PhD Student Position: Exploration of deep geothermal reservoirs in Mexico using magnetotellurics and gravity

Specification:	The Geoenergy group of the Institute of Nuclear Waste Disposal - Karlsruhe Institute of Technology (INE-KIT) announces the opening of a PhD position in the field of geophysical exploration of deep geothermal reservoirs using gravity and magnetotelluric methods. The study is part of an EU project and includes fieldwork in Mexico as well as data processing/interpretation in a highly interdisciplinary team, thus having the unique opportunity to work closely with an international team of scientists and to significantly broaden her/his area of expertise. The team will have access to two geothermal fields and state of the art measurement equipment. The main task of the successful candidate will be the identification of potential geothermal reservoir structures with significant clay caps and high fracture porosity and by static magnetotelluric and gravity measurements. He or she will apply joint inversion techniques in 2D and work on the extension of the existing inversion code to 3D. The candidate will also be expected to communicate their research in the form of journal publications and conference attendance.
Personal qualification:	The ideal candidate should hold an MSc in geophysics. Experience in gravity, magnetotellurics and joint inversion are of advantage. Also, you will have strong experience in programming. You are fluent in English language.
Institute:	Institute of Nuclear Waste Disposal (INE)
Contract term:	up to 3 years
Starting date:	1st October 2016 or later
Application until:	25.09.2016
Contact person for technical issues:	For technical information, please contact Dr. Eva Schill (eva.schill@kit.edu)
Application:	Please send your application online, via mail or email using the reference “GEMex” directly to the technical contact person. If qualified, handicapped applicants will be preferred.
Karlsruher Institut für Technologie	07.09.2016