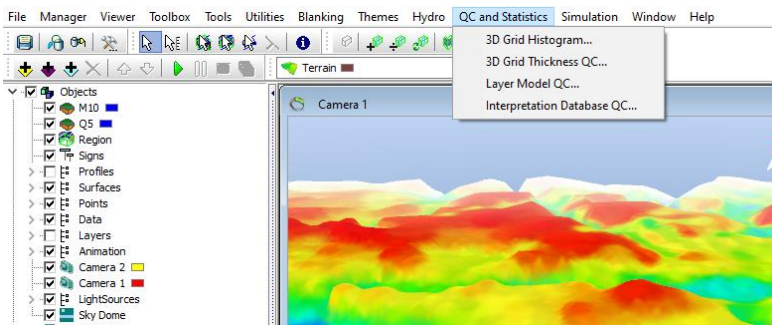


October 08, 2020

QC and statistics package

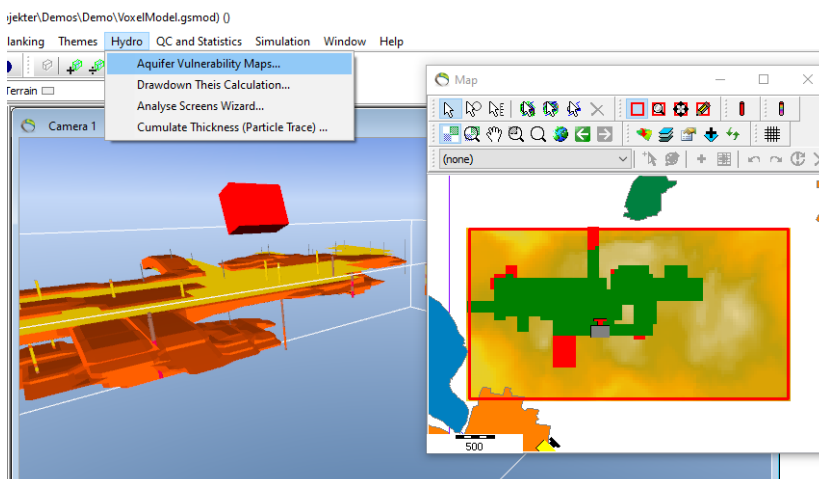
Three new features useful for quality control of geological models is now released. These can be used on layered models as well as lithology and resistivity voxel models. They can also be used to perform quick analyses of data before the modeling process is started. The new tools are found in the “QC and Statistics” menu. The previously released “*Interpretation Database QC*” is used to check interpretation points consistency.



- “*3D Grid Histogram*” shows selected statistics for a voxel model.
- “*3D Grid Thickness QC*” calculates the cumulated thickness in a voxel at each voxel position for an interval of resistivities or for a group of lithologies. The calculation can be constrained between two surfaces, to check the consistency between a layer and the voxel values. It can also be used to generate an isopach map from a lithology voxel model.
- “*Layer Model QC*” analyzes values of wells (lithologies) and 1D models (resistivities) between layer surfaces. Hence the consistency between the data and the resultant model can be checked.

New Features

- “*Aquifer Vulnerability Maps*”: A new theme in the “Hydro” menu, where maps showing potential vulnerable areas can be produced. The output consists of two themes: A red/green grid on a map showing if aquifers are protected by overlying aquitards, and a grid showing the cumulated thickness of protective layers.



Improvements

- Top plot has been improved by
 - adding automatic refresh when showing data and changing settings.
 - fixing minor bugs.

Bug fixes

- Clone map has been fixed.
- Shading on solid layer in 3D is now working properly.