ENGINE

ENhanced Geothermal Innovative Network for Europe

http://engine.brgm.fr

Workshop

Electricity generation from Enhanced Geothermal Systems

September 14th – 16th 2006

Strasbourg, France

BACKGROUND

The workshop is organised within the framework of the BMU Geothermal Advisory Board and the EU ENGINE-project.

AIM OF THE WORKSHOP

The aim of the workshop is the exchange of experience between experts in different fields of conversion technology in order to support the electricity generation from Enhanced Geothermal Systems (EGS). Therefore following topics are covered:

- Discussion of the basics of electricity generation from EGS (i.e. thermodynamic frame conditions)
- Presentation of the state of technology from the point of view of
  - Producer of low temperature power plants
  - Operator and planner of low temperature power plants
- Identification of technical improvement potentials for the following years
- Discussion of new concepts and developments
- Analysis of technical risks and challenges
- Discussion of economic and environmental aspects
- Analysis of cost reduction potentials
- Identification of R&D necessities
- Discussion of existing experiences
- Lessons learned from existing plants
- Conclusions to be drawn

PROVISIONAL PROGRAMME

Thursday, September 14th 2006

Sessions I to II

9:00 - 10:30 a.m.
Meeting for Workpackage 5 Members

11:00 a.m. - 1:00 p.m.
Session I "Introduction and Overview"

- Opening address
- Status of geothermal electricity generation
- Low enthalpy cycles – thermodynamic constraints
- Low enthalpy cycles – power plant concepts

Lunch Break

2:00 - 3.35 p.m.
Session II
"Producer and Manufacturer of ORC-Technology"

- Presentations of
  ORMAT Technologies, USA
  Gesellschaft für Motoren und Kraftanlagen (GMK), Germany
  Turboden, Italy
  Enex, Iceland
- Discussion

Coffee Break

Session III

3:50 - 5.25 p.m.
Session III
"Producer and Manufacturer of Kalina-Technology"

- Presentations of
  - *Siemens, Germany*
  - *Exorka, Iceland*
  - *Cryostar, France*
  - *M+W Zander, Germany*
- Discussion

7:00 p.m. **Dinner**

Friday, September 15th 2006

Session IV

9:00 - 10.10 a.m.
Session IV
"Possibilities and Restrictions of Cooling Systems"

- Geothermal Binary Plants: Water or Air Cooled ?
  CRES, Greece
- Experience of Running Geothermal Power Plants under Severe Climate Conditions in Russia
  Intergeotherm JSC, Russia
- Discussion

Sessions V to VI

10:10 - 12.25 a.m.
Session V
"Running and Forthcoming ORC-Projects"

- Presentations of
  - *Altheim, Austria*
  - *Neustadt-Glewe, Germany*
  - *FirstGeoTherm, Germany*
  - *Soulz-sous-Fôrets, France*
  - *CFG, France*
- Discussion

Lunch

1:25 – 2:55 p.m.
Session VI
"Running and Forthcoming Kalina-Projects"

- Presentations of
  - *Húsavik, Iceland*
  - *Unterhaching, Germany*
- Discussion

Saturday, September 16th 2006

Site Visit Basel, Switzerland

- *8:00 a.m. Departure to Basel (Bus Trip)*
- *10:00 a.m. Site Visit*
- *12:30 a.m. Lunch*
- *2:30 p.m. Departure to Strasbourg (Bus Trip)*
- *4:00 – 5:00 p.m. Arrival at Strasbourg*

Place

Hôtel Regent Petite France
5, rue des Moulins
67000 Strasbourg
http://www.regent-hotels.com/

Registration

For registration please use online registration form at

http://conferences-engine.brgm.fr/confRegistrationFormDisplay.py/display?confId=6

Registration deadline: August 31st 2006

Contact

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