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Press release

NEW: From now on, the EurObserv'ER thematic barometers will be published in unilingual versions: French and English Barometers will be separate documents. All versions are freely downloadable at: www.eurobserv-er.org/downloads.asp

From: EurObserv'ER

Subject: **Released: wind power barometer**
Global, European and offshore wind power figures, policy developments and industry news for 2013

http://www.eurobserv-er.org/pdf/baro-jde14_en.asp
(PDF, English, 14 pages, 2.8 MB)

Date: February 2014

Pages: 3

Key data for the European Union (EU) in the year 2013:

- Wind power capacity installed in EU during 2013: 11.3 GW (12.7 GW in 2012)
- Cumulative European Union wind power capacity at end of 2013: 117.7 GW (106.8 GW end 2012)
- Growth of the total wind power capacity in the European Union (EU) from 2012 to 2013: 10.2%
- Electricity production from wind power: 234.4 TWh in 2013 (203.5 TWh in 2012)
- Offshore wind power capacity installed in EU during 2013: 1.6 GW
- Cumulative EU offshore wind power capacity at end of 2013: 6949.2 MW (5176.3 MW end 2012)
- Wind power capacity installed worldwide at the end of 2013: 318.6 GW (283.4 GW in 2012)
- Shares of the world wind turbine market in 2013: Asia 51.2%, Europe 34.1%, North America 9.3%

New EurObserv'ER Barometer: Wind Power

With 11.3 GW installed during 2013, of which 1.6 GW offshore, the European Union internal wind power market slowed down in 2013 compared to the year before (total installed capacity in 2012: 12.7 GW). Cumulative installed capacity across the EU at the end of 2013 stood at 117.7 GW. EurObserv'ER estimates the 2013 electricity generation from wind power at 234.4 TWh.

The European Union internal market slowed down in 2013: according to EurObserv'ER, the EU, which now includes Croatia, connected 11264 MW to the grid compared to about 12700 MW in 2012, i.e. an 11.3% drop. If the wind turbines taken out of service are excluded from the figure, installed capacity to date across the EU at the end of 2013 stood at 117730 MW (+10.2% compared to 2012).

The size of the European sector is increasingly visible when installed capacity is related to the number of inhabitants. It now stands at 233 kW per 1000 inhabitants in the EU. This indicator draws up a new hierarchy that reflects the real importance of wind energy in a country. The top three EU countries are Denmark (852 kW/1000 inhabitants), Spain (492 kW/1000 inhabitants) and Sweden (468 kW/1000 inhabitants). Portugal, Ireland and Germany can be associated with this group of leaders, as they are pulling away from the other Member States on this indicator.

In 2013, almost 1.5 out of every 10 MW of capacity was installed offshore. EurObserv'ER puts the offshore capacity that went on-grid over the twelve months at 1626.9 MW, which takes the EU's total offshore fleet capacity to 6949.2 MW (provisional figure). Countries involved in offshore wind are: United Kingdom, Denmark, Belgium, Germany, the Netherlands, Sweden, Finland, Ireland, Portugal and Spain.

The increase in onshore and offshore production capacities made itself felt by the increase in the wind power share of electricity output in the European Union electricity mix. EurObserv'ER estimates this increase at 15.2% between 2012 and 2013, with a total of 234.4 TWh in 2013. Thus wind power accounts for roughly 7.2% of Europe's electricity output of 3270 TWh compared to 6.2% in 2012. The development of offshore wind power whose load factors are much higher than those of onshore wind power are particularly responsible for this increase.

Besides the 2013 realisations per EU Member State other subjects that are discussed in the new barometer are:

- Selected country reviews
- Renewable energy policy
- Industry overview
- Comparison with National Renewable Energy Action Plans

For additional information on renewable energy issues (data referring to 2012, among others EU Member State renewable energy employment, turnover and investments) see also the annual EurObserv'ER publication '*The State of Renewable Energies in Europe*', 2013 edition: <http://www.eurobserv-er.org/pdf/bilan13-gb.asp> (PDF, English, 200 pages, 12 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.

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 2014/2013/2012 EurObserv'ER publications:

Wind Power Barometer
(February 2014, PDF, English, 14 pages, 2.8 MB)
http://www.eurobserv-er.org/pdf/baro-jde14_en.asp

'The State of Renewable Energies in Europe', 2013 edition
(January 2014, PDF, English language, 200 pages, 12 MB)
<http://www.eurobserv-er.org/pdf/bilan13-gb.asp>

Solid Biomass Barometer
(December 2013, PDF, English language, 14 pages, 2.9 MB)
http://www.eurobserv-er.org/pdf/baro219_en.asp

Heat Pump Barometer
(October 2013, PDF, English language, 18 pages, 2.5 MB)
<http://www.eurobserv-er.org/pdf/baro218.asp>

Biofuels Barometer
(July 2013, PDF, English language, 16 pages, 3.1 MB)
http://www.eurobserv-er.org/pdf/baro216_en.asp

Solar Thermal Barometer
(June 2013, PDF, 27 pages, English/French language, 3.6 MB):
<http://www.eurobserv-er.org/pdf/baro215.asp>

Solar Photovoltaic Barometer
(April 2013, PDF, 24 pages, English/French language, 2.0 MB):
<http://www.eurobserv-er.org/pdf/baro-jdp9.asp>

Biogas Barometer
(December 2012, PDF, English/French language, 14 pages, 2.0 MB)
<http://www.eurobserv-er.org/pdf/baro212biogasEu.asp>

Renewable Municipal Waste Barometer
(December 2012, PDF, English/French language, 12 pages, 1.9 MB)
<http://www.eurobserv-er.org/pdf/baro212mswEu.asp>

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