



Press Release

EU could be the global leader in Ocean Energy by 2030

First EurObserv'ER Barometer released dedicated to Ocean Energy

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Paris, November 2019

Key data for the EU Ocean Energy sector

243.4 MW	European Union's official renewable on-grid ocean energy capacity end of 2018
489.3 GWh	Electricity output from EU ocean energy installations
100 GW	Potential ocean and wave energy deployed in EU waters by 2050

10 countries and an industry waiting for a commercial breakthrough

Ocean energy covers a wide range of different conversion technologies

Tidal range energy

Tidal stream energy

Wave energy

Ocean Thermal Energy conversion (heat)

Salinity gradient energy (osmosis)

In 2018, 24 wave energy converter projects and 18 tidal stream projects were found in respectively 9 and 5 European Union Member States.

Operational ocean energy systems can be found in France, the UK, Spain, The Netherlands, Sweden, Portugal, Italy, Denmark, Belgium and Greece. Over the coming decade a sharp technology cost reduction can be expected.

Advanced research and many test plants

45 pre-commercial prototypes and demonstrators exist throughout the European Union in 2018 (some of which may have been decommissioned since then). Behind the UK and France, eight other European Union coastal countries are developing innovative prototypes and demonstrators. Many research projects receive substantial support from the European Commission via the Horizon 2020, NER 300, or the European Interreg programmes.

The next EurObserv'ER barometer will cover: **SOLID BIOMASS**



Links and free downloads

REPORT: [“The State of renewable energies in Europe”](#), 18th edition,
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For further information, please contact:
Ms Diane Lescot
Observ'ER
146, rue de l'Université
75007 Paris / France
Tel : +33 (0) 1 44180080
E-mail : diane.lescot@energies-renouvelables.org

About EurObserv'ER

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

Note for editors

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This barometer was prepared by Observ'ER in the scope of the EurObserv'ER project, which groups together Observ'ER (FR), ECN part of TNO (NL), the Renewables Academy (DE), Frankfurt School of Finance and Management (DE), Fraunhofer-ISI (DE) and Statistics Netherlands (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.