

Develop Geothermal Electricity in Europe to have a Renewable Energy Mix

‘GEOELEC’

Contract Number: IEE/10/321 / SI2.591109

Duration: 30 Months (01/06/2011 – 30/11/2013)

Coordinator: European Geothermal Energy Council



Project Summary

GEOELEC supports the goals of the **Energy Policy for Europe** that aims at having **30 – 35% by 2020 of RES electricity**, and contributes to have a future energy mix with more RES, which will also contribute to more base load.

GEOELEC helps in having a **security of energy supply in the EU**, by removing the non-technical barriers and effectively assisting the development of EGS electricity, an abundant and indigenous renewable energy resource.

Partners:

- * European Geothermal Energy Council (EGEC)
- * Bureau De Recherches Géologiques Et Minières (BRGM)
- * Centre For Renewable Energy Sources And Saving (CRES)
- * Consiglio Nazionale Delle Ricerche, Istituto Di Geoscienze e Georisorse (CNR-IGG)
- * Asociacion De Productores De Energias Renovables (APPA)
- * Gaßner, Groth, Siederer & Coll. (GGSC)
- * EnBW Energie Baden-Württemberg AG (EnBW)
- * Mannvit
- * Helmholtz Zentrum Postdam – Deutsches Geoforschungszentrum (GFZ)
- * Nederlandse Organisatie Voor Toegepast Natuurwetenschappelijk Onderzoek (TNO)



Target Groups

Policy Makers

- National, Regional, Local and European

Financial Actors

- Institutions, Banks, Venture Capitalists

Potential Investors

- Oil & Gas Sectors, Utilities, Developers and Operators

General Public

- Local Associations, Environmental Bodies, NGOs etc.

Key Actors

Geological Surveys
National Energy Agencies
Licensing Bodies

Professionals of the Geothermal Power Sector
Financial & Legal Consultancies
Universities, Geothermal Educational
Facilities & Associations

Objectives

Objectives of the GEOELEC Project:

- Create **awareness** of geothermal (EGS) electricity among policy makers, the general public and potential investors
- Improve knowledge on the **benefits of geothermal power among financial actors**
- Remove **regulatory barriers**
- Increase **public acceptance** of geothermal power projects
- Analyse and monitor **employment and job creation**

Strategic objectives of the GEOELEC Project:

- Help MS reach national **Renewable Energy targets**
- Effectively improve the **Renewably Energy mix in the EU**
- Obtain the **support of the general public**
- **Reduce the costs** of the geothermal electricity production



Main Steps

PHASE 1

Prospective for Geothermal Electricity

- Prospective Study
- Resource Assessment

PHASE 2

Socio-Economical Conditions

Action Plans:

- Financing geothermal power projects
- Regulatory, social & environmental conditions
- Education & Employment

PHASE 3

Dissemination

- Promotion of geothermal electricity

Expected Results

GEOELEC will produce an action plan toward more geothermal electricity generation in Europe



Double installed geothermal power capacity in Europe from 11TWh per year in 2010 to 22TWh per year in short/medium term to 55TWh per year by 2020

GEOELEC will result in concrete actions to reach these objectives:



Conditions for financial feasibility
Regulatory framework
Public Acceptance and Promotion
Socio-educative context

The final result will be to have more European countries developing geothermal electricity, an increased installed capacity with grid stability and a larger contribution of the geothermal sector to the European energy sector.

Enquiries Contact

Co-ordinator

EGEC, 63-67 Rue d'arlon, Brussels 1040, Belgium.

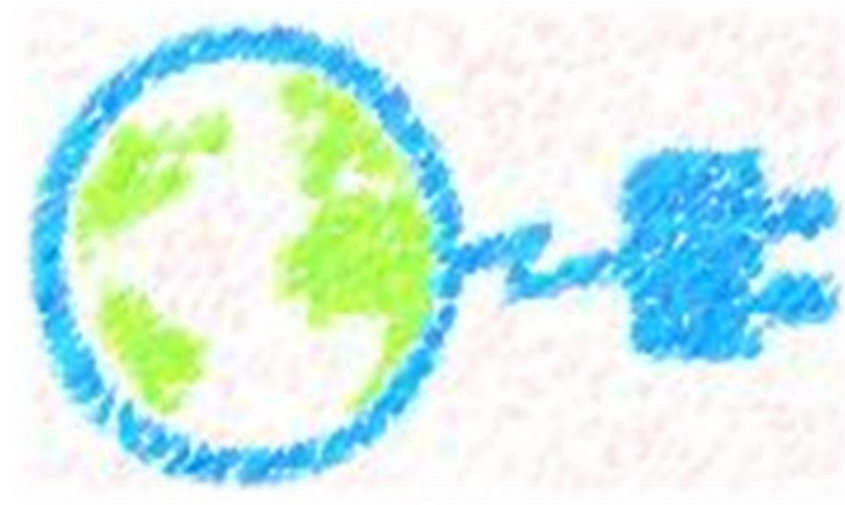
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Project Website: www.geoelec.eu

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Thank You!
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