



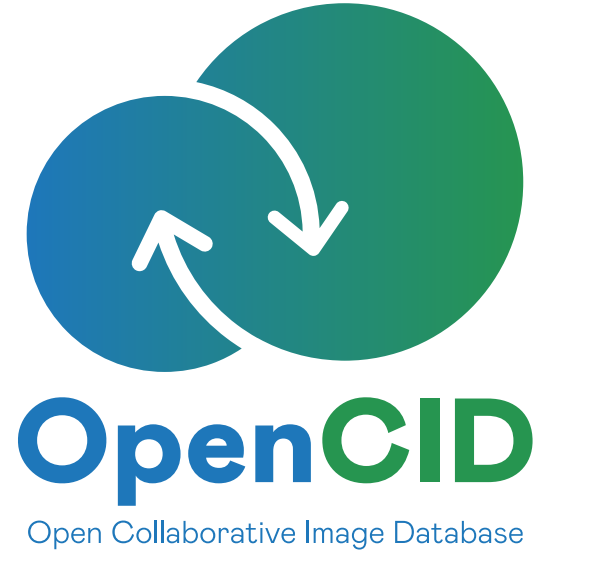
CID

Cochin Image Database

ONLINE DATABASE FOR BACKUP,
ARCHIVING, PROCESSING,
ANALYSIS
& SHARING

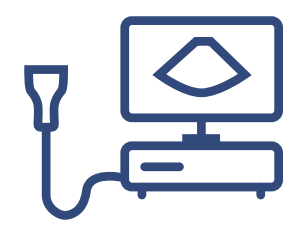
Raphaël Braud-Mussi^{1,2,3}, Thomas Guilbert^{1,2}, Sofiane Mbarki⁴, Gabriel le Goff^{1,2},
Kherroubi Mawloud^{1,2}, Jérôme Touvier^{1,2}, Achraf Oufgir^{1,2}, Ryma Bebane^{1,2},
Linda Belhocine^{1,2}, Vincent Cagnat⁵, Doïna Mitroi⁶, Angela Bonifati⁶,
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MULTI-PLATFORM DATA MANAGEMENT

- PHOTONIC AND ELECTRONIC IMAGING DATA
- ALL PROPRIETY FORMATS 2D 3D+T SPECTRAL
- PYRAMID IMAGES
- OMICS DATA
- CYTOMETRY DATA



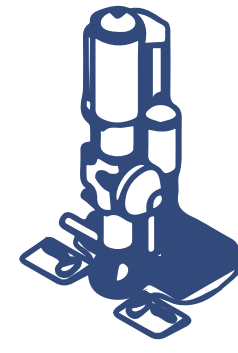
ecograph



NGS



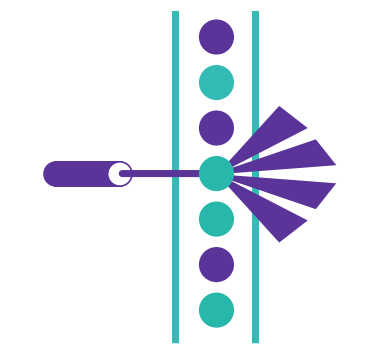
All microscopes



TEM



Digital
Slide scanner

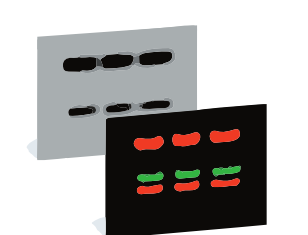


CYTEK
BC Astrios



timsTOF

WESTERN BLOT

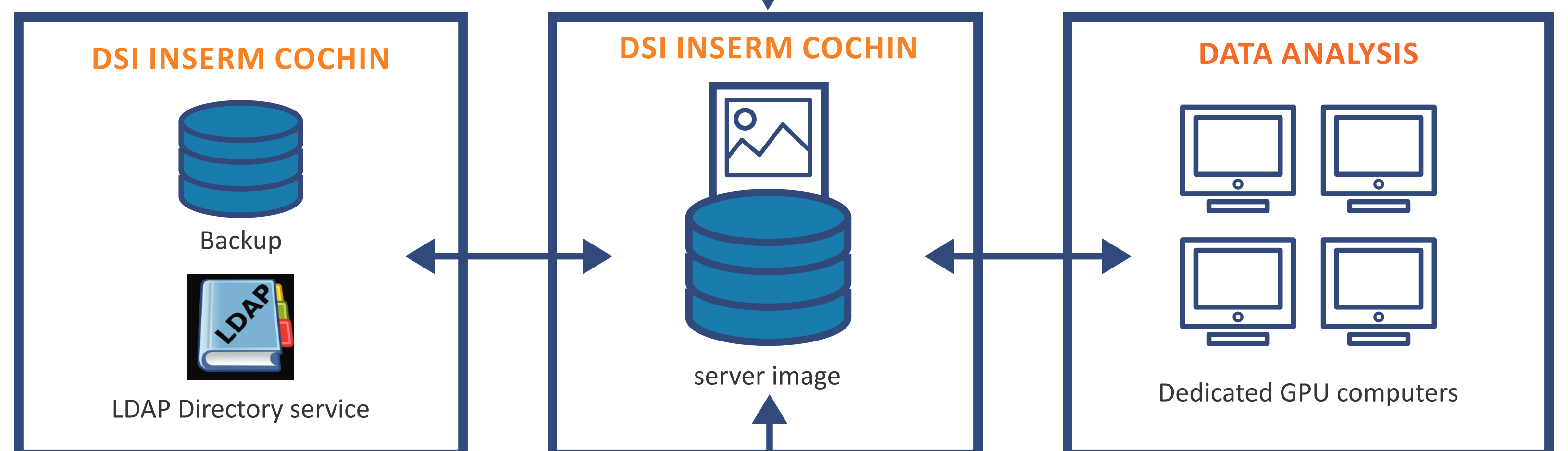


Fusion Roussy
Fusion Méchain
Fusion Faculté

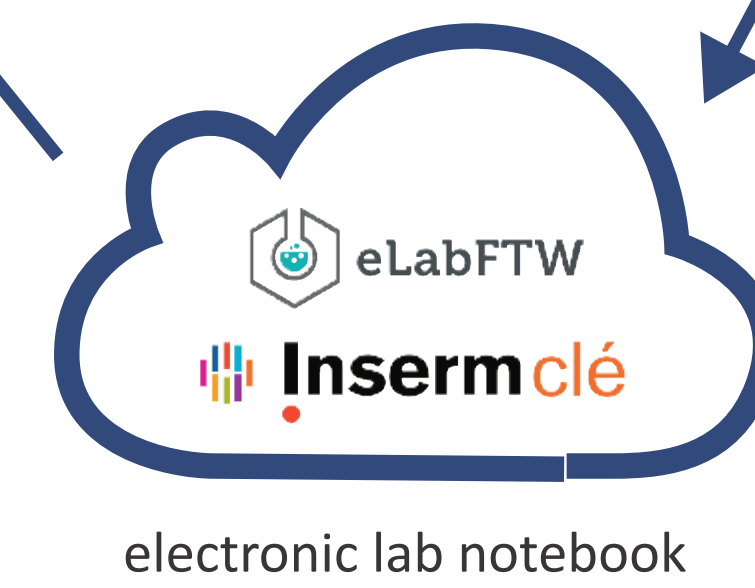
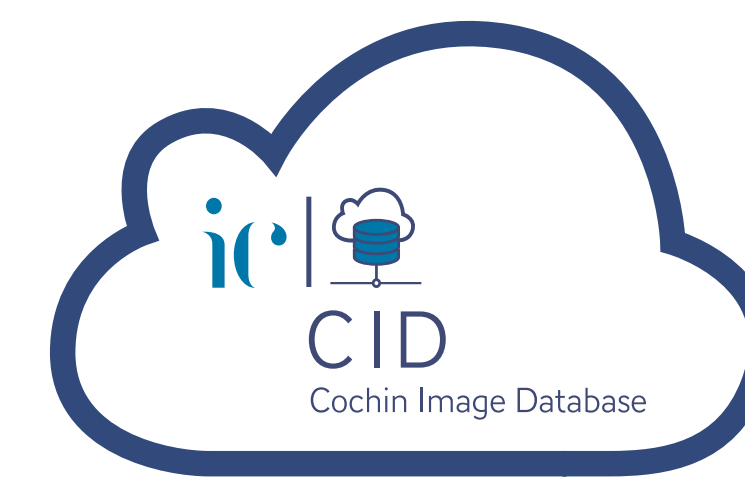
DATA IMPORT
+ MACHINE METADATA + SAMPLE METADATA + QUALITY METADATA
BACKGROUND IMPORT

KEY FIGURES

- CREATION OF THE CID COCHIN IMAGE DATABASE SINCE 2016
- 704 USER ACCOUNTS (391 ACTIVE)
- 130 PROJECTS (65% EXTERNAL TEAMS)
- 143 000 FILES
- FUNDING



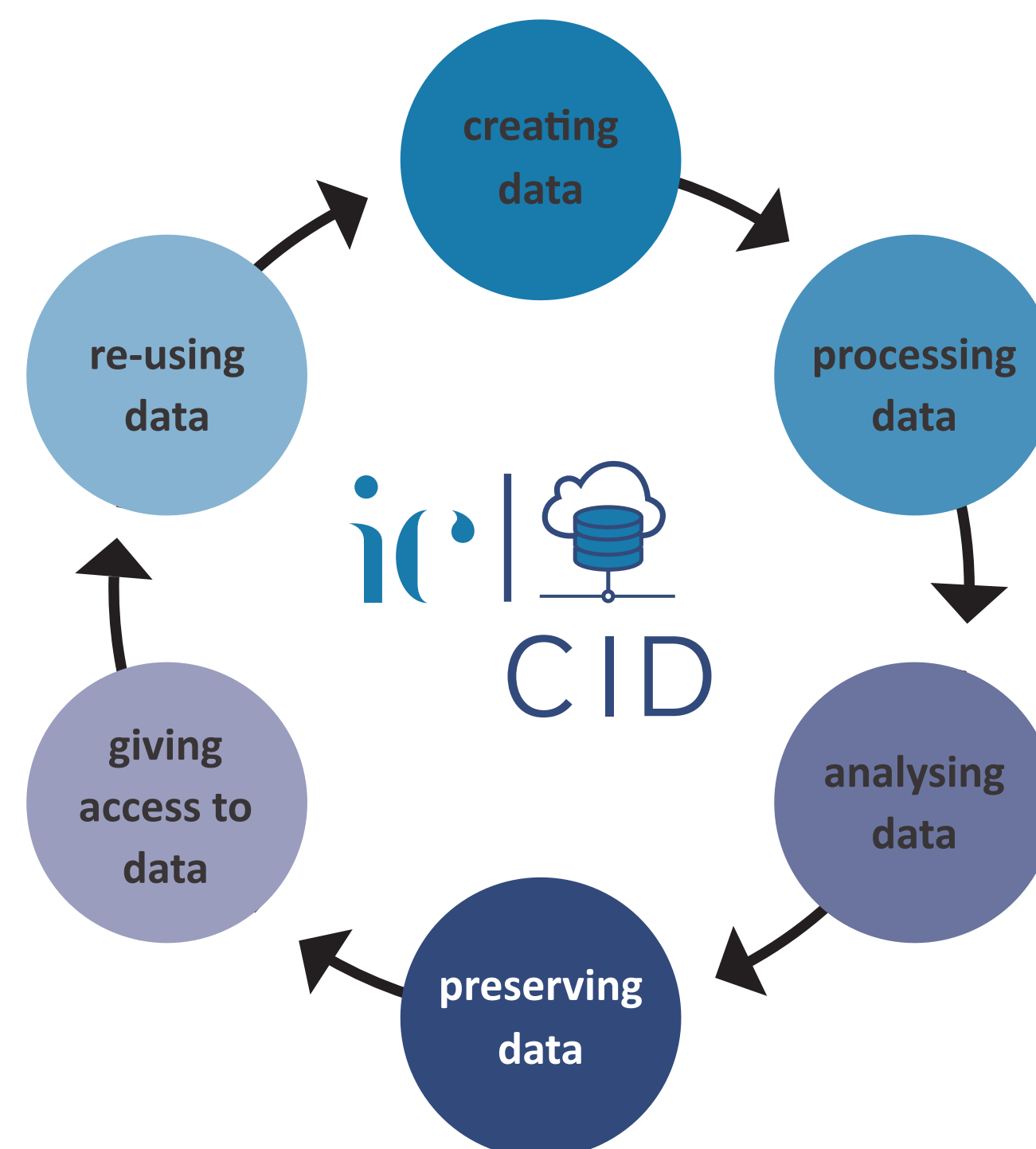
Cochin teams
External teams
Private companies



electronic lab notebook

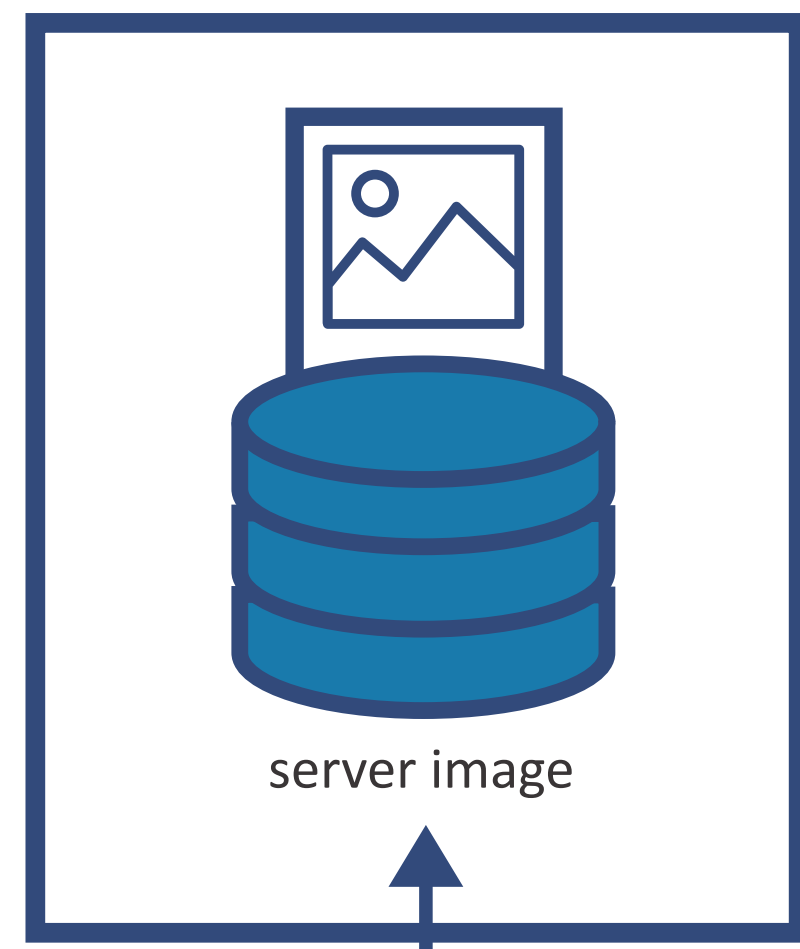
DATA MANAGEMENT PLAN DMP COCHIN

- DMP COCHIN OPIDOR
- METADATA : SYSTEMS, SAMPLES, QUALITY
- 100% INSTITUT COCHIN SERVERS
- BACKUP DSI INSERM
- DOI COCHIN
- SHARING & PUBLISHING VIA URL
- FAIR
- OPEN DATA
- DATASETS

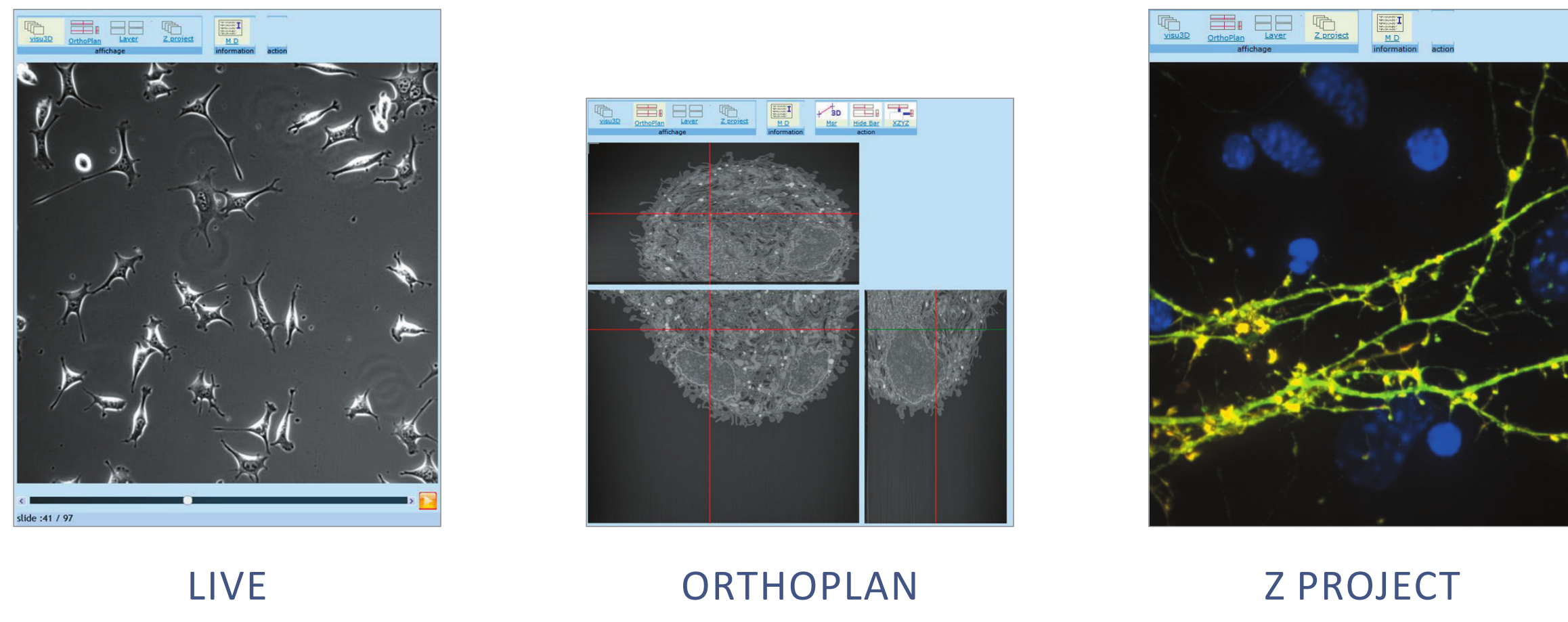


SHARING /
PUBLICATION /
DATA REPORTING

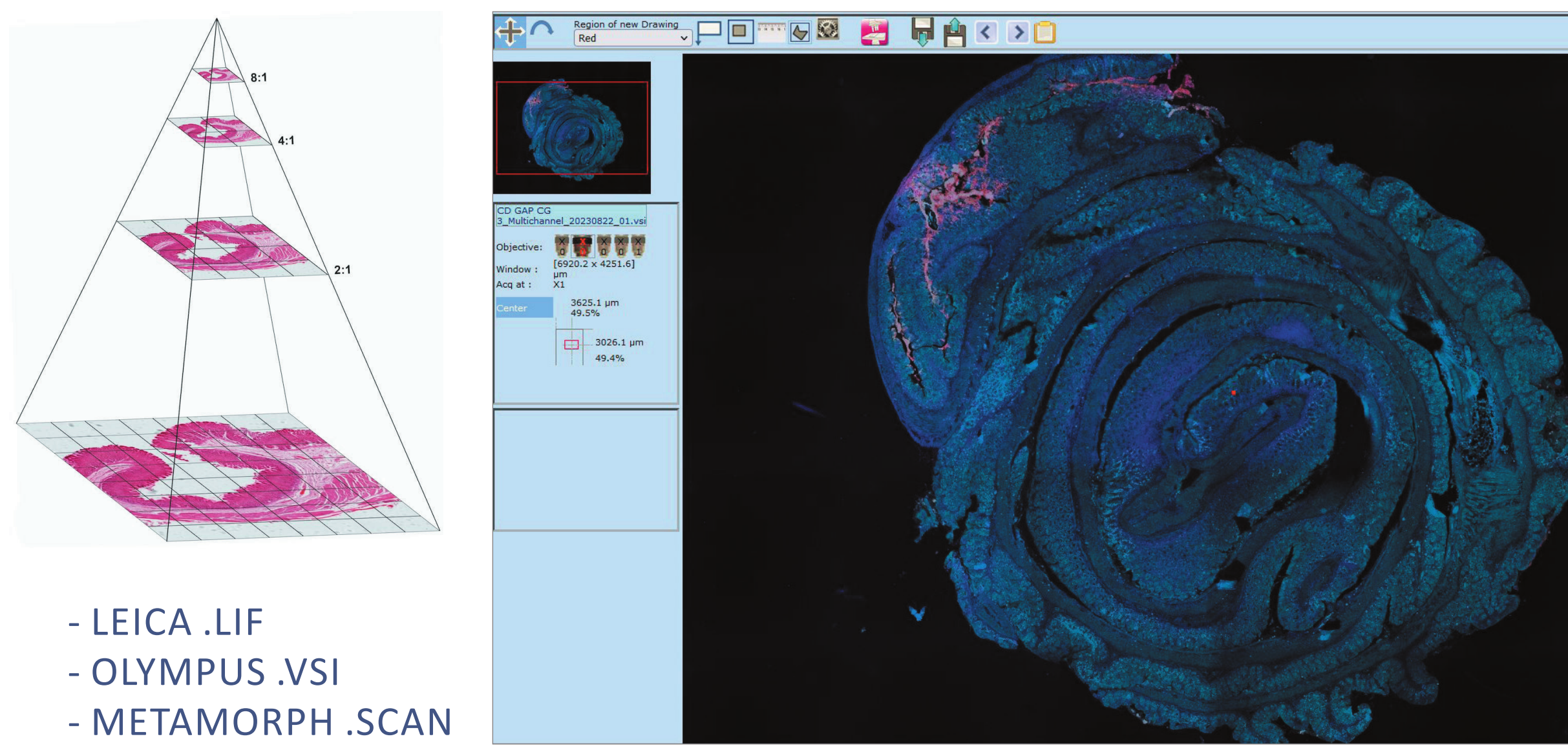
ONLINE MULTIDIMENSIONAL VIEWER



ONLINE IMAGE PROCESSING

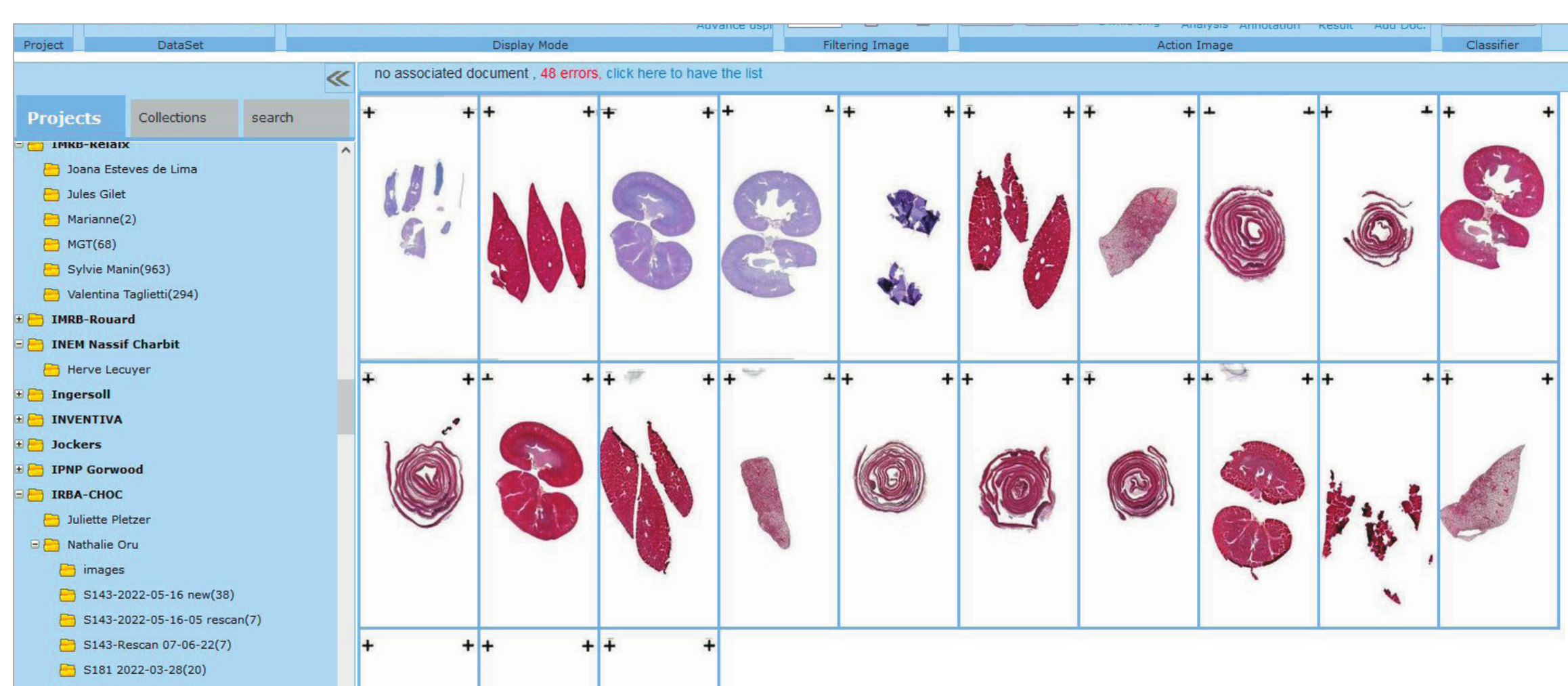


ONLINE PYRAMIDAL IMAGE VIEWER (FLUO)

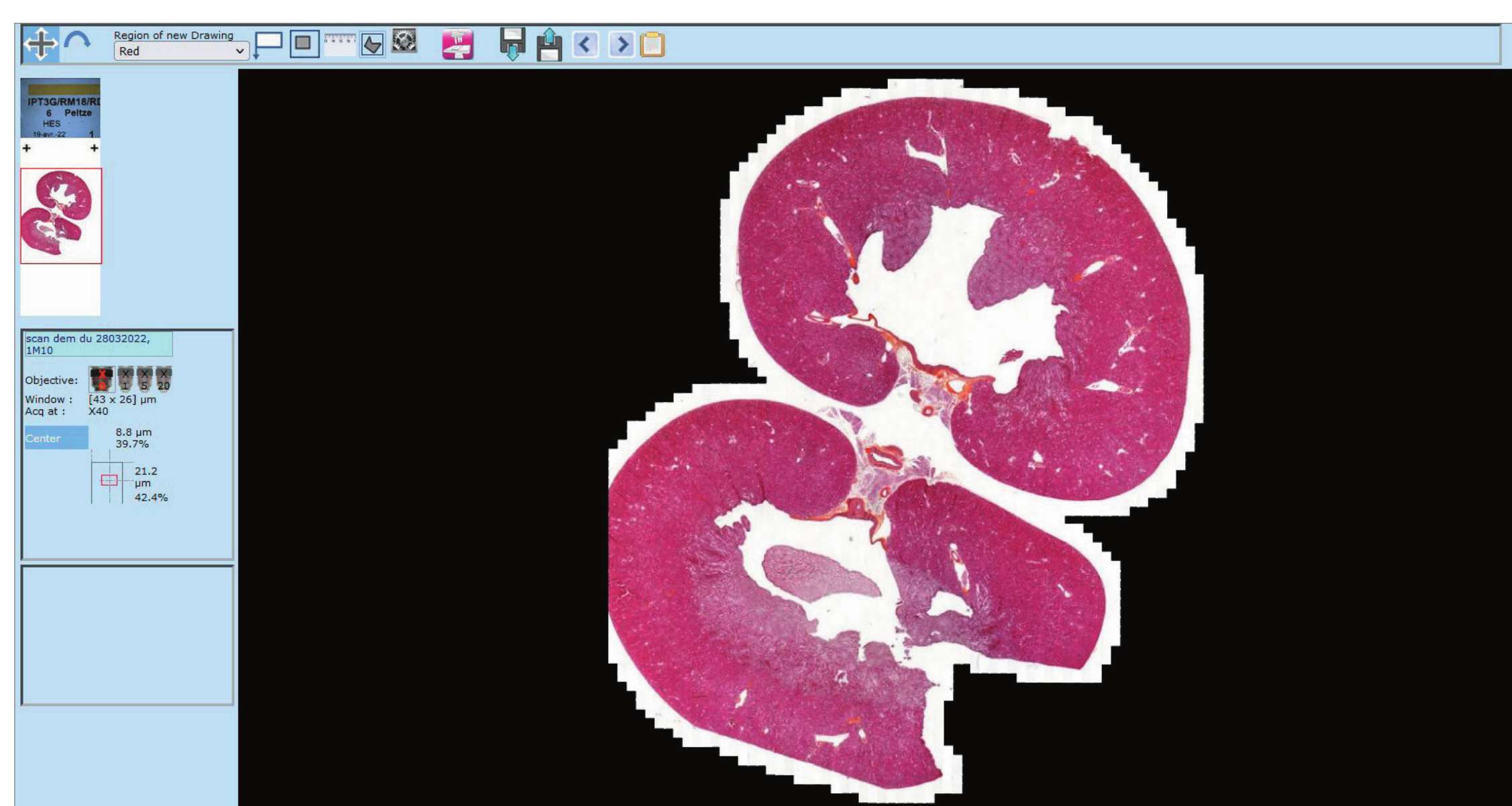


- LEICA .LIF
- OLYMPUS .VSI
- METAMORPH .SCAN

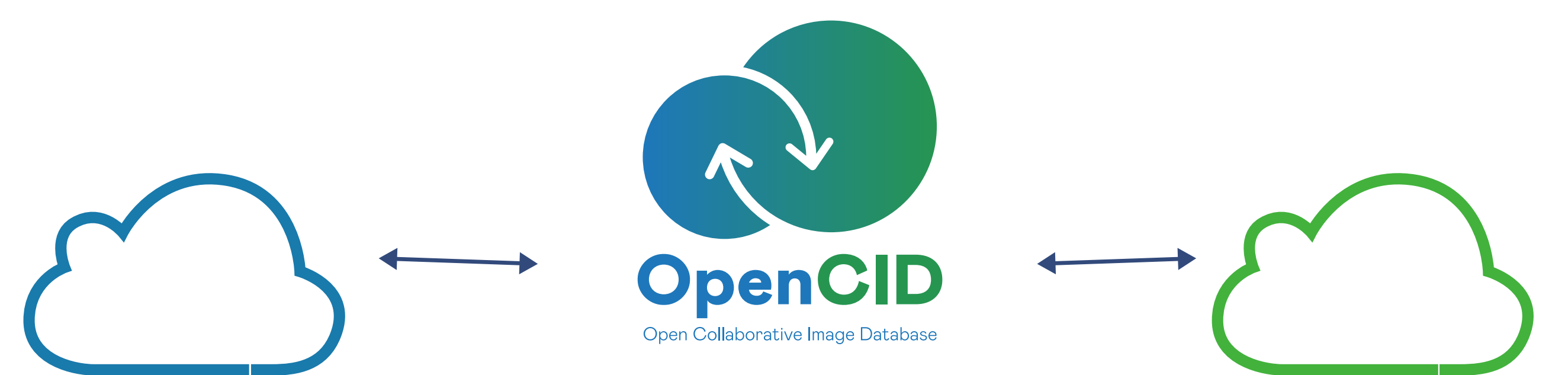
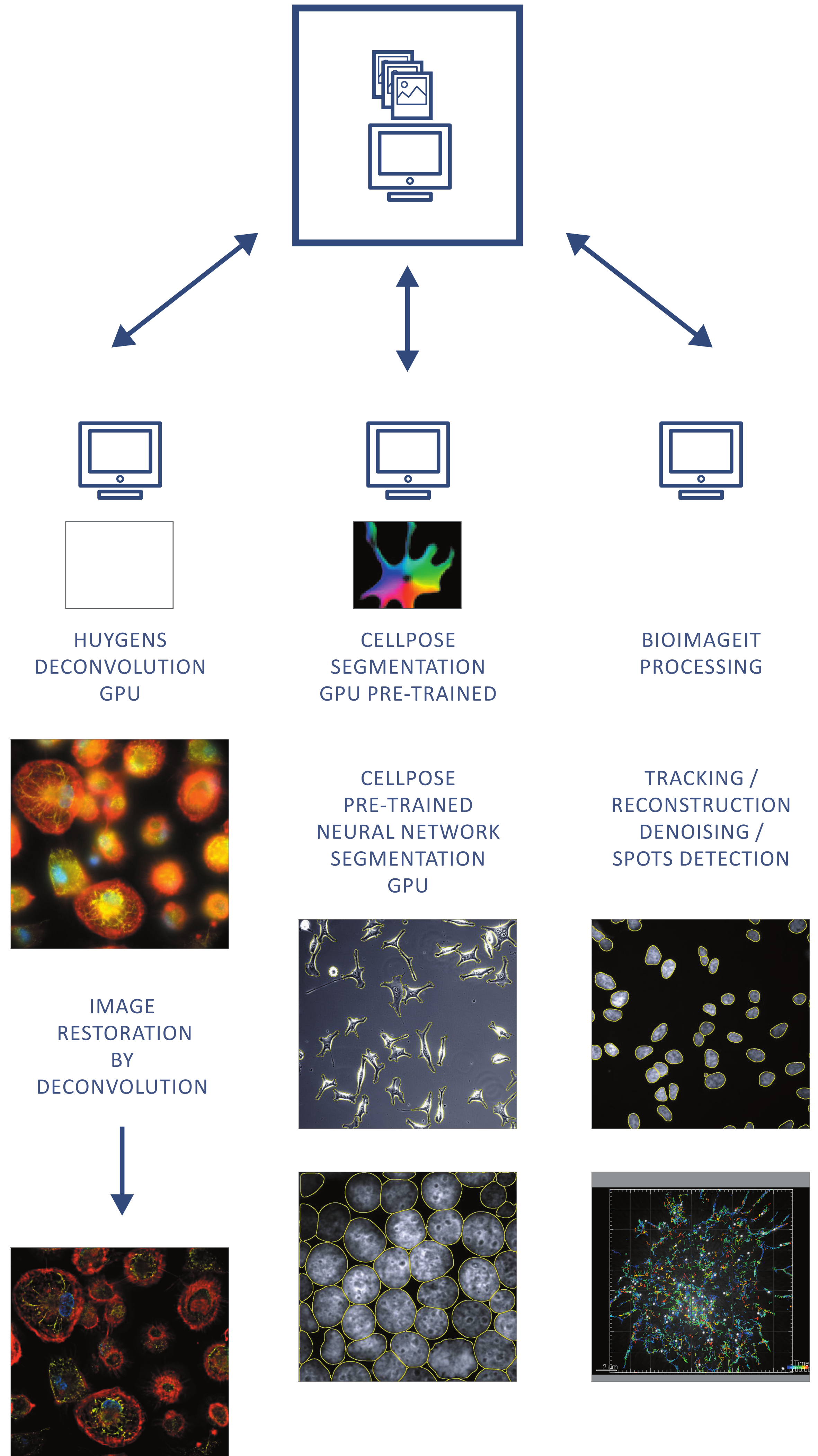
ONLINE PYRAMIDAL IMAGE VIEWER (RGB)



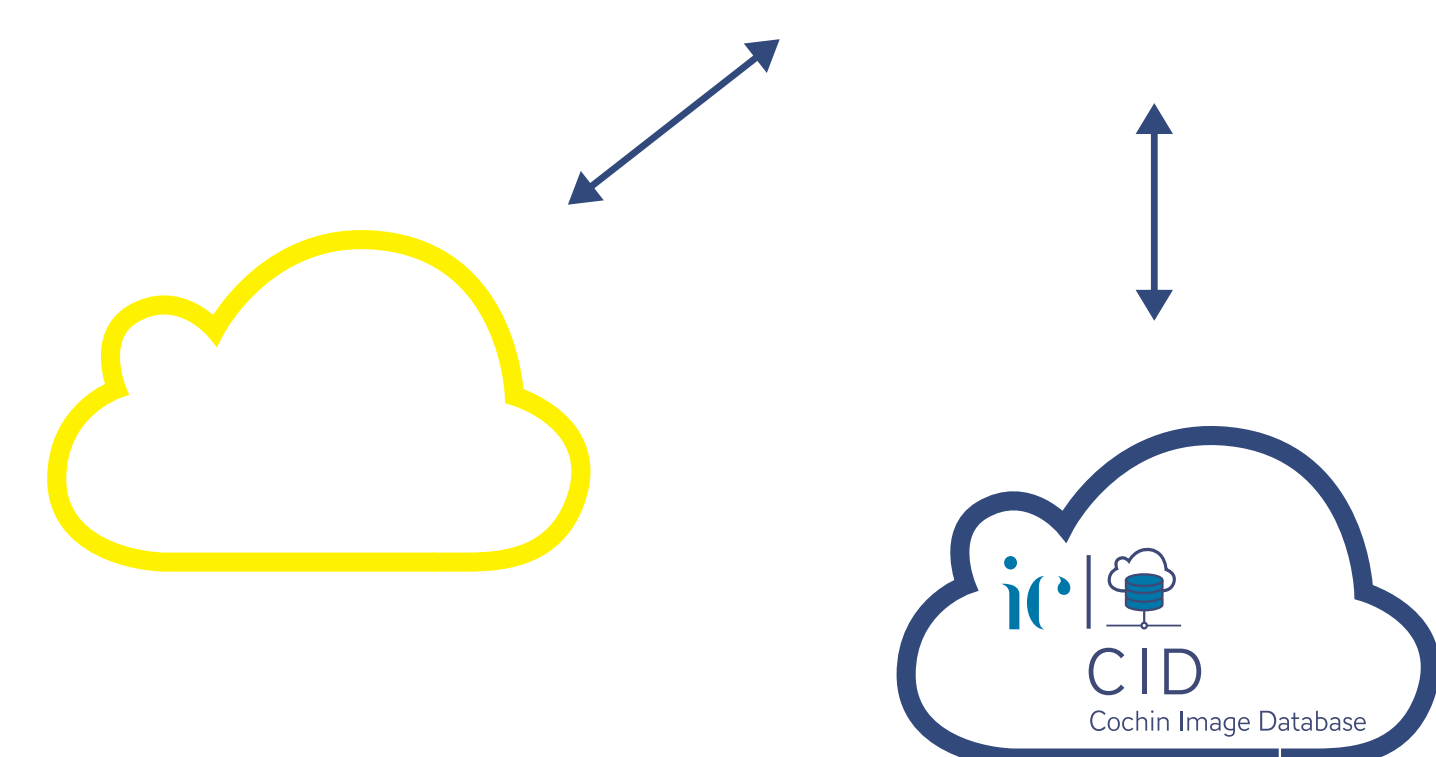
- DIGITAL SLIDE SCANNER RGB
- .MRXS
- HAMAMATSU .NDPI



DATA IMPORT PROCESSING



OPEN COLLABORATIVE IMAGE DATABASE
(non profit organization)



- annual subscription
- access to update
- access to the code
- proposed update
- present on the board



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 issue