pan-European federation of Galaxy servers.

**4.8M €, E-B: 529K €**

# AGRICULTURE

## AGROECOLOGY

Is a large-scale project that supports over 10 years an agriculture sector that is fit to meet the targets and challenges, while ensuring a profitable and attractive activity for farmers.

**172M €, E-B: 517K €**