Montpellier RIO Imaging
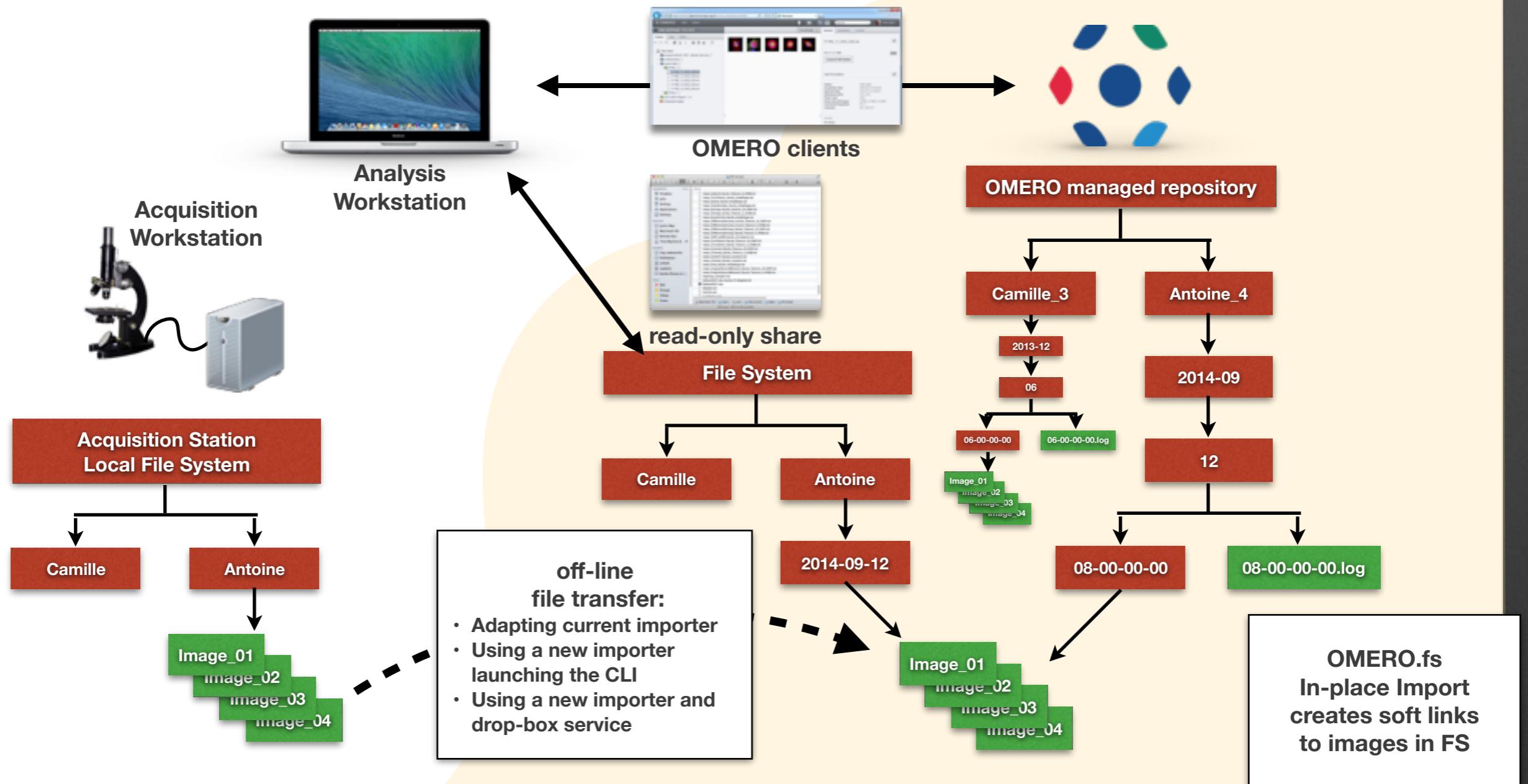
- A large multisite core facility:
  - More than 700 active users
  - More than 40 microscopes
  - Cytometry, Electron microscopy and X-ray tomography

- OMERO server in production for 2 years:
  - 165 accounts: mixed use (23 users with more than 100 Gb)

- We are aiming at a 'full' adoption of OMERO:
  - Server upgrade to virtual machines
  - Space upgrade from 30 to 100 Tb. Weekly full backup
  - Training courses, videos, website,…
  - Full-time developer hired to work on OMERO developments
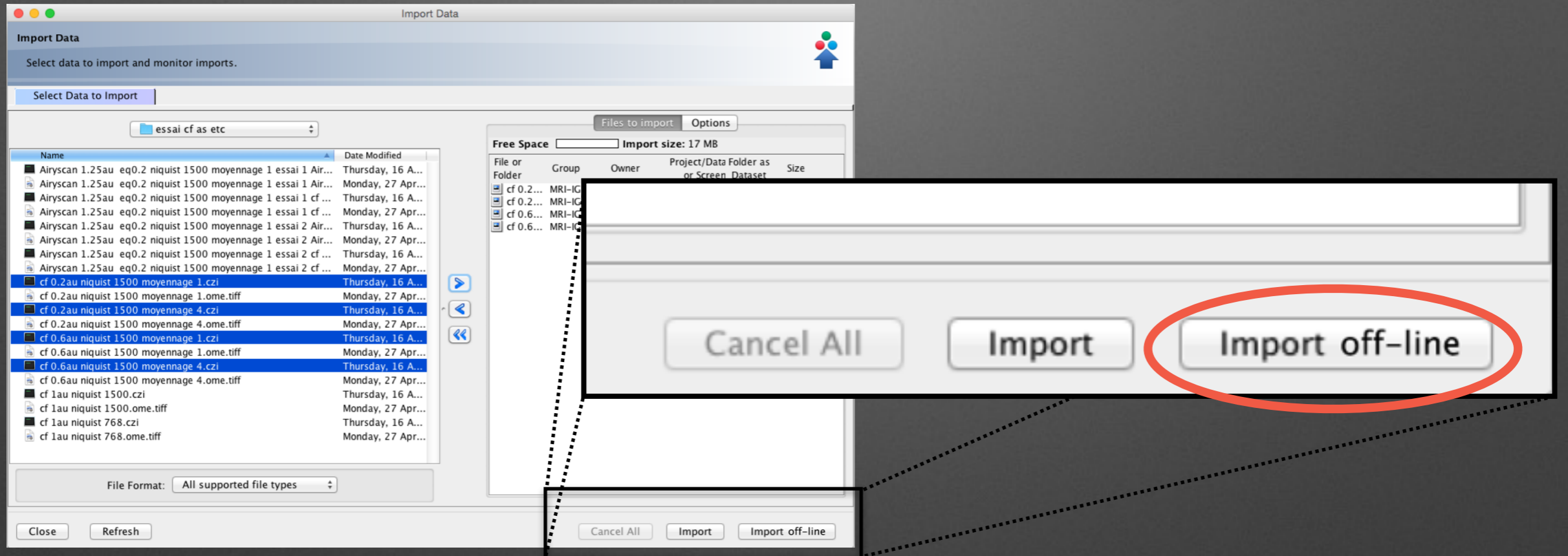
What would we like?
off-line import

- Import data from acquisition stations quickly and with no user presence: users pay per usage time and microscopes are blocked

- A mixed environment OMERO and a more classic File System

- View and work with the images ASAP

off-line import scenario at MRI

OMERO clients

Acquisition Workstation

Analysis Workstation

read-only share

OMERO managed repository

Acquisition Station Local File System

- Camille
- Antoine
  - Image_01
  - Image_02
  - Image_03
  - Image_04

File System
- Camille
- Antoine
  - 2014-09-12
    - Image_01
    - Image_02
    - Image_03
    - Image_04

off-line file transfer:
- Adapting current importer
- Using a new importer launching the CLI
- Using a new importer and drop-box service

Camille_3
- 2013-12
  - 06
    - 06-00-00-00
    - 06-00-00-00.log
      - Image_01
      - Image_02
      - Image_03
      - Image_04

Antoine_4
- 2014-09
  - 12
    - 08-00-00-00
    - 08-00-00-00.log

OMERO.fs In-place Import creates soft links to images in FS

off-line import scenario at MRI

What would we like?
other ideas

- ## OMERO.metrics
  OMERO add-on to manage and report on microscope's performance through the automated analysis of standardised images.