

## **Einladung zum IKET-Kolloquium**

Zeit: Dienstag, 28. Mai 2013, 15.00 Uhr

Ort: Kolloquiumsraum des IKET, Campus Nord, Bau 419, Raum 104

Referent: Julia Scheiber, GEIE Exploitation Minière de la Chaleur, Kutzenhausen – France

Titel: Scalings in the Soultz-sous-Forêts geothermal power plant: How deposits affect the operational performance of the surface installations

### Zusammenfassung:

At the Soultz-sous-Forêts geothermal power plant (France) a three-year research program (2010-2012) was associated with a scientific and technical monitoring during geothermal exploitation. At Soultz, saline brine is produced from a granitic EGS reservoir at 160°C and 20 bars (wellhead GPK-2). The circulation of geothermal brine affects the material performance of equipment which is in direct contact with the fluid. The high salt content, 97 g/l, of the Na-Cl-Ca brine and the production of cuttings from the reservoir causes different corrosion and abrasion issues at the surface and subsurface installations of the geothermal loop. Additionally, the formation of scalings, partially related to corrosion processes, complicate proper material performance of the surface equipment, for example at the heat exchangers.

gez. T. Schulenberg

Alle auswärtigen Besucher des Kolloquiums werden gebeten, ihren gültigen Personalausweis oder Reisepass mitzubringen.