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Press release

From: EurObserv'ER

Subject: **Released:**
Solar Thermal and Concentrated Solar Power Barometer
The Eurobserv'ER solar thermal barometer covers two technologies: solar hot water collectors and electricity production from solar thermal power installations



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Free download of the bi-lingual barometer
(PDF, English/French, 24 pages):
<http://www.eurobserv-er.org/pdf/baro209.asp>

Date: June 2012

Pages: 4

Key data for the 27 European Member States:

- Commercial Concentrating Solar Power (CSP) plants, end of 2011: 1151 MW (737 end of 2010)
- Cumulative solar CSP electricity production in 2011: 2029 GWh (692 GWh in 2010)
- Annual installed solar thermal surfaces (hot water) in 2011: 2585 MWth (2636 MWth in 2010)

Eurobserv'ER solar thermal barometer covers two technologies: solar hot water collectors and electricity production from solar thermal power (CSP) installations

Electricity production from solar thermal power (CSP) installations in 2011 increased with 193% compared to 2010.

Spain is still the only European Union country to have developed a large-scale CSP sector and at the end of 2011 concentrated all of Europe's commercial CSP operations within its borders, with 1151 MW of installed capacity. If we add the capacity of the four prototypes commissioned in the European Union, total European Union capacity was 1157 MW at the end of 2011. Nine commercial CSP operations went on stream in 2011 (a combined capacity of 420 MW) – all of them in Spain. Eight of them are of the parabolic trough type each with a unit capacity of 50 MW, while the ninth is a 20-MW capacity tower plant. The electricity output of all of Spain's CSP plants has been metered, according to REE (*Red Eléctrica de España*) at 2029 GWh in 2011 (692 GWh in 2010), which represents a 193.4% gain on 2010.

Country highlights:

- Spain: spearheading CSP
- France: first CSP plants planned for 2014
- Italy: laying the groundwork for CSP

Hot water collector market continued to decrease in 2011, but less than in 2010: improvements might be ahead.

The hot-water and heating-dedicated solar thermal market contracted by 1.9% in 2011. In the European Union, 3.7 million m² of solar thermal collectors were installed in 2011 compared to just under 3.8 million m² in 2010. Nonetheless, the market is a long way off its 2008 level when 4.6 million m² of collectors were installed.

The performance of the main European Union markets varies considerably. On the positive side, the German market is returning to growth, the Polish market is building up and the Greek market is holding up well. On the downside, the Spanish, Italian, French, Austrian and Czech markets are shrinking.

Country highlights for solar thermal water heating:

- Germany: the market returns to growth
- Italy: facing difficulties
- Poland: market boosted by gas price increase
- France: Heat Fund boosts the solar thermal in collective accommodation

Besides the 2011 realisations per EU Member State other subjects that are discussed in the new barometer are:

- Renewable energy policies
- Industry overview
- Comparison with National Renewable Energy Action Plans

For additional information on renewable energy issues (data referring to 2010, among others EU Member State renewable energy employment, turnover and realisations) see also the annual EurObserv'ER publication '*The State of Renewable Energies in Europe*', 2011 edition: <http://www.eurobserv-er.org/pdf/bilan11.asp> (January 2012, PDF, English/French language, 248 pages, 12.7 MB).

Note: the interactive database on the website (click on 'Interactive EurObserv'ER Database' on the www.eurobserv-er.org homepage) allows you to download the Barometer data separately. This will allow you to create your own graphs to be used in your publication.

See also the EurObserv'ER policy files at www.eurobserv-er.org/policy.asp for an overview of renewable energy policies in all 27 EU Member States for all technologies

About the EurObserv'ER Barometer

The EurObserv'ER Barometer regularly publishes indicators reflecting the current dynamics in renewable energies (solar, wind, hydropower, geothermal and biomass, biogas, biofuels) worldwide and within the European Union.

Barometers published are all available for download. Direct links to all 2010/2011/2012 EurObserv'ER publications:

Solar Thermal Barometer

(June 2012, PDF, 24 pages, English/French language):

<http://www.eurobserv-er.org/pdf/baro209.asp>

Solar Photovoltaic Barometer

(April 2012, PDF, 24 pages, English/French language, 4.3 MB):

<http://www.eurobserv-er.org/pdf/baro208.asp>

Wind Power Barometer

<http://www.eurobserv-er.org/pdf/baro207.asp>

(February 2012, PDF, English/French, 28 pages, 4.6 MB):

'The State of Renewable Energies in Europe', 2011 edition:

<http://www.eurobserv-er.org/pdf/bilan11.asp>

(January 2012, PDF, English/French language, 248 pages, 12.7 MB)

Barometer on Solid Biomass

<http://www.eurobserv-er.org/pdf/baro206.asp>

(November 2011, PDF, English/French language, 20 pages, 3.6 MB)

Ground source Heat Pump Barometer

(September 2011, PDF, English/French language, 20 pages, 2.6 MB)

<http://www.eurobserv-er.org/pdf/baro205.asp>

Biofuels Barometer

(July 2011, PDF, English/French language, 26 pages, 3.6 MB)

<http://www.eurobserv-er.org/pdf/baro204.asp>

Renewable Municipal Waste Barometer

(December 2010, PDF, 14 pages, English/French language, 2.4 MB)

<http://www.eurobserv-er.org/pdf/baro200a.asp>

Biogas Barometer

(December 2010, PDF, 16 pages, English/French language, 1.4 MB)

<http://www.eurobserv-er.org/pdf/baro200b.asp>

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