

## Newsletter, Issue 3, March 2014

### Did you know?

There are 237 Geothermal District heating plants (including cogeneration systems) in Europe representing a total installed capacity of more than 4.3 GWth and a production of some 12883 GWh or 1107 ktoe in 2012.

In 2013, the main GeoDH markets are in France (41 systems), Iceland (32), Germany (25) and Hungary (19). The hot markets are also mainly in Germany (69, France (27), Hungary (16) and Denmark (12).

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## Promoting Geothermal District Heating in Europe

### About

The GEODH project aims to promote and develop Geothermal District Heating in Europe. It is being undertaken by a consortium of 10 partners for covering 14 EU Member States (Hungary, Poland, Slovakia, Czech Republic, Romania, Bulgaria, Slovenia, Netherlands, Italy, Germany, France, Denmark, Ireland, UK).

The first part of the project was mainly dedicated to the identification of the potential for geothermal district heating in Europe, notably in the targeted regions. The consortium is now focusing in presenting solutions for the regulatory as well as financial barriers

### Next Activities

The partners are now analysing **support schemes** for geothermal DH, in order to develop some key recommendations on their structure.

The **European business models** will be presented in detail with a guide on **project management** and a **model for financiers**.

An **online database** of GeoDH case studies will be published soon. It will serve for notably illustrating the 14 training courses organised between June and September 2014.

Finally, a series of fourteen seminars will present the project results.

Visit [www.geodh.eu](http://www.geodh.eu)  
to find out more

### GeoDH Partners



Target countries of the project



Co-funded by the Intelligent Energy Europe Programme of the European Union

## Geographical Information System Shows Geothermal District Heating Potential in Europe

The GeoDH Geographical Information System is now available [online](#).

This system presents the geothermal resource assessment and highlights the areas where potential for geothermal district heating exists. Based on currently available information in terms of geological data, already operational district heating systems, and heat demand, it shows the potential in the 14 project countries: Italy, France, Germany, Netherlands, Ireland, United Kingdom, Slovakia, Slovenia, Czech Republic, Romania, Bulgaria, Poland, Denmark, and Hungary.

Geothermal district heating is a technology that can make a valuable contribution for the achievement of the EU 20-20-20 energy and climate targets. However, in the framework of the implementation of Directive 2009/28/EC many National Renewable Energy Action Plans

(NREAPs) did not present any targets and measures on geothermal DH.

The objective of this map is to present an assessment of the potential for geothermal DH in Europe. This exercise is aimed to demonstrate to policy-makers and public administrations where geothermal can be developed in their regions.

The Geo-DH web-map viewer (Geo-DH GIS) aims to give an overview on the geothermal potential for DH of the targeted countries on a European scale, coupled with areas of heat load adequacy, thus geographically matching the resources and the demands, outlining areas for future developments.

The GIS provides a macro-regional overview for the district heating geothermal potential and should not be used for local assessments. It is not a tool for selecting new drilling sites, but serves as a guide to outline prosperous regions for future investment in geothermal district heating.



## Proposals for a Regulatory framework for Geothermal District Heating

Following a consultation of stakeholders, the GeoDH project consortium has released proposals for a Regulatory framework for Geothermal District Heating.

In order to overcome administrative barriers, the present 'Framework' puts forward key recommendations to remove regulatory barriers, promote the best circumstances, and simplify the procedures for geothermal district heating systems' investors, operators and policy makers.

The document is primarily addressed to regional public authorities which are in charge of regulations and local development, since they are deeply involved in licensing and other procedures related to geothermal energy exploration, exploitation, use, and management.

These proposals should lead to regional and local regulations favourable to geothermal DH development in Europe.

The full version and the Executive summary can be found [online](#).

## Financing Geothermal DH in Europe

GeoDH project works towards the removal of the current financial barriers to the development of deep geothermal projects for heating and cooling by:

- presenting an overview of the existing support schemes, highlighting the best practices for replication
- A report on the different business models in Europe for geothermal DH
- A guide on project management of geothermal DH with a focus on multipurpose systems

- A model for financiers (banks, insurance companies etc.) presenting the elements of a Geothermal DH system from a technical and an economical point of view.

All these reports will be available on the GeoDH website before summer 2014.

*Geothermal DH in Oradea (Romania)*



## 14 Training courses on geothermal DH to be organised

The GeoDH consortium will organise 14 courses between June and September 2014 in Hungary, Poland, Slovakia, The Czech Republic, Romania, Bulgaria, Slovenia, Netherlands, Italy, Germany, France, Denmark, Ireland, and the UK. These courses aim at presenting the technical details of geothermal DH systems to representatives of regional and local

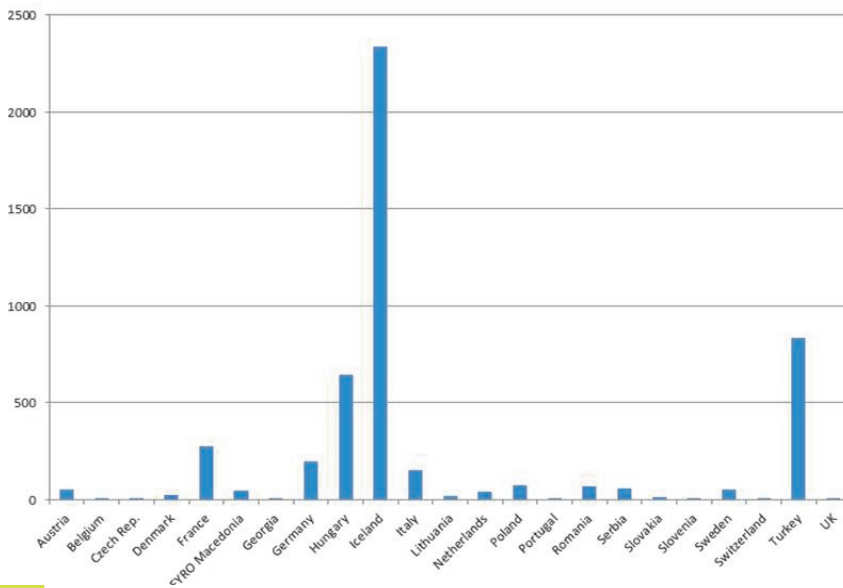
authorities, energy agencies, banks, investors, potential developers, DH operators and Building owners.

All courses will be free of charge. More information will be available online soon. To register your interest, contact the project partner in your country.



## Overview of Geothermal District Heating Market in 2013/2014

GeoDH capacity installed in Europe



District Heating (DH) is the geothermal sector currently with the most dynamic development and the most interesting perspective in the coming years. The renewed momentum since 2009 continues, with 5 countries installing new Geothermal DH systems in the past year. The technology is developing: in 2013, smaller systems, targeting shallower resources and assisted by large heat pump systems have been installed. In France, more triplet systems have been installed.

There are today 237 Geothermal District heating plants (including cogeneration systems) in Europe representing a total

installed capacity of more than 4.3 GWth and a production of some 12883 GWh or 1107 ktoe in 2012.

These are some of the findings of the EGEC Geothermal Market Report 2013/2014 . To get an idea of the content, you can take a look at the informative presentation on Geothermal District Heating Market in Europe given at the official launch reception of the Market Report: [EGEC Market Report 2013/2014: Geothermal District Heating Market in Europe](#) ; You can find more information about the EGEc Geothermal

### Conference on geothermal DH in Europe 2014

**SAVE THE DATE: 12th of June 2014 in Aachen, Germany.**

- Discover what is the deep geothermal potential in your country
- Discuss best practices in terms of regulations of geothermal DH systems
- Find innovative financing solutions for your geothermal projects...and much more

The GeoDH Conference will be held on 12th of June together with the IC Best conference at the Eurogress Conference Centre, Aachen (Germany).