

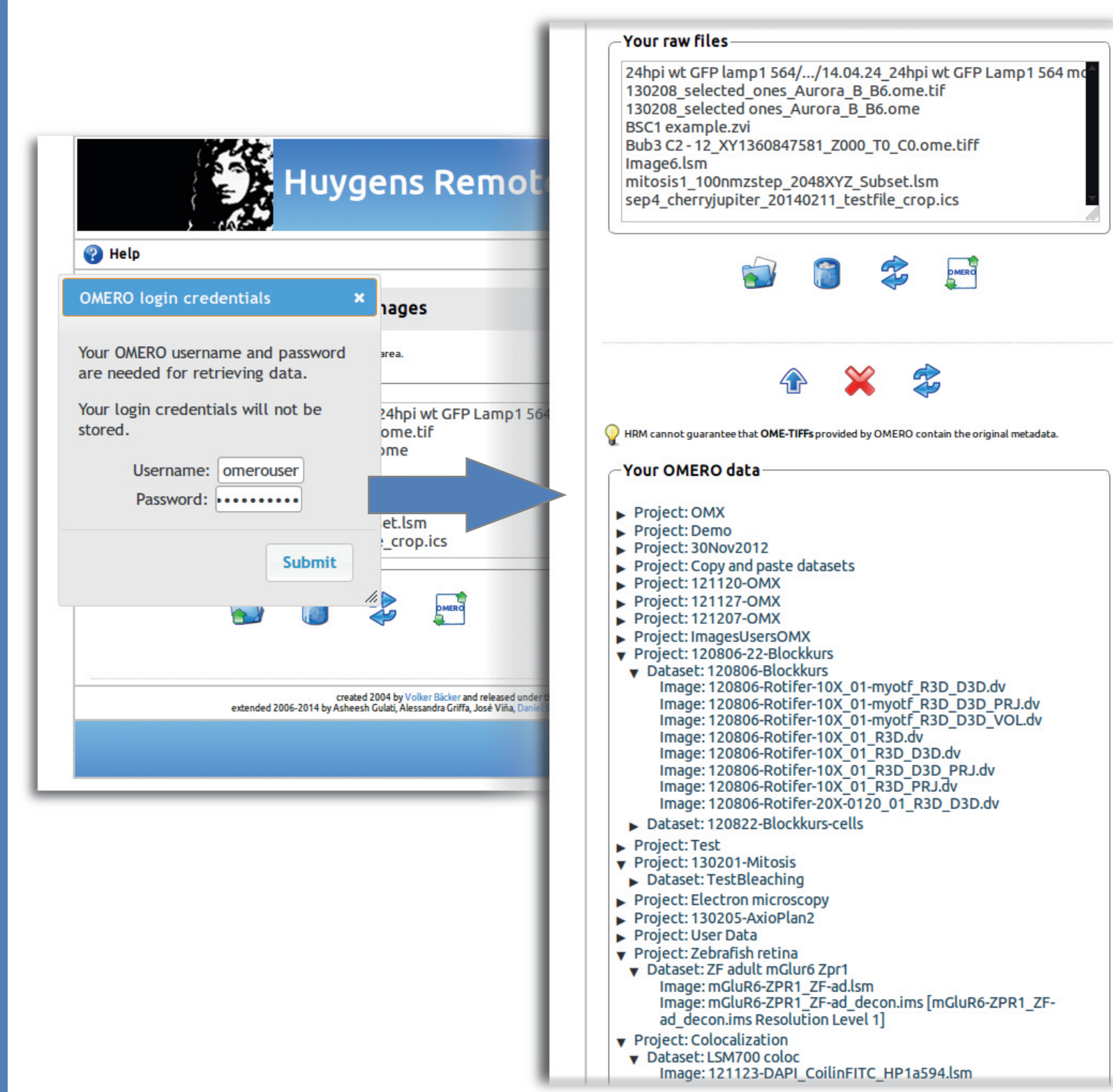
# Integrating OMERO and Huygens Remote Manager

## The Huygens Remote Manager



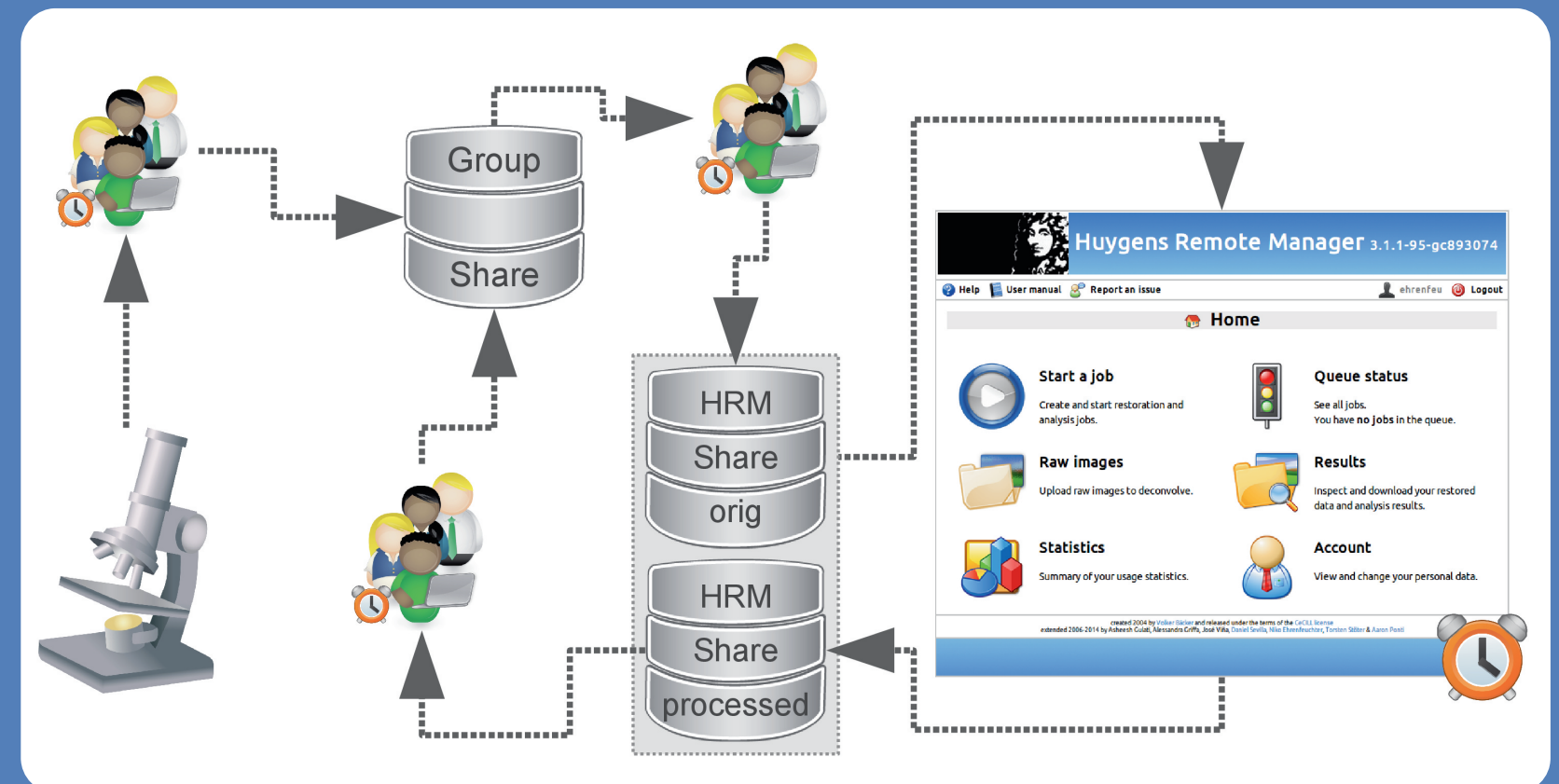
The Huygens Remote Manager (HRM) is a web-based interface to the Huygens software for parallel batch deconvolutions. It is intended for server-side processing of wide-field, confocal, spinning disk and STED microscopes.

## Exchanging data with OMERO



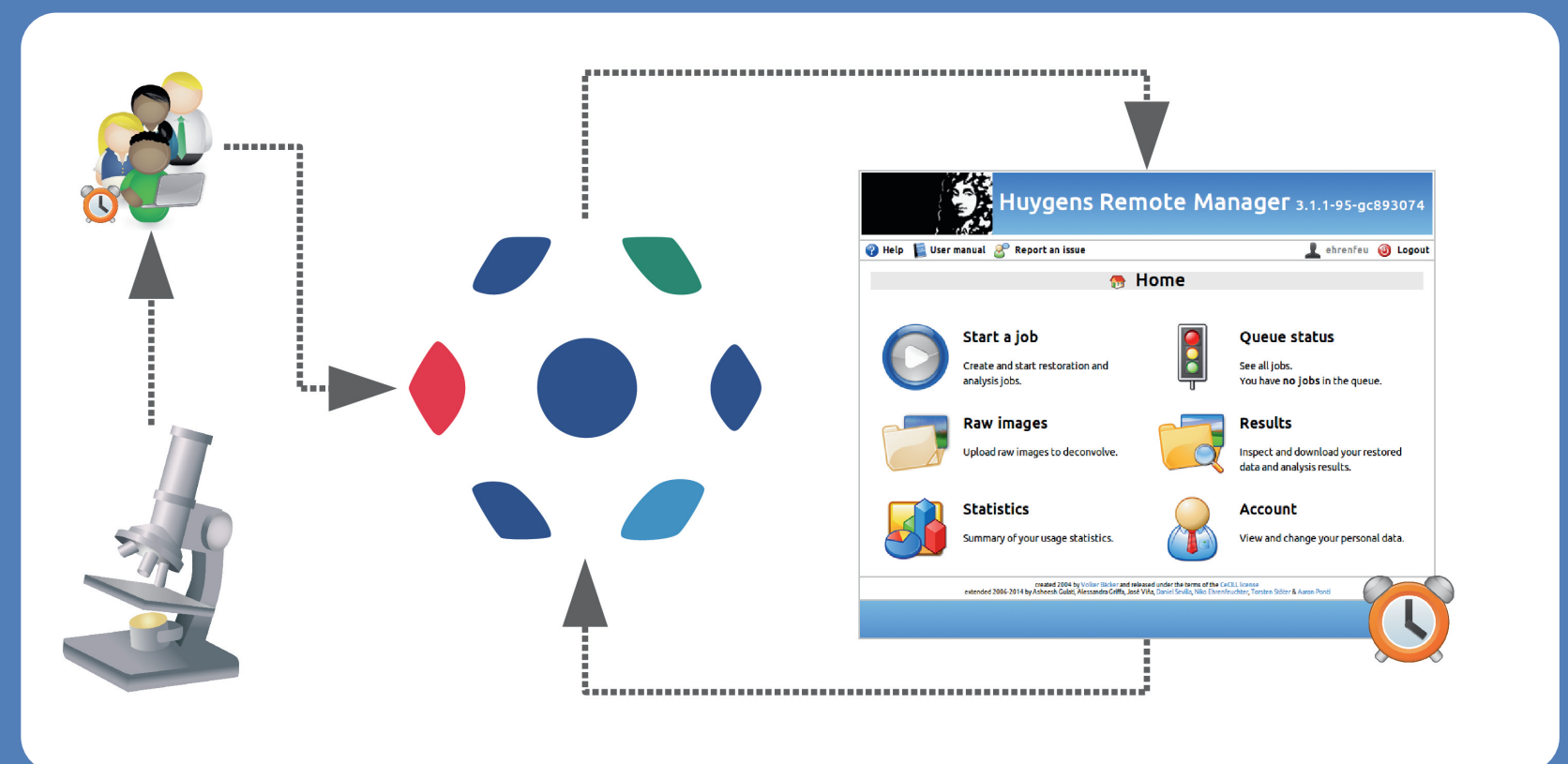
After logging in, users will be presented with the tree hierarchy available for them within OMERO. Raw images can be retrieved from OMERO as well as pushed back after processing.

## Conventional Workflow



Users have to copy data in advance via a network share to the HRM server, then use the HRM webinterface to set up the required parameters and select their images, creating a deconvolution job.

## Integrated Workflow



Using the HRM-OMERO integration, users can directly log on to the HRM, retrieve the hierarchy tree of OMERO projects / datasets / images from within the HRM's web interface and select images from there for creating deconvolution jobs.

## Current Status & Planned Features

### HRM 3.1

Initial support of OMERO: access to archived images only, requires HRM and OMERO to be installed on a single server.

### HRM 3.2 scheduled for June 2014

Support for OMERO 4.4 and OMERO 5, operation on distinct servers possible and the recommended installation method.

Bi-directional transfer possible using OMERO's OME-TIFF export functionality.

Full access to all datasets of all collaborative groups a user is member of.

No more limitation to images which had their original data archived during upload.

### PLANNED FEATURES

Improved support for OMERO groups.

Transfer of entire datasets.

Delayed "in-place" transfer of images during queue processing.

Storing of HRM metadata with results.

Automatic uploading of results to OMERO after processing.

### USER REQUESTS

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