Analysis in the cloud: VAE & ITR

The Virtual Analysis Environment (VAE) supports the open and reproducible analysis of data in the IDR. It is available to anyone. The Image Tools Resource (ITR) is a collection of open-source analysis software for bioimaging. Examples of those tools running against IDR are available. How does it work? What's next?

All deployment files, notebooks, and step-by-step tutorials are available on GitHub or Read the Docs.

Jean-Marie Burel, Sebastien Besson, Simon Li, Dominik Lindner, Josh Moore, Will Moore, Petr Walczysko, Frances Wong, Jason Swedlow

An open-source platform for cross-study analysis

JupyterHub and BinderHub provide researchers with reproducible environments for mining the data.

Reproduce analysis using a dedicated environment

Easily create your own analysis environment

Access the data via various APIs. Analyse data using 3rd party tools. Automatically turn our Git guides repository e.g. ome/ome-guide-ilastik, ome/ome-guide-r using public resources into an analysis environment and start mining the data.

IDR/idr-notebooks ome/openmicroscopy ome/omero-guides IDR-analysis.openmicroscopy.org