



# Wind power revival in the EU-28: over 12 GW of new capacity installed in 2019

## EurObserv'ER releases 2020 wind energy barometer

Free Download: <https://www.eurobserv-er.org/category/all-wind-energy-barometers/>

Paris, 19<sup>th</sup> March 2020

### Key data for European Union (EU) wind energy in 2019

12.2 GW	New wind power capacity installed in EU during 2019 (10.9 GW in 2018)
191.5 GW	Cumulative wind power capacity in the EU at end of 2019 (179 GW in 2018)
426 TWh	Electricity production from wind power in the EU in 2019 (377 TWh in 2018)
3 GW	New offshore wind power capacity (EU) during 2019 (2.97 GW in 2018)
21.8 GW	Cumulative offshore wind power capacity (EU) at the end of 2019 (18.8 GW in 2018)

### Main findings of the 2020 EurObserv'ER Wind Energy Barometer

2019 was a good year for the global wind market, which expanded in its three main zones, namely China, the United States and Europe. The European Union's additional capacity was more than 12 GW (including onshore and offshore plants) compared to just below 11 GW in 2018 (note that these figures consider the UK's capacity as it was still a Member State in 2019). If we subtract the year's decommissioned wind turbine capacity (208 MW according to EurObserv'ER), the net addition was 12 030.3 MW in 2019 (10 906.5 MW in 2018), taking the European Union's wind turbine base to 191 509.2 MW

### Trends in global wind energy

Global installed wind capacity grew significantly in 2019. GWEC analysts forecast an addition of 58–71 GW of new capacity, compared to 51.3 GW in 2018. If these figures are attained, the addition could amount to the highest wind energy total ever commissioned in a single year. This trend can mostly be ascribed to positive growth in China, North America and Europe as well as remarkable worldwide growth in the offshore wind segment. Wind energy will have made by far the highest contribution to the increase in renewably-sourced energy production over the past decade. Between 2010 and 2019, this figure totals up to an additional 23.7 million tonnes oil equivalent (Mtoe) (an additional 275.8 TWh, of non-normalized output) for the EU-28. At the scale of the European Union of 27, this figure amounts to more than 19.1 Mtoe (an additional 222.7 TWh, non-normalized output).

### EU offshore sector retains its global leadership role

According to our barometer, the newly-installed capacity figure for the EU in 2019 (which at the time still had 28 Member States) was about 3 050 MW. With these new wind turbines connected to the grid the total cumulative European offshore capacity almost reached the threshold of the 22 GW at the end of 2019 (21.8 GW). This activity allowed the EU offshore sector to retain its global leadership role as the sector's global capacity topped at 27 GW last year.



The next Barometer will cover the topic:

## PHOTOVOLTAIC ENERGY

### Links and free downloads

- **REPORT:** “The State of renewable energies in Europe”, 19th edition, <https://www.eurobserv-er.org/19th-annual-overview-barometer>
- **EurObserv’ER DATABASE:** <https://www.eurobserv-er.org/online-database>
- All **GRAPHS** <https://www.eurobserv-er.org/press-corner-graphs-and-tables>
- Follow us on **TWITTER**, [https://twitter.com/EurObserv\\_ER](https://twitter.com/EurObserv_ER)
- **ALL PRESS RELEASES**, <https://www.eurobserv-er.org/download-press-releases>

Further Information and subscription to newsletter: <https://www.eurobserv-er.org>



This project is funded  
by the European Union under  
contract n° ENER/C2/2016-487/SI2.742173

For further information, please contact:

Ms Diane Lescot  
Observ’ER  
146, rue de l’Université  
75007 Paris / France  
Tel: +33 (0) 1 44180080  
Email : [diane.lescot@energies-renouvelables.org](mailto:diane.lescot@energies-renouvelables.org)

### About EurObserv’ER

Since 1999, EurObserv’ER regularly publishes market reports (Barometers) containing energy data reflecting dynamics in renewable sources of energy in 10 sectors (solar PV, wind, hydropower, geothermal energy, biogas, solid biomass, biofuels, heat pumps, small hydro, renewable waste) within the EU-28 and worldwide.

### Note for editors

Suggested report citation: EurObserv’ER 2020: “State of renewable energies in Europe”, 19<sup>th</sup> edition, <https://www.eurobserv-er.org/18th-annual-overview-barometer>. We appreciate receiving a short reference when EurObserv’ER data is used in an article, report, news, or website. Please send an e-mail to [diane.lescot@energies-renouvelables.org](mailto:diane.lescot@energies-renouvelables.org).

### Disclaimer

This barometer was prepared by Observ’ER in the scope of the EurObserv’ER project, which groups together Observ’ER (FR), TNO Energy Transition (NL), the Renewables Academy (RENAC, DE), Frankfurt School of Finance and Management (DE), Fraunhofer-ISI (DE) and Statistics Netherlands (CBS, NL). The information and views set out in this publication are those of the author(s) and do not necessarily reflect the official opinion of the Commission. The Commission does not guarantee the accuracy of the data included in this study. Neither the Commission nor any person acting on the Commission’s behalf may be held responsible for the use which may be made of the information contained therein.