**WG5: 3D Scientific Visualization (Terrain Mapping)  
Resource Lists -- Template for Scribes**

**Software used by the small group participants:**

1. ArcGIS
2. VISTAS, ENVISTAS
3. **Google Maps**
4. **Fusion –** LiDAR

**Tools and resources that participants know about (websites, etc.)**

1. **ViSiT,** [**https://wci.llnl.gov/simulation/computer-codes/visit**](https://wci.llnl.gov/simulation/computer-codes/visit) **eg., Climate Visualization at** [**https://wci.llnl.gov/simulation/computer-codes/visit/gallery**](https://wci.llnl.gov/simulation/computer-codes/visit/gallery)
2. **Mission-driven data visualization,** By GCN Staff, Aug 19, 2015. nine use cases…. <http://gcn.com/articles/2015/08/19/mission-data-visualization.aspx>
3. VTK – Visualization Toolkit
4. Python Tools: SciPy, VisPy, GlumPy

**Data sources used (NASA, DEMs, etc.)**

1. USGS National Elevation Dataset (NED) digital elevation models (DEMs) <http://nationalmap.gov/elevation.html>. New: [3D Elevation Program (3DEP)](http://nationalmap.gov/3DEP/index.html)
2. [**EarthCube Brings Big Data Sets to Diverse Researchers**](http://earthzine.org/2013/02/06/earthcube-brings-big-data-sets-to-diverse-researchers/)**,** 
   1. [EarthCube: Developing a Framework to Create and Manage Knowledge in the Geosciences](http://www.earthzine.org/2012/02/01/earthcube-developing-a-framework-to-create-and-manage-knowledge-in-the-geosciences/)
   2. [EarthCube: Helping Scientists Share What They Know](http://www.earthzine.org/2012/12/12/earthcube-helping-scientists-share-what-they-know/)
3. NASA MODIS satellite imagery data