



Participant Profile

for the
Turkish-German Strategy Workshop 2006
TÜBİTAK Marmara Research Center,
Istanbul- Gebze Turkey
13 – 15 December 2006



International Bureau (IB)
of the Federal Ministry of
Education and Research
(BMBF)

**Expertise,
technologies and
infrastructures
available in your
institution:**

Research activities / expertise: Geothermal energy

Methods: drilling, petrophysics, modelling

Key technologies: geothermal technology (reservoir exploring, engineering, assessing, & utilisation)

Infrastructures: drill rig, petrophysical laboratory

Key publications: Legarth B., Huenges, E., Zimmermann, G. (2005)
Hydraulic fracturing in a sedimentary geothermal reservoir: Results and implications; Int.J.Rock Mechanics & Mining Sci.42, 1028–1041

Reinicke A., **Zimmermann, G., Huenges, E., Burkhardt, H. (2005)**
Estimation of hydraulic parameters after stimulation experiments in the geothermal reservoir GroßSchönebeck 3/90 (North-German Basin); Int.J.Rock Mechanics & Mining Sci.42, 1082–1087

Trautwein U., **Huenges E. (2005)** Poroelastic behaviour of physical properties in Rotliegend sandstones under uniaxial strain; Int.J.Rock Mechanics & Mining Sci.42, 924–932

Zimmermann, G., Reinicke, A., Holl, H.-G., Legarth, B., Saadat, A., Huenges, E. (2005) Well Test Analysis After Massive Waterfrac Treatments in a Sedimentary Geothermal Reservoir; Proc.World Geotherm.Congress, Antalya, Turkey, 1-5

Huenges, E., Holl, H.-G., Legarth, B., Zimmermann, G., Saadat, A., Tischner, T. (2004) The stimulation of a sedimentary geothermal reservoir in the North German basin: case study Groß Schönebeck; Z.Angew.Geol., v.2, p.24-27



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2. Past and present research collaborations

Are you familiar
with the European
Framework
Programme?

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> with Framework Programme 5 <input checked="" type="checkbox"/> with Framework Programme 6 <input type="checkbox"/> with Framework Programme 7	

EU-projects you are
involved in:
Past projects

**Programme title / contract number / title / acronym / your function
(coordinator / partner / contractor)**

Present projects

**1) FP6-2004-ENERGY-3, Proposal No 518378,
Integrated Geophysical Exploration Technologies
for Deep Fractured Geothermal Systems (I-GET)
Acronym I-GET, coordinator,
+ 3 further ENGINE, LowBin, HITI as partner**

Other international
collaborations:

Name(s) and
contact details of
potential partners:

**If you would like to suggest the participation of particular partners from the
partner country based on existing contacts or collaboration experience,
you are welcome to indicate their names and contact details below:**

3. Presentation at the Workshop

I will give a presentation at the workshop (approx. 10 min.) to present my institution, my expertise, and my collaboration interests. The contents of my presentations is summarised below (max. 1 page).

The long-term objective "Geothermal Technology" of the research is to provide a stable supplement to other seasonal variable renewable sources of energy. Research focuses on the identification of geological structures (exploration) suitable for geothermal exploitation, on the development of methods for stimulating geological formations to increase fluid productivity, and on the examination of measures for the long-term and cost-effective extraction of the energy. The programme also includes the development of process technology for the effective installation of geothermal power plants, and for monitoring the operation of all aspects of the system. While conventional energy resources continue to wane, the demand for energy increases globally. In view of an impending critical shortage of energy, the development of geothermal technologies will be an essential contribution towards a future energy source. As such geothermal technology can be seen as one of precautionary research measures.

Innovative geothermal technology, once developed, can be employed at national as well as at European and worldwide scale, and through transfer of know-how and technology will contribute to boosting economic power.

I agree with the publication of my data on the Workshop website!



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PLEASE FILL IN THIS FORM **UNTIL 22 SEPT. 2006** AND RETURN IT TO:

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