Country Update Germany
State Geological Surveys

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Task Force 3D-Models (AK 3D-Modelle)
of the German State Geological Surveys
Unchanged:
the German situation of
3D geological modelling

• 15 State Geological Surveys
  having a regional mandate rather than an overarching
• 2 Federal Institutes
  having
  - an areal mandate for federal territory and an overarching mandate for specific “remits” or
  - no areal mandate but lots of (geophysical) data
Major projects in 3D geological modelling

Cross-border “knitting” within 2018 – 2021 GeoERA geo-energy projects:

• North German Basin
  geoera.eu/projects/3dgeo-eu/
• Molasse Basin
  geoera.eu/projects/hotlime/
At this meeting 4 examples from contrasting geological settings / applications

- Obst (Thu. 16:45)
- Wangenheim (poster)
- Steuer (Thu. 11:30)
- Görne (Thu. 11:15)
Present priorities:

• **Organizing 3D model data**
  → e.g. @LfU: *Pamer* (Thu. 9:00)

• **Making data FAIR**
  - coherent discovery metadata profiles for 3D geo-models
  → *Diepolder* (Thu. 9:45)
  - coherent “quality” protocols for 3D geo-models

• **BIM** (BI re-use in 3D geo-modelling, e.g. foundations & subsurface constructions affecting groundwater regime)
  (?) **GIM** (bidirectional data transmission from “mine data” to geology)
  ?? **Digital twins** (hard to implement with geology inherent uncertainty)