



D6.5

Report on promotional workshops

November 2014

EGEC



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1 Introduction

The presented Report – Deliverable D6.5 summarizes the promotional Workshops on geothermal district heating systems (geoDH) held in 2014 in fourteen GeoDH Project countries in frame of WP6.

This is a key WP, starting in month 1. The project team aims to use GeoDH results to convince notably policy-makers in developing geothermal DH. The communication will be crucial as the main objective is to increase awareness on deep geothermal for heating & cooling.

An exhaustive publication (project brochure in national languages which will present potential applications, case studies and the benefits of geothermal DH) will be the main communication tool. Other tools include a website with a best practice portal, promotional events, a media campaign with a project newsletter to present the progress. Partners will have also to promote GeoDH by publishing articles.

Project results will be disseminated through targeted workshops, presentations during relevant events on DH and smart cities, and through a final conference.

The WP 6 comprises 3 main activities (transfer best practices, engage with DH companies, attract interest from municipalities) divided in 6 tasks.

The main objective of reported Workshops was to support the geoDH development by providing to key stakeholders (public and private) a background knowledge and awareness on geoDH systems, deep geothermal and its application into district heating systems. The Workshops' target groups involved the representatives of regional and local authorities in charge of regulations and local development, district heating developers, building sector, etc.

It was assumed that having better understanding of the geoDH technology and its advantages would help to develop such systems since decision makers would be more favorable to support it, simplify procedures and approve permits, while developers would be more considerate to and opt for this technology.

2 Promotional Workshops

2.1 Objectives

The main objective of Workshops was to support the geothermal district heating systems' development by providing to the key stakeholders (public and private) in fourteen countries a basic knowledge on geoDH systems, deep geothermal and its application into district heating systems.

It was indicated that in many cases there is a lack of awareness about these technology and issues in many regions. Therefore, having better understanding of the technology and its advantages (gained thanks to the training activities):

- would help to develop geoDH system since decision makers would be more favorable to support this technology, simplify procedures and approve permits,
- developers would be more considerate to and opt for this technology.

2.2 Target groups

The main target groups, to whom the Workshops were oriented, involved the representatives of regional and local authorities in charge of regulations and local development, district heating developers, building sector, etc.

2.3 Program

The program of 1-day promotional Workshops was prepared following common agenda suggested by EGEC and then the draft program defined and agreed by all Partners for the final conference.

A common draft agenda of the promotional Workshops was as follows:

Draft Agenda

Promote Geothermal District Heating Systems in Europe

Conference on geothermal District Heating in XX

Session: GEODH presentation and project results (2h)

Prospective for geothermal DH in Europe:

geothermal DH potential in Europe:

Guide for financiers:

GeoDH Business models in Europe :

Session on Financing (roundtable: 2h)

panelists: bankers, local authorities, GT developers, DH companies

Session on Regulations (roundtable: 1h30)

panelists: Ministry, regional/local authorities, ESCO, GT companies

Session on Technology (roundtable: 1h30)

panelists: drilling, DH, smart cities etc.

The topics included, among others, first Project's results on geoDH potential, regulations and financing.

2.4 Speakers

During the individual Workshops (which were held in national languages mostly), particular topics were presented by the instructors from local Partners' teams – due to their experience and expertise in geothermal and geoDH-related issues. In some cases the lectures were given by EGEC experts, and by external invited speakers or associated through the Advisory Committee.

3 National Promotional Workshops – an overview

D6.5 Report on promotional seminars

Promotional national workshops were organised between March and November 2014 for presenting project results in BG, CZ, HU, PL, RO, SK, SI, NL, DE, IT, FR, DK, UK and IE. Some have been organised jointly with the training courses and the site visits.

1. In Bratislava on 25/10/2014 for covering Slovakia, organised by AGEO, 37 participants
2. webinar on 25/10/2014 for covering United Kingdom, organised by EGEC and geoserv (EGEC member). 17 participants
3. In Budapest on 5-6/11/2014 for covering Hungary, organised by MFGL. 81 participants
4. In Pisa on 25-26/06/2014 for covering Italy, organised by COSVIG. 23 participants
5. In Copenhagen on 26-27/08/14 for covering Denmark, organised by GE (ex FJVU). 28 Participants
6. In Varna on 25-27/06/2014 for covering Bulgaria, organised by UBBSLA, 63 participants
7. In Ljubana on 27-28/10/2014 for covering Slovenia, organised by SDDE, 34 participants
8. in Uniejow on 14/10/2014 for covering Poland by PASMEERI, 49 participants
9. in Litomerice on 23/10/2014 for covering Czech Republic organised by Geomedia (EGEC member), 33 participants
10. in Paris on 18/11/2014 for covering France organised by AFPG, 29 participants
11. in Westland on 15/09/2014 for covering The Netherlands organised by Heerlen municipality, 54 participants
12. webinar on 27/11/2014 for covering Ireland and Northern Ireland organised by Geoserv (EGEC member), 6 participants. This webinar is online in the GeoDH website.
13. in Bucharest on 20/11/2014 for covering Romania organised by RGS (EGEC member), 46 participants
14. in Troisdorf on 26/11/2014 for covering Germany by Ubeg (EGEC member), 15 participants

Powerpoint presentations (D6.5) for the workshops are available.

4 Closing remarks

The reported Workshops on geoDH in 14 countries fulfilled their role and met assumed objectives.

In common opinion of participants, the Workshops were evaluated as important events, being the most recent source of information on the possibilities, technologies, purposefulness and the need to develop on much wider scale geothermal district heating systems in many European countries, including fourteen ones to which the GeoDH Project was oriented. The attendees indicated high substantial and organization level of all Workshops.

The conclusion is taken from the presentations given by EGEC during the GeoDH workshop in France:

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ASSOCIATION FRANÇAISE
DES PROFESSIONNELS DE LA

Séminaire promotionnel GeoDH

CONCLUSIONS

Paris - Mardi 18 novembre 2014

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Summary of Key Conclusions District Heating

State of Play in 2014

- Total Installed Capacity in Europe: 4.4 GWth (+100 MWth in 2013)
- Producing 13.1 TWh of thermal Power

249 Geothermal DH Plants

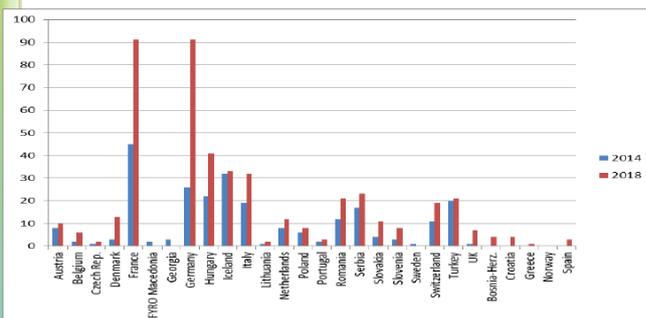
- 6 new GeoDH plants in 2013
- EU Installed Capacity of 1.3 GWth

6 new + 2 enlarged GeoDH plants in 2013

Country	Locality	Year comm.	Installed I Capacity MWth	Annual Energy used GWh th/y in 2012	Consortium
France	Arceuil (Geothermal+ HP)	2014	10	0	Municipality, COFELY (GDF-SUEZ)
Germany	Ismaning	2014	7		Gemeindewerke Ismaning
Hungary	Barcs	2014	2	n.a.	Local municipality
	Hódmezővásárhely	1994, enlarged	18	48,5	Local municipality, new system is set into operation
	Szeged	2014, enlarged	18,49	68,8	Local municipality
	Törökszentmiklós	2014	3	2,35	Local municipality
Italy	Montieri (Tuscany)	2014	6,5	0	Municipality
	Vicenza (Veneto)	End 2013	0,7	2,4	AIM Servizi a rete S.r.l.

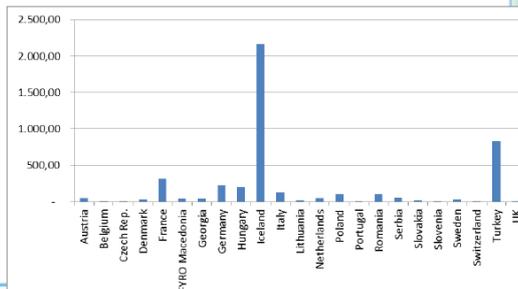


Installed Capacity per Country Looking to next 4 years...



Number of geoDH systems in Europe

Installed capacity per country (MWth)



Conclusions

For 2020, we need:

- more support schemes for geothermal in nearly all member States
- the establishment of an EU geological risk insurance scheme (like the proposal EGRIF)
- the removal of (mainly non-technological) barriers, in particular for shallow geothermal energy
- more competitiveness with fossil fuels (gas) in the heating and cooling sector.

For 2030, we need:

- A governance approach with ambitious measures at national level, as drillers, developers, and equipment manufacturers need security for investment
- a market design with more flexibility
- A competitive and fair playing field for heating and cooling, considering both fossil fuels and the strategy to “electrify the heating market”.
- Building renovation



Conclusions

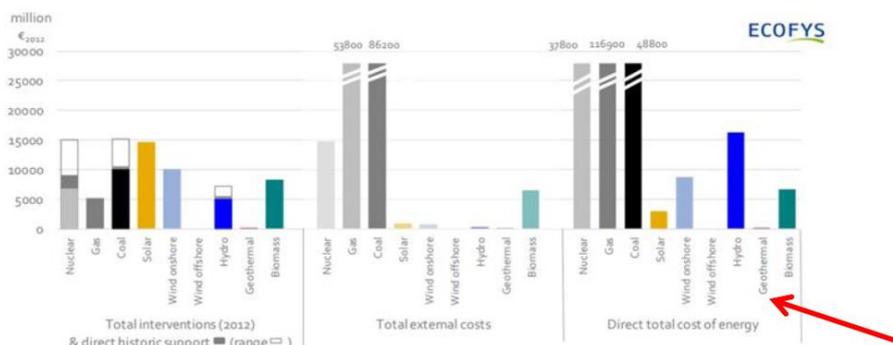


Figure 4-2: Total interventions, external costs and costs of energy split by technology 2012 (in million C2012)

Note: In this figure, total interventions exclude those not allocated to technologies i.e. infrastructure, energy demand, energy saving and free allocation of EU ETS allowances. Direct historic support is shown as ranges at the top of the interventions bar (marked by a gap in the bar). External costs have a higher level of uncertainty than the other components.

Source: Subsidies and costs of EU energy: An interim report, p. 51.



