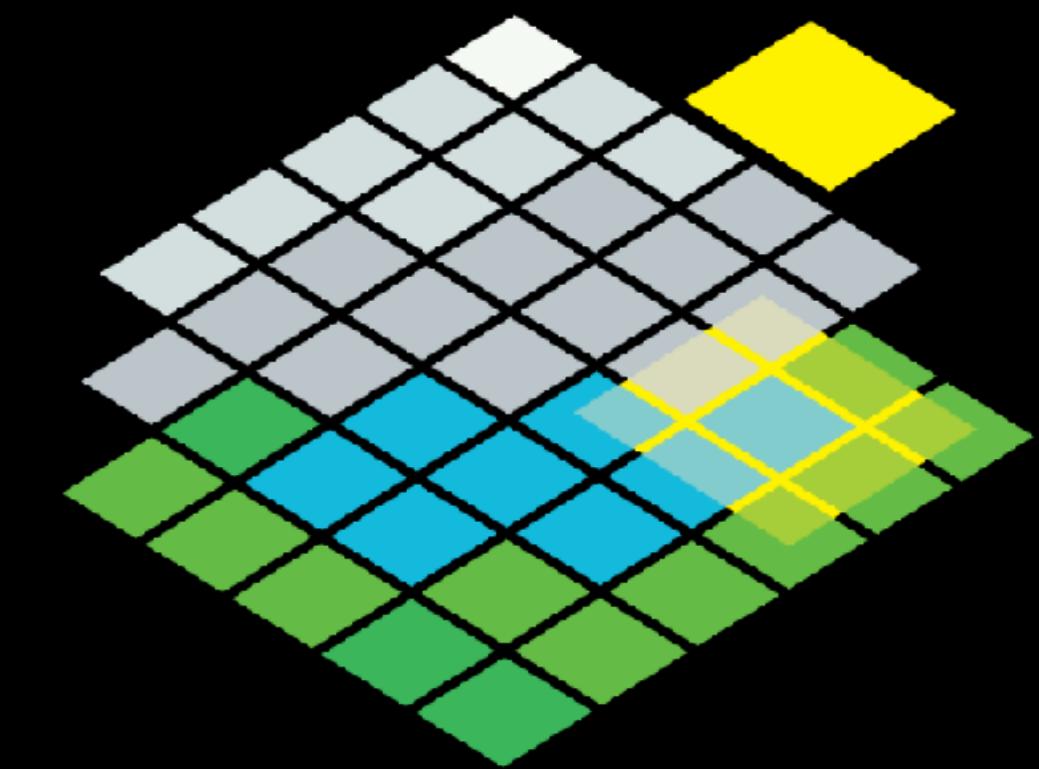
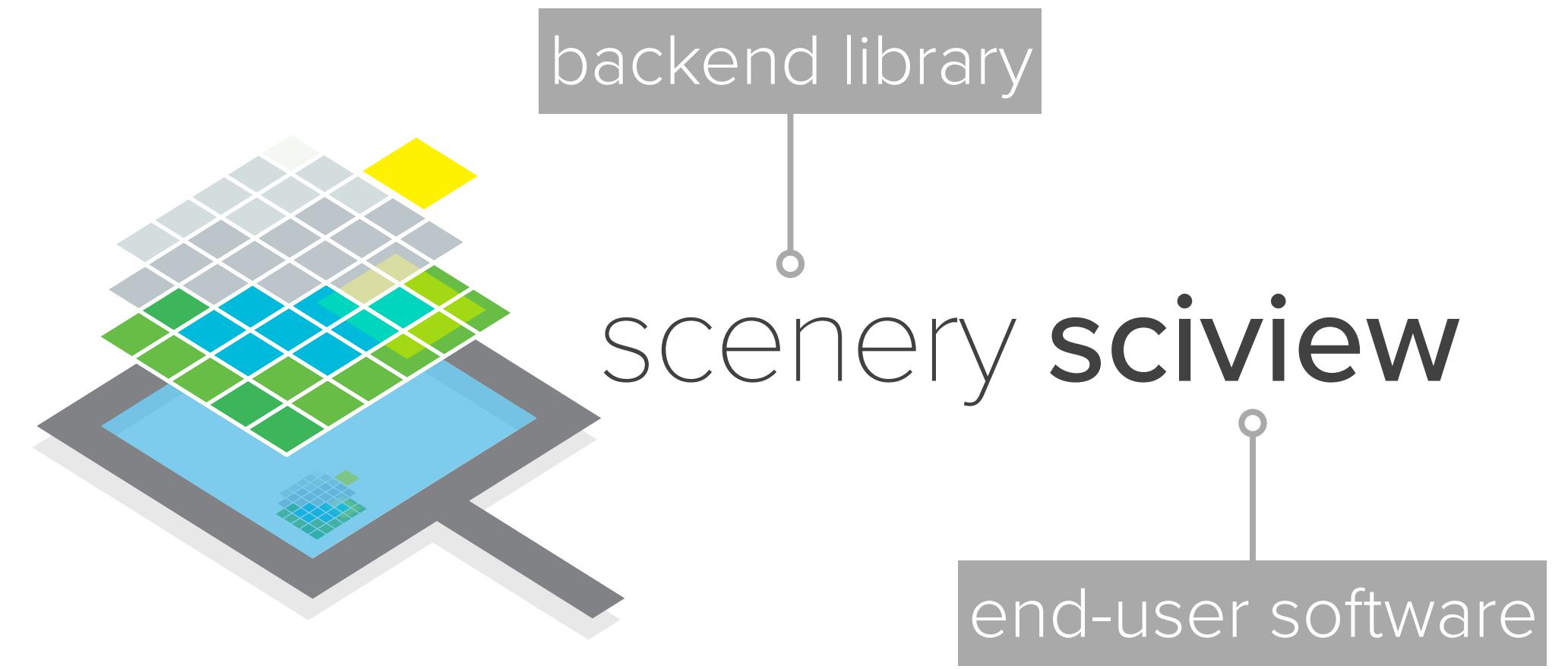


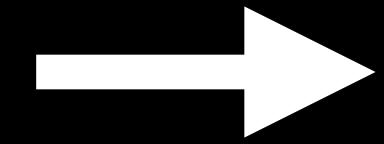
A photograph showing two people from behind, looking at a large projection of a landscape scene. The projection depicts a colorful, abstract landscape with green, yellow, and red hues, possibly a digital terrain model or a scientific visualization. A diagonal white line runs from the top-left corner to the bottom-right corner of the image.

ulrik günther, mpi-cbg & csbd
scenery & sciview intro
dais learnathon 2018





intro



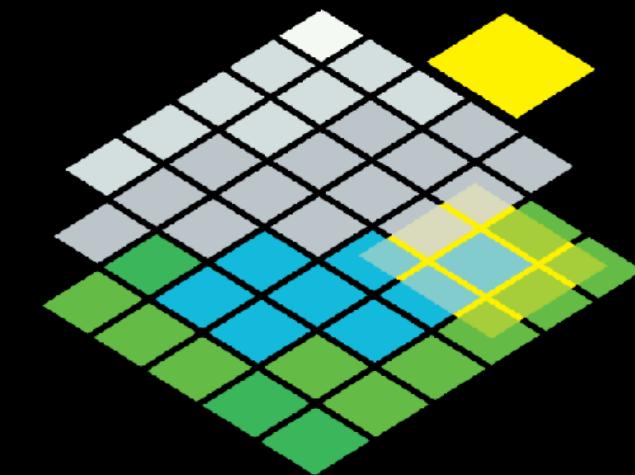
intro

rationale



realtime visualisation of LSFM data

Fiji/KNIME plugin for visualising
volumetric data



scenery

realtime visualisation of LSFM data
& interaction

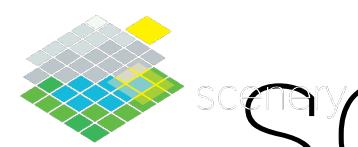
Fiji plugin (aka SciView) in
development

scenegraph-based visualisation of
volumetric *and* geometric data

tech

intro





behind the scenes

flexible renderer architecture — currently with OpenGL and Vulkan renderers, configurable, e.g. to switch between Forward and Deferred Rendering on the fly

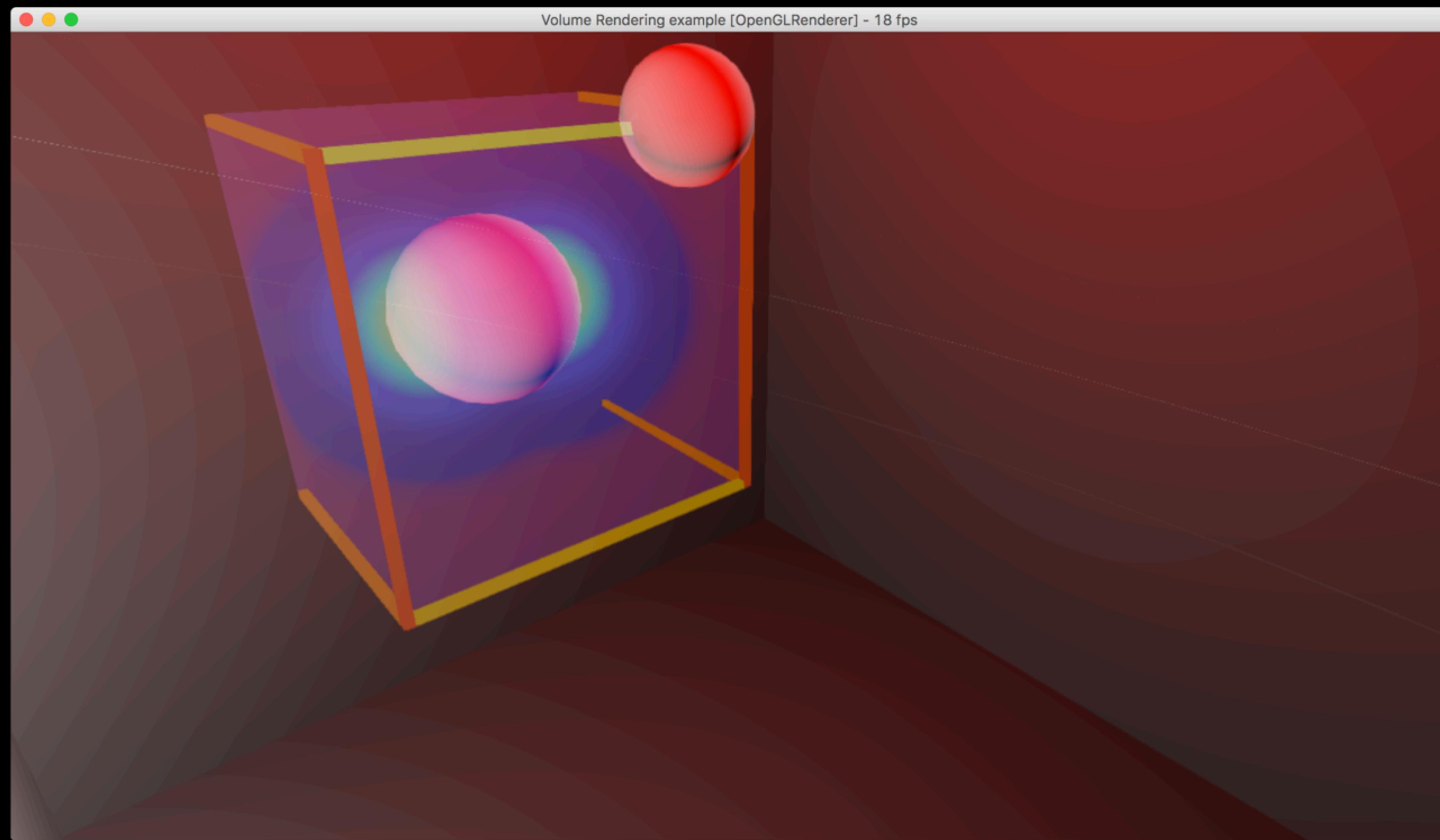
unified interface for VRPN* input devices — think gloves, joysticks, ...

support for head-mounted VR goggles

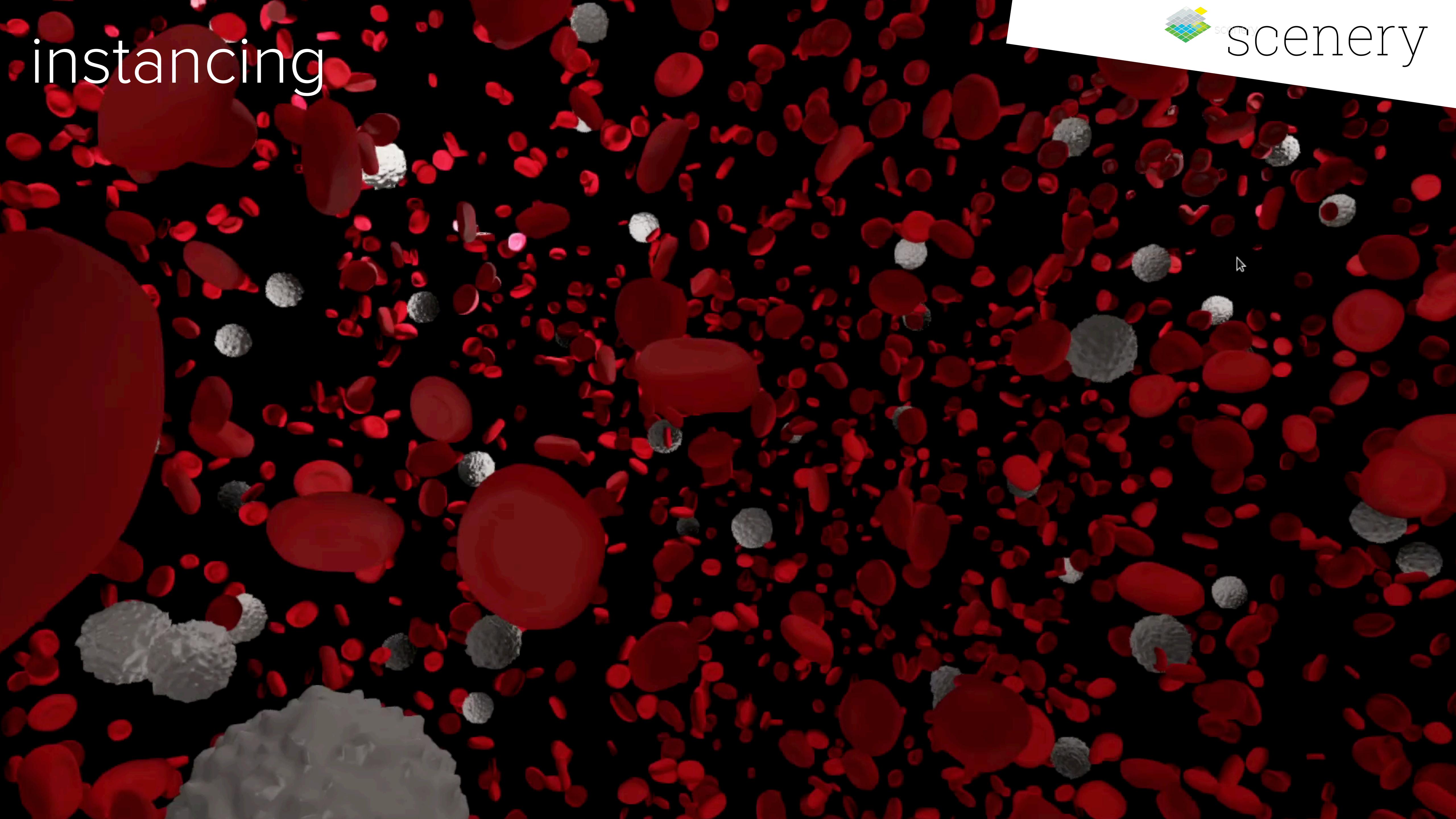
support for CAVE systems

network-aware for clustering or use over networks

volumes & geometry

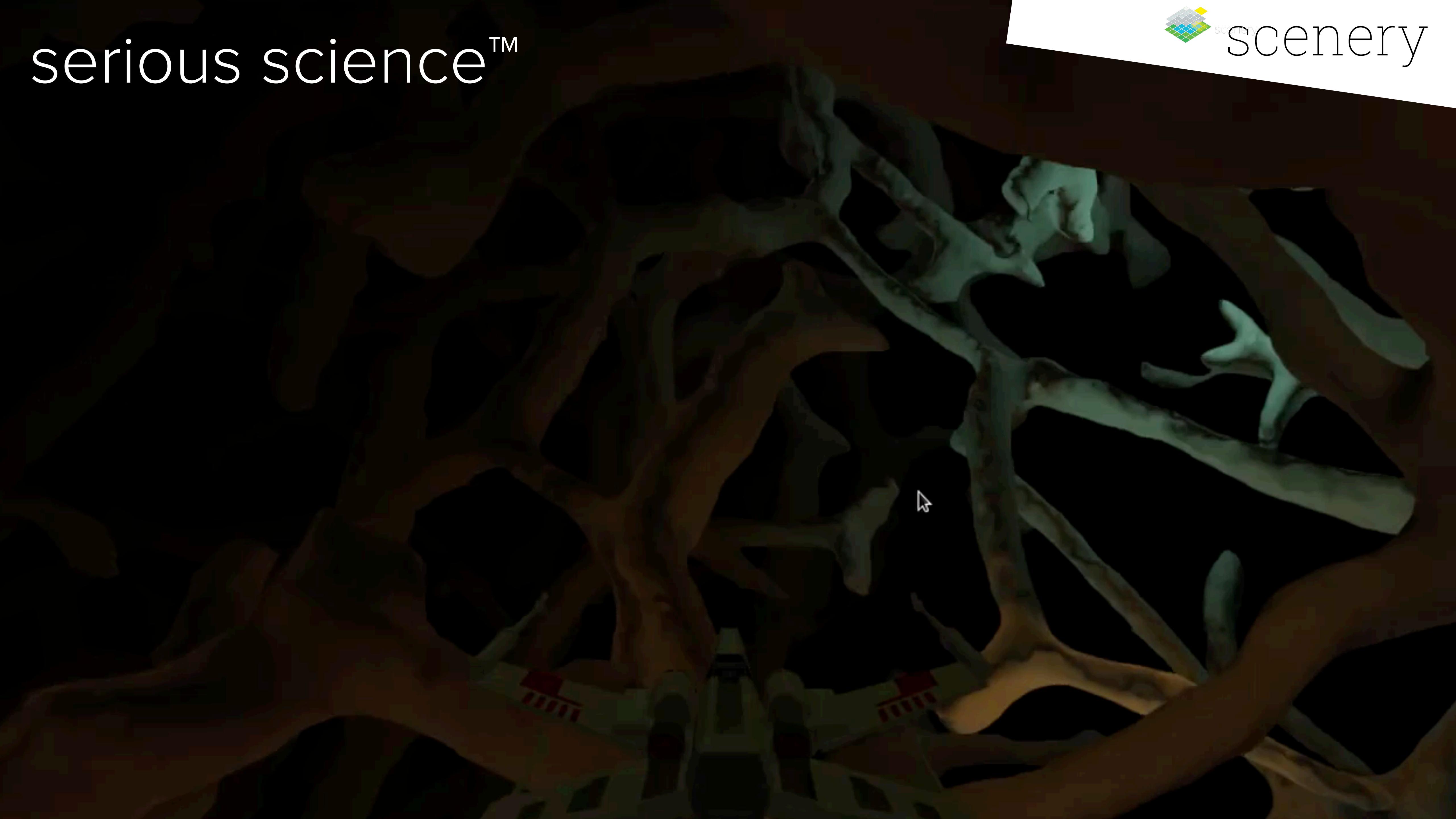


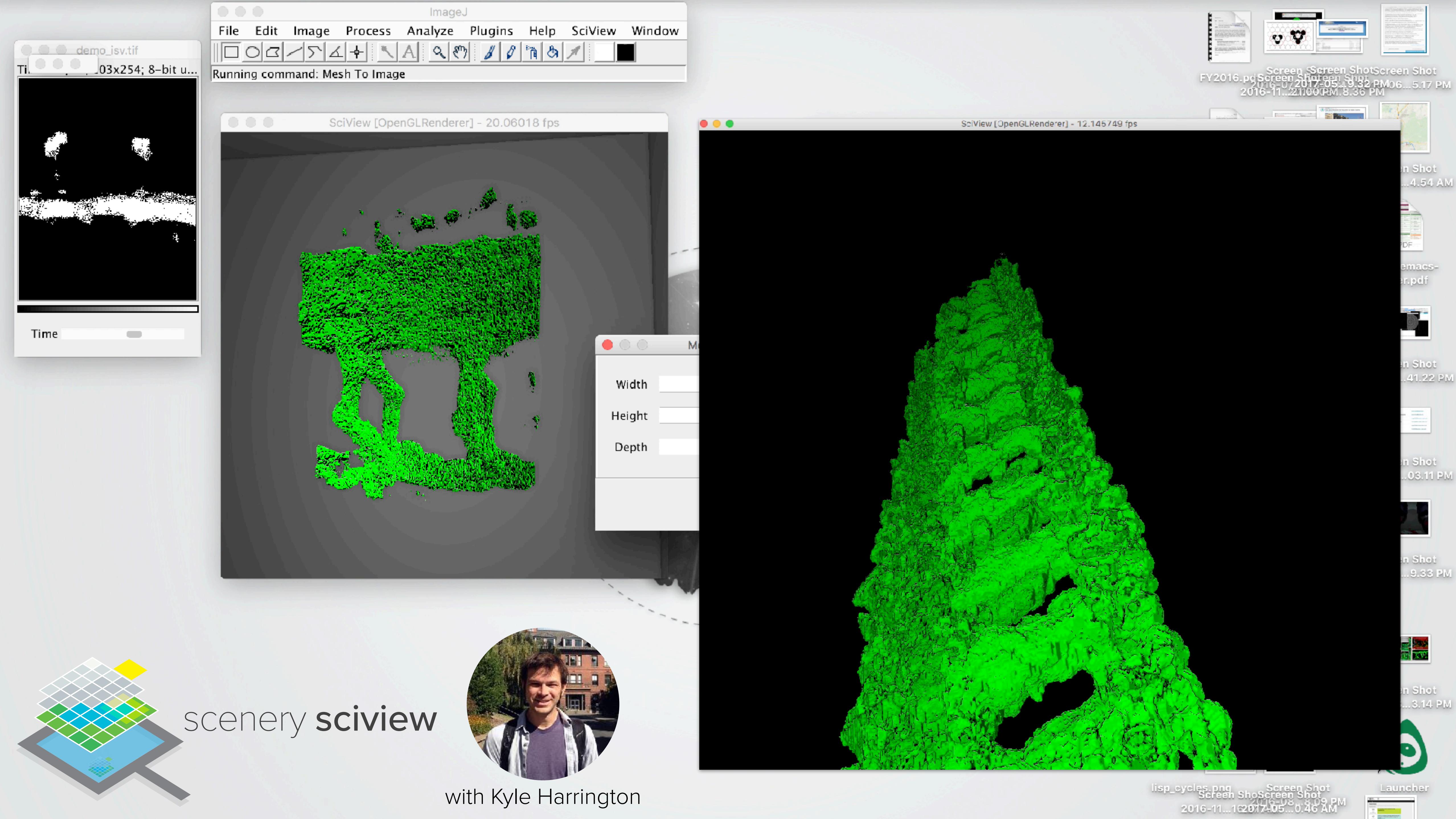
instancing



serious science™

scenery







HERE BE DRAGONS!

WELL, NOT REALLY. WE WERE JUST
TOO LAZY TO LIST THE HAZARDS, AND
THIS IS MORE ACCURATE THAN NOTHING AT ALL

let's get our hands dirty



Pull the lever Kronk!

please clone <https://github.com/skalarproduktbaum/sciview-tutorial.git>