## THE STATE OF RENEWABLE ENERGIES IN EUROPE, **20TH EDITION**



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The EurObser'ER project has released its annual report: The state of renewable energies in Europe. Dedicated CHAPTERS and KEY DATA include:

Energy indicators (installed RE capacity, energy production, energy storage, RES in buildings)

ES share in total EU gross final energy consumption in 2020 (19.9% in 2019)

**RES-E share** in gross EU-27 **electricity consumption** in 2020 (34.1% in 2019) 37.5 %

Share of energy from renewable sources for heating and cooling in 2020 32.1%

1058.4 TWh Renewable electricity generation in the EU-27 in 2020 (978.7 TWh in 2019)

Electricity storage capacity installed in the EU-27 at the end of 2020 43.1 GW

Socio-economic indicators (jobs and turnover gross added value)

1.31 million Jobs in the EU renewable energy industry in 2020 (1.24 million in 2019)

€ 162.9 bn. Turnover by renewable energy sources in EU-27 in 2020 (€149.3 bn. in 2019)

Avoided fossil fuel use and avoided costs

528 MtCO2ea Reduced GHG emissions due to the additional consumption of renewable

energy in the EU-27 in 2020 (500 in 2019)

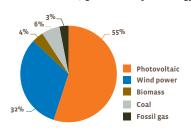
EU-27 avoided expenses through renewables € 35 bn.

164.6 Mtoe EU-27 substituted fossil fuels

Renewable energy costs and energy prices

Indicators on innovation and competitiveness, and International Trade

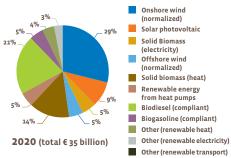
Distribution of additional electrical capacities connected to EU-27 grids in 2020 by technology



Total: 32.3 GW

Source: FurObserv'FR

## EU-27 avoided expenses through renewables



Note: Reference year 2005. Note: for 2020 proxy data are used. Source: FurObserv'FR based on FFA data





RES share in total EU gross final energy consumption in 2020

€ 162.9 bn

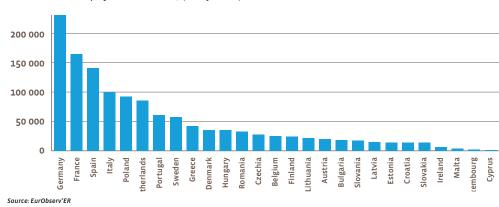
Turnover generated by renewable energy sources in EU-27 in 2020



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20th EurObserv'ER Report

Gross renewable employment in the EU-27 (data for 2020)



## FURTHER INFORMATION

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The next barometer will be dedicated

to wind energy.

This barometer was prepared by the EurObserv'ER consortium, which groups together Observ'ER (FR), TNO (NL), Renewables Academy (RENAC) AG (DE), Fraunhofer ISI (DE), VITO (Flemish Institute for Technological Research) (BE) and Statistics Netherlands (NL). This document has been prepared for the European Commission however it reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information