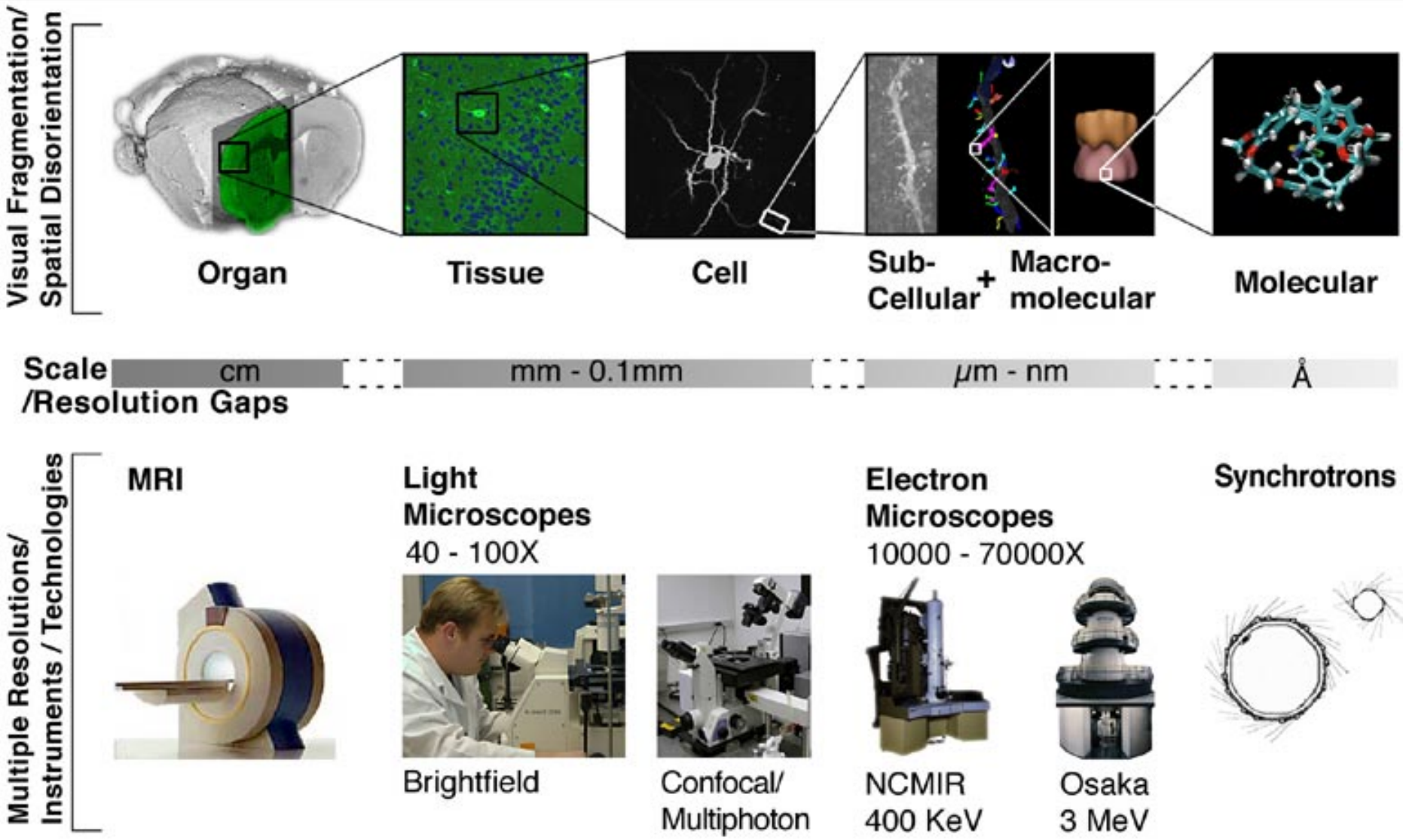
Persistent Collaboration Spaces

- Hardware installations assembled at each site.
- Unify SW at each site (Rocks Viz Roll w/ stable integration of SAGE)
- TeraVision for Streaming HDTV (video conferencing and microscope outputs)

Goal: Use these systems for conducting collaborative experiments

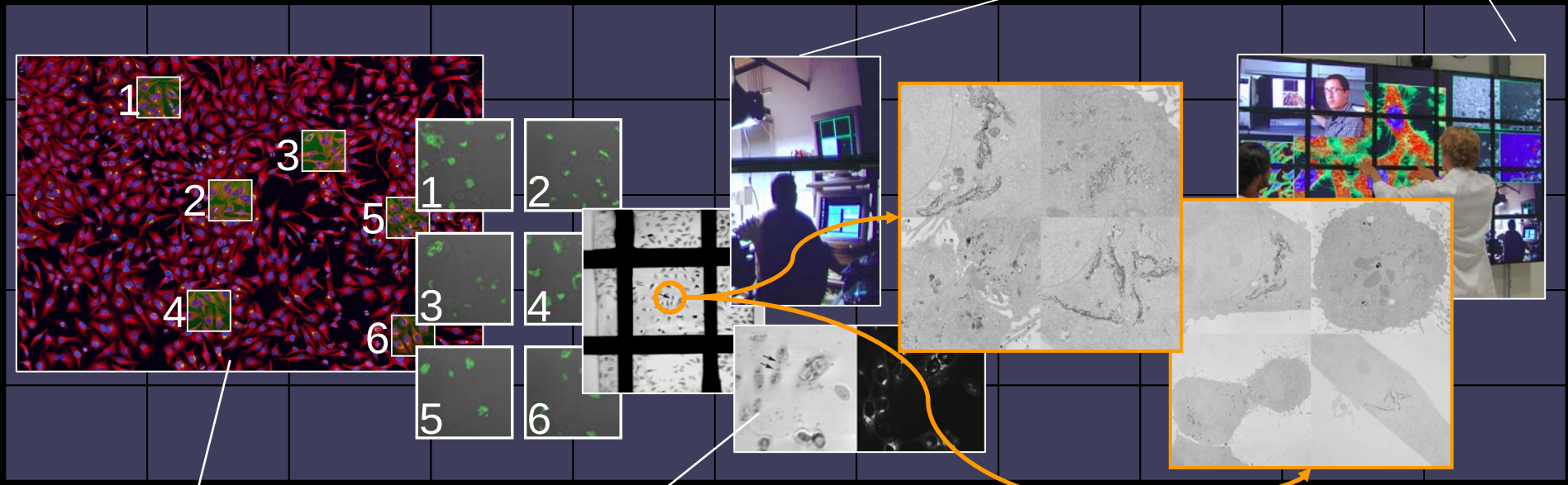
iGrid 2005 – Multi-scale Correlated Microscopy Experiment Demonstrated via OptIPuter Technologies



iGrid 2005 – Multi-scale Correlated Microscopy Experiment Demonstrated via OptIPuter Technologies

Active investigation of a biological specimen during UHVEM using multiple microscopies, data sources, and collaboration technologies

Collaboration Technologies and Remote Microscope Control



Light Microscopy Montage

Regions of Interest Time Lapse Movies

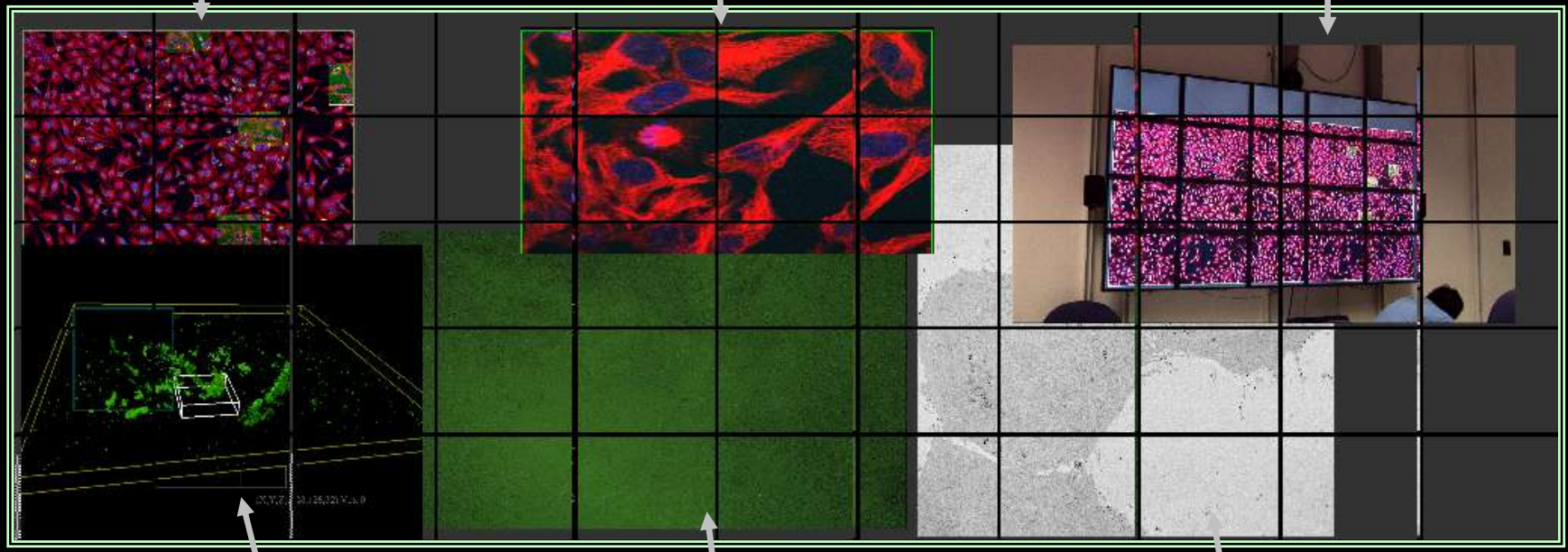
UHVEM HDTV Osaka, Japan

LambdaCam Snapshot of Calit2 cluster during iGrid 2005

JuxtaView showing ~600 megapixel montage dataset from Amsterdam

HDTV stream from a light microscope at NCMIR

HDTV camera feed shows the conference room at NCMIR

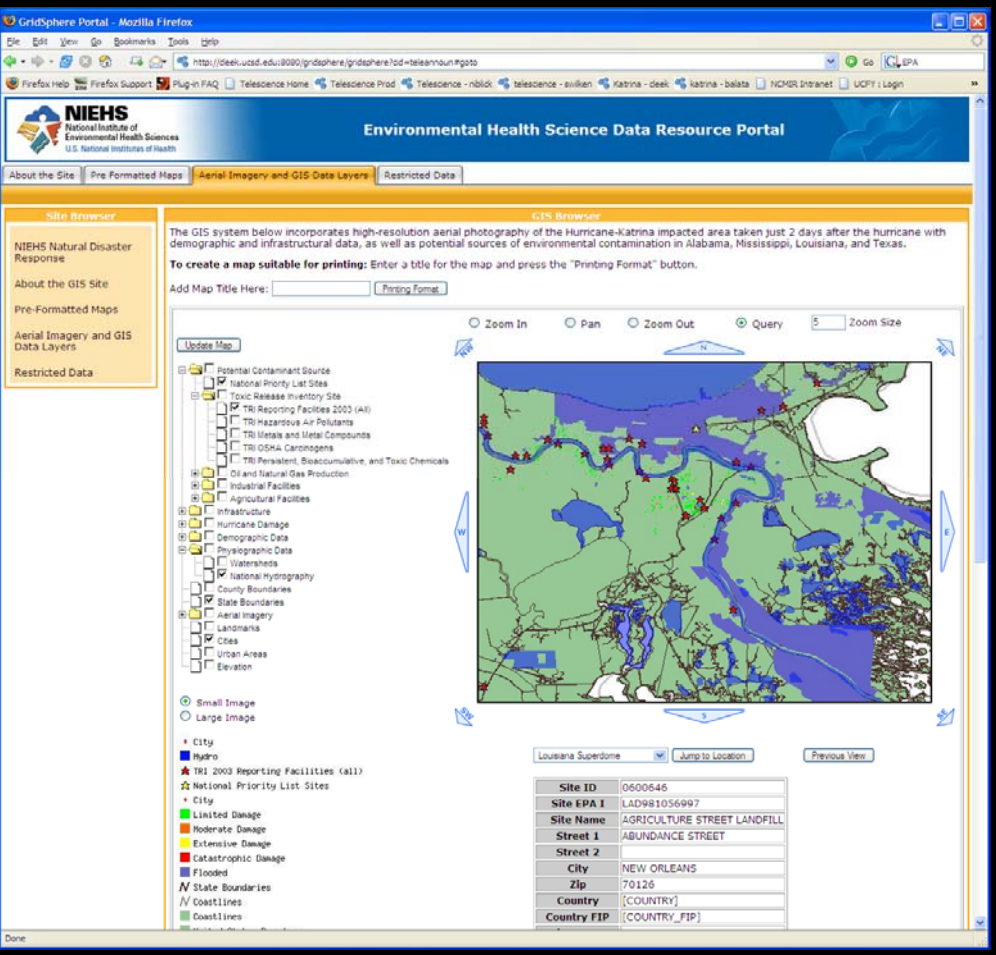


Volume rendering with Vol-a-Tile in Chicago

HDTV video stream from UHVEM in Osaka, Japan.

4K x 4K Digital images from NCMIR IVEM

Launch OptIPuter Enabled Technologies from Cyberinfrastructure Application Portals



GIS system for interactively viewing correlated toxicology info, census data, aerial/sat. imagery, etc.

Launch Images from NIEHS Katrina/Rita Response Portal to Any of the OptIPuter Tiled Displays (data hosted on OptIPuter connected resources)