

March 13, 2023

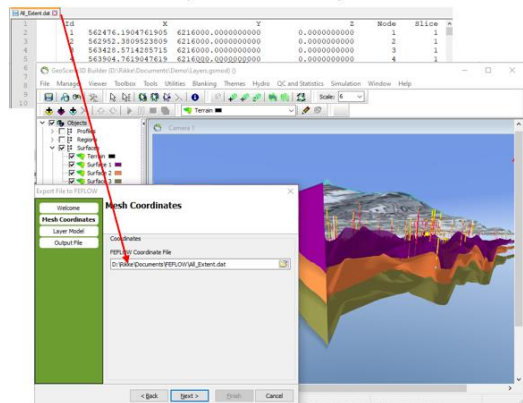
FEFLOW integration

The 3D layer model geometry can now be exported and used in FEFLOW.

The mesh points in FEFLOW are exported to a file. The coordinates from this file is used in GeoScene3D to sample values from a number of surfaces defining a 3D layer model. The resultant file is used to get the geometry of the layer model in to FEFLOW. The feature is found in the hydro menu and requires a layer builder license.

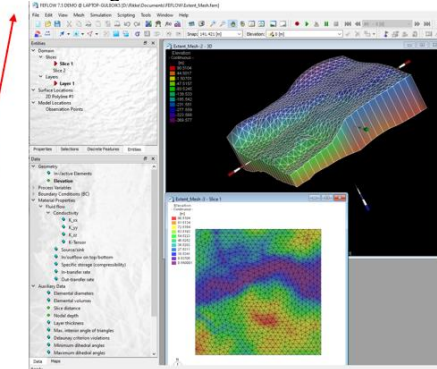
GeoScene3D

Use mesh coordinates file and get a new file with Z-coordinates sampled from 3D layer model



FEFLOW

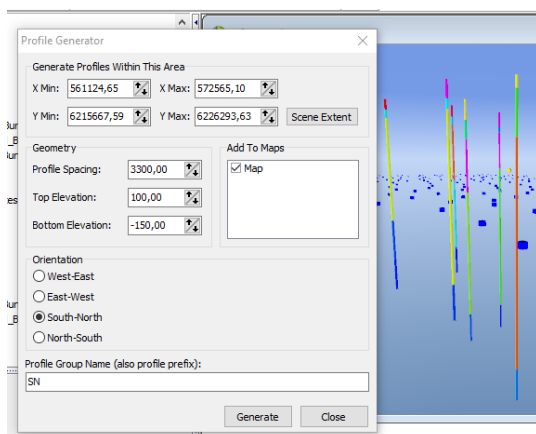
Import the new mesh coordinate file to do hydro-modelling



Id	X	Y	Z	Node	Slice	EINIT	EINIT_U	DIRIMS
1	562476.1904761905	6216000.0000000000	76.3385620117	1	1	0.000000		0.000000
2	562952.3809523809	6216000.0000000000	74.8237075806	2	1	0.000000		0.000000
3	563428.5714285715	6216000.0000000000	71.1060028076	3	1	0.000000		0.000000
4	563904.7619047619	6216000.0000000000	69.2875061035	4	1	0.000000		0.000000
5	564380.9523809524	6216000.0000000000	68.4066162109	5	1	0.000000		0.000000
6	564857.1428571428	6216000.0000000000	49.9785537720	6	1	0.000000		0.000000
7	565333.3333333334	6216000.0000000000	46.7951431274	7	1	0.000000		0.000000
8	565809.5238095238	6216000.0000000000	44.3311309814	8	1	0.000000		0.000000

Improvements

- The integration with GeoCloud and the new published settings and new user roles has been improved.
- Profile group generation has been made more flexible. Now four directions can be chosen.



Bug fixes

- 1D models download from GeoCloud has been improved and a bug has been fixed.
- A bug where the SI wizard sometimes did not close has been fixed.
- XYZ points added to the map as dataset color scale bug has been fixed.
- A combination of settings for 3D grids, made the 3D grid not visible. This has been fixed.