

# 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

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**Project Website:** [www.geoelec.eu](http://www.geoelec.eu)

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**Thank You!**  
**VISIT [GEOELEC.EU](http://GEOELEC.EU)**