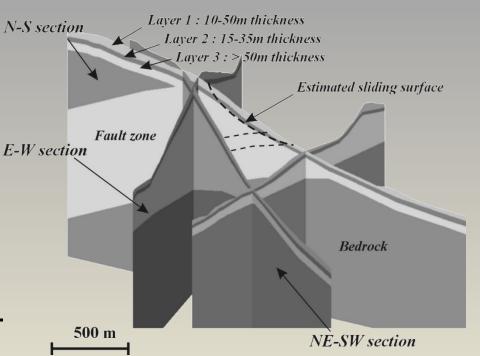
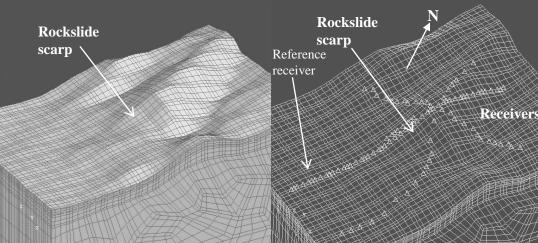
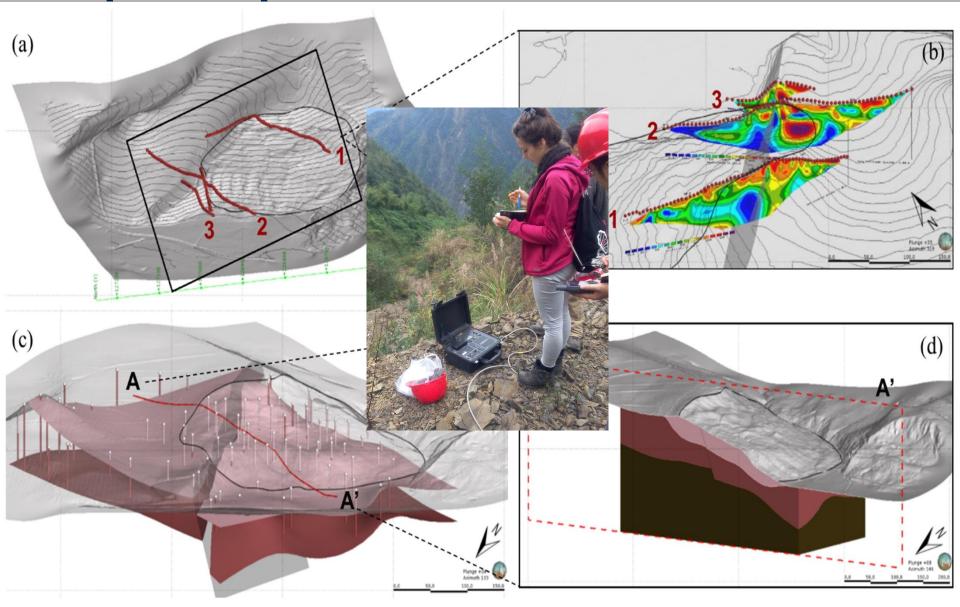
- 2D FE-SE models based on sections across the Ananevo site.
- 3D SE model for central part of site.





| | Layer | Vs (m/s) | Qs | Ed (Pa) | ν | Density |
|---|---------------|----------|-----|----------|------|---------|
| | 1 | 400 | 35 | 7.78e+08 | 0.33 | 1.80 |
| | 2 | 910 | 150 | 4.29e+09 | 0.30 | 2.00 |
| S | 3 (+fault) | 2180 | 400 | 2.81e+10 | 0.28 | 2.30 |
| | Bedroc k | 3470 | 600 | 7.95e+10 | 0.25 | 2.65 |

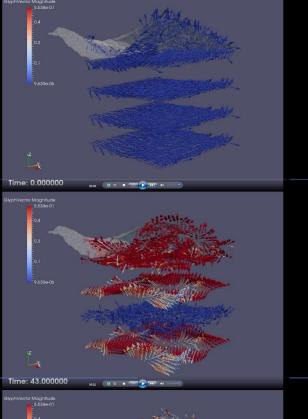
Examples of local complex expert models : required inputs : surface + subsurface

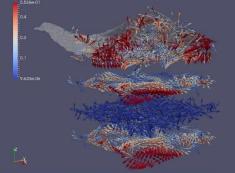


The Minkush area: overview The surface of the FLAC3D model

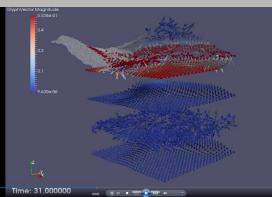
Specifications of the 3D model:

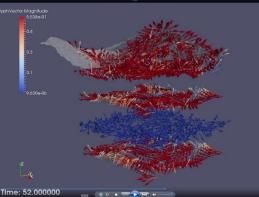
- Horizontal dimensions: 2.0 x 2.0 km;
- Mean height: 1.8 km;
- Quadratic FD-zones (15 m) in the inner part of model;
- The surface is restored based on SPOT DEM;
- Degraded brick-shape FD-zones fully reproduce the original smoothness of surface.

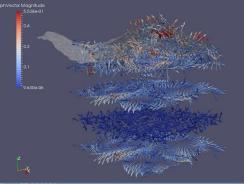




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