Country update

Austria

Clemens Porpaczy
OVERVIEW 3D MODELLING AT THE AUSTRIAN SURVEY

Geomodelling Group:
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3D Models of basin regions for shallow and deep geothermal projects
- Project based geomodelling via national and EU-funded programs (GeoERA Horizon 2020, EU-Interreg-Programs)

3D Models of alpine regions and dissemination activities since ~2015/2016
- Direct funding for 3D modelling from superior ministry. Therefore, partly shifting from modelling for a specific, applied geoscientific project purpose to modelling as a geological exercise in its own right (3D geological mapping, model dissemination)
SURVEY 3D MODELS SO FAR...

extents of finalized models  extents of models in progress
For more information, see Poster “3D AUSTRIA“

www.geologie.ac.at
DISSEMINATION ACTIVITIES

3D Print, laser-engraving

3D Web viewer (summer 2016)

3D Exhibition (fall 2016)
MODELLING OUTSIDE THE GEOLOGICAL SURVEY

Applied model from hydropower project in Turkey → (iC Consulenten): recording of injections (consolidation and curtain grouting) in versioned cloud-based model environment (Leapfrog)

Subway line model of Vienna, 5x v.e.

Kieffer et.al., 2019