

A Word from the EGEC President

Dear members of EGEC,
dear readers of this newsletter,

Renewable Energy Sources (RES) are a great success story! The share of power and heat from RES is rising steadily in almost all European countries. The big energy companies seem to be getting nervous, and are now complaining strongly about this development (assumably because they are only a small part of it). A very clear signal is the proposal made by the liberal party in Germany (FDP) to replace the highly successful German feed-in-tariff with a quota system. I personally hope that this proposal will have no chance after the upcoming federal elections on September 22.

And along similar lines: According to an article in Financial Times of 10 Sept 2013, the CEO of GDF Suez, Gérard Mestrallet, said that overgenerous renewable energy subsidies had pushed up energy costs for consumers. He seems to avoid awareness of the enormous subsidies for conventional power production over a long period of time, and for nuclear power in particular! He also is quoted as saying "We have to reduce the speed at which Europe is building new wind farms and solar panels...". Yes, politicians are lobbied to slow down the renewable energy development, and the public is made believe that RES are costly per se – but power production prices from RES are falling, and are often lower than for conventional power, even with the playing field still sloped against RES. Concerning growth, we should not forget that there are a number of member states struggling to reach the 2020 targets! It is upon us to fight against the attacks on RES growth, and to pinpoint to the advantages inherent in geothermal power production, like availability on demand. We're not alone in the battle, this week we, along with more than 60 other partners sent an open letter to European Institutions, reminding them of the importance of binding targets for 2030. The letter can be read here.

We're now getting back to a work routine after the summer break. The European Commission published on 6 September 2013 a package of regulations regarding energy labelling and eco-design requirements of water and space heaters. Basically a good document, with only heating appliances using RES in some way likely to get an A+ or better label. A small drawback is in the details for rating heat pumps, where the reference source temperatures for geothermal heat pumps are set lower than those for air source. Also a number of events are up in the near future, like the Groundmed course in Coimbra, Portugal, on 26 September, the Geoelec training course in Pisa in the week starting 7 October, the Regeocities workshop in Brussels on 10 October, the European Heat Pump Summit in Nuremberg on October 15-16, and more – have a look at the event schedule in this newsletter!

For those who could not make it for the European Geothermal Congress EGC 2013 last June in Pisa, there is good news as all the papers are now available for free download from the [IGA website](#). Select "European Geothermal Conference" and the year "2013", and you will have access to all the papers from EGC 2013. What you, alas, cannot download is the atmosphere of the congress, the discussions and chats with colleagues, the taste of Tuscan food...

A chance to meet high-profile representatives of the geothermal industry will be at GeoPower Global Congress 2013, Amsterdam, the Netherlands, on 3-4 December 2013. This will be the 5th edition of the GeoPower event supported by EGEC and organised by Greenpower Conferences since the first in Munich



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in 2009, and it is looking to become the biggest and best yet. The conference will have two main streams, one on power and one on heat & cold, as well as an enhanced set of networking opportunities. An impressive line-up of high-level speakers has already been confirmed. It is now time to book your place with one of the early-bird rates that offer great savings! See more on the [GeoPower website](#).

I wish you an interesting read,

Burkhard Sanner

Policy Update

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

EC publishes package of regulations on energy labelling and eco-design requirements

The European Commission has adopted a package of regulations supplementing Directive 2010/30/EU regarding energy labelling and Directive 2009/125/EC on eco-design requirements of space and combi-heaters (Lot 1), and water heaters and storage tanks (Lot 2).

As of 26 September 2015 transparent information obtained by reliable, accurate and reproducible measurement and calculation methods shall be provided to consumers, including on the level of efficiency of space and combi-heaters and water heaters with a rated heat output ≤ 70 kW. The package covers heat pumps, including Ground source heat pumps, which are amongst the few technologies able to comply with the most efficient energy class (A++ as of 2015 and A+++ as of 2019).

The regulations are available on the [Official Journal of the EU](#).

Industry calls for 2030 binding Renewable Energy targets in an open letter

EGEC, along with 60 other European companies and associations has published an open letter to the Ministers for Energy in the EU-28 Member States and to the European Institutions calling for a legally binding target for renewable energy and highlighting the importance of reliability and certainty about the regulatory framework for energy. The news was reported by Reuters in [this article](#) on the 2030 debate.

The full letter can be read [here](#).

European Parliament adopts Resolution on small scale energy technologies

The European Parliament has adopted a Resolution urging to improve the implementation of the strategies for small-scale electricity and heat technologies contained in the existing EU policy framework and to appropriately these technologies in the 2030 package.

EGEC warmly welcomes this timely Resolution which also calls for the Commission to work together with the Member States to remove existing barriers in national laws, on access to finance for microgeneration projects, and create new targeted financial instruments (e.g. microcredits) and disseminate best practices regarding these activities.

In this context, EGEC has been calling for an EU action plan for renewable heating and cooling and expects the Commission to follow-up on the Parliament's requests. The final text of the Resolution is available [here](#).

Market Developments

Two Geothermal licences in the Netherlands for Transmark Renewables

With a focus on surface exploration over the next two years, the company hopes to start drilling at the sites in Friesland and Noord-Brabant/Utrecht at depths of 4.000-6.000 metres in 3-4 years. The plan is generate both heat and power at each project.

St Gallen project set to continue

Work St Gallen, CH, was halted on the 20th July when, following drilling at the site, a gas leak was detected and immediate action was required to prevent a blow-out. Subsequently, tremors with a magnitude of 3.4 were felt in the area.

The borehole was stabilised and now pipes have again been inserted to a depth of 400 metres, whilst 400m remain to be re-drilled. After this phase of work, due to be completed at the end of October, the borehole will be sealed and a final decision on whether the project will continue will be taken in the summer 2014. Local people will take the decision about the next steps for the project.

Open tender for three geothermal licences in Hungary.

The deadline for applications for the 15 year licences is 15 November, with results to be announced mid-February. The concessions are in Jászberény, Ferencszállás and Kecskemét. The move is part of a wider attempt by the government to diversify the country's energy landscape and improve energy security.

Reservoir Capital Corp Renews and Expands Serbian License

The Republic of Serbia has renewed the company's Vranjsak Banja exploration licence, extending it until 16 August 2016. The licence also covers two wells which were under a previous expired licence.

Daldrup & Söhne/ GeoX deal completed

The proposed acquisition of 40% of GeoX by Daldrup & Söhne through its subsidiary Geysir Europe GmbH has now been completed. Curd Bhems will now become second MD, working alongside Jörg Baumgaertner of Bestec GmbH.

With the drilling of the 3rd well expected to begin later this year, the plant's efficiency is set to improve, generating 3MWe and 7MWth. That means the plant will provide around 6,000 households with electricity and 200-400 with heating.

Turboden to supply GKT project in Traunreut

Turboden, an EGEC member, is to supply the 4.1MWe ORC power plant planned to come online mid-2015, announced the managing company gec-co global engineering and consulting, for the Traunreut geothermal project in Bavaria, Germany.

News

Financial support for Geothermal Projects in East Africa.

The Geothermal Risk Mitigation Facility for Eastern Africa will be holding a pre-application information workshop for project developers and financiers in Addis Ababa (Ethiopia) on the 21st October. More information is available online.

Icelandic-Ethiopian Geothermal Partnership

The Icelandic International Development Agency, in connection with the World Bank, has signed an agreement with the Government of Ethiopia as part of the ICEIDA/NDF Geothermal Exploration project. The objective of the agreement is to identify potential sites for exploration drilling and develop capacity in Ethiopia to advance the country's geothermal energy production.

€458mio German Support for Development in Indonesia.

German Ambassador Dr. Georg Witschel and Director General of loan management Mr. Robert Pakpahan signed agreements on Financial and Technical Cooperation in the Ministry of Finance on 17 September 2013. The largest part of these agreements is a geothermal program, which includes €295mio in highly concessional loans. The move is a continuation of a project which began in 2010.

New President for geothermie.ch (ex-Swiss Geothermal Association)

At an extraordinary general meeting on the 28th August the SSG adopted new statutes and elected a new board. The name change signifies a new strategy for the organisation, which will see the creation of technical commissions. The new geothermie.ch president is Willy Gehrler of the Swiss academy of sciences.

Icelandic Research of the roots of geothermal energy

Nearly 100 M ISK is to be spent on research into the interaction of water and magma in the roots of volcanoes, and how heat is transferred into geothermal systems to maintain their energy.

The 'Deep Roots of Geothermal Systems (DRG)' project will be managed in collaboration with GEORG and is financially supported by GEORG, Orkustofnun, Reykjavik Energy, HS Orka, Landsvirkjun and the Iceland Deep Drilling Project (IDDP).

Department of Agriculture, Puglia, starts using a geothermal System

The heating system will manage the air conditioning of the department's building, and is part of a wider plan which will see 20 systems owned by the region using geothermal heating and cooling. The system is set to provide savings of 70%

EUROGIA and RHC-Platform Brokerage event

On the 18 September the two organisations ran the event at GDZ Suez, Paris.

'Heat represented 47% of the final energy consumption in Europe in 2010 and 4 billion euro of investment is required to make heating and cooling technologies more competitive in the market' said Javier Urchueguia, RHC platform Vice-President during his address.

Attendees heard from policy makers and representatives from industry, research institutions, and academia. Speakers discussed how to increase the use of RES Heating and Cooling and its enormous potential. Many project ideas were also introduced, and a representative from EUREKA presented financing schemes for EUROGIA projects in France. The event will now lead to collaborative RD&D project proposals.

News from EGEC projects

Package on regulations for Geothermal electricity available

The GEOELEC Report on Geothermal Regulations, as well as an overview of national rules of licensing and a report on legal grid access can now be found along with all of the project reports in the GEOELEC Library.



Database of deep drilling companies published.

The creation of this initial directory is intended to make the drilling market more transparent and therefore improve conditions. The database includes drillers, drilling equipment manufacturers and providers and drilling services companies, and can be found on the [geoelec website](#). If you have a drilling company to add, [contact EGEC](#).

Upcoming Promotional seminars

Seminars promoting the results of the GEOELEC website will be held around Europe. The next dates are:

Paris, FR 17 October 2013

Madrid, ES 29 October 2013

Essen, DE 11 November

Utrecht, NL 14 November 2013

Budapest, HU 15 November 2013

More information is available [online](#).

GEOELEC Course Pisa: FULLY BOOKED

The GEOELEC course, 8-11 October, Pisa, IT is now fully booked. For those of you who missed out, look for a promotional seminar near you and watch this space to hear about the possibility of future courses from the project consortium.

Tools for the estimation of very Shallow Geothermal Potential available, ThermoMap project concludes



The project ends with the launch of V1.1 of the MapViewer, an interactive map showing the very (vSGP) across Europe, complimenting the calculator for estimating an area's vSGP using site specific information, designed by the ThermoMap project for companies, end users, and public authorities. You can find out more information about the project on the website, in our press pack, and in the final newsletter. A press release on the outcomes of the project can be downloaded [here](#).



repowermap

Welcome on board to AFPG, UGI and GTV! Three new associations have now integrated their own version of the RepowerMap into their websites, showing off the geothermal installations in their countries!

The RepowerMap is an online interactive map showing concrete examples of renewable energy projects across Europe.

Companies can get a free, personalised map showing their projects and add it to their website.
Organisations working with renewables can get a tailored map of their area.

Would you like to promote your company or organisations work on the RepowerMap? It's completely free and a great way of presenting your work! [Find out more.](#)



EGEC ASBL, Renewable Energy House, Rue d'Arlon 63-67, Brussels 1040, Belgium

Events

Workshop: Make your City smarter with local RES: Implementing Geothermal in Cities.
10 October, Renewable Energy House, Brussels, Belgium.



The event is aimed at representatives from local authorities and the building sector, who are interested to learn about the implementation of shallow geothermal systems in cities. The agenda can be found here.

The event is free to attend, and refreshments will be provided.

Hear case studies from Paris and Tuscany and an overview of legislation at a European and National level in the 11 project countries.

Please register by Monday, 7th October at regeocities.eu/events.

Two prestigious geothermal events: one time and place



This year's GeoPower Europe event, 3-4 December 2013 looks set to be the biggest and best yet! For the first time there will be two parallel agendas, one on power and one on heat and cool. The new arrangement lets you build your own agenda according to your specific interests.



Key policy makers, project developers, asset operators, financiers and academics are all set to speak at the event- you can see the whole list by downloading the [online brochure](#).

EGEC will of course have a space in the exhibition, 50% of which has already sold. We'll also be available during the networking events and will be taking advantage of the on-site meeting service.

The 2013 EGEC report will be launched at the cocktail reception at the end of the 1st day. Our report is the only comprehensive assessment of the European geothermal market and is available for €250 or for free to EGEC members and GeoPower VIP ticket holders!

Book by 25 September to take advantage of the extra early bird deals and save up to €800.

EGEC Events Calendar 2013/14

Second Sustainable Earth Sciences Conference & Exhibition (SES 2013)	30/09-4/10/13	Pau, France
Regeocities Workshop: Make your City smarter with local RES: Implementing Geothermal in Cities	10/10/13	Brussels, Belgium
TIREC 2013	16-17/10/13	Istanbul, Turkey
GeoElec Promotional Seminar	17/10/13	Paris, France
European Heat Pump Summit	15-16/10/13	Nuremberg, Germany
GeoElec Promotional Seminar	11/11/13	Essen, Germany
The German Geothermal Congress 2013	12-14/11/13	Essen, Germany
GeoElec Promotional Seminar	14/11/13	Utrecht, the Netherlands
GeoElec Promotional Seminar	15/11/ 13	Budapest, Hungary
European Renewable Energy Policy Conference	28-29/11/13	Brussels, Belgium
GeoPower Europe 2013	3-4/12/13	Amsterdam, Netherlands
8th GeoTHERM Expo & Congress	20-21/02/14	Offenburg/ Germany
French Geothermal Days	10-11/04/2014	Paris, France