

## ***Renewables 2022 Global Status Report***

### **Europe**

#### **Key Headlines:**

- Renewable energy developments
  - Europe ranked second after Asia for regional share of new global installations, with nearly 16 GW added (up more than 18% over 2020) for a total of 225 GW.
  - Europe connected 3.3 GW of new capacity to the grid, bringing the regional total to 28.3 GW.
  - In response to the Russian invasion of Ukraine, the European Commission announced in March 2022 its new REPowerEU plan, aimed at installing 10 million heat pumps between 2023 and 2028 to reduce EU reliance on Russian gas supplies.
  - The top EU markets for new additions were Germany (5.3 GW), Spain (4.9 GW), France (3.4 GW).
  - Italy and France both implemented supportive policies (Building-integrated PV system and Vehicle integrated PV) and together have around 5 GW of capacity.
- Renewable energy targets and policies
  - In the buildings sector, Europe was a leading region in 2021 in terms of new and revised policies with 26 policies for heating and cooling in buildings announced in 18 countries. In other regions, less than 10 of the similar policies have been introduced in each region.
  - The EU revised its 2030 target for renewables in TFEU from 40% in 2021 to 45% in early 2022.
  - The EU made its climate neutrality target for 2050 legally binding and set an interim target for 55% emission reduction by 2030.
  - Several countries announced policies to support hydrogen in 2021, and at least 38 countries plus the EU had a hydrogen roadmap or strategy in place by year's end, mostly in Europe.
- Fossil fuel phase-out
  - France, Spain and the United Kingdom had new policies for banning the use of fossil fuels, with the UK committing to end all coal power by 2024.
  - Hungary expedited the closure of its last coal-fired power plant by five years (2025 instead of 2030), and Bulgaria, Germany, Romania and the United Kingdom committed to exiting coal, with timelines varying between 2024 and 2040.
- Investment
  - Investment in European renewable energy projects fell 5% to USD 79.7 billion in 2021. Although solar PV investment grew nearly 8% to USD 34.1 billion, investment declined in all other renewable energy technologies in Europe, including wind power.

## PART 1: EUROPE KEY TRENDS

Indicator	Value
Leading countries in terms of renewable share in total final energy consumption in the region	Iceland, Norway, Sweden.
Leading countries in terms of renewable installed capacity in the region	Germany, Spain, Russian Federation and France.
USD invested in renewable energy capacity in the region in 2021	Europe invested 9.7 billion USD in renewables in 2021, equivalent to the GDP of Luxembourg in 2020.
Number of countries with renewable energy targets	42 countries with renewable energy targets in the region, 34 for economy-wide RE targets, 32 for power, 16 for heating and cooling and 23 for transport. 20 countries with new targets announced in 2021 across the different sectors. Four countries committed to 100% RE by 2050.
Number of countries with net-zero targets	48 countries with net-zero targets (including climate/carbon neutrality and emission reduction targets). At least 7 countries announced targets in 2021.
Number of countries with renewable energy policies	Of the 156 and 138 countries with regulatory and fiscal and financial support policies for renewable energy, there were 50 regulatory policies as well as 50 fiscal and financial support policies across 50 European countries by end of 2021.

## CONTACT PERSON

Yasmine Abd El Aziz, REN21, tel +33 6 52 25 69 25, [yasmine.abdelaziz@ren21.net](mailto:yasmine.abdelaziz@ren21.net)