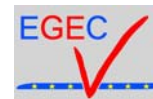


Geothermal Energy - quo vadis in Europe ?

Burkhard Sanner

European Geothermal Energy Council, Brüssel



Deep Geothermal

EGEC Deep Geothermal
Market Report 2011

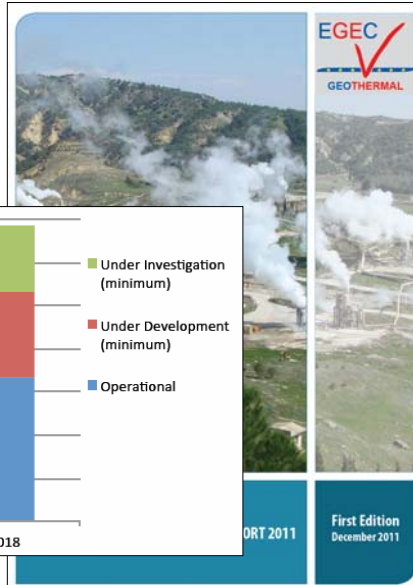
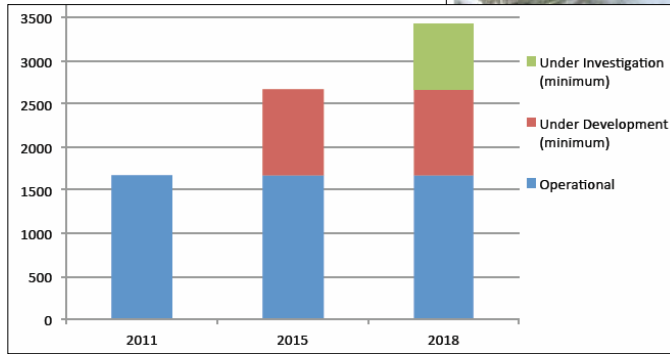


European Geothermal Energy Council



Deep Geothermal

Electricity:
Installed geothermal capacity in Europe (MW)

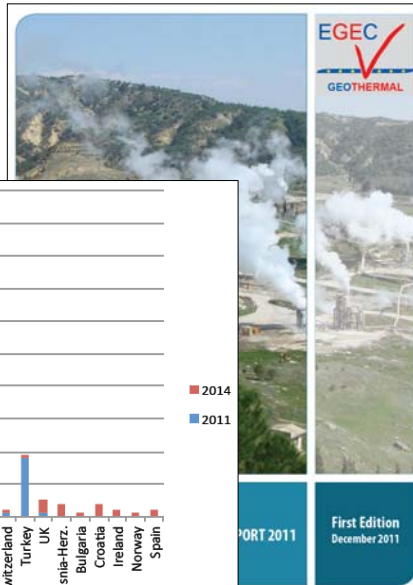
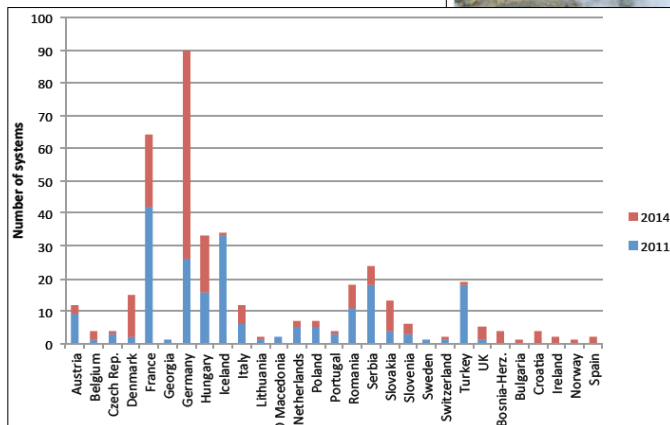


European Geothermal Energy Council

www.egec.org

Deep Geothermal

District Heating:
Number of plants

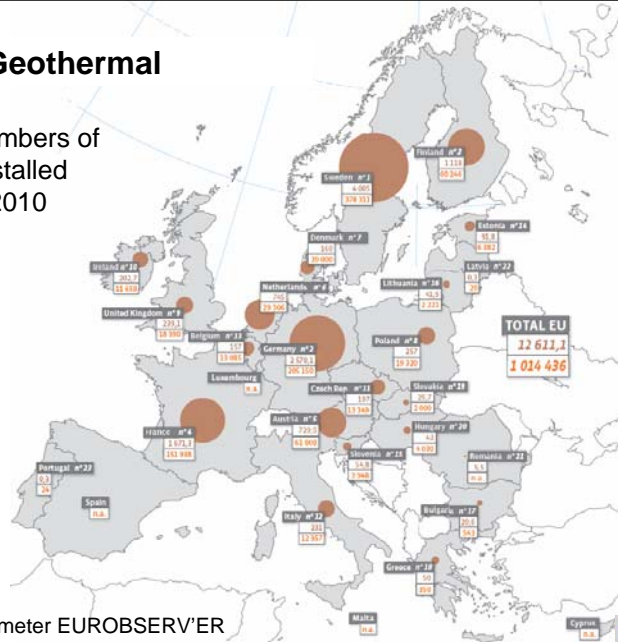


European Geothermal Energy Council

www.egec.org

Shallow Geothermal

Status of numbers of units and installed capacity in 2010



from:
Heat Pump Barometer EUROBSERV'ER
September 2011

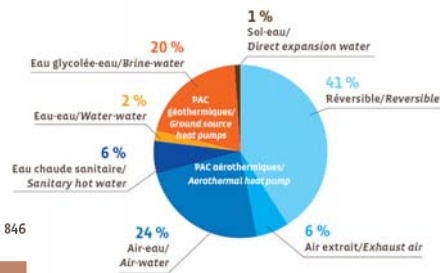
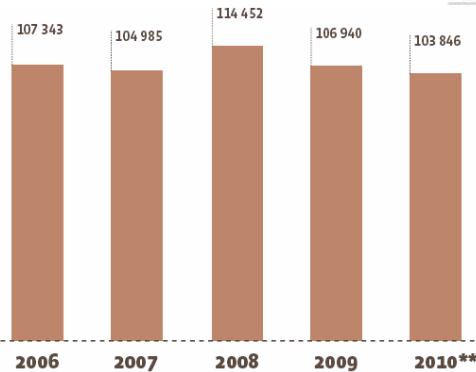
European Geothermal Energy Council



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Shallow Geothermal

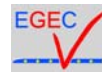
Stagnating Market in numbers of units per year (<50 kW)



Share of GSHP <25 %

from:
Heat Pump Barometer EUROBSERV'ER
September 2011

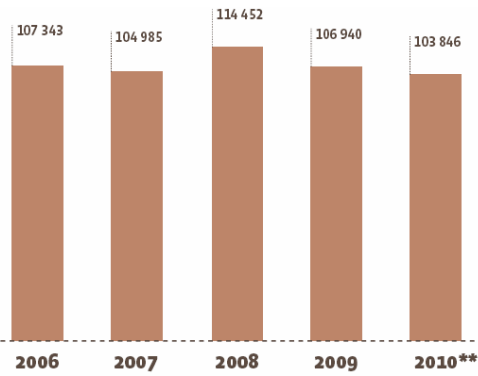
European Geothermal Energy Council



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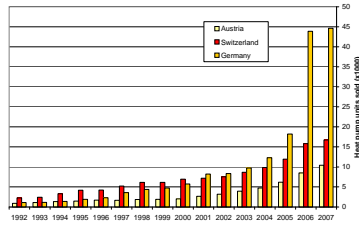
Shallow Geothermal

Stagnating Market in numbers of units per year (<50 kW)



Is a development like this a matter of the past?

Heat pump sales numbers AT-CH-DE 1992-2007



Not necessarily !

from:
Heat Pump Barometer EUROBSERV'ER
September 2011

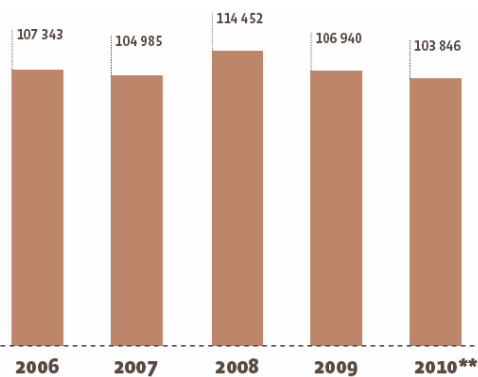
European Geothermal Energy Council



www.egec.org

Shallow Geothermal

Stagnating Market in numbers of units per year (<50 kW)



Several factors contribute to poor market performance:

- general economic situation
- saturation in old markets
- difficulties in new markets
- regulatory barriers
- etc.

from:
Heat Pump Barometer EUROBSERV'ER
September 2011

European Geothermal Energy Council



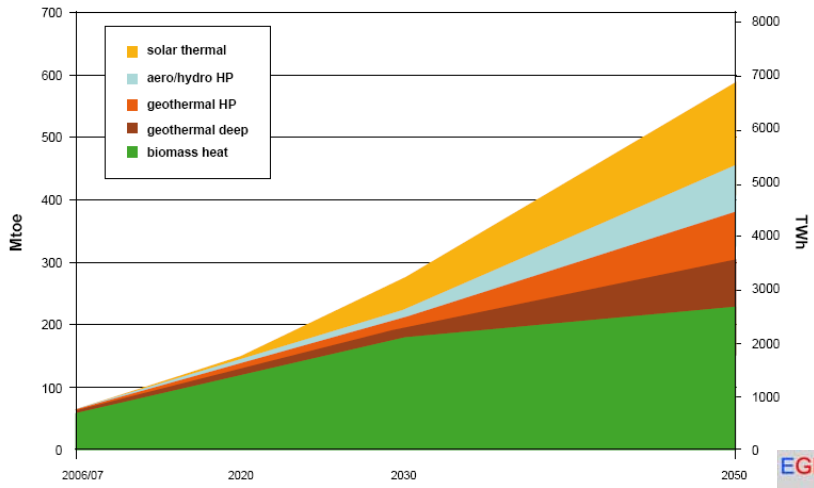
www.egec.org

Visions 2050

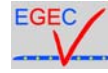


RHC Renewable Heating & Cooling
European Technology Platform

Vision for Renewable Heating



European Geothermal Energy Council



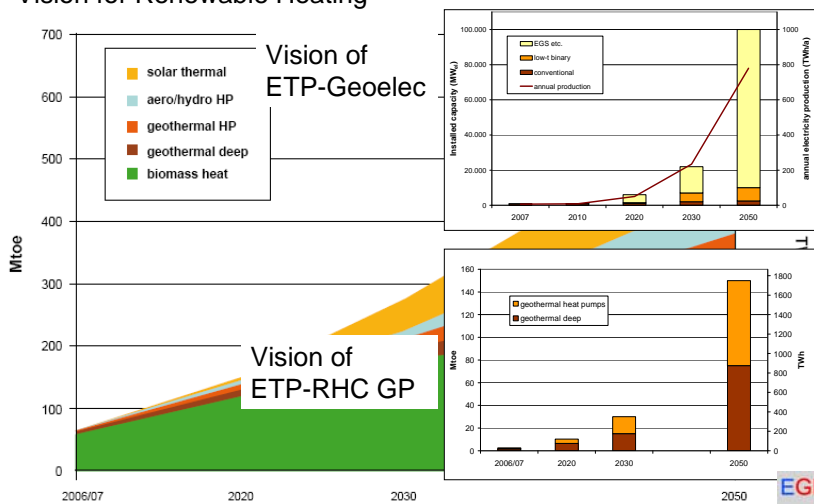
www.egec.org

Visions 2050

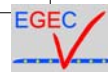


RHC Renewable Heating & Cooling
European Technology Platform

Vision for Renewable Heating



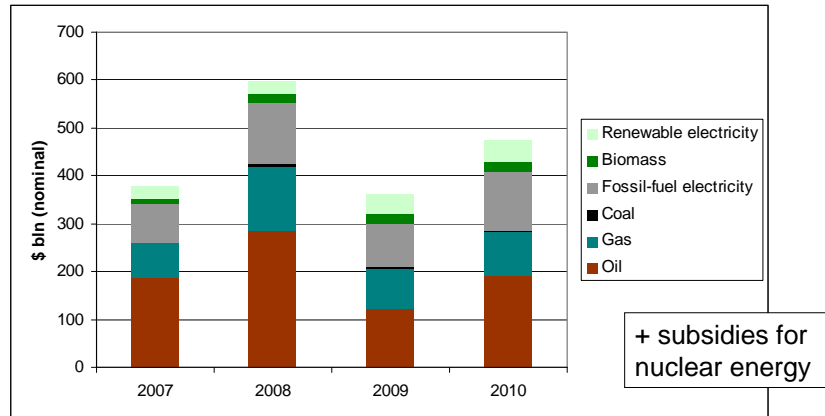
European Geothermal Energy Council



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Renewable Energies – on a level playing field ?

Subsidies for energy



(after IEA data published in the Guardian)

European Geothermal Energy Council



www.egec.org

EGEC projects

European Technology Platform for renewable heating and cooling (ETP-RHC)
www.rhc-platform.org



Meeting of the Geothermal Panel on 1.3.2012,
 13:30 in Offenburg

Annual Conference of the Platform 26.-27.4.2012



Geoelec Potential for geothermal electricity in Europe, Workshop 29.2.2012 in Offenburg
www.geoelec.eu



Geotrainet Project finished, European Training Board started 15.2.2012 in Brussels
www.geotrainet.eu



European Geothermal Energy Council

www.egec.org

Geothermal Energy in Europe

Geothermal power production will increase by about 15 % each year in the coming years

No breakthrough yet in commercialisation of EGS

Geothermal district heating has a revival and numbers will increase by about 25 % each year over the next 3 years

Shallow geothermal development ambiguous



Geothermal well in
Benedikt, Slovenia

European Geothermal Energy Council



www.egec.org