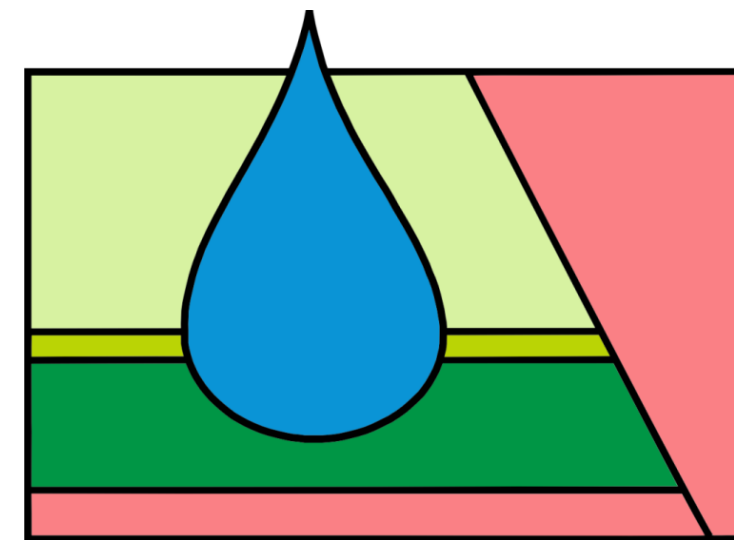




Europäische Union. Europäischer
Fonds für regionale Entwicklung.
Evropská unie. Evropský fond pro
regionální rozvoj.



ResiBil



Ahoj sousede. Hallo Nachbar.
Interreg V A / 2014 – 2020

Integrating Geological Mapping in the Saxon-Czech Border Region

-New Results from the Border-crossing EU Project RESIBIL-

Ottomar Krentz¹, Štěpánka Mrázová², Bedřich Mlčoch², Axel Rommel¹

¹ Saxon State Office for Environment, Agriculture and Geology (LfULG), Freiberg, Germany

² Czech Geological Survey (CGS), Prague, Czech Republic

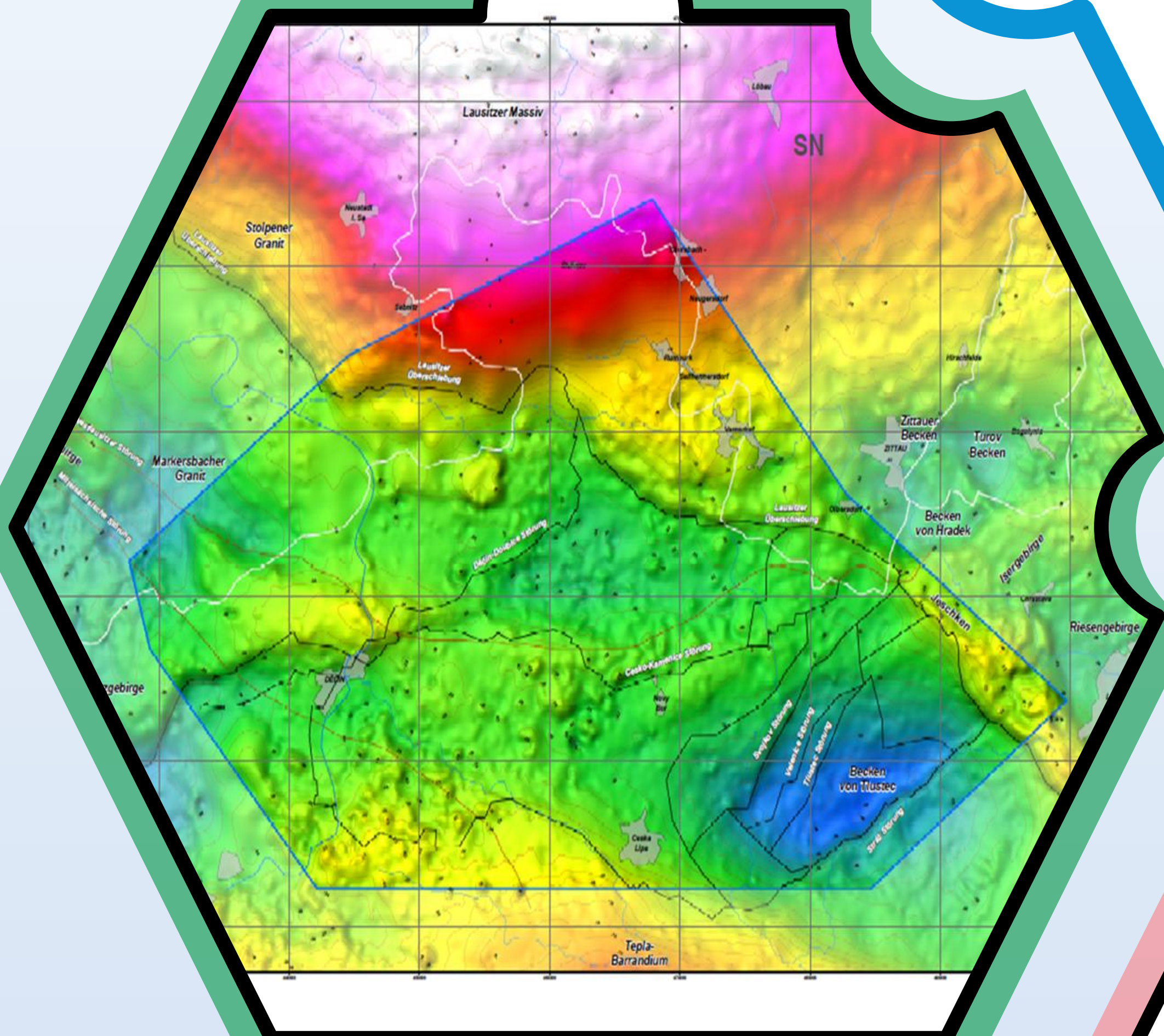
Project duration

07/2016

06/2020

Gravimetric Map

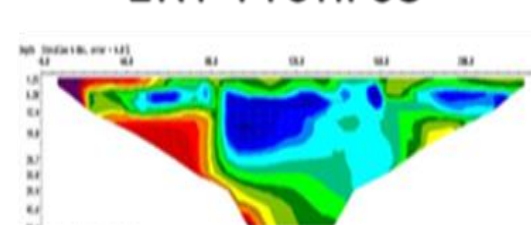
- transborder Bouguer gravity anomaly map (density 2.3 g/cm³)
- detection of geological features and fault systems
- delimitation of geological units such as Eger Graben, Elblinament, Lusatian Massif, Zittau Basin



EU program

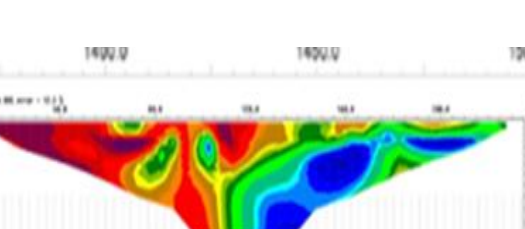
INTERREG V A
2014 – 2020

ERT-Profil 05

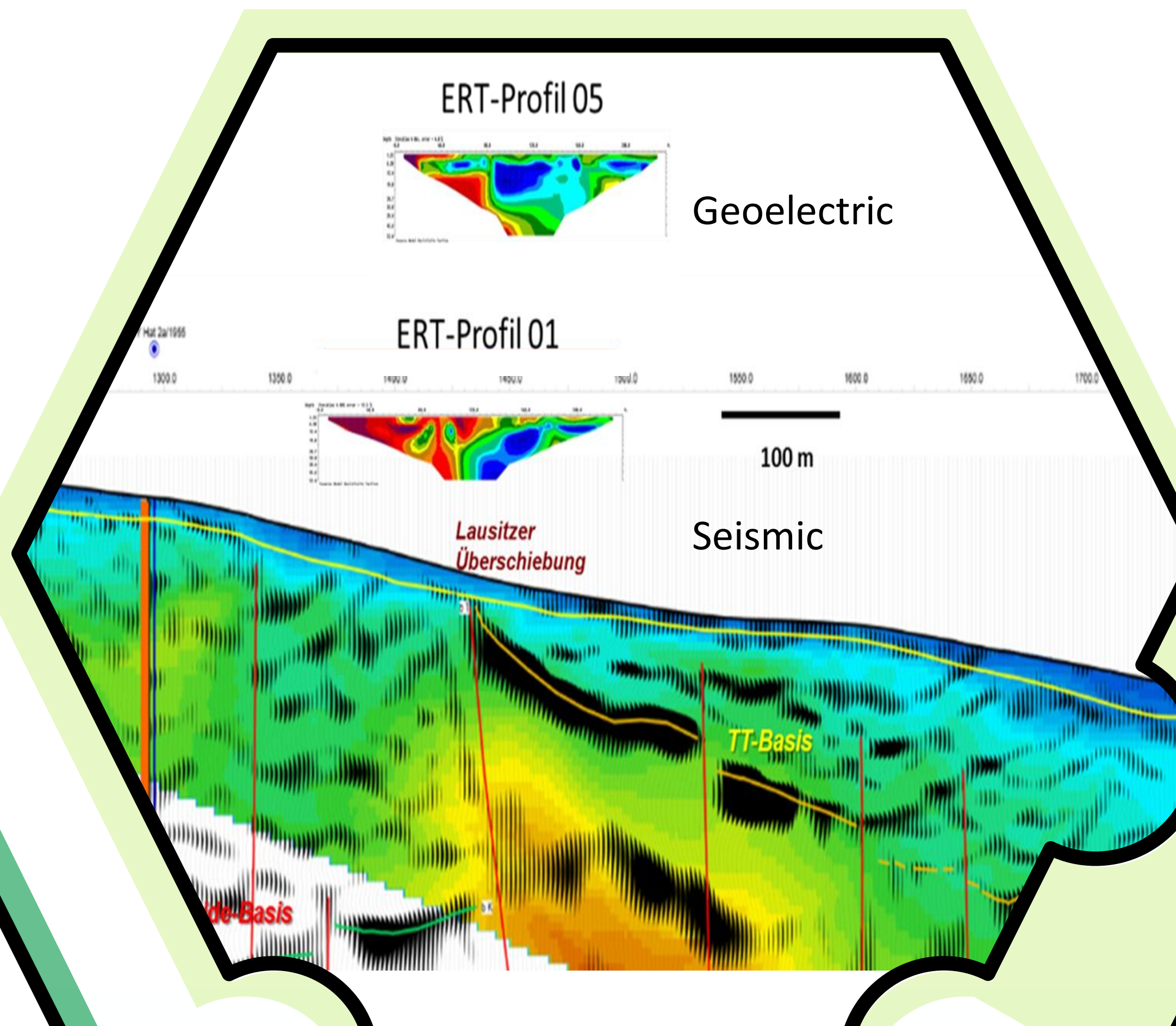


Goelectric

ERT-Profil 01

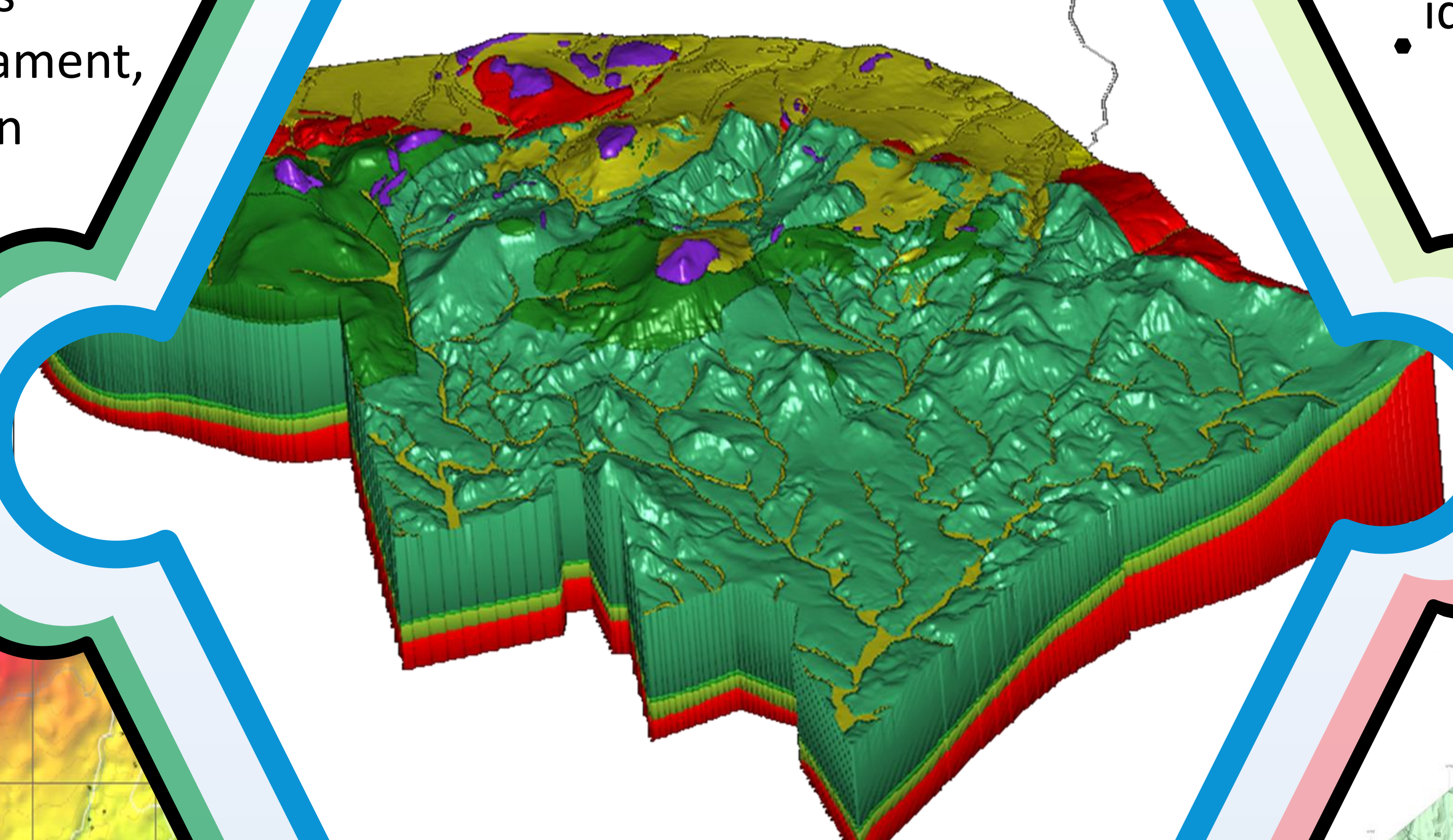


Seismic



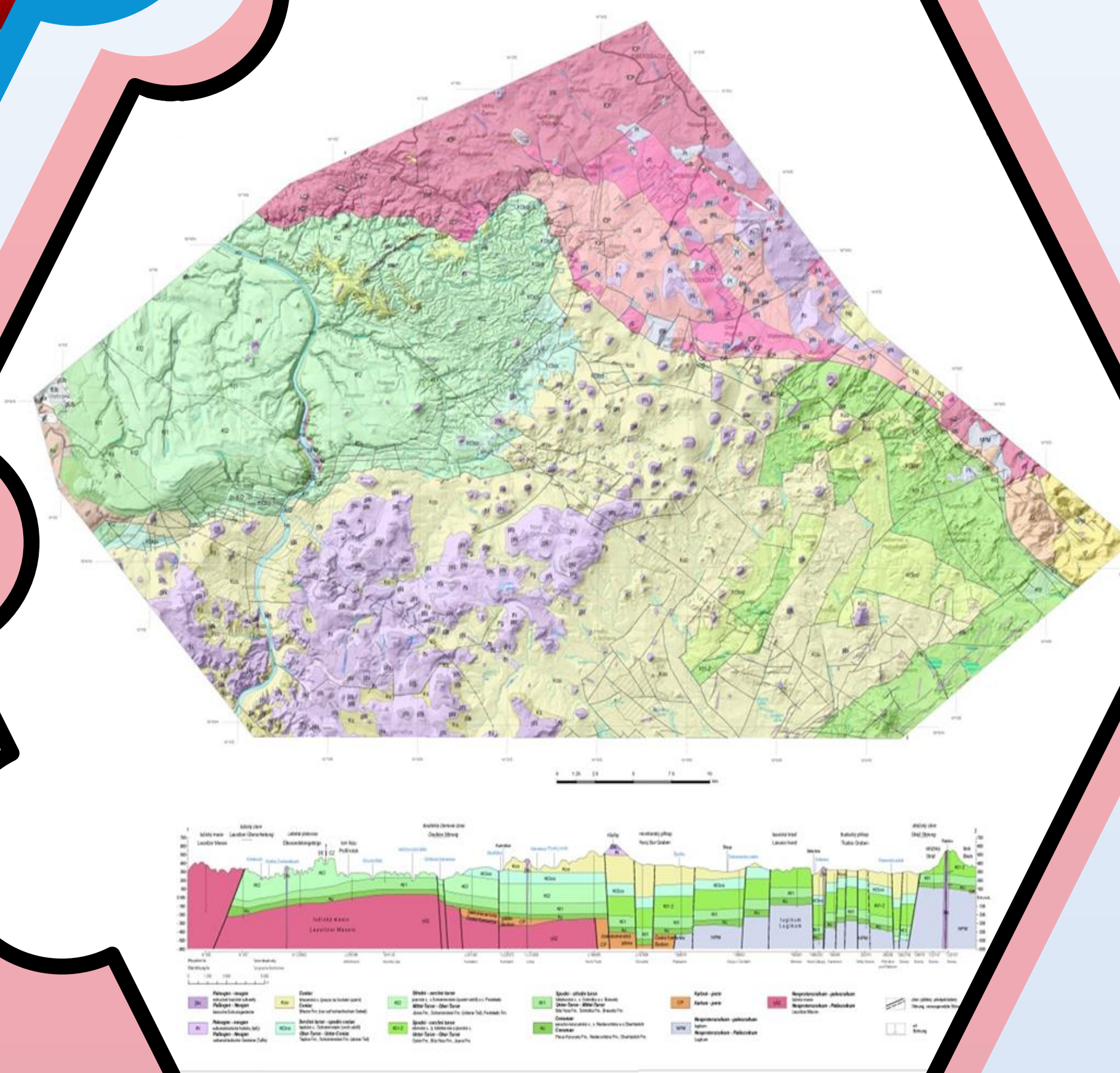
Seismics and Goelectrics

- seismic and goelectric measurements to investigate local geological situations
- proof of existing fault systems in pilot areas
- identification of the cretaceous and tertiary sediments base
- determination of hydro-geological conditions



Geological Map

- development of a common transborder legend from different stratigraphic systems
- geological map of the Saxon-Bohemian cretaceous basin (scale 1:100.000)
- generation of a pre-cretaceous overview map
- creation of a 3D-model



www.resibil.sachsen.de