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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 2014

http://www.energies-renouvelables.org/observ-er/stat_baro/observ/barojde16_WindEnergy_EN.pdf

(PDF, English, 16 pages)

Date: March 2015

Pages: 4

WIND ENERGY BAROMETER



Key data for the European Union (EU) in the year 2014:

- Wind power capacity installed in EU during 2014: 12.4 GW
- Cumulative European Union wind power capacity at end of 2014: 130.4 GW (118.4 GW end 2013)
- Growth of the total wind power capacity in the European Union (EU) from 2013 to 2014: 10.1%
- Electricity production from wind power: 247.0 TWh in 2014 (234.4 TWh in 2013)
- Offshore wind power capacity installed in EU during 2014: 2.25 GW
- Cumulative EU offshore wind power capacity at end of 2014: 9243 MW (6993 MW end 2013)

- Wind power capacity installed worldwide at the end of 2014: 371.2 GW (319.6 GW in 2013)
- Shares of world wind turbine market in 2014: Asia 50.2%, Europe 25.8%, North America 13.9%

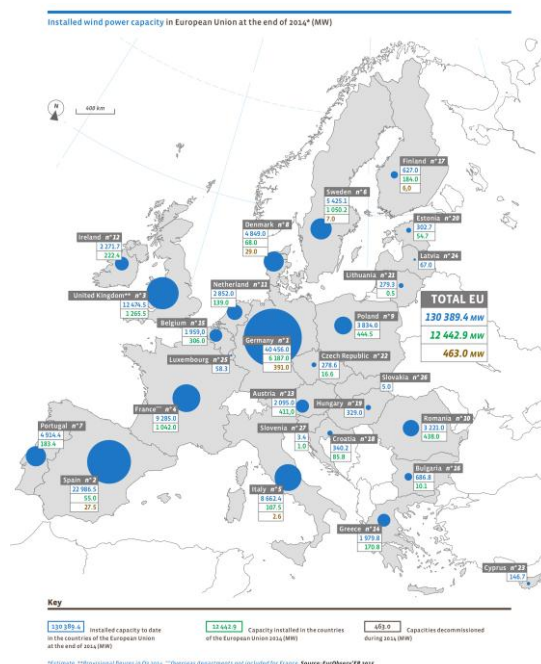
New EurObserv'ER Barometer: Wind Power

The 2014 global wind energy market surged and set a new record after the previous year's slowdown. More than 52 GW of capacity was installed across the world compared to a little less than 37 GW in 2013. Global wind energy took a 41.4% leap in 2014 to culminate in more than 371 GW of installed capacity.

The European electricity sector's crisis did not prevent the European Union from improving slightly on its 2012 record to set a new wind energy capacity installation record. However the trend does not signal steady sustained increase in capacity installation, which has hovered around the 12 GW mark since 2012. This apparent market stability conceals sharp country divergences.

The per capita wind energy capacity indicator that makes abstraction of a country's size is more representative of the real importance of wind energy. The ranking changed between 2014 and 2013. While Denmark is still in first place with 862 kW/k inhabitants, it is now followed by Sweden (562 kW/k inhab.) and Germany (501 kW/k inhab.). Spain (494 kW/k inhab.) has been relegated to fourth place with Ireland and Portugal close at its heels.

Only three EU countries – Germany, the UK and Belgium – added to their offshore wind energy capacity in 2014. Germany had the highest installation figure, while the UK hooked up the greatest amount of offshore capacity over the twelve months. On this basis the European Union year-on-year offshore wind energy installation increase was at least 2 250 MW in 2014, compared to the 1 817 MW year-on-year increase in 2013. This would put the EU's installed offshore capacity to date at 9 243 MW by the end of 2014, which equates to 7.1% of its total wind energy capacity.



The increase in the EU's installed capacity naturally led to a rise in wind power output. The data available to EurObserv'ER indicates that output only rose by 5.3% in 2014 to 247 TWh. This is a much slower pace than the previous year, when the wind conditions across Southern Europe were much more favourable. Nonetheless wind energy's share of the EU electricity mix increased and should stand at 7.5% of electricity consumption compared to 7.1% in 2013. The leading wind energy producers are Germany (56 TWh), Spain (51.1 TWh) and the UK (31.5 TWh).

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 2013, 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', 2014 edition: http://www.energies-renouvelables.org/observ-er/stat_baro/barobilan/barobilan14_EN.pdf (PDF, English, 200 pages).

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 2015, PDF, English, 16 pages)

http://www.energies-renouvelables.org/observ-er/stat_baro/observ/baroide16_WindEnergy_EN.pdf

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Copy it to your web browser manually!

'The State of Renewable Energies in Europe', 2014 edition

(January 2014, PDF, English language, 200 pages)

http://www.energies-renouvelables.org/observ-er/stat_baro/barobilan/barobilan14_EN.pdf

Solid Biomass Barometer

(December 2014, PDF, English language, 14 pages)

http://www.energies-renouvelables.org/observ-er/stat_baro/observ/baro225_en.pdf

Biogas Barometer

(November 2014, PDF, English language, 12 pages)

www.energies-renouvelables.org/observ-er/stat_baro/observ/baro224_Biogas_en.pdf

Renewable Municipal Waste Barometer

(November 2014, PDF, English language, 10 pages)

http://www.energies-renouvelables.org/observ-er/stat_baro/observ/baro224_Dechets_en.pdf

Biofuels Barometer

(July 2014, PDF, English language, 14 pages)

http://www.eurobserv-er.org/pdf/baro222_en.asp

Solar Thermal Barometer (CSP and solar water heaters)

(May 2014, PDF, 18 pages, English language, 3.6 MB)

http://www.eurobserv-er.org/pdf/baro221_en.asp

Solar Photovoltaic Barometer

(April 2014, PDF, 16 pages, English language, 2.9 MB)

http://www.eurobserv-er.org/pdf/baro-jdp11_en.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>

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