

THE STATE OF RENEWABLE ENERGIES IN EUROPE, 23rd EDITION

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

Energy indicators

- 24.6%** RES share in total EU gross final energy consumption in 2023 (23.1% in 2022)
- 45.3%** RES-E share in gross EU-27 electricity consumption in 2023 (41.2% in 2022)
- 26.2%** Share of total final energy consumption from RES for heating and cooling (25.0% in 2022)
- 1 230 TWh** RES-E generation in the EU-27 in 2023 (1 156.5 TWh in 2022)
- 54.8 GW** Electricity storage capacity installed in the EU-27 at the end of 2024 (48.7 GW in 2023)

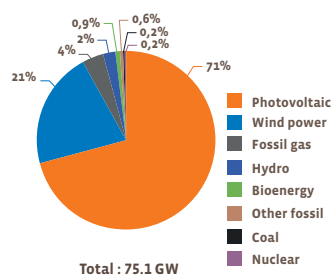
Socio-economic indicators

- 1.86 mln** Jobs in the EU renewable energy industry in 2023 (1.64 million in 2022)
- € 233 bn** Turnover by renewable energy sources in EU-27 in 2023 (€205 bn in 2022)

Avoided fossil fuel use and avoided expenses

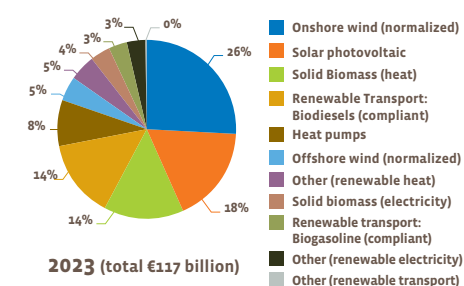
- 206 Mtoe** EU-27 substituted fossil fuels (194 Mtoe in 2022)
- € 117 bn** EU-27 avoided expenses through renewables (€165 bn in 2022)
- 653 MtCO₂eq** Averted GHG emissions through renewable energy use in the EU-27 in 2023 (614 MtCO₂eq in 2022)

Distribution of additional electrical capacities connected to EU-27 grids in 2023 by technology



Source: EurObserv'ER - Ember

EU-27 avoided expenses through renewables in 2023



Note: Reference year 2005. Note: for 2023 proxy data are used.
Source: EurObserv'ER based on EEA data.

45.3%

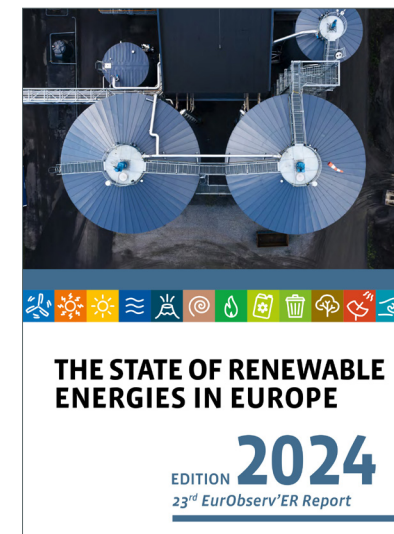
EU-27 RES share in gross electricity consumption in 2023

€ 233 bn

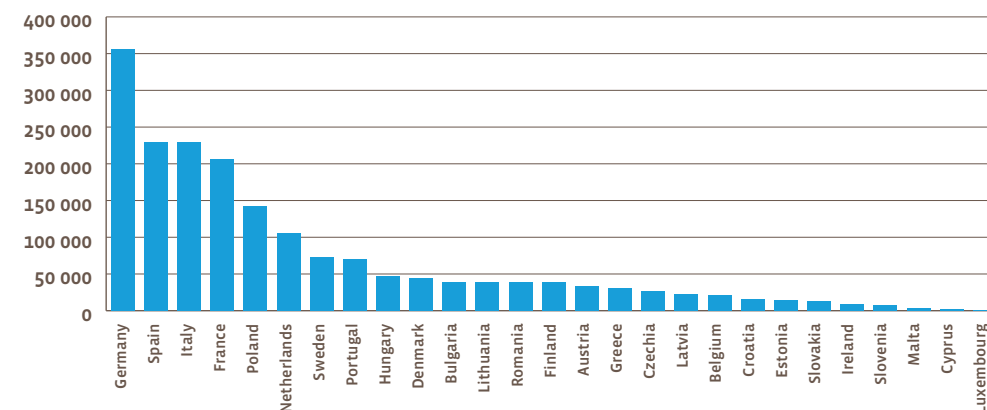
Turnover generated by renewable energy sources in EU-27 in 2023

653 MtCO₂eq

avoided GHG emissions through RES consumption in the EU-27 in 2023



Gross renewable employment (data for 2023)



Source: EurObserv'ER

FURTHER INFORMATION

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