www.terrasolid.com

TerraModeler
New Features

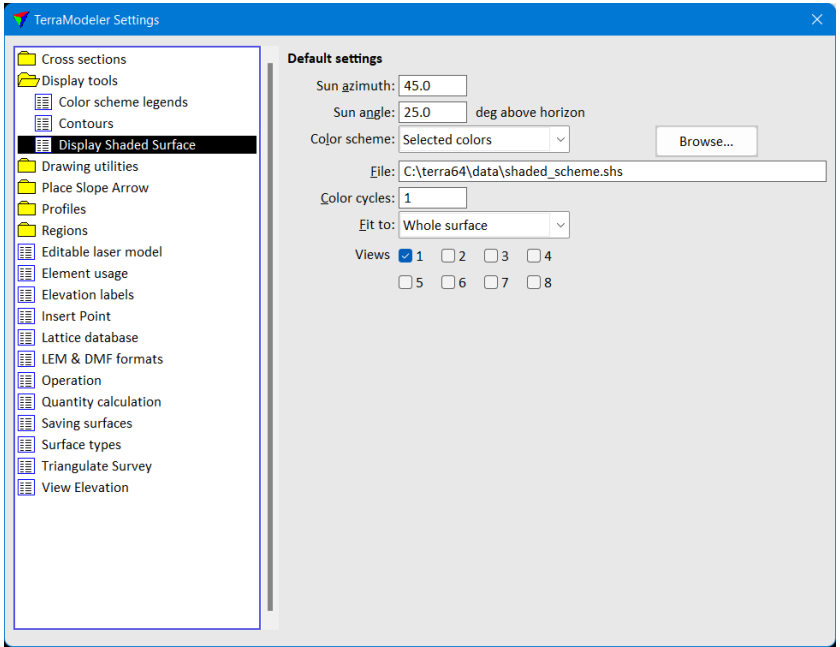
Arttu Soininen 13.09.2023

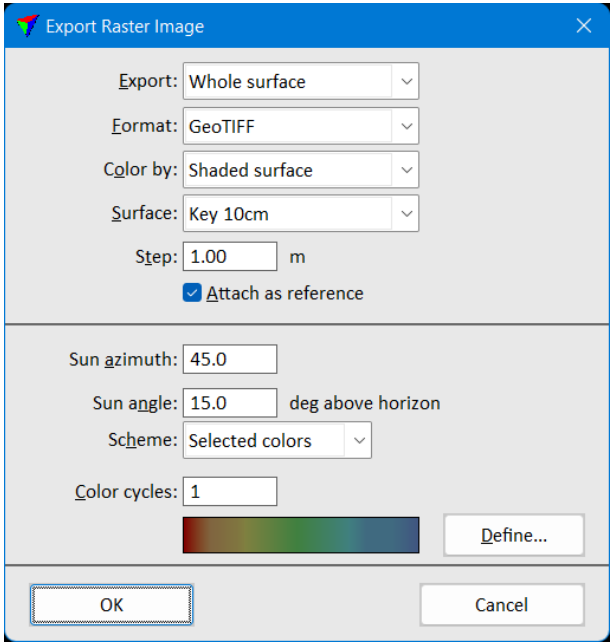
Setup: Public Function Header Files

- Setup installs two C header files as documentation for public functions:
  - \terra64\include\model_functions.h – public function prototypes
  - \terra64\include\model_types.h – data types used

Shaded Surface Improvements

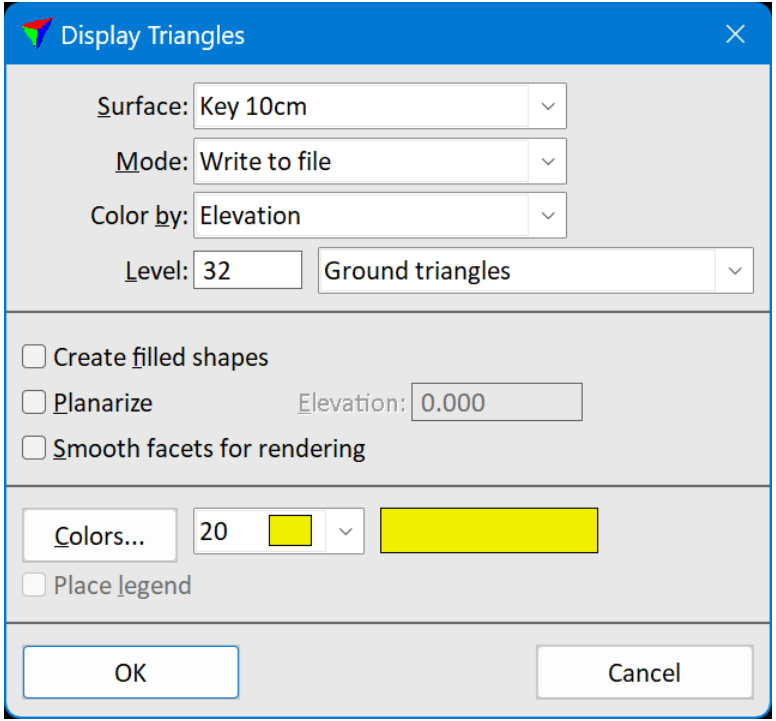
- **Model Settings** has default scheme choice for **Display Shaded Surface**
  - Hot to cold
  - Earth tones
  - Selected colors
- **File / Export / Raster image** supports same scheme choices





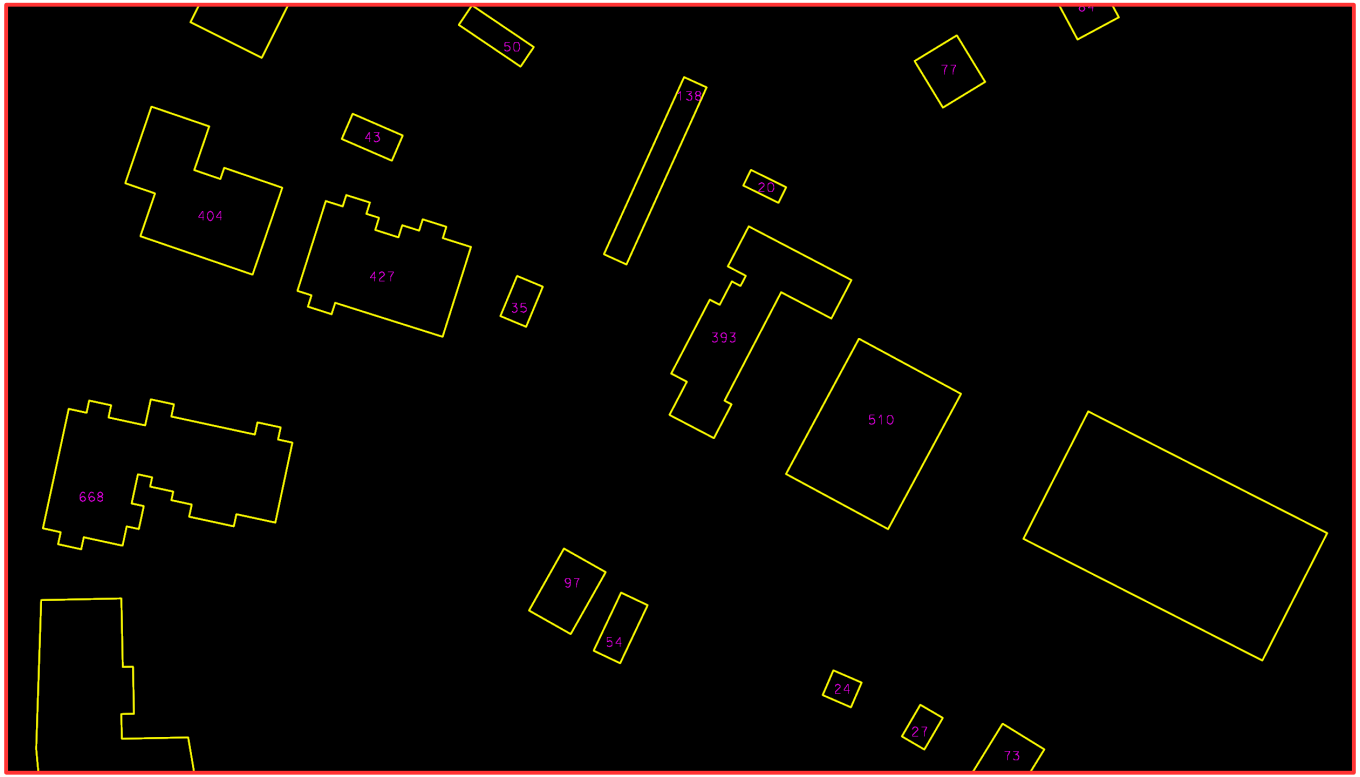
Level Dropdown List

- **Display Triangles**, **Display Grid**, **Display Elevation Texts** and **Display Slopes** let user select level from a dropdown list in addition to level number

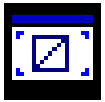


Label Area & Multiple Selected Polygons

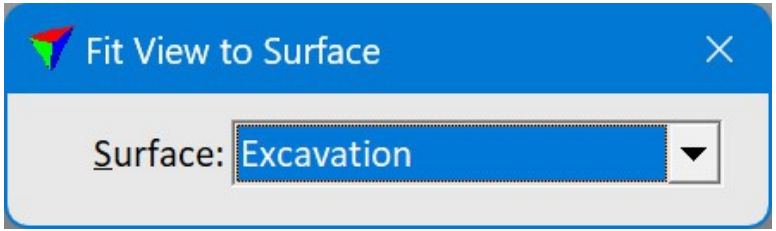
- **Label Area** tool can label multiple selected polygons as one operation



Fit View to Surface

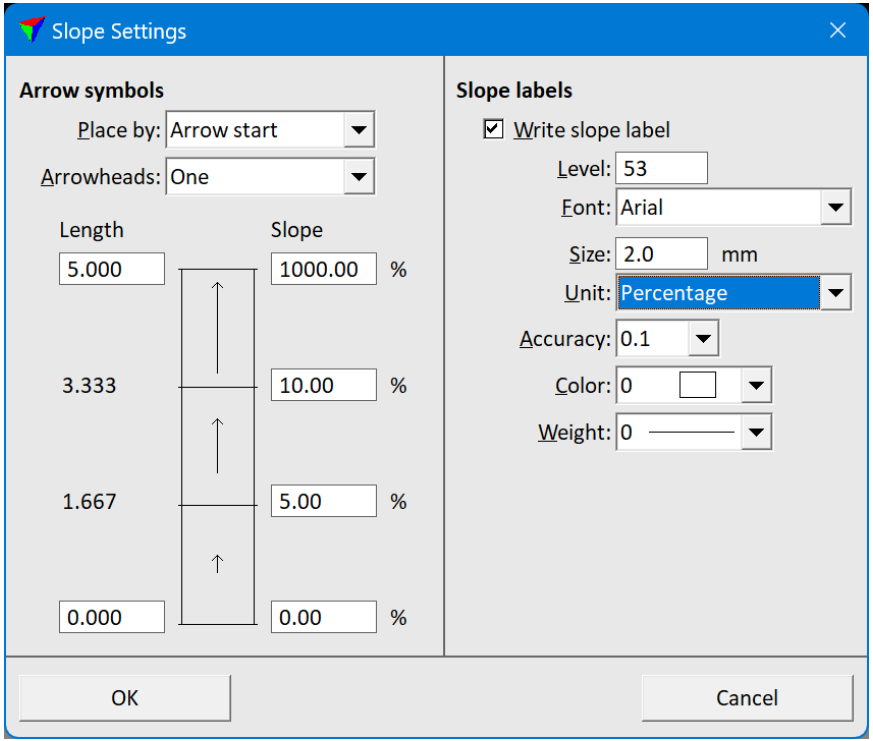


- Fits a view window to show the area of a selected TIN model



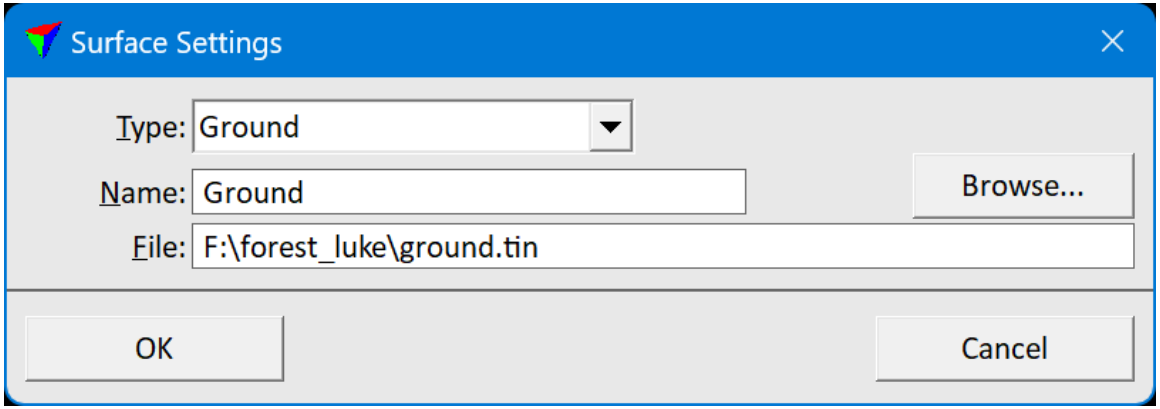
Display Slope Arrows & Place Slope Arrow

- User can now choose label unit: **Percentage** or **Degree**



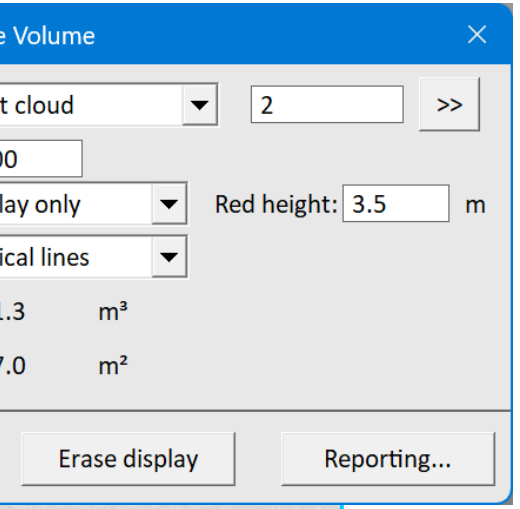
Save TIN Models to Any Folder

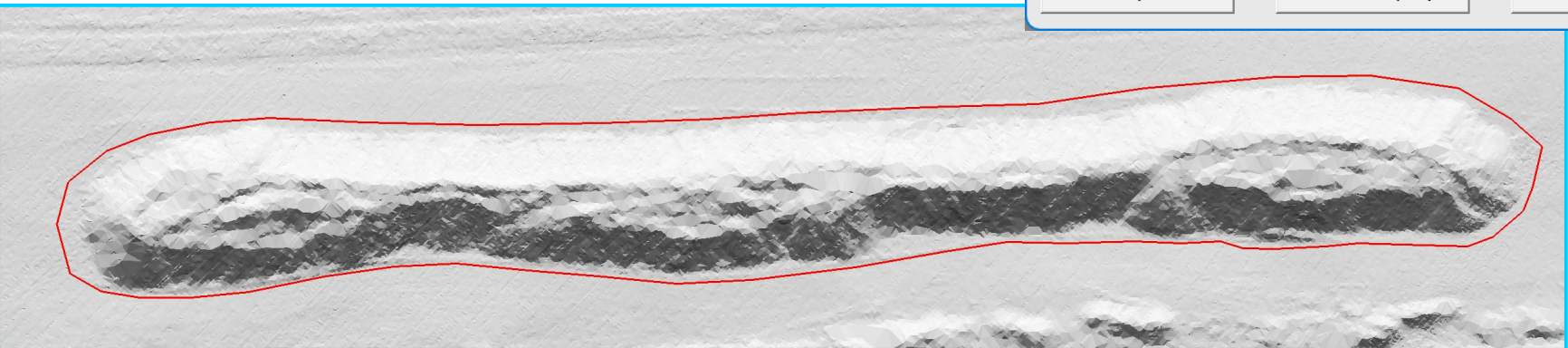
- **Surface Settings** dialog lets you specify both folder and file name
- If no folder given, software saves surface to same folder where vector file is
- If folder is given, software saves surface to that folder



Compute Stockpile Volume

- Simple tool for computing stockpile volume directly from point cloud
- Can compute volume withour user creating any TIN surfaces
- Requirements:
  - Point cloud
  - 2D polygon drawn around the stockpile





Compute Multiple Surface Volume

Terra solid
POINT CLOUD INTELLIGENCE

- Tool for computing volumes between multiple surfaces
- One surface can be **Target** type – limits area and depth computed