

A Word from the EGEC President

Dear Members of EGEC & Readers of Our Newsletter,

Decision-making on the European level takes time – and the results determine market and development for years to come. We have seen that with the RES Directive, put into force in summer 2009 after years of discussion and legislative process, and setting a framework for renewable energies until 2020. And at the European Renewable Energy Council (EREC) Policy Conference this May, industry (including the geothermal industry represented by EGEC) were already envisaging the decade after 2020, with a target of 45 % of renewable energy by 2030.



(Credits RHC-Platform
Budapest 05.05.11)

So hopefully by the end of this decade, we will have new legislation in place, setting the frame for that 2030 target (or an even higher one). The decision of Germany to definitively end nuclear power production by 2022 (and to fulfil the climate goals nevertheless) will channel forces in business and research into alternative ways for producing energy and for saving energy, and geothermal will be among these alternatives. We will have the opportunity to see an example of how a low-carbon, nuclear-free energy supply can be achieved in a highly industrialised country.

As for the lengthy decision-making processes on the EU level, the crucial time for the new research framework from 2014 has arrived. I was invited to a relevant workshop with the Commission on the 23rd of June and could see that the willingness to include geothermal (in particular EGS) in the strategic tool, the SET-plan, is still nearly non-existent with the director for energy in DG RTD, Raffaele Liberali. At the end I promised him to ask for inclusion of EGS over and over again, and I ask the EGEC members to lobby with their national governments to have EGS on the agenda for the discussions between the EU Commission and Member States. First workshops for this process are already planned in July 2011, so please make your national ministries aware of the need to put EGS at the heart of future EU funding (which the SET-Plan is intended to define), and, of course, to foster geothermal energy development in general.

A helpful tool to underline to policy-makers the importance of geothermal energy for future energy supply is the IEA Geothermal Technology Roadmap, which is mentioned in this newsletter. In Brussels and in member states, political life will slow down for the summer, as will this newsletter take a break, with the next issue scheduled for the end of August.

In this ISSUE NO 14:

- Policy p2
- Market Development p3
- News from EGEC p4
- Events p5

Enjoy the summer break, and have an interesting reading,

Burkhard Sanner

Geothermal Panel of the RHC-Technology Platform & TP Geoelec

Date: September 2nd 2011

Venue: Square de Meeus, Brussels.

EGEC Annual General Meeting

Date: September 1st 2011

Venue: Renewable Energy House, Brussels.

Policy Update

Find out about the policy issues EGEC is involved in while promoting the Geothermal sector!

EGECs Reaction to the IEA Geothermal Technology Roadmap

EGEC welcomes the International Energy Agency has launched its Technology Roadmap for Geothermal Heat and Power which outlines the key actions that need to be undertaken globally to further develop geothermal heat and power. [EGECs reaction](#) to the Roadmap outlines our key positions and responses. The report itself can be downloaded from the IEA [website](#).

Launch of the Smart Cities Initiative

EGEC attended the launch conference of the Smart Cities initiative, hosted by DG Energy of the European Commission. Director for New and Renewable Sources of Energy, Marie Donnelly launched the results of the public consultation which received over 300 responses. This initiative will see a call for projects launch on 19th July 2011, with an overall budget of 75 million Euro. Further information to be confirmed.

EU Budget 2014-2020

The European Commission has presented a communication on 29th June 2011 on the next multiannual financial framework (MFF) – the overarching regulation for the EU budget 2014-2020. By the end of the year, legislative proposals will be presented by the European Commission on specific policy areas of the MFF, including the funding for the next R&D programme.

In relation to the future budget of the EU, EGEC asks for a full integration of geothermal into the SET Plan and the creation of a European Industry Initiative for Geotherma. Geothermal H&C can provide a substantial part of our energy needs. Flexible renewable electricity technology such as geothermal will be crucial for the future grid! R&D will allow decreased costs and further develop the geothermal technologies.

Recent Publications

RHC-Technology Platform



[Common Vision for the Renewable Heating and Cooling sector in Europe: 2020 - 2030 - 2050](#)

Market Development & News

Germany

Clean technology firm Wasabi Energy is joining a consortium to develop a 4.5 megawatt geothermal plant using its Kalina Cycle technology. The project marks the first opportunity for Wasabi to build, own and operate a power plant with a licensee of the technology, and it will earn a direct equity interest of up to 15 percent in the scheme.

Wasabi is joining German geothermal developer Geysir Europe and Swiss utility Axpo to develop the project at Taufkirchen Geothermal Power Plant in southern Germany.

Greece

TERNA Energy have been announced as winners of Greece's call for tenders and owners of the geothermal concessions of South Chios, Samothraki, Evros Basin and Nestos Basin – Xanthi – Porto Lagos for geothermal exploration during the next 5 years. Under the terms of their agreement with the Ministry of Energy, they must invest 95 million euros in geothermal exploration in the next 2 years.

United Kingdom

Drilling begins in Newcastle

Stirling based onshore drilling contractor, Geometric Drilling, has commenced drilling a geothermal well on the Science Central site in Newcastle. This is Geometric Drilling's first geothermal well and will require the transfer of skills and procedures from the drilling of onshore oil and gas wells.

Newcastle Institute for Research on Sustainability has obtained funding from the Department of Energy and Climate Change and the Newcastle Science City Partnership, to drill the two kilometre deep borehole which is designed to explore the rocks along one of the UK's largest geological fault zones - the so-called Ninety Fathom Fault Zone - which shows signs of hosting hot groundwater

ARUP reveals RES could provide at least 35% of UK's energy by 2020

Renewables could provide at least 35% of the UK's energy capacity by 2020, according to an analysis by consultants Arup. The estimate is the highest of three scenarios in the study, which were modelled according to how the government and industry addresses the constraints on new renewable capacity between now and 2030.

Additional news:

New Training Course in Deep Geothermal Systems in Switzerland

A new training course in deep geothermal systems is being organised by the Centre for Hydrogeology and Geothermics of the University of Neuchatel (Switzerland). The course includes modules of 5 days each between November 2011 and May 2012 in Neuchatel. The participants include scientists and engineers from the fields of earth sciences and energy. The main objective of this course is to train specialists in deep geothermal systems, who will be capable afterwards in their company or public institution of planning, setting up and leading parts or the totality of geothermal projects.

Mustang Geothermal enters \$50m financing LOI with German investors

U.S. based geothermal development company Mustang Geothermal Corp. announced that had it entered into a non-binding letter of intent with ARG Vermögensverwaltung AG of Munich, Germany, to arrange for a material definitive agreement securing fifty million dollars (\$50 million) in funding to the Company.

News: EGEC

GeoPower 2011, Call for Presentations Launched

For its official conference, GeoPower Europe 2011, EGEC is launching a Call for Presentations from interested parties, on topics related to the conference agenda. With over 200 attendees, the GeoPower Europe conference is an optimal occasion to showcase projects or developments related to deep geothermal.

Further details and information are found in the [Call for Presentations Guidelines](#), as well as the outline of topics of the [GeoPower 2011 Draft Agenda](#). We welcome input on some topics covered in the conference and will select 3 presentations. If you have any questions, do not hesitate to contact com@egec.org for more information.



Spotlight on New Project



The 20th and 21st of June witnessed the Kick-Off meetings for the **GeoElec** project, an Intelligent Energy Europe project, under the umbrella for the European Agency for Competitiveness and Innovation. EGEC is the co-ordinator of this project, and our consortium of partners from 7 countries throughout Europe gathered to discuss the first steps in realising the project.

The overall objective of GeoElec is to convince decision-makers about the potential of geothermal electricity in Europe, to stimulate banks and investors in financing geothermal power installations and finally, to attract key potential investors such as oil and gas companies, and electrical utilities to invest in



Intermediate Project Conference 6th & 7th October 2011 Marseille, France

The GROUND-MED project demonstrates the next generation of geothermal heat pump (GSHP) systems for heating and cooling in 8 demonstration sites of South Europe. For a full summary of project activities, visit website: groundmed.eu! The intermediate conference will address the progress of the project, as well as discussing current market and policy conditions for GSHP actors in Europe. The conference programme is [online](#) (*subject to confirmation of speakers*).

- Register at the project [website](#).
- Registration fee for Ground-Med partners is €120, and for guests €250.
- First come – first served! Interested parties, please [pre-register before 15 July 2011](#).
- Capacity may be enlarged if demand is sufficient.



Events

Upcoming Events:

August 2011

GEA National Geothermal Summit, 16th & 17th August, Nevada, USA.

[Website](#)

September 2011

EGEC Annual General Meeting, 1st September, Brussels, Belgium

CANGEA's Annual Conference, 14th & 15th September, Toronto, Canada

[Website](#)

**Geothermal Operations and Plant Optimisation Conference,
15-16 September, California, USA**

[Website](#)

GeoPower Turkey 20th & 21st September, Istanbul, Turkey

[Website](#)

October 2011

GroundMed Conference, 6th—7th October, Marseille, France

[Website](#)

First Dutch Geothermal Congress, 13th & 14th October, Utrecht, The Netherlands

[Website](#)

November 2011

EAGE event: SES11 Conference, 8th -11th November, Valencia, Spain

[Website](#)

Geothermal Congress 'DGK2011', 15th = 17th November, Bochum, Germany

[Website](#)

Geothermal Energy at the RENEXPO® Austria 2011, 24th—26th November, Salzburg, Austria

[Website](#)

December 2011

GeoPower Europe, 5th –7th December, Milan, Italy

[Website](#)

Les Journées de la Géothermie 2011, 13th -15th December, Paris, France

[Website](#)