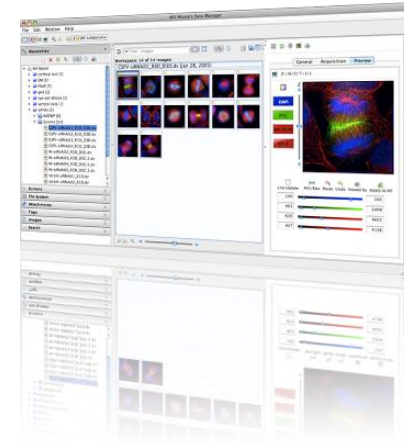
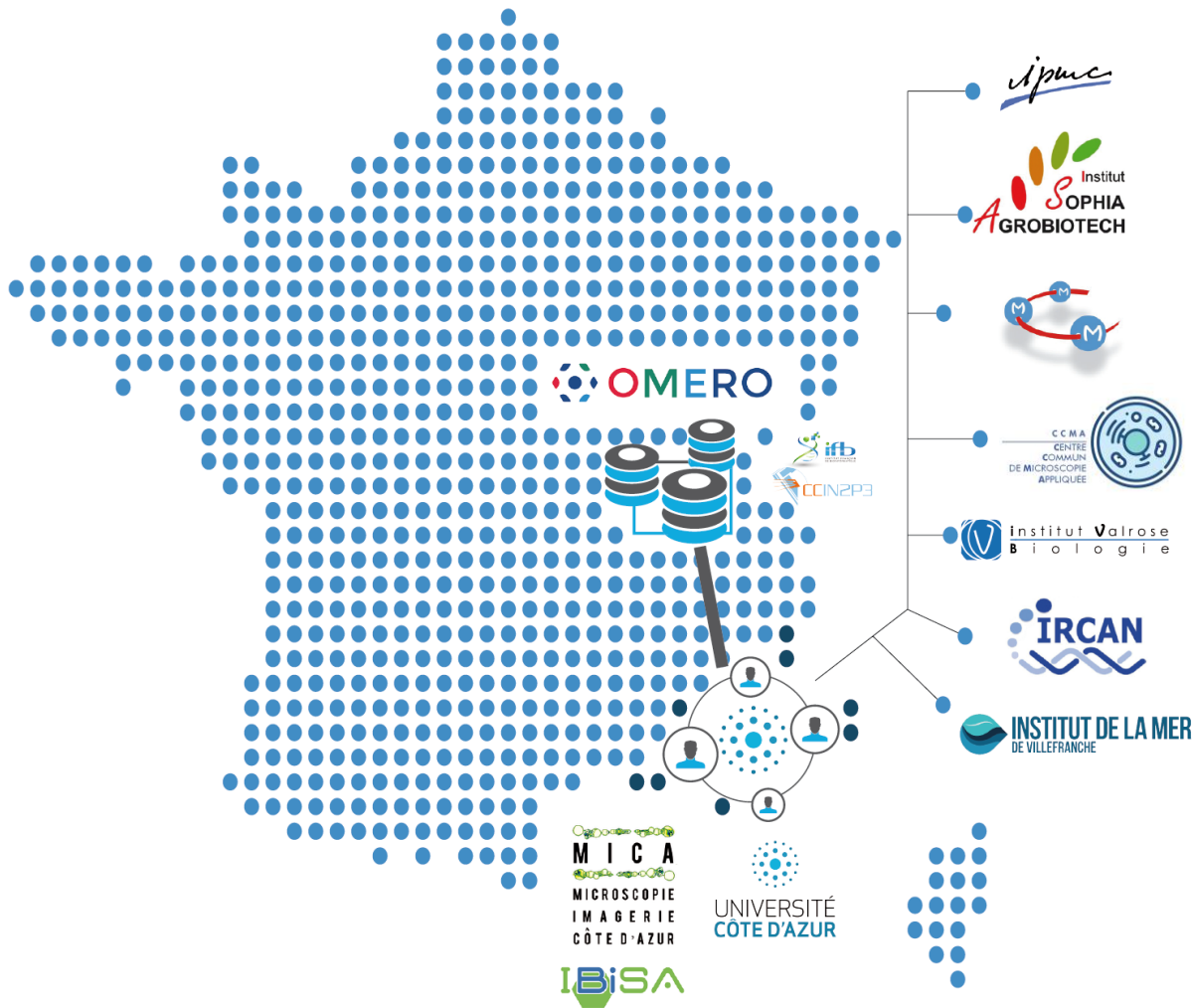
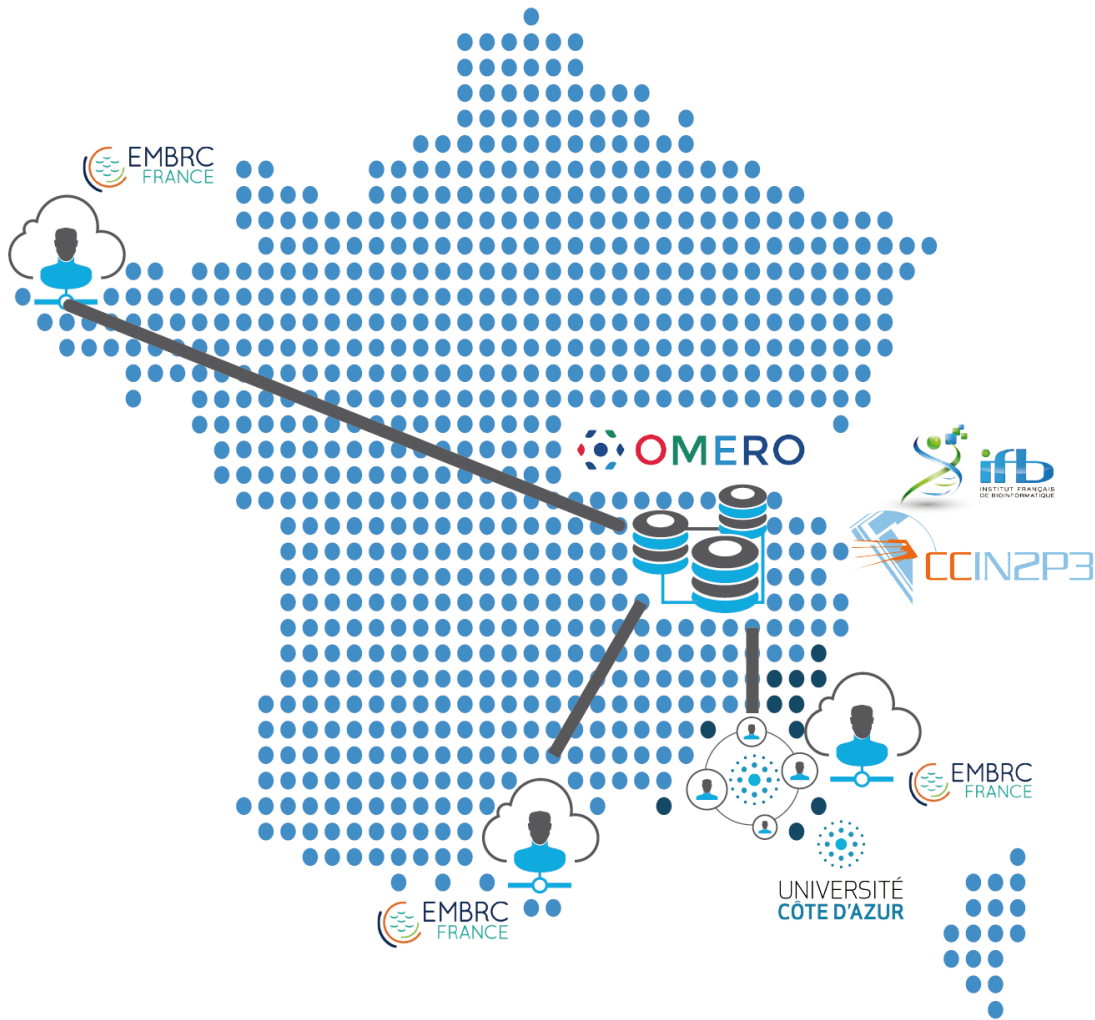


Mutimage_UCA



Mutualisation UCA EMBRC-Fr



Organisation fonctionnelle

C. Blanchet
Data base – Storage – Data Security

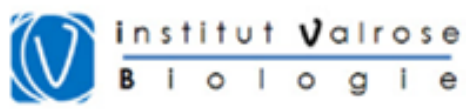
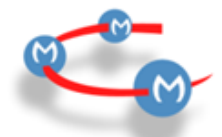


F. Bekkouche
Technical referent Omero



- S. Pisano
IRCAN
- M. Irondelle
C3M
- O. Pierre
ISA
- S. Ben Aicha
iBV
- G. Carles
TIRO-MATOS
- F. Brau/S. Abelanet
IPMC
- S. Schaub
IMEV
- E. Debreuve
Morpheme

Manage groups and users access
Training & Support



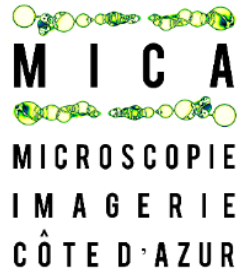
Communication & support



Site Web



Guides
Tutoriels
Forum



Site web



Protocoles
Liens
FAQ
Data
Management
Plan (DMP)
Tips & Tricks



Liste de diffusion



omero-users@univ-cotedazur.fr
Informations
Notifications
Maintenances



omero-support@univ-cotedazur.fr
Questions
utilisateurs

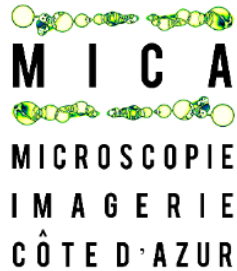


Policy



DMP
for Optimized
Sharing and
Interoperability of
Research Data

Disponible pour tout le monde!



Site Web



Protocoles

Liens

FAQ

Data

Management

Plan (DMP)

Tips & Tricks

Do you Omero?

Summer Tip 2020

Optimize the TIFF import & display of
large images by an IMS conversion

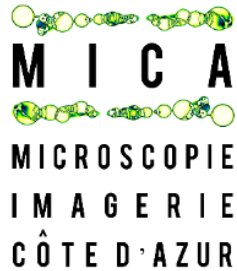


Liste de diffusion

omero-mfm@services.cnrs.fr



Disponible pour tout le monde!



Site Web



Protocoles

Liens

FAQ

Data

Management

Plan (DMP)

Tips & Tricks



Policy



DMP

for Optimized
Sharing and
Interoperability of
Research Data



DMP Model for Facilities  **DSW**

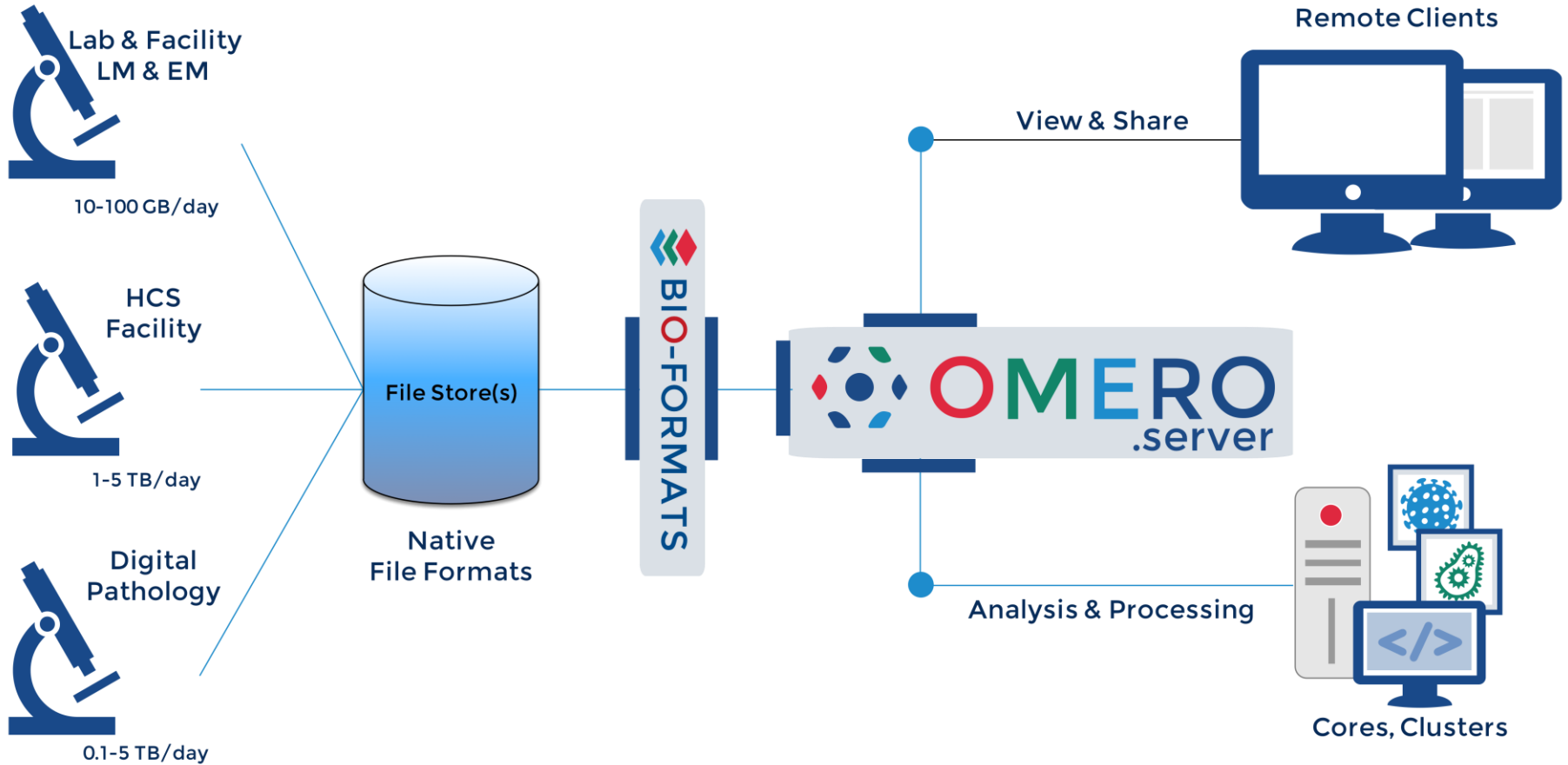


Liste de diffusion

omero-mfm@services.cnrs.fr

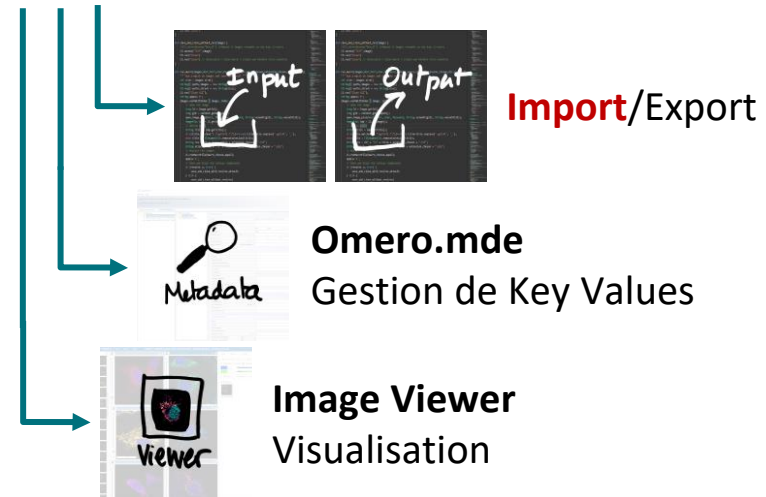
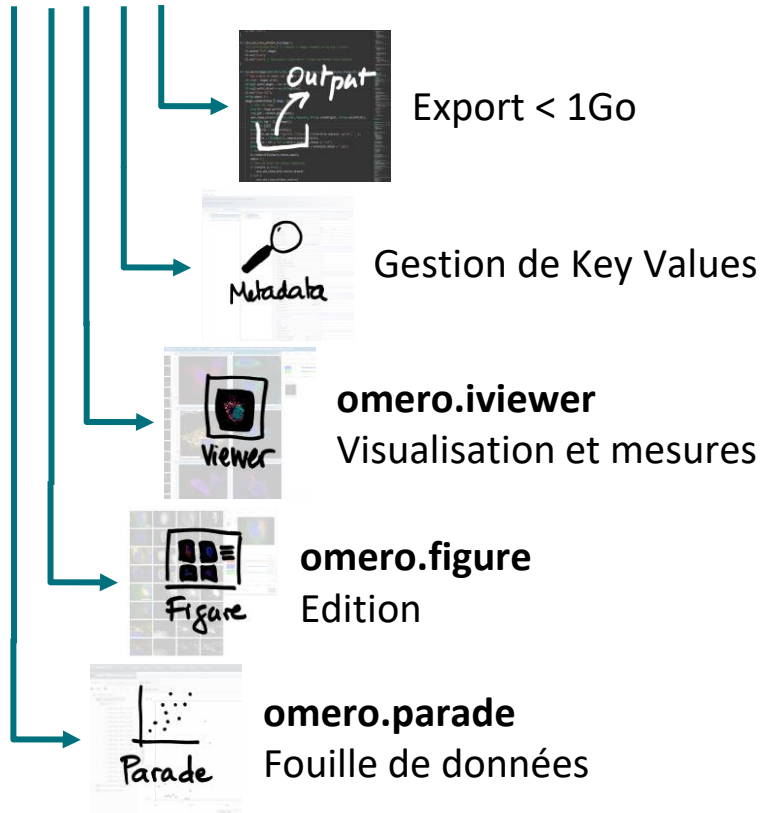


Technologie Omero



<https://openmicroscopy.org/omero>

Omero



Accès déconvolution
(Huygens Remote Manager)



Interfaçage possible
avec logiciels d'analyses

Déconvolution d'images

Local Desk



Huygens Remote Manager

Theme: dark light

User name Password

The Huygens Remote Manager is an easy to use interface to the Huygens Software by Scientific Volume Imaging B.V. that allows for multi-user, large-scale deconvolution and analysis.

Analyse d'images

Local Desk

Galleries & Data bases

ImageJ/Fiji

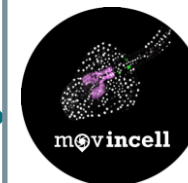
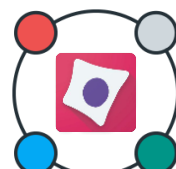
Matlab

Python

Cellprofiler

Orbit

WEB



Marimba



 **OMERO**

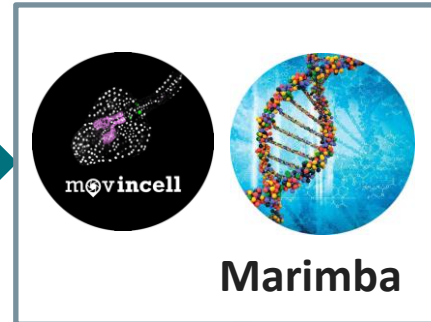
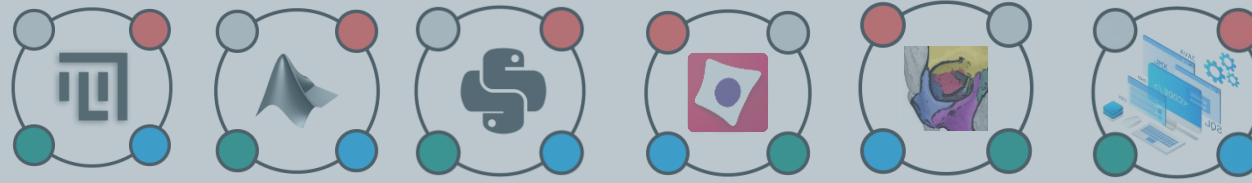


Analyse d'images

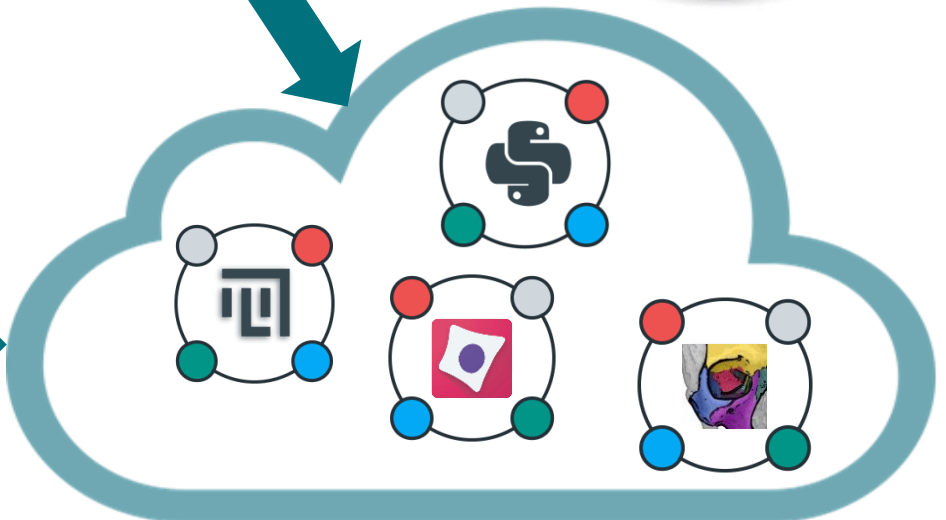
Virtual Desk

Galleries & Data bases

ImageJ/Fiji Matlab Python Cellprofiler Orbit WEB

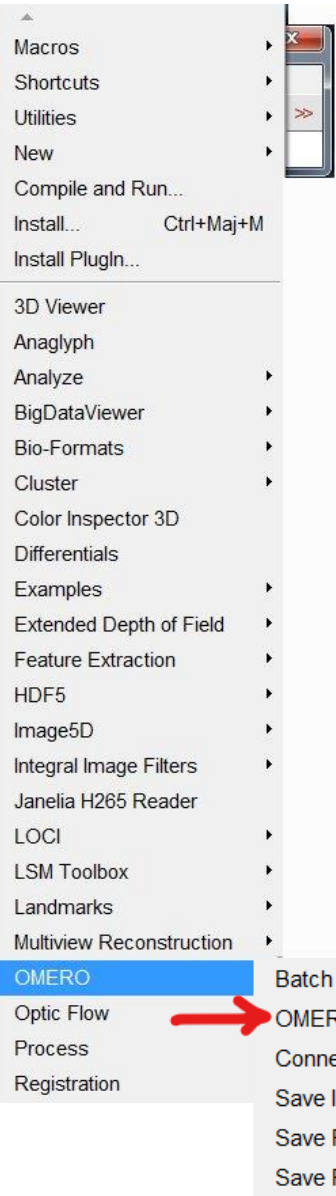
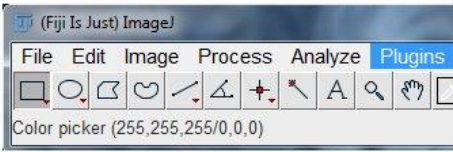


Cloud





Analyse d'images



Local Desk



Pierre Pouchin



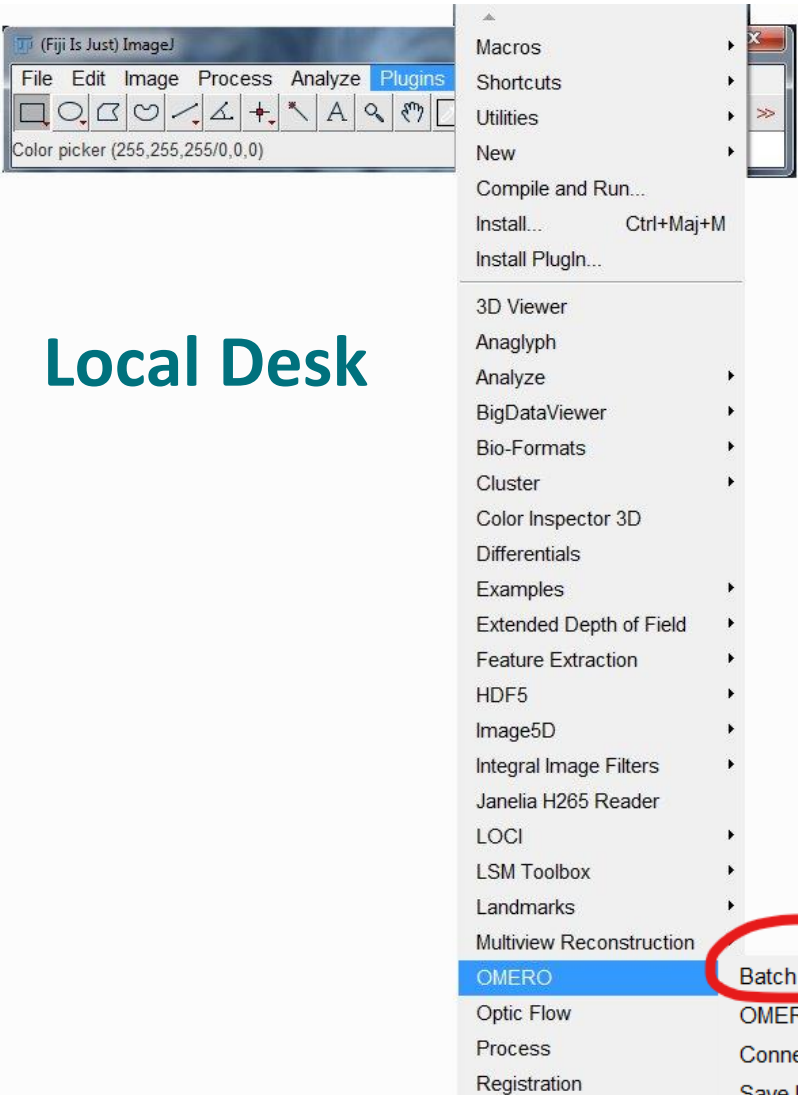
OMERO MacroExtensions

```
run("OMERO Extensions");
Ext.connectToOMERO("host", 4064, "username", "password");
...
Ext.disconnect();
```





Analyse d'images



Local Desk



P. Pouchin

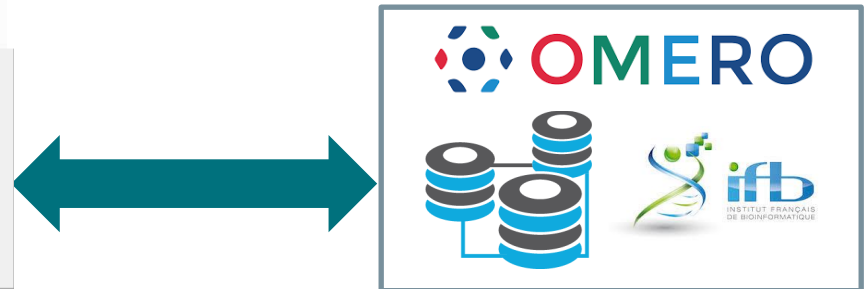


R. Zoghlami



F. Brau

Batch Omero plugin





Analyse d'images

Local Desk

Plugins menu items:

- Macros
- Shortcuts
- Utilities
- New
- Compile and Run...
- Install... Ctrl+Maj+M
- Install Plugn...
- 3D Viewer
- Anaglyph
- Analyze
- BigDataViewer
- Bio-Formats
- Cluster
- Color Inspector 3D
- Differentials
- Examples
- Extended Depth of Field
- Feature Extraction
- HDF5
- Image5D
- Integral Image Filters
- Janelia H265 Reader
- LOCI
- LSM Toolbox
- Landmarks
- Multiview Reconstruction
- OMERO**
- Optic Flow
- Process
- Registration

Sub-menu for OMERO:

- Batch process
- OMERO Extensions
- Connect to OMERO
- Save Image(s) to OMERO
- Save ROIs to OMERO
- Save Results to OMERO

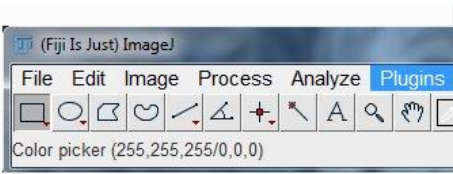
OMERO Batch Plugin dialog box:

- Warning: all windows will be closed.
- Connection: Connection status: **Connected** [Disconnect]
- Source: Where to get images to analyse: OMERO Local
- Input: Group Name: IPMC-TEAM Projet BatchMacro (ID = 463) User Name: frederic.brau
Project Name: 3D (ID = 2269) Dataset Name: FluoCells_Prepared Slide3_confocal (ID = 8276) [Preview]
 Load ROIs Clear ROIs each time
- Macro: Macro file: batch_onOmero_3D_IJ2_Arguments.ijm [Browse] [Set arguments]
Language: IJ1 Macro
Arguments: {size_min2D=20, size_min3D=10, close_all=false}
The macro returns: New image(s) Results table(s) ROIs Log file
- Output: Where to save results: OMERO Local
- [Start]



Analyse d'images

Local Desk



- Macros
- Shortcuts
- Utilities
- New
- Compile and Run...
- Install... Ctrl+Maj+M
- Install Plugn...
- 3D Viewer
- Anaglyph
- Analyze
- BigDataViewer
- Bio-Formats
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- Integral Image Filters
- Janelia H265 Reader
- LOCI
- LSM Toolbox
- Landmarks
- Multiview Reconstruction
- OMERO**
- Optic Flow
- Process
- Registration



```
Accepte le scripting IJ2
// @Integer(label="2D Minimal size", value=20) size_min2D
// @Integer(label="3D Minimal size", value=10) size_min3D
// @boolean(label="Close all the images at the end", value=false) close_all
```

OMERO Batch Plugin

Warning: all windows will be closed.

Connection: Connection status: **Connected** [Disconnect]

Source: Where to get images to analyse: OMERO Local

Input: Group Name: IPMC-TEAM Projet BatchMacro (ID = 463) User Name: frederic.brau

Project Name: 3D (ID = 2269) Dataset Name: Fluocells_Prepared Slide3_confocal (ID = 8276) [Preview]

Load ROIs Clear ROIs each time

Macro: Macro file: batch_onOmero_3D_IJ2_Arguments.ijm [Browse] **Set arguments**

Language: IJ1 Macro
Arguments: {size_min2D=20, size_min3D=10, close_all=false}

The macro returns: New image(s) Results table(s) ROIs Log file

Output: Where to save results: OMERO Local

[Start]

- Batch process**
- OMERO Extensions
- Connect to OMERO
- Save Image(s) to OMERO
- Save ROIs to OMERO
- Save Results to OMERO

script:D:\Analyse_Images_en_cours\BatchMacro_Omero... X

2D Minimal size: 20

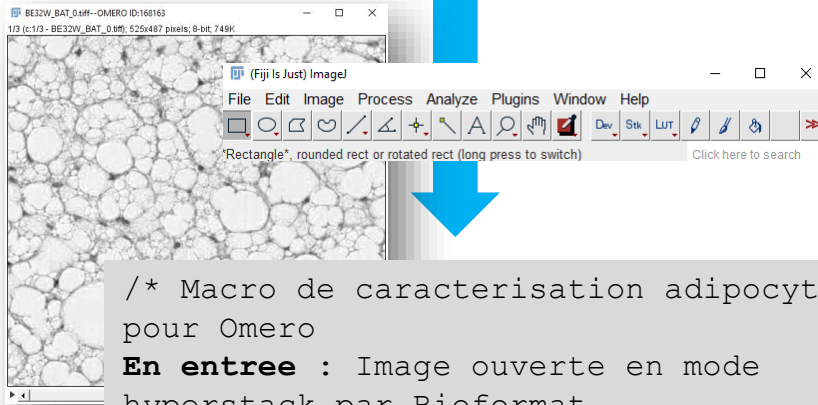
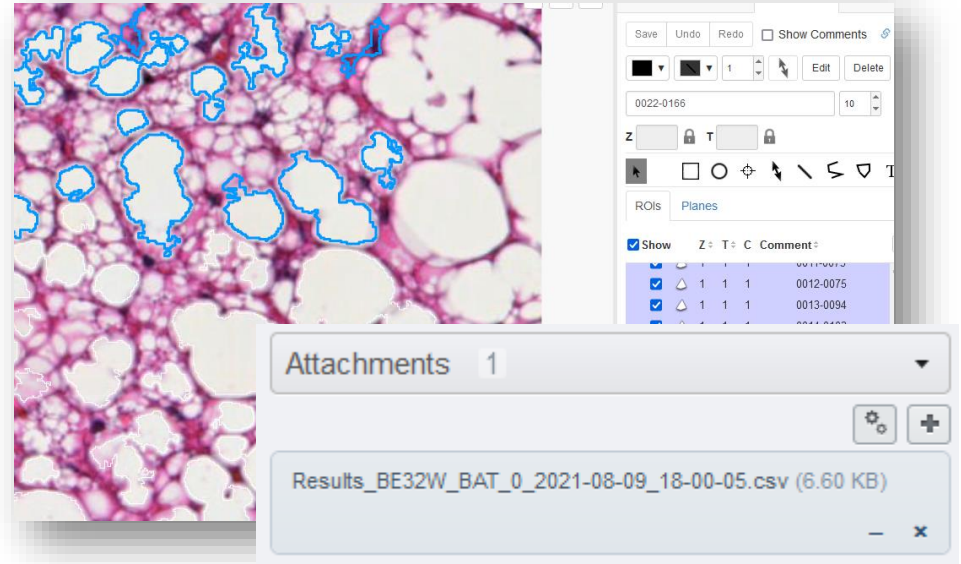
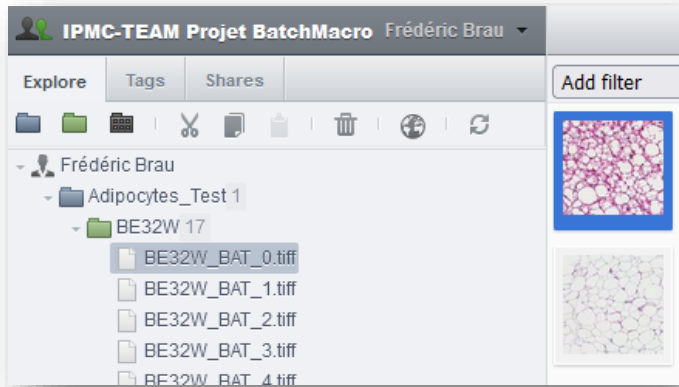
3D Minimal size: 10

Close all the images at the end:

[OK] [Annuler]



Analyse d'images



/* Macro de caracterisation adipocytes pour Omero
En entree : Image ouverte en mode hyperstack par Bioformat
En sortie : 1 image de resultat + 1 Tableau de resultat Nombre de cellules + surfaces +% de la surface totale



- * **ROIs**
- * **Attachés :**
- * **Tableau de Résultats**
- * **Toutes images ouvertes**
- * **Fichier Log**



Analyse d'images

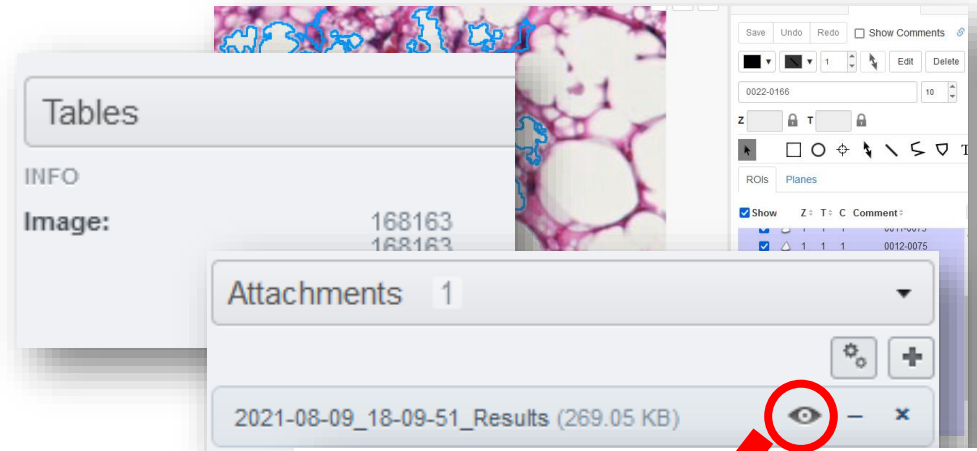
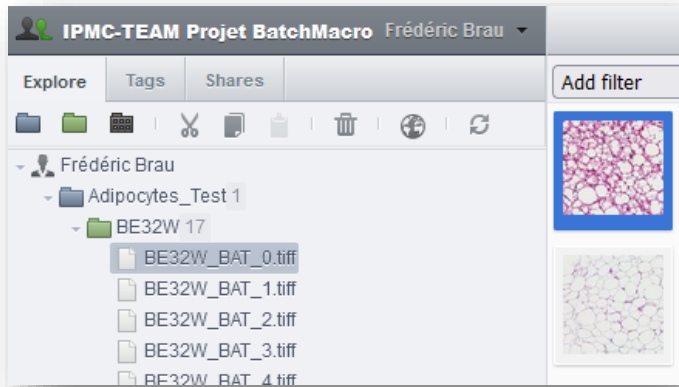
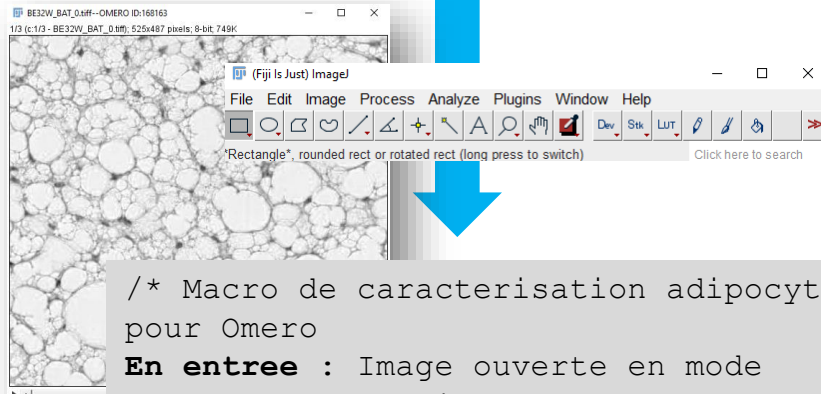


Image	Area	Perim_	Circ_	Feret
168163	84.0	55.941125496954285	0.33730808455416134	17.327723451163457
168163	184.25	115.95331880577405	0.17220707635645122	29.424731758421397
168163	52.0	57.18376618407357	0.19983322511673487	15.700318468107582



/* Macro de caracterisation adipocytes pour Omero
En entree : Image ouverte en mode hyperstack par Bioformat
En sortie : 1 image de resultat + 1 Tableau de resultat Nombre de cellules + surfaces +% de la surface totale

Attachements Projet/Image :
Table

Omero.parade

Remerciements



Académie 4



CNRS



GB Polytech students



Pierre Pouchin



Rayan Zoghلامي

Carole Rovère

Clara Sanchez

Thank you for your attention



MICA
MICROSCOPIE
IMAGERIE
CÔTE D'AZUR

UNIVERSITÉ
CÔTE D'AZUR