

23 Years of wind power generation share

Where is wind power coming from in 2022?

In Europe, wind was 11.2% of generation in 2022. In 2018, upcoming wind power markets rose from 8% to 10% across the Middle East, Latin America, South East Asia, and Africa.

How much wind power does the United States have?

In another major milestone, the United States passed 150 Gigawatt of total wind capacity, but the market was much weaker than in the previous year, adding only 6,4 Gigawatt - much less than in 2022 and in 2021, when 13,7 GW were added, more than double the capacity of 2023.

Can repowering increase wind power generation?

Repowering, i.e. replacing old and smaller wind turbines by newer, larger and more efficient machines, is an important option for further increasing wind power generation with enormous potential. WWEA has estimated that repowering alone can double today's wind power generation.

Where does wind power come from?

Since 2010, more than half of all new wind power was added outside the traditional markets of Europe and North America, mainly driven by the continuing boom in China and India. China alone had over 40% of the world's capacity by 2022. Wind power is used on a commercial basis in more than half of all the countries of the world.

What role does China play in global wind power development?

China once again plays an exceptional role in driving global wind power development - according to estimates, the country added 75 Gigawatt in 2023. The new record was only broken thanks to China, which accounts for 65% of the global market for new wind turbines - up from 58% in 2022.

Which country has the most wind power?

China is the leading country in terms of cumulative wind installations and newly installed wind power capacity. In 2023, the Asian country added some 76.7 gigawatts of wind power, which translates to more than three-quarters of the global capacity added that year.

This input-equivalent primary energy takes account of the inefficiencies in energy production from fossil fuels and provides a better approximation of each source's share of energy consumption. You can find more details in the Statistical ...

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