

## Compare accuracy between 2- and 3-view Triangulation

- Load your three point-clouds into cloud compare (CC). The file with your two-view triangulation, three-view triangulation and points\_agisoft.txt (truth data).
- For your own triangulated points, we should now make a simple outlier rejection using an inbuilt tool in CC.
  - Simply just mark the 2-view point cloud in the left pane and go to Tools->Clean->SOR filter and use the standard parameters and press ok.
- Repeat the process for the 3-view point cloud.
- You should now mark the ground truth points from points\_agisoft.txt and the 2-view triangulation points with outliers rejected (designated as .clean – below the original source)
- With both sources marked go to Tools->Distance->Cloud/Cloud Dist. This calculates a mean error distance and std. deviation and is shown in the console window.
- Repeat this process with the agisoft points and 3-view triangulation points and compute the cloud distances.
- The results should indicate a higher accuracy for 3-view triangulation

