

Dear members of EGEC,  
dear readers of this newsletter,

If you think I look younger in this photo, you may be right – it is the one that I used for the editorial of the first issue of the EGEC Newsletter in 2006, and it was in fact taken in Daejeon, South Korea, in April 2003. So it shows me more than 10 years ago. And now I retrieved it from the archives to mark a celebration.

**Yes, indeed, this is the 50<sup>th</sup> issue of the EGEC newsletter!**

In the first years of EGEC, information was mainly conveyed through the EGEC website, through national associations, and through the bi-annual EGEC Business Seminars (see below). A more regular and frequent collection of news became desirable, and so the EGEC Newsletter was published for the first time in spring 2006. 2-3 issues were released each year, steadily increasing in size. No. 11 for autumn 2010 had 21 pages- too many things were happening too quickly for geothermal, and so we judged it better to have shorter, but more frequent newsletters. Thus from issue no. 12 on, in April 2011, we shifted to a monthly publication. The availability of full-time staff allowed for this busier schedule (I had mainly done the first few issues by myself, with the help of board members and local support in Brussels from the first professional manager for EGEC, Philippe Dumas).

The EGEC news is the main regular information tool of EGEC, in combination with the website. It is sent to a large number of players and stakeholders in industry, R&D, policy, parliaments, national and European administrations, etc. For the EGEC members, the newsletter is complemented by regular email information (“News Roundup for Members”) and by confidential information in the member’s corner of the website. You can still find all past issues of the EGEC Newsletter since no. 1 on the EGEC website under “Publications” – and so you can see how the newsletter developed, and became more and more professional over the years.

Now back to this month. Of all events I attended since I wrote the last editorial, I would just like to highlight one: The REN21 Renewables Academy held on 10-12 November 2014 in Bonn, Germany. It was a great opportunity to discuss the situation of renewable energy with stakeholders from all over the world. I had the privilege to sit on a panel on “how to boost renewables heating and cooling”, and could use other networking options provided. More information and video proceedings are available from the dedicated [website](#).



Picture from 1st edition 2006  
(Photo- Choi)

Above I mentioned the EGEC Business Seminars: 1999 in Ferrara/IT, 2001 in Altheim/AT, 2003 in Szeged/HU (as part of EGC 2003), 2005 in Berlin/DE, 2007 in Unterhaching/DE (as part of EGC 2007). There was no ‘own’ event in 2009, as EGEC teamed up instead with GreenPower conferences to run the first GeoPower Conference (in Munich/DE), which subsequently became our premier annual event, to be held this year in Istanbul on 3-4 December. So I wish to bring this great event to your attention again – [booking is still possible](#). For those deciding spontaneously to go, and for those who already have a ticket, I look forward to seeing you in Turkey next week!

Finally, let me remind you once more in the European Geothermal Innovation Award 2015. I hope to find again highly interesting developments nominated, and the award ceremony on 5th March 2015 being a showcase of the innovative power of the geothermal industry. So place your nomination, be it for your own company or others, and convince the jury of its merits! Details of the process can be found [here](#).

I wish you an interesting read,

Burkhard Sanner

## EU Investment Plan: EGEC calls for more funding for RES cogeneration and Renewable Heating and cooling in EU investment plan.

This week European Commission Jean-Claude Juncker launched an investment plan to re-launch the European economy. The plan will unlock public and private investments in the real economy of at least € 315 billion over the next three years (2015-2017). A new European Fund for Strategic Investments (EFSI) will be set up in partnership with the European Investment Bank (EIB). It will be built on a guarantee of € 16 billion from the EU budget, combined with € 5 billion committed by the EIB.

Before the plan was announced, EGEC wrote to President Juncker calling for recognition of the importance of cogeneration and heat projects in future European investment and energy strategies. Specifically, the letter recommends that investment

should go in priority to:

- Building renovation with energy efficiency measures and fuel switch to renewable heating.
- District heating and cogeneration generation units and distribution networks, including for their refurbishment with RES integration;
- Low temperature process heat from RES to decarbonise the industrial sector.

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

Following the announcement of the plan this Wednesday, 26<sup>th</sup> November (full details of which can be found [here](#)), EGEC called again for the earmarking of funds for RES cogeneration and Heating and Cooling.



More than 130 members from 28 countries (including private companies, national associations, consultants, research centres, geological surveys, and public authorities) make EGEC a strong and powerful network, uniting and representing the entire sector.

## European Geothermal Technology Panel (Geothermal TP) invites Expressions of Interest in new Steering Committee membership 2015-2016

The European geothermal technology panel invites interested parties to submit an Expression of Interest to become member of the Panel's Steering Committee for the period 2015-2016.

The geothermal TP was launched by EGEC in March 2009. Since then, a Geothermal Research Agenda 2010-2020 has been published in 2012, and the Geothermal roadmap was released in 2014.

The Steering Committee of the geothermal TP manages the panel and its working groups (shallow, deep, non-technical). It must represent the full range of actors in the geothermal sector: Manufacturers and the research community, suppliers and service providers, geothermal associations, and national governments.

The geothermal TP has now launched an Expression of Interest procedure for membership of the Steering Committee 2015-2016. The members will be selected for a period of two years by a Selection Committee, consisting of members each from industry, research and policymaking.

Members will be chosen based on an agreed set of criteria (see document: criteria for selection).

"The geothermal TP has become an important tool for our sector to develop a roadmap for our technology. The Steering Committee is driving the Panel forward", says current geothermal TP chairman Javier Urchueguia. "We want a strong Committee, which can really make an impact. I therefore invite geothermal experts from all over Europe to express their interest in serving on the geothermal TP Steering Committee."

Expressions of Interest must be sent to the geothermal TP Secretariat by Monday, 15 December 2014.

Selection of the SC members will take place at the end December 2014, before the official start on 01/01/2015.

The selection criteria can be found [here](#) and the application form can be downloaded [here](#).

## New District Heating System in Montieri, Tuscany.

A new district heating system has become operational in the Medieval town of Montieri, Italy. The town, with 1249 inhabitants and an area of 108.61 square kilometres has a heating season for 14 hours daily for a period between October 15 and April 15, for a total of 182 days per year.

A total of 425 heating units will be served by the system, representing a total volume to be heated of about 111,000 m<sup>3</sup> and requiring about 20,000 GJ or 5,500 kWh of heat energy. The source is Enel Green Power's high-enthalpy Montieri 4 well.

The scheme is part of the GeoCom project, which is also developing sites in Galanta (Slovakia) and Mórahalom (Hungary). The aim of GeoCom is the greater use of geothermal resources, in particular in Central-Eastern Europe, finding innovative solutions in areas where high investment costs can hamper development. More information about geocom can be found at [www.geothermalcommunities.eu](http://www.geothermalcommunities.eu).

## Hungarian Audi factory goes Geothermal

Drilling has begun at the geothermal plant in Pér, Hungary, which will supply 82,000 MWh annually to the nearby Audi factory in Győr when it becomes operational in 2016.

Audi has signed a contract with DDEnergy for the supply, which will cover 60% of the factory's heat demand.

"The geothermal plant is now another important milestone on the way to achieving our environmental targets at the site in Győr," Thomas Faustmann, Chief Executive of AUDI HUNGARIA MOTOR Kft.

## 10.1 million EUR Partial Risk Guarantee (PRG) from the AfDB for Kenyan project.

The African Development Bank's PRG is intended to support the production of the first 105MW generated by three plants in Menengai, Kenya.

Three independent power producers – Sosian Menengai Geothermal Power Limited, QPEA GT Menengai Limited and OR Power Twenty-Two Limited have been chosen to design, construct, install, operate and maintain three plants in Menengai.

The PRG “will mitigate the risk to independent power producers (IPPs) – and the providers of debt financing to IPPs – of non-payment by state-owned enterprise Kenya Power and Lighting Company Limited under the Power Purchase Agreement (KPLC) and non-supply of steam by state-owned enterprise, Geothermal Development Company (GDC) under the Project Implementation and Steam and Supply and Agreement”, said the Bank.

The purpose is threefold, explained the Director of the AfDB's Energy, Environment and Climate Change Department, Alex Rugamba “attracting needed investors to realise the Menengai project, helping to tap unleashed geothermal potential, and helping to bridge the tremendous gap between supply and demand.”

It is hoped that the first 100MW will produced by the end of 2015, increasing to 300MW in 2016. 90MW have so far been produced. Including projects in Baringo-Silali (2500MW) and Suswa (150MW), it is hoped that 810MW, half of the county's current electricity production, will be produced by geothermal by the end of 2016.

## peistareykir Plant: Response to call for tender for turbines published.

Landsvirkjun, Iceland's national power company launched a call for tender for 45 MW Turbines, Generators and Cold End Equipment in March this year, with an estimated total cost of c. 83.7 Mio EUR

The details of the four responses have now been published. Alstom's bid amounted to c. 71.7 Mio EUR, Fuji Electric and Balke Dürr's to c. 62.9 Mio EUR, Toshiba and Balke Dürr's to c. 68.3 Mio EUR, and an offer from EPC Consortium/Mitsubishi Hitachi/Power System/Balke Dürr/Mitsubishi Corporation to c.70.8 Mio EUR.

## Switzerland should continue to pursue geothermal energy

A new study from the Centre for Technology Assessment TA-SWISS has found that the benefits of developing geothermal in Switzerland outweigh concerns over microseismicity. The report states that more experience in building and operating plants is needed, and that although the federal government does not have control over how municipalities use their land, it can establish guidelines to streamline the process of geothermal project development. The report also notes that a sceptical public must be won over, which can be done in part with greater access to information.

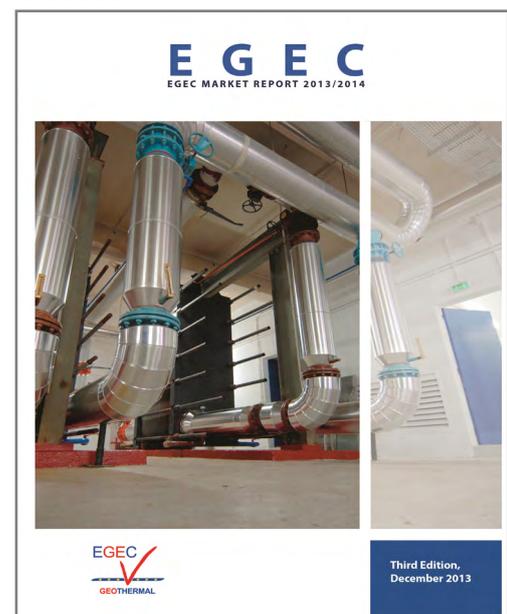
More information can be found [here](#).

### The EGEC Market Report: The only full assessment of the entire geothermal sector.

€250

Free for EGEC members.  
Click [here](#) to find out more

### 2014 Update to be published next week at GeoPower





Promoting Geothermal District Heating  
in Europe.

## Report on Market Barriers

Regulatory and market conditions widely vary across the 14 GeoDH countries, however the GeoDH project has identified practices which are conducive and detrimental to GeoDH development.

This new report, [which can be found here](#), explains the barriers in the market, their impact, and how conditions can be improved.

## Guide to geothermal district heating for financial institutions

The GeoDH project has published a guide to geothermal district heating for financial institutions. Download the document by clicking [here](#) or visiting the [project library](#).

## Report on Potential

A new report on geothermal district heating potential in Europe has been published by the GeoDH project.

It covers the fourteen project countries and includes information about the geological potential, as well as energy infrastructure.

It can be downloaded by clicking [here](#), or by visiting the GeoDH [library](#).

## Report on Support Schemes for GeoDH

Support schemes are crucial, temporary public policy tools, especially in immature or imbalanced markets.

Innovative financial mechanisms which offer long term stability and the involvement of the private sector need to be established at different levels of government.

This report from the GeoDH project examines different mechanisms and derives guidelines on the successful implementation of support schemes.  
[It can be found in the Project library.](#)

## Thank you for joining a GeoDH Seminar or training course

The training manual can be downloaded from the project [library](#), and presentations and information can be found in the [events](#) section of the website.



# GeoPower Global Congress

3-4 December 2014  
Istanbul, Turkey



**“Investment in geothermal energy rose 38 per cent to \$2.5bn worldwide in 2013 - The only renewable technology to see an increase” - UNEP**

According to EER’s market forecasts, the global geothermal industry will triple from its current installed base from 11.4 GW to over 31 GW by 2020. In addition, according to EER, geothermal power plant investment could reach between US\$13 billion and US\$19.9 billion annually by 2020.

**You can’t afford to miss out.**

**Don’t miss: Turkey Focus Session - 3 December 2014**

With installed capacity expected to increase from 300MW to 750MW by 2018 and a total of \$5.53 Billion of investment in geothermal power and heat projects over the same period, Turkey is now one of the most exciting geothermal markets in the world to operate in.

Of course this growth hasn’t come without its challenges and the Turkey Focus Session will give investors, developers and geothermal solution providers an unrivalled opportunity to gain core insights on how to seize opportunities in the fastest growing geothermal market in the world.

**GeoPower Global Congress confirmed speakers include:**

- **Joshua Kibet Choge**, Chairman, **KenGen**
- **Alparslan Bayraktar**, Commissioner, **EMRA**
- **Sinan Ak**, General Manager **Zorlu Energy**
- **Christine Lins**, Executive Secretary, **REN21**
- **Christopher McCormick**, Director, **Reykjavik Geothermal**
- **Fausto Batini**, Managing Director, **Magma Energy Italia**
- **Raffaella Mastrella**, Directorate-General for Mineral and Energy Resources, **Ministry of Economic Development**
- **Dr. Bjarni Pálsson**, Manager Power Projects Department, **Landsvirkjun**
- **Hezy Ram**, CEO, **Ram Energy**
- **Dr. Juliet Newson**, Reservoir Modeling Engineer, **Contact Energy and President, International Geothermal Association**
- **David Perez Salinas**, Director, **Mexxus RG JV**
- **Lemayian Kimojino**, Principal & CEO, **Sosian Energy**
- **Dr. Horst Kreuter**, Managing Director, **Geothermal Power Tanzania**
- **Aygün Güney**, Assistant Manager, Production and Well Testing, Geothermal Reservoir Engineer, **Zorlu Energy**
- **Mehmet Kucukbeycan**, General Manager, Partner, **Enerji Merkezi**
- **Herman Darnel Ibrahim**, Board Member, National Energy Council Indonesia and Board Member, **IGA**
- **Allan Baker**, MD – Global Head of Power, **Societe Generale**
- **Peter Ballinger**, Managing Director, **OPIC**
- **Craig O’Conner**, Director, Office of Renewable Energy & Environmental Exports, **US EXIM**
- **Onur Büyükbozkırlı**, Department Head Project Finance, **Denizbank**
- **Joerg Uhde**, Managing Director, **GeoEnergie Taufkirchen GmbH & Co. KG (Axpo)**
- **Bjarni Gautason**, **Iceland Geosurvey (ISOR)**
- **Celal Tugcu**, General Manager Turkish Operations, **Exergy**
- **Alex Richter**, Founder & Principal at **ThinkGeoEnergy** and Director, **IGA**
- **Burkhard Sanner**, President, **European Geothermal Energy Council**
- **Philippe Dumas**, Secretary General, **European Geothermal Energy Council**
- **Hilel Legmann**, Marketing Manager, **Ormat**
- **Miklos Antics**, Board Member, **European Geothermal Energy Council**
- **Anthony Hinde**, International Marketing and Sales Director, **Exergy**
- **Kevin Wallace**, Senior Project Manager, **Power Engineers**
- **Birger Klitzing**, Product Manager, **SPX**
- Senior Representative, **Munich Re**

[www.geopowerglobal.com](http://www.geopowerglobal.com)

## Shallow geothermal energy for all: encouraging business and green buildings in the Adriatic.

### International capacity building seminar and presentation of the results of the legend project.

**12th December 2014**

Ground Coupled Heat Pumps (GCHP) technologies can be an option not only for the new high-energy-class buildings but also for older and low-energy-performance residential and industrial buildings, marking the transition from the actual “niche” position to the large market uptake.

In this sense, the Adriatic Regions and the Balkan Countries have a huge geothermal energy potential and offer great opportunities to investors and companies to make business.

What is the real stage of the market? What are the best technological solutions? Is it possible to create transnational supply chains among designers, geologists and specialists? **LEGEND project**, the largest GCHP programme ever financed by the EU in Adriatic, helps you to learn about the geothermal energy transition in the Adriatic and the Balkans.

Free on-line registration at [www.legend-geothermalenergy.eu](http://www.legend-geothermalenergy.eu)

## Events Calendar

GeoPower Global Conference	2-5 December	Istanbul, Turkey	<a href="#">Website</a>
Shallow geothermal energy for all: encouraging business and green buildings in the Adriatic.	12 December 2014	Ferrara, Italy	<a href="#">Website</a>
6th European Geothermal PhD day	25-27 February	Delft, The Netherlands	<a href="#">Website</a>
GeoTHERM	5-6 March 2015	Offenburg, Germany	<a href="#">Website</a>
World Geothermal Congress 2015	19-25 April 2015	Australia & New Zealand	<a href="#">Website</a>
37th Euroheat & Power Congress	27-28 April 2015	Talin, Estonia	<a href="#">Website</a>