

Geothermal Energy - quo vadis in Europe ?

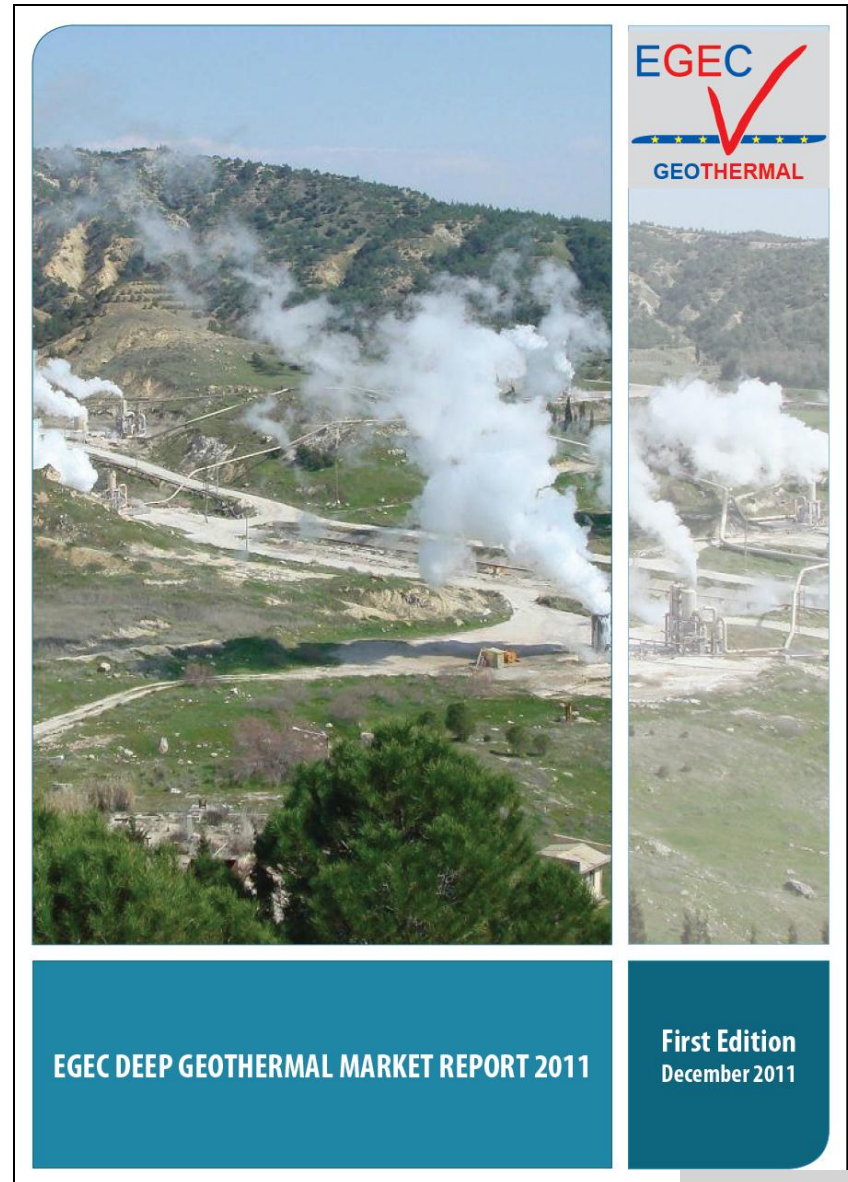
Burkhard Sanner

European Geothermal Energy Council, Brüssel



Deep Geothermal

EGEC Deep Geothermal Market Report 2011

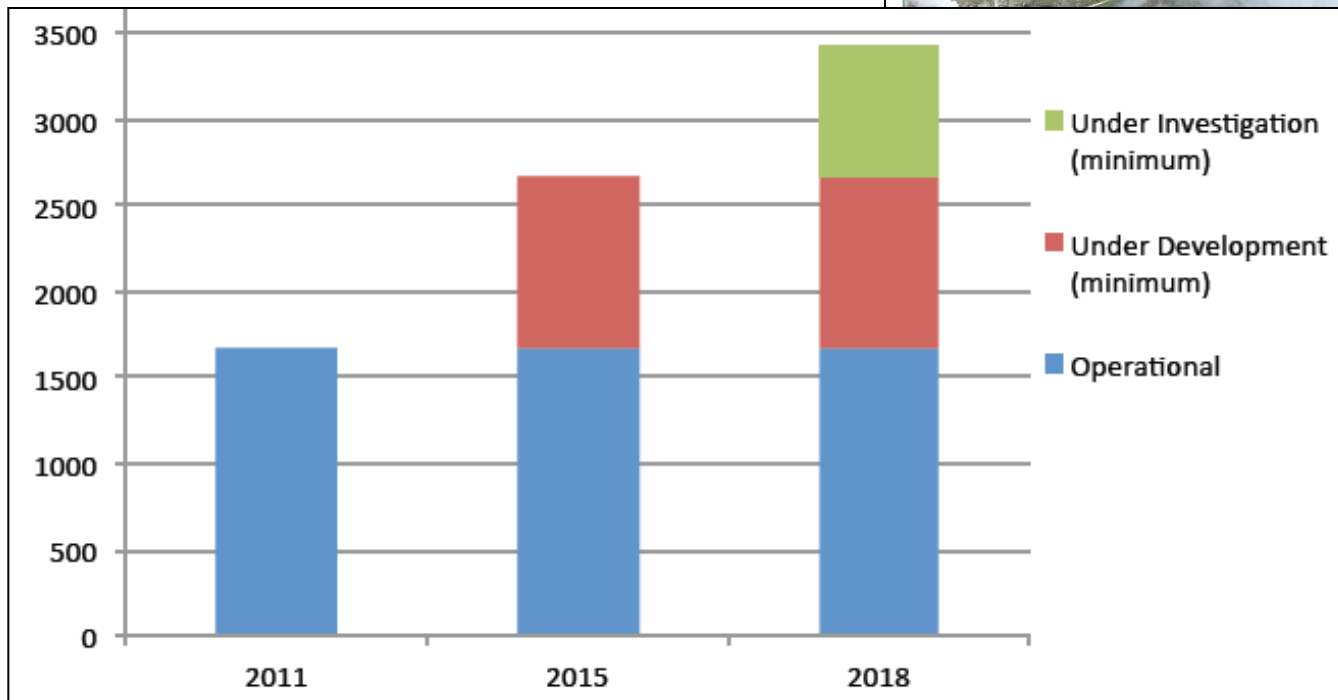


European Geothermal Energy Council



Deep Geothermal

Electricity:
Installed geothermal
capacity in Europe (MW)



EGEC
GEO THERMAL

REPORT 2011

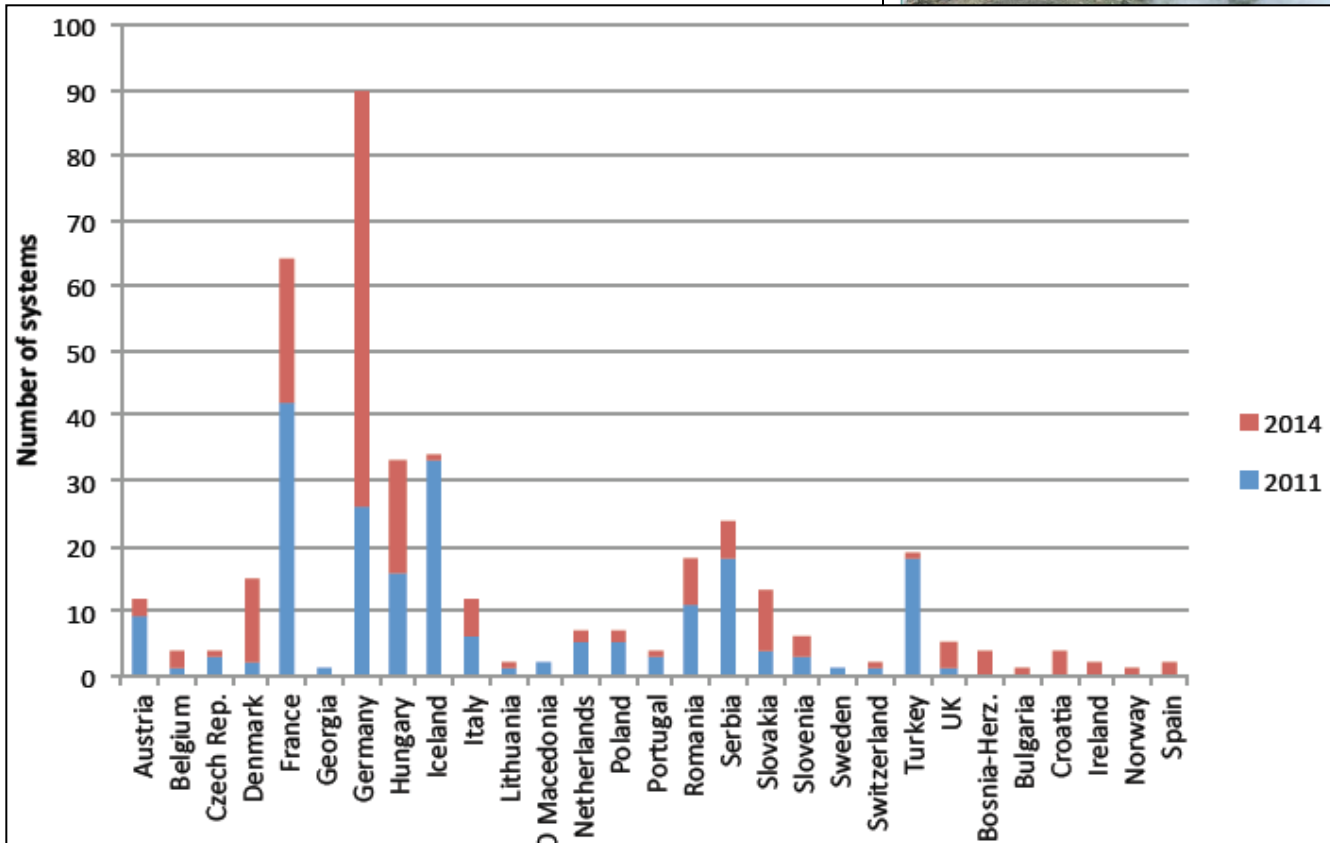
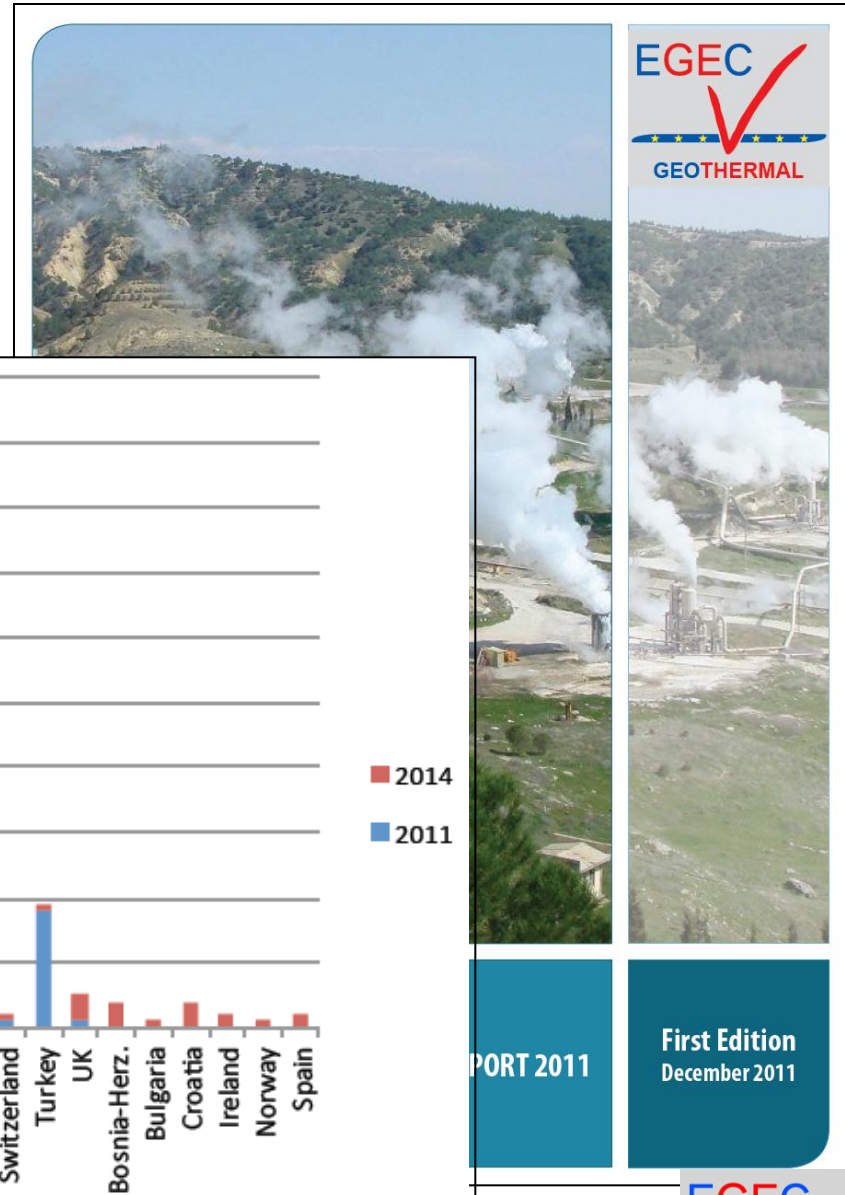
First Edition
December 2011

EGEC

European Geothermal Energy Council

Deep Geothermal

District Heating:
Number of plants

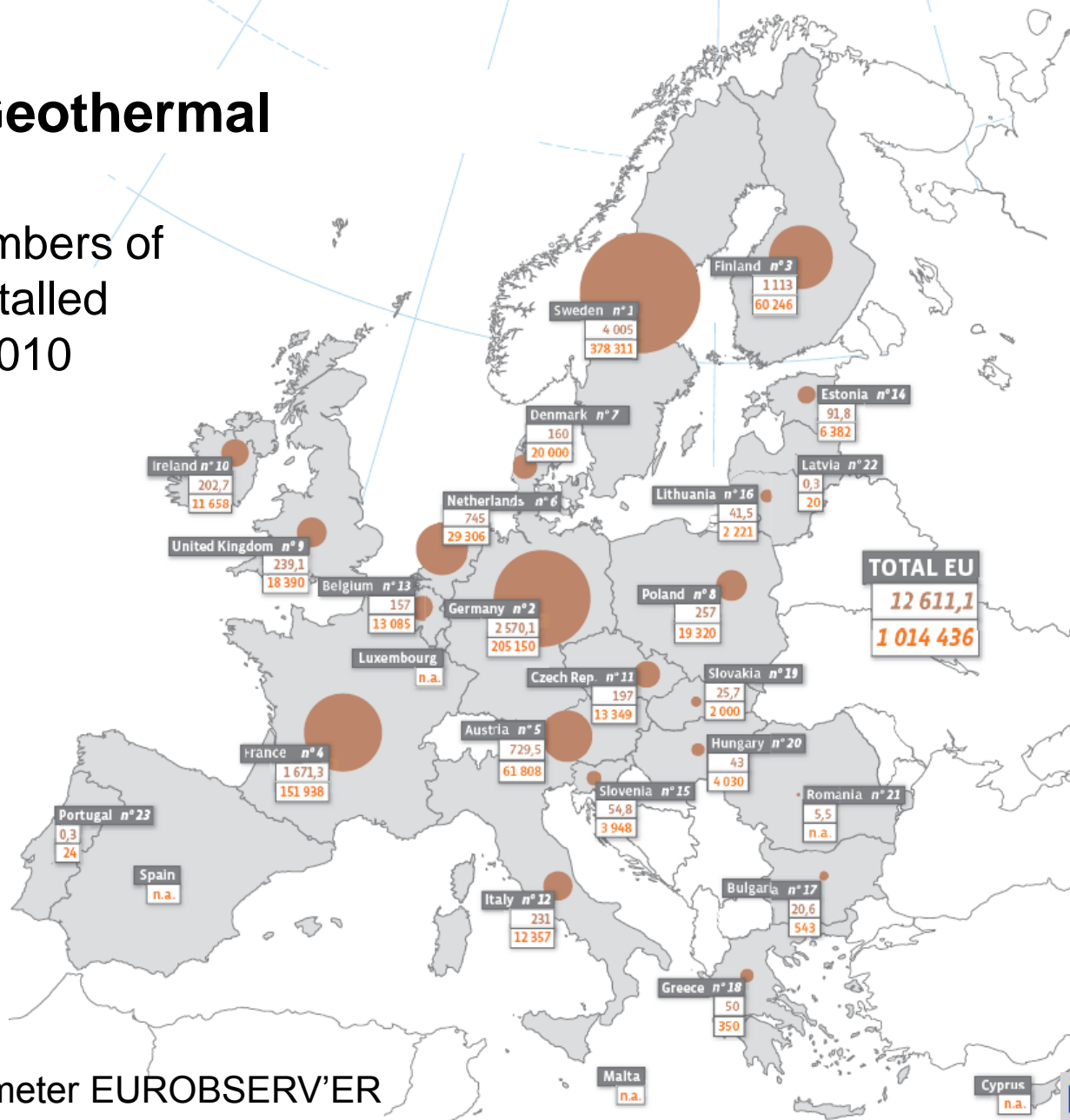


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Shallow Geothermal

Status of numbers of units and installed capacity in 2010



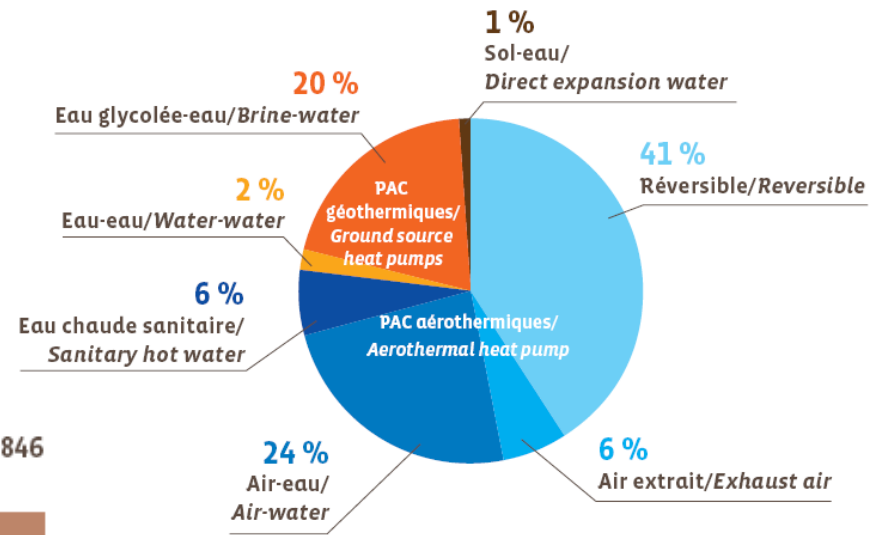
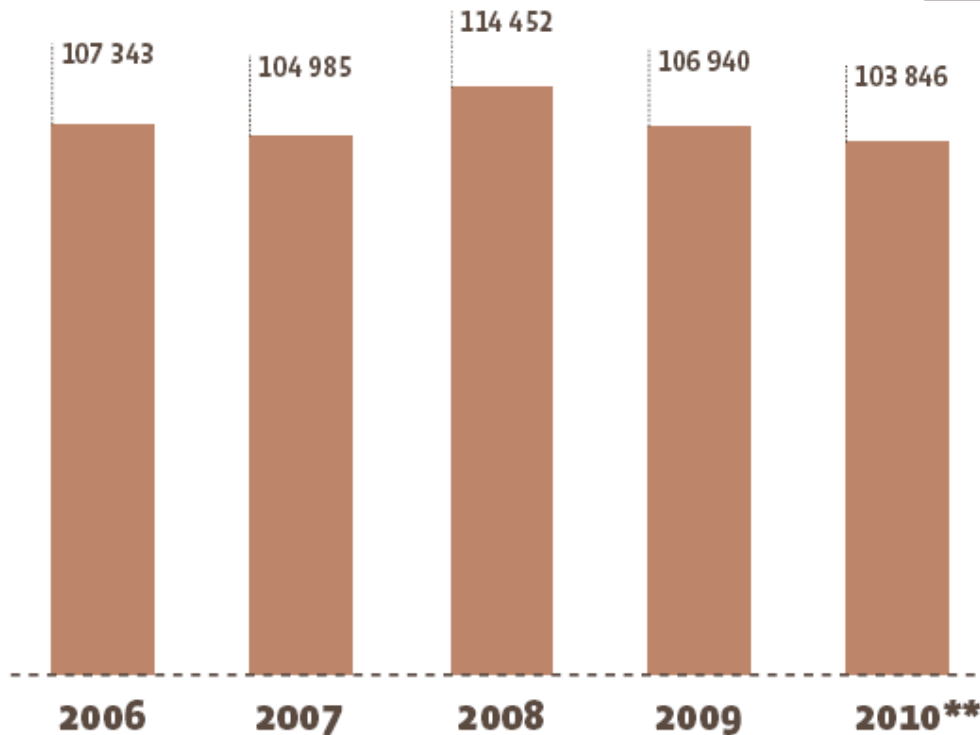
from:
Heat Pump Barometer EUROBSERV'ER
September 2011

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



Share of GSHP <25 %

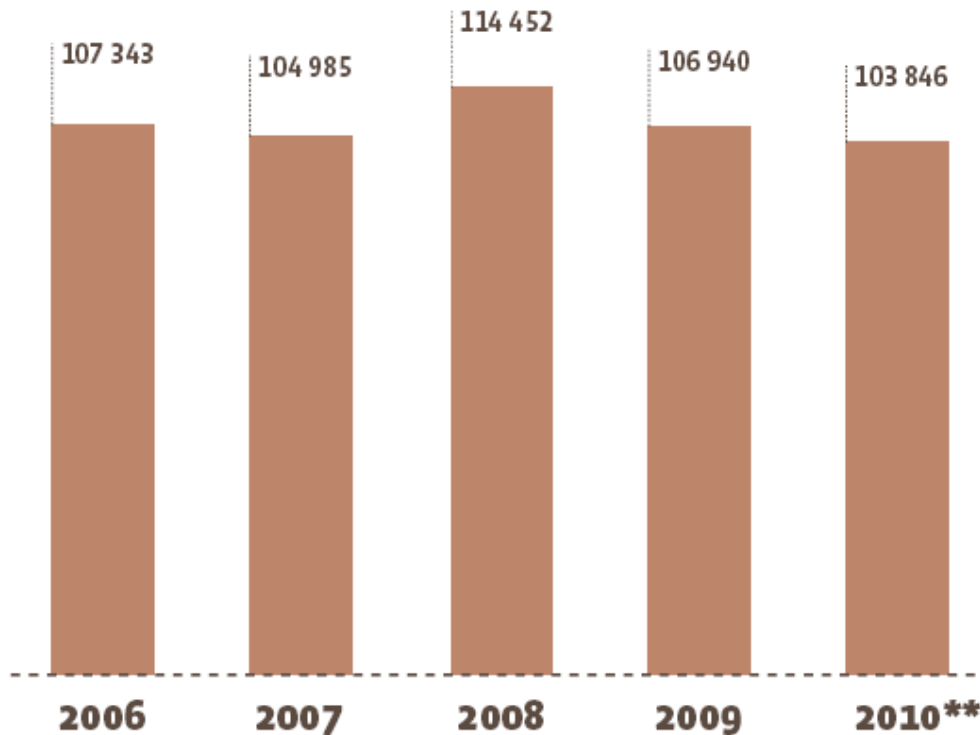
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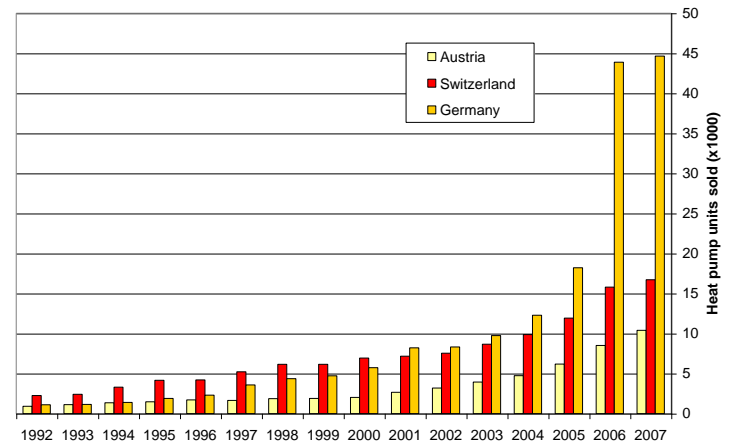
Stagnating Market in numbers
of units per year (<50 kW)



from:
Heat Pump Barometer EUROBSERV'ER
September 2011

Is a development like this
a matter of the past?

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



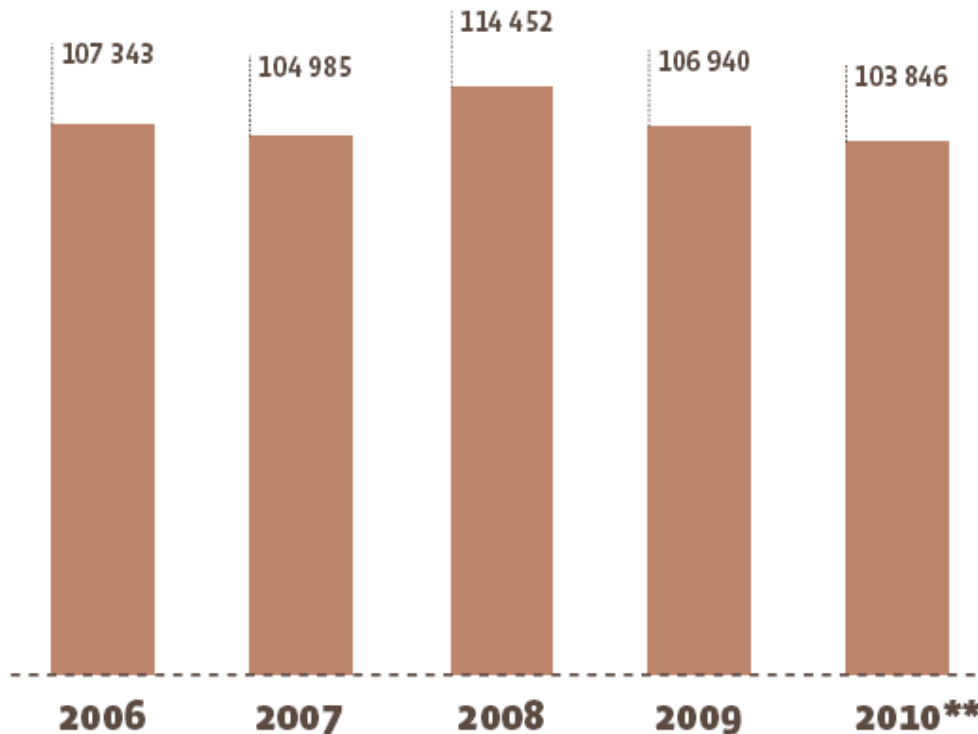
Not necessarily !

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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

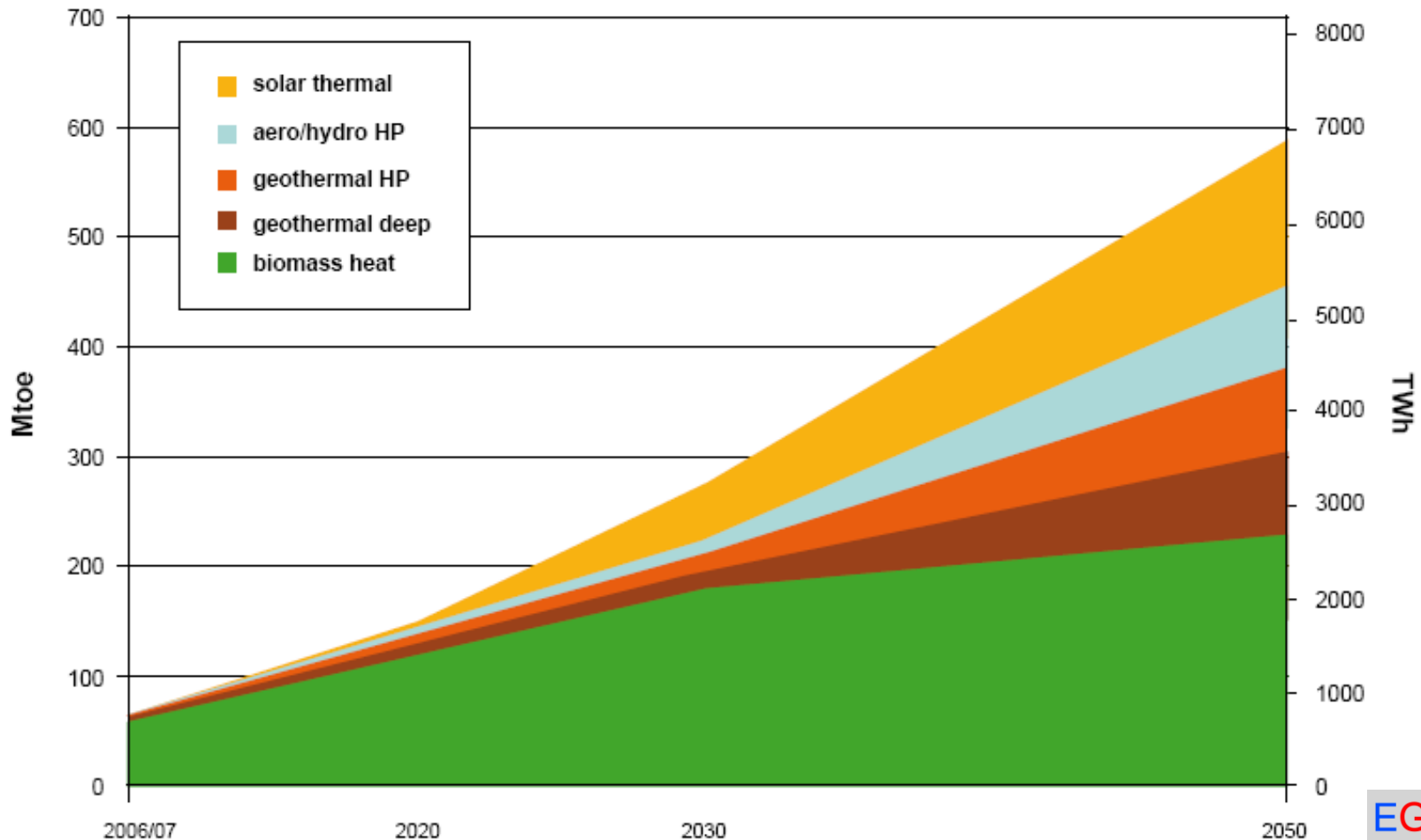
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Visions 2050



Vision for Renewable Heating



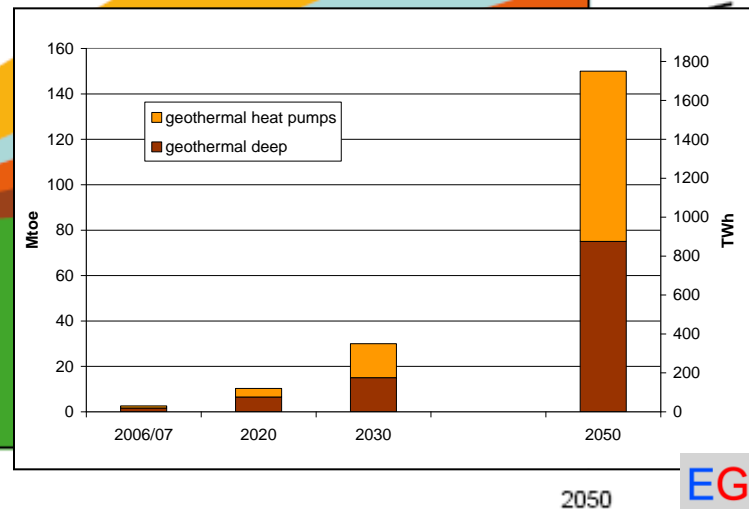
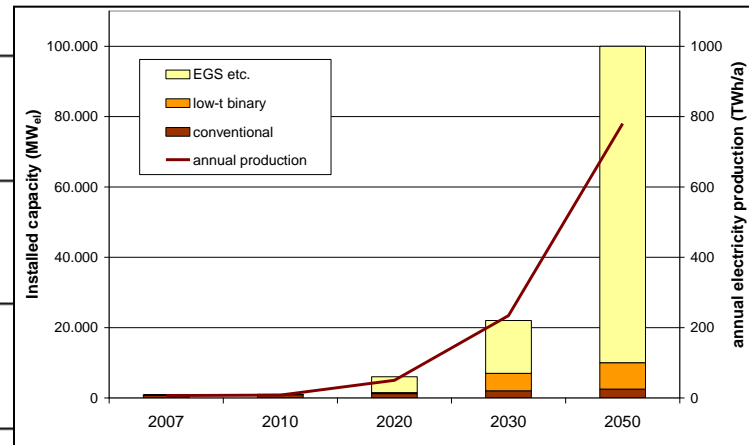
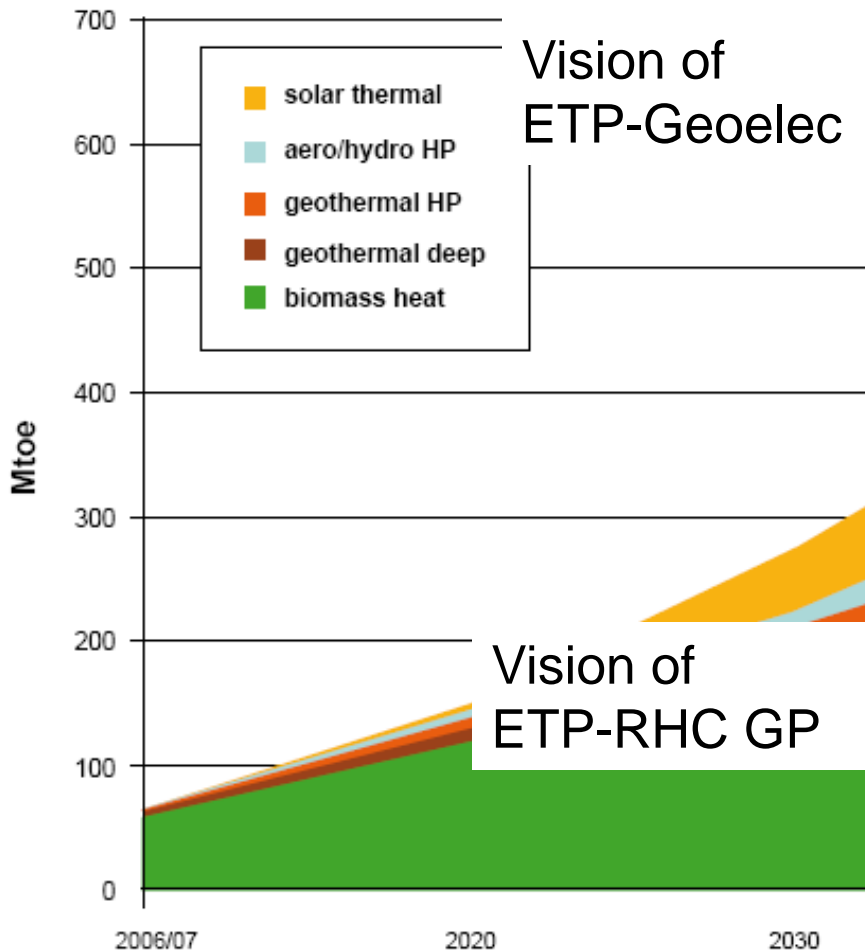
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Visions 2050

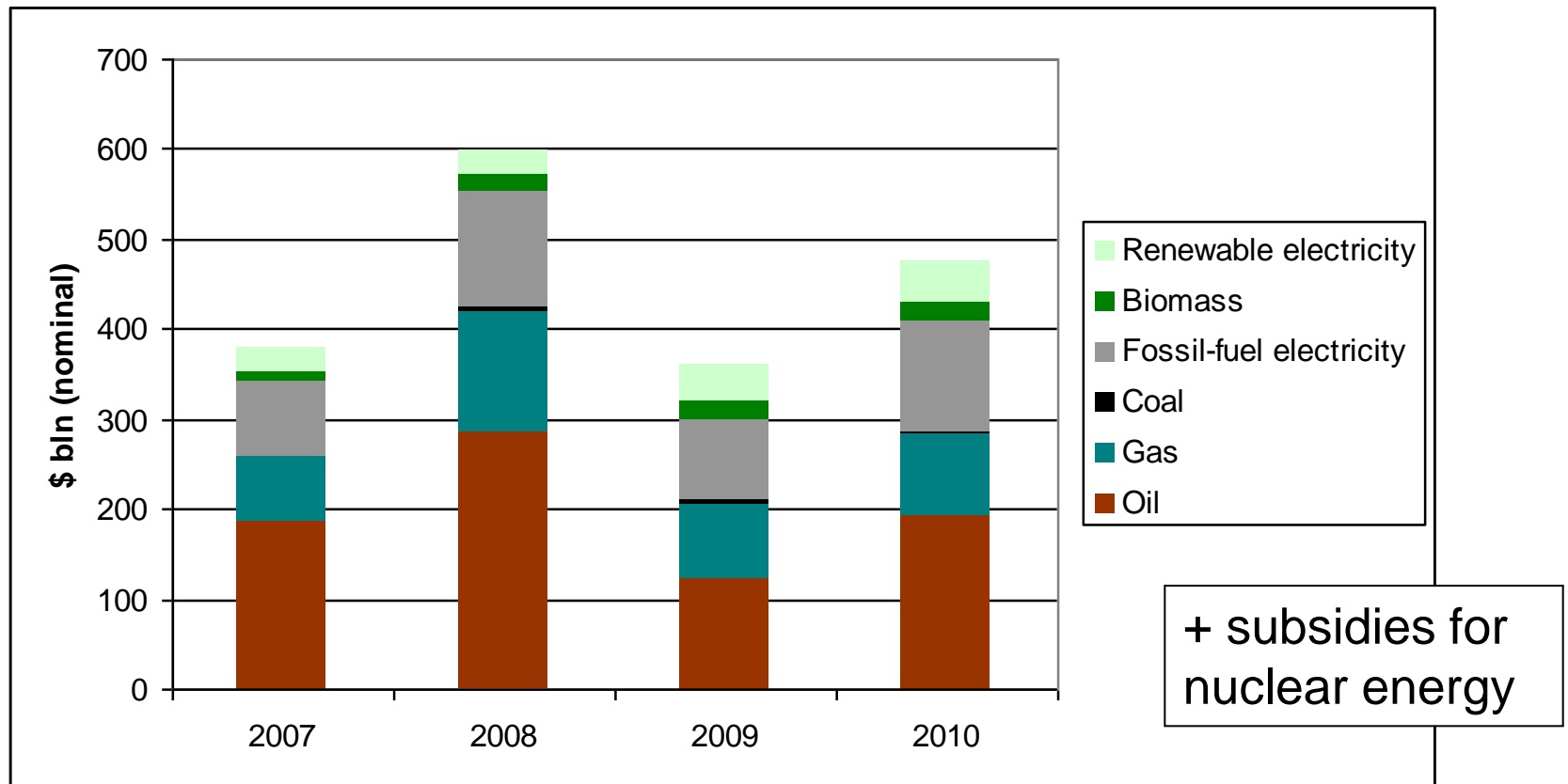


Vision for Renewable Heating



Renewable Energies – on a level playing field ?

Subsidies for energy



(after IEA data published in the Guardian)

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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



Geotrained Project finished, European Training Board started 15.2.2012 in Brussels

www.geotrained.eu



Geo-Education
for a sustainable geothermal
heating and cooling market



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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



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