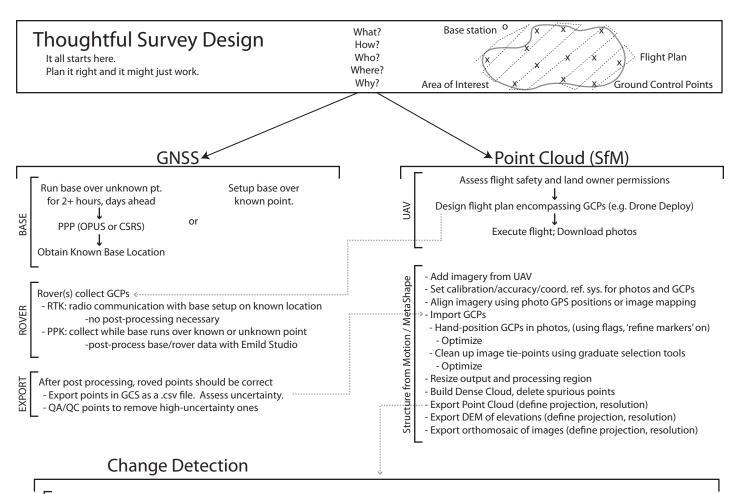
## **UAV/GNSS-Based Change Detection Workflow**

v0 - Ben Crosby, Idaho State University



- Import two or more overlapping .laz point clouds of topography. Assess alignment

- Align clouds. Be thoughtful about selecting which is your reference cloud

- Align clouds. Be -Compare clouds: - Cloud-to-Clou - M3C2: returns - Visualize change

- Cloud-to-Cloud: returns a vertical offset between the two surfaces. Good for planar change.
- M3C2: returns a surface-normal offset between the two surfaces. Good for change on many aspects/walls/overhangs.
- Visualize change. Adjust the color ramp to the range of most change.
- Save change clouds, export to MetaShape or GIS to grid into a raster