

First European Geothermal Review

Geothermal Energy for Electric Power Production



Meeting Announcement & Call for Papers

October 29 – 31, 2007

FAVORITE Parkhotel
City of Mainz, Rhineland Palatinate
Germany



Today's developments in Geothermal Energy

Energy is the motor of our economy and wealth. However, it does use up vast resources of our planet and is the predominant force behind air pollution and climate change problems. Nearly all CO₂ emissions generated today are related to the energy production and its use. In Europe (EU), since the early 1990s the environmental impact of the energy sector has continuously decreased. Significant progress has been made on the reduction in emissions of all major air pollutants, despite the fact that Europe actually continued to produce and consume more energy. Over the period 1990 to 2003 the 25 member states of the EU increased their energy consumption by almost 12%!

New, cleaner and efficient technologies are being developed and slowly introduced into the market. The contribution of renewable energies to power production in Europe increased from 15.2% in 1993 to 16.5% in 2002. However, on a worldwide scale, the contribution of renewable energies to power production dropped in the same period from 20.6% to 18.4%. This shows that a lot remains to be done. Without further renewable energy RTD it will not be feasible for developed countries to meet the internationally agreed commitments, such as those listed under the Kyoto protocol.

Within the concert of all renewable energy technologies, geothermal energy today plays only a limited role. Worldwide use of geothermal energy amounts to about 44 TWh/a of electricity generation in comparison to an estimated accessible resource base in the order of 12,000 TWh/a!

Within the EU countries geothermal energy today accounts for only about 4 TWh/a of electricity production, and this mainly from one country, Italy.

What's happening?

Only a very small fraction of the geothermal potential has been developed so far, and the growth rate continues to be very modest, less than 10% per year. And this - despite the fact - that various governments have introduced a number of financial incentives.

Is geothermal energy a "lame duck"?

Definitely NO! Power from geothermal energy has meanwhile been produced commercially for more than a century and the use of geothermal energy for domestic application goes back to well beyond 200 BC. Geothermal energy is reliable and it is clean. It can produce power 24 hours a day, all year long. It can be produced from our own soil. Wherever geothermal exploitation has been really successful, it was at the root of a thriving mining industry. The word that comes in to our mind when thinking of geothermal exploitation is "mining".

Geothermal energy is generated inside the earth and its exploitation faces the same risks and rules as for any other deep underground mining activity. Unfortunately, it appears that we still know very little about most geothermal resources and the technologies required mine that heat. Caught within the boom of the "earth surface" linked renewable energies, we sometimes seem to have forgotten these rather special aspects of geothermal energy.

Join us for discussions in our geothermal wine area...



"View over Nahe Valley" Photo: Naheland-Touristik GmbH

The purpose of this First European Geothermal Review is to have a critical look at today's developments in geothermal energy, discuss various controversial exploitation technologies & philosophies, study successful and problematic projects, see where we stand today and try to learn from each other. Specifically, we want to address risks associated with exploration, development, power distribution and maintenance.

The city of Mainz is the capital city of the Rhineland Palatinate. It is a lovely and dynamic old town surrounded by some of Germany's most famous wine areas.

We are convinced that this is an interesting combination, worthwhile to be studied more closely! We are looking forward to meeting you in our "geothermal" wine area!

The Congress Location: FAVORITE Parkhotel Mainz

The Favorite Parkhotel in Mainz is family operated, innovative luxury hotel, located in the heart of the City Park. Set on the banks of the Rhine, the hotel has excellent connections to Frankfurt Airport (30 minutes), to Mainz main railway station and to nearby motorways.



Hotel · Gastronomie · Catering

Karl-Weiser-Strabe 1, D-55131 Mainz

Tel: +49 (0)6131 80150

<http://www.favorite-mainz.de>



Meeting Topics, Abstract Submission & Registration Information

We invite you to present your latest work on geothermal exploration, development and utilization at the "First European Geothermal Review" on October 29 through 31, 2007 at the Favorite Parkhotel in Mainz.

The congress is organised by BESTEC GmbH and the VWEW Energieverlag GmbH. BESTEC is a renewable energy project company with a focus on geothermal and is presently involved in the European EGS/HFR project in Soultz and the hydrothermal project in Landau / Palatinate. VWEW Energieverlag is one of the most prominent information providers for the energy industry in Germany and increasingly also in Europe. Its portfolio includes books, magazines, online-media, conferences, and consultancy services.

Official Language: English

Translation: English - German
German - English

Abstract Deadline: April 15, 2007

Field Trip: Geothermal Project
Landau / Palatinate



Scientific Committee:

Dr. Jörg Baumgärtner, BESTEC GmbH, Germany
Dr. Roy Baria, MIL-TECH UK Ltd, UK
Terry Gandy, BESTEC Drilling GmbH, Germany
Dr. John Garnish, UK
Dr. Reinhard Jung, GGA-Institut, Germany

Meeting Topics:

- 🌀 GEOTHERMAL EXPLOITATION CONCEPTS
(Theoretical Approaches – hydrothermal, EGS, HDR and HFR projects)
- 🌀 GEOTHERMAL EXPLORATION TECHNIQUES
(Geophysics, Drilling, Well Logging...)
- 🌀 RESERVOIR IMPROVEMENT TECHNIQUES
(Procedures, Seismic Stability...)
- 🌀 PRODUCTION TECHNOLOGY
(Pumps, Geochemistry, Metallurgy...)
- 🌀 POWER PRODUCTION
(Technologies, Efficiency, Operational Experience, Direct Use...)
- 🌀 ECONOMICS & FINANCIAL INCENTIVES

To confirm your desire to present your work, please send the title of your presentation and a short abstract to:

Email: review@bestec-for-nature.com

Contact

BESTEC GmbH
Landauer Str. 28
D-76870 Kandel
Germany

Email: review@bestec-for-nature.com

Tel: +49 7275 9554 40 **Fax:** +49 7275 9554 93

We are looking forward to welcoming you in Mainz...



Cancellations

If you must cancel your registration to the First European Geothermal Review, please do so in writing (email, fax or letter). We can only accept cancellations in written form.

If you cancel your registration before August 31st, 2007 you will receive a full refund, less a 5% handling fee.

If you cancel your registration after August 31st and later than September 30th, 2007 only 50% of the registration fee can be refunded.

Sorry, cancellations received after September 30th, 2007 cannot be refunded.

Substitution(s) can be made at any time with prior approval of BESTEC.

The organizer reserves the right to modify / adapt the meeting and tour program for important reasons.

Registration Form

First European Geothermal Review

Geothermal Energy for Electric Power Production

October 29 – 31, 2007

FAVORITE Parkhotel Mainz, Rhineland Palatinate, Germany

Last Name	First Name	Title
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Badge Name		
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Company - Institution		
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Address		City
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State	Country	Postal Code
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Registration

- 2.5-Day Registration until June 30, 2007 including:** **795 €**
- 2 Nights in the FAVORITE Parkhotel from 29th to 31st of October including breakfast (incl. VAT)
Daily Lunch, Coffee Breaks and Drinks during the conference
Get-Together on the 29th of October
Field Trip to the Geothermal Project in Landau/Pfalz including Dinner on the 30th of October
- 2.5-Day Registration until September 30, 2007 including:** **895 €**
- 2 Nights in the FAVORITE Parkhotel from 29th to 31st of October including breakfast (incl. VAT)
Daily Lunch, Coffee Breaks and Drinks during the conference
Get-Together on the 29th of October
Field Trip to the Geothermal Project in Landau/Pfalz including Dinner on the 30th of October

Payment

Prepayment by one of the following methods must accompany this form.

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BESTEC GmbH

Bank Name: VR Bank Südliche Weinstraße eG
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Please fax this form to +49 7275 955493 (BESTEC GmbH)



The First European Geothermal Review...

...is kindly supported by:



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PFALZWERKE

Gute Ideen voller Energie.