



ENGINE

ENhanced Geothermal Innovative Network for Europe
<http://engine.brgm.fr>

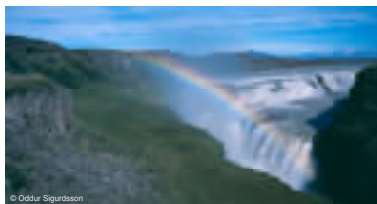
Workshop 4

Drilling cost effectiveness and feasibility of high- temperature drilling

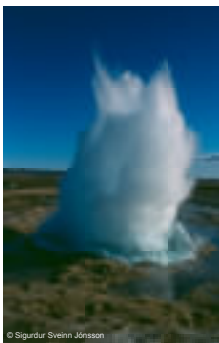
July 2 - 5, 2007
Reykjavik, Iceland



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BACKGROUND

The workshop is organised within the framework of the EU ENGINE Coordination Action.

AIM OF THE WORKSHOP

The aim of the workshop is to bring together experts to discuss drilling concepts for EGS and high-temperature systems. Ever deeper geothermal wells are projected and innovative ideas in drilling effectiveness are required. Now new highly automated rigs are manufactured in Europe and advances are made in high-temperature logging tools. This is a chance to report on the state of the art and identify gaps and opportunities for technical development.

It is intended to report these findings in the ENGINE project. This ENGINE workshop 4 is thus an important venue for presentations of state-of-the-art concepts. Workshops devoted exclusively to geothermal drilling are few and thus institutions with geothermal interests and companies are urged to attend.

The programme includes time for short “commercial” and poster presentations where companies can highlight the technology they have on offer or are developing.

PLACE

Iceland GeoSurvey, (ISOR)
Grensasvegur 9
108 Reykjavik, Iceland
Room: Vidgemplir, 1 st floor

REGISTRATION AND ABSTRACT SUBMISSION

For registration please use online registration form at:

<http://conferences-engine.brgm.fr/conferenceDisplay.py?confId=5>

Registration deadline:

June 15, 2007

Abstract submission deadline:

June 10, 2007

CONTACT

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PRELIMINARY PROGRAMME

Monday, July 2, 2007 - Session I:

Case histories of EGS and high-temperature drilling

9:00-13:00

- J. Baumgärtner (Bestec): Drilling EGS wells at Soulz
- W. Brandt (GFZ): Drilling at Groß Schönebeck
- S. Thorhallsson (ISOR): Drilling plans of the Iceland Deep Drilling Project (IDDP)
- M. Monterrosa (LaGeo): Geothermal drilling experiences in El Salvador

Poster presentation
Discussion

13:00 - 14:00 Lunch

14:00 - 18:00 - Session II:

Innovative technology and drilling effectiveness

- E. Huenges (GFZ): GFZInnovaRig
- Th. Gíslason (Iceland Drilling Company): Geothermal drilling with modern highly automated rigs - a drilling contractor's perspective
- Á. Gunnarsson (Iceland Geothermal Engineering): Lineshaft pumps for geothermal wells
- S. Berli (Foralith): Efficient drilling and the utilization of hydraulic hammer
- K. Ingason (VGK-Hönnun): Relative cost of drilling directional vs. vertical for normal and large diameter wells

Poster presentation
Discussion

20:00 Dinner

Tuesday, July 3, 2007 - Session III:

Well design and cementing

9:00-13:00

- A. Sperber (IDEAS): Casing program
- M. Matthíasson (VGK-Hönnun): Iceland Deep Drilling Project (IDDP) casing design for extremely high temperatures
- W. Brandt (GFZ): Top-down cementing of geothermal wells
- S. Birgisson (Iceland Drilling Company): Cementing of geothermal wells in Iceland

Poster presentation
Discussion

13:00 - 14:00 Lunch

14:00 - 18:00 - Session IV:

Reservoir assessment, stimulation, testing and logging

- M. Monterrosa (LaGeo): Reservoir engineering in two geothermal fields in El Salvador
- Z. Sarmiento (FEDCO): Experiences in the Philippines
- T. Kohl (Geowatt): The PT borehole simulator HEX-B
- T. Schulte (GFZ): Conventional logging
- R. Ásmundsson (ISOR): High temperature logging

Poster presentation
Discussion

Wednesday, July 4, 2007

Field trip

9:00 - 18:00

- Visit to the a new geothermal power plant and drill site at Hellisheidi and the Golden Circle Tour.
- Power plant, Hellisheidi
 - Geothermal area, Geysir
 - Gullfoss waterfall
 - National Park, Thingvellir

Thursday, July 5, 2007

Optional field trip

7:30 - 22:00

Optional day-trip by plane to the North of Iceland to visit a Kalina power plant at Húsavík and the Mývatn area known for its striking geology, birdlife and abundant geothermal activity.

Please notice this field trip is optional and at participant expense. Total price: 24.000 ISK (approx. 270 €). The cost include: Flight , airport tax, transportation and guide from ISOR on tour from Akureyri, lunch at Lake Mývatn.

*Information and booking at the webpage:
<http://conferences-engine.brgm.fr/conferenceTimeTable.py?confId=5>*

Flight seats cannot be guaranteed after June 1st. After that date they are on a request basis.