

Google Earth

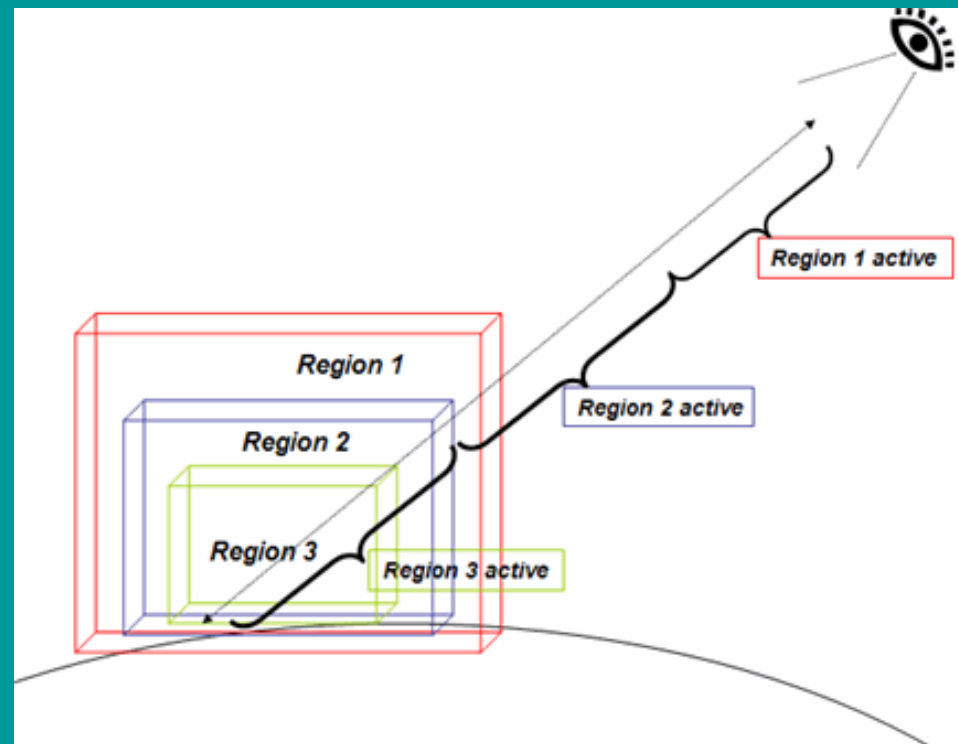
- This may be a useful software tool for the ALOS KC program.
- Version 4 released in 2006 with improved user interface
- Google encourages non-commercial applications with open standards and documentation.

Why use Google Earth?

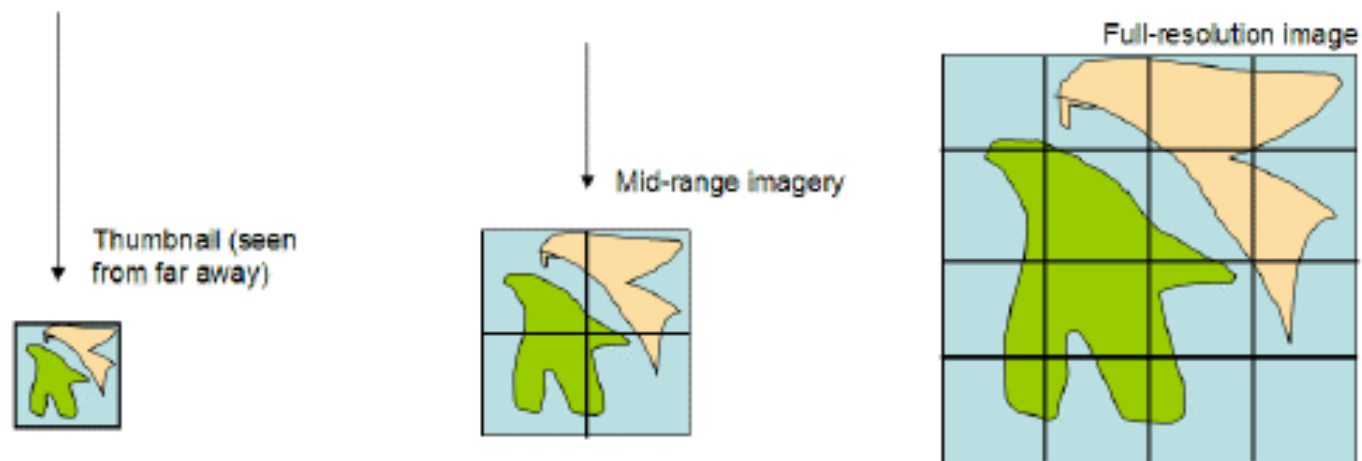
- Free software access to millions of dollars worth of high resolution optical imagery
- One can (somewhat) easily render ALOS imagery (or any imagery) into Google Earth
- Projects data to the SRTM DEM for 3D visualizations
- Interesting community input feature. Could be used by the ALOS KC science team to catalog field sites.
- Could be used for validation of products, and as an interface for data distribution.
- Public outreach potential and educational value are high
- It is not-bug free, and has some shortcomings, but all the same is a revolutionary product.
 - Just as the web browser changed how we view and share information on the internet. GE is changing how we view and share imagery of the Earth

On Using Google Earth

- Two Examples
 - ‘Digital Globe’ example included with Google Earth version 4
 - Tiles (shapefiles) are overlain on GE imagery
 - Possible to select coverage by year and cloud cover
 - ScanSAR mosaic just discussed
 - Required sub-setting and decimating imagery data
 - Generating kml files describing each image subset
- This could be an excellent platform to
 - Monitor acquisition strategy
 - Distribute data to the ALOS science team
 - Provide public outreach
 - Validate products



STEP 2: Resample each tile to 256-by-256 so that we have different levels of detail



Google Earth Demo

(download GE 4 first)

http://southport.jpl.nasa.gov/test/ALOS_test.htm