

## GEOELEC National Promotional Seminars

Hungary: Friday November 15<sup>th</sup> 2013 at the Danubius Hotel Flamenco, Budapest.

### 1. PARTICIPANTS

Participants of the Hungarian Promotional Seminar were from all different target groups, representatives from example companies are listed in Table 1. The participants reached a number of 44. The event was advertised through EGED newsletter and mails, a Hungarian web-site of Mannvit and further almost 100 participants were invited personally to the event. Registered participants to the event were 41 plus the 7 presenters, some of the registered participants did not arrive in the end and further unregistered participants came and registered at the beginning of the event. Actual participants were nevertheless less than half of the invitees. The event was primarily held in Hungarian and it is possible further participants from neighbouring countries could have participated if the chosen language would have been English. The decision was taken to give the event in Hungarian since the main target of the event was to inform the Hungarian geothermal industry of the GEOELEC project and to encourage the discussion on utilisation of the Hungarian geothermal resources. Hopefully interest will rise with further events and even more public outreach.

Type of target group	Participant company example
National, regional, local and European policy makers	Naki, MFGI, Ministry of National Development, Clean air action group,
Financial actors	MKB Bank, OTP Bank
Potential investors: Oil&gas sector, Utilities, Developers and operators	EU Fire, Porcio, Szvsz, Cege, Falcon TXM
Professionals of the geothermal sector, and related consultants	MFGI, GeoEx, ELTE, Drilling Consulting, Trenecon Cowi, Aurora Energy, Mining Support, MTA Institute of Energy, University of Miskolc

Table 1. Participants of the Hungary Promotional Seminar, examples from target groups.

### 2. PRESENTATIONS

The Conference opening was honoured by Mr. Ferenc Hízó, Deputy Minister of Climate Policy and Key Public Services. The introduction of the GEOELEC project was made by GEOELEC member Mr. Attila Kujbus from GeoEx followed by presentations on “Environmental issues and public acceptance” by Mr. Peter Gyöpös, Mannvit, and “Web-GIS, geothermal potential, prospective study” by Ms. Annamária Nádor Dr. from MFGI.

After the coffee-break, where participants could meet and begin networking, presentations continued on “Grid access” and “Reporting code” by Mrs. Agnes Molnár and Dr. Ádám László from Mannvit. The lunch break gave further time for discussion, mingling and networking among the participants.

After lunch the presentations covered “geothermal power plants, capital investments and risk insurance”, “software on financial pre-feasibility” and “licensing background” by presenters Mr. Sigurdur Lárus Hólm, Ms. Lilja Tryggvadóttir and Mr. Peter Gyöpös from Mannvit.

### 3. DISCUSSION HIGHLIGHTS

The discussion highlights of the Hungary Promotional Seminar by presentation are listed here below.

#### 1. Presentation of Environmental Issues and Public Acceptance:

- What are the main drivers for the public acceptance, how the issues can be resolved when geothermal related activities commence.
- Gas emission of the geothermal power plants, comparison with other renewable energy production sources.
- Question of hydrofracturing. This is one of the most crucial present issues in Hungary. The environmental authorities ban the hydrofracturing due to environmental issues even though the necessity of hydrofracturing is not questionable. Hydrofracturing is further a well-known process in oil and gas exploration and basic element of deep geothermal development. The recent ban is caused by the fear and misinformation of the authorities. The ban obstructs the development of EGS technologies.

2. Presentation of Web-GIS Geothermal Potential Prospective Study:
  - One of the most interesting presentations to the audience. General discussion on the web based application.
3. Presentation of Grid Access:
  - There was no relevant inquiry or discussion regarding this topic. One of the reasons is believed to be too much focus on the German grid access special problems and possibilities in the deliverable of the project.
4. Presentation of Reporting Code:
  - No relevant discussion regarding this topic.
5. Geothermal power plants, capital investments and risk insurance:
  - Based on discussion at the event the necessity of development of risk insurance on geothermal would be necessary to help and speed up the geothermal and/or other capital intensive investments in Hungary.
6. Software on financial prefeasibility:
  - This was interesting presentation, the topic was special, to give deep overview and knowledge of the program. Therefore feedback may be addressed to the organiser later.
7. Licensing background:
  - This presentation summarized and introduced the licensing procedure in Hungary for geothermal development purposes. The difficulties and complexity of the licensing procedures started a conversation within the audience. It was stated that a comparison of the licensing procedures across the EU 28 member states would be of great interest. The audience was referred to the factsheet on regulation in their folders and the GEOELEC webpage for the deliverable on regulations and licensing “Overview of national Rules of Licensing for Geothermal” and “Report on Geothermal Regulations”.

