

L75 16020 - 16024

SUMMARY

The project contains various scientific studies for characterization and monitoring of deep geothermal reservoirs. Five research institutions conducted six geoscientific and one conceptual study for an increased presence of geothermal topics in social media. Many tasks were completed. The highlights of the working packages are as follows:

- AP1: Conceptual evolutionary model for increasing responsible usage of science platforms and social media
- AP2: Advancement of an automated, mini-array-specific and high sensitivity location routine for very weak earthquakes in the central Upper Rhine Graben
- AP3: First documentation of a more complex, at least two-phase, Neogene deformation history
- AP4: Documentation of the advantages of probabilistic approaches and the relative location of induced seismicity in geothermal reservoirs
- AP5: Generation of a first reliable data set for kinetic calculations of fluid-rock reactions under simulated geothermal reservoir conditions
- AP6: The borehole simulator can consider now the simulation of chemical reactions up to 1.000 bar and 375°C.
- AP7: Structural geological modelling of a potential reservoir for heat storage in the KIT Campus Nord area