

Inventory and utilisation orientated analysis of the underground geothermal potential in the Freestate of Saxony and neighbouring territories

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Objective: Preparation of a geothermal Atlas for the evaluation of geothermal resources in the depth zone 500-5000 m below surface.

Location: Saxony/ Germany

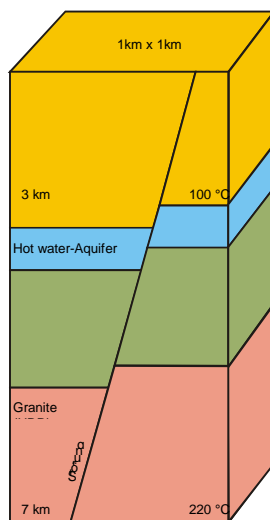
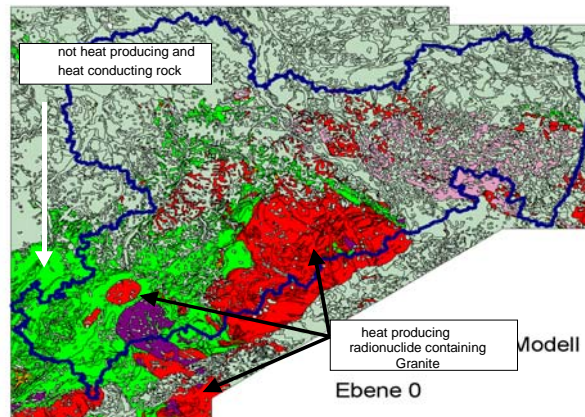
Client: Sächsisches Landesamt für Umwelt und Geologie

Beneficiary: Land Sachsen

Year: 2004-2005

Initial Situation:

Within the scope of the project a GIS-based geothermal atlas of the Freestate of Saxony and its neighbouring territories has to be established allowing an characterisation of geothermal resources. This is based on the evaluation of data from boreholes in the depth zone from 500 to 5000 m as well as geophysical and hydro-geological data.



Project services:

- Data collection and processing
- Geological, hydro-geological and hydro-chemical characterisation of geological structures
- Evaluation of medical, mineral and thermal water resources
- Elaboration of a geological model of Saxony for the depth zone 500 - 5000 m under consideration of geophysical data
- Elaboration of a geothermal model of Saxony
- Elaboration of a geothermal atlas for different depth zones