

Increase in Solar and Wind Energy Production

Are the G7 countries the world leaders?



Data from:

United Nations Statistics Division - Annual
Questionnaire on Energy Statistics (1990 -
2015)

Our World In Data: Share of electricity
production from wind (2020)

Irena.org: Renewable Capacity Statistics
(2020)

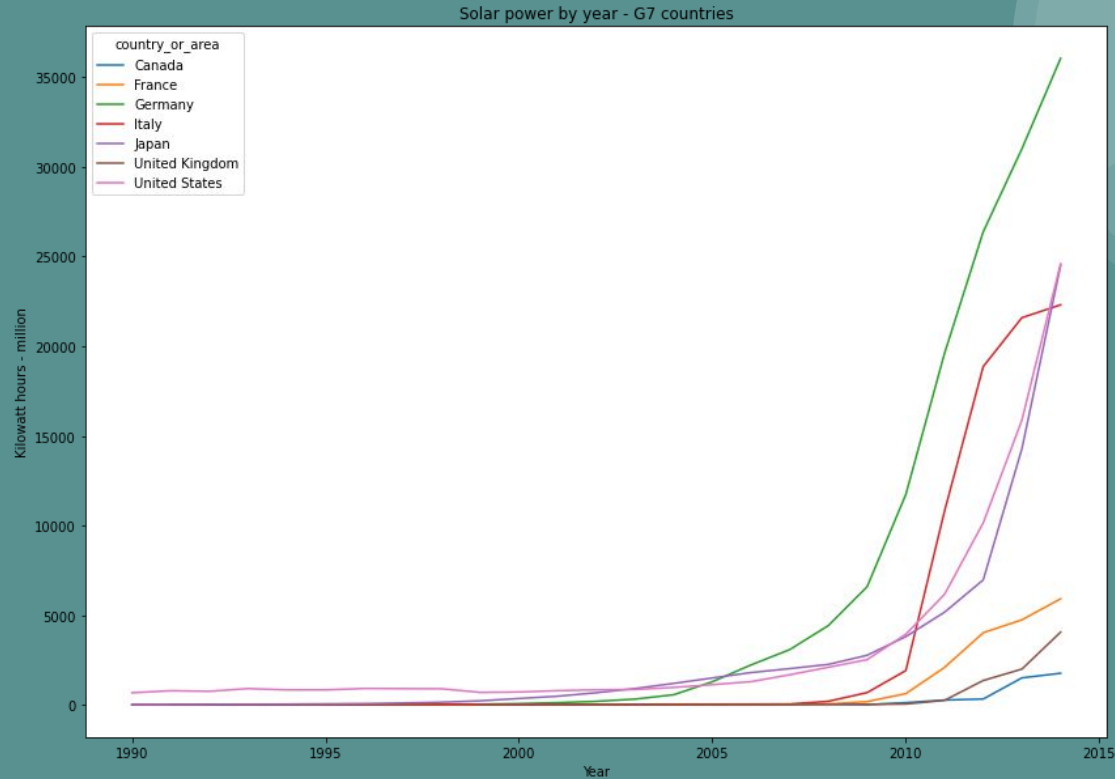
Additional sources:

International Energy Agency
Center for Climate and Energy Solutions



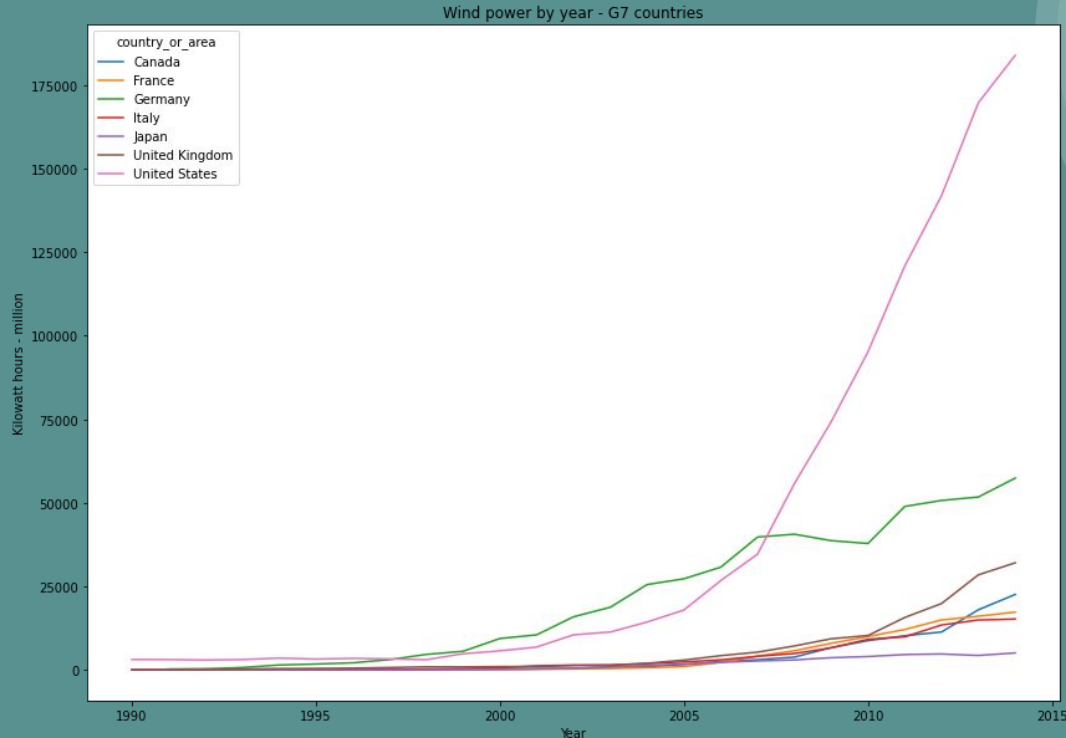
Solar power

G7 countries: 1990 - 2015



Wind power

G7 countries: 1990 - 2015



Increase in all G7 countries

Steep increase in wind in U.S.

Steep increase in solar in Germany, Italy, Japan and the U.S.



**Those numbers are
total kilowatt-hours
in the millions.
Big numbers.
Impressive numbers.**

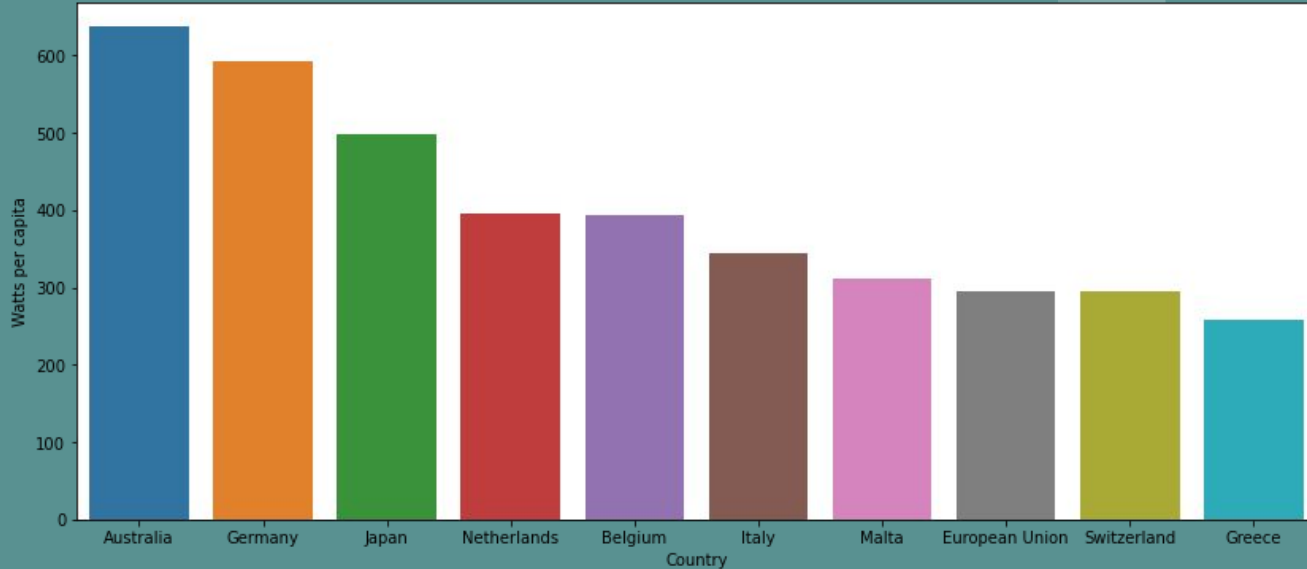
**But, what about per
capita?**



Solar power per capita

Top 10 countries

Solar power - top 10 countries in 2019

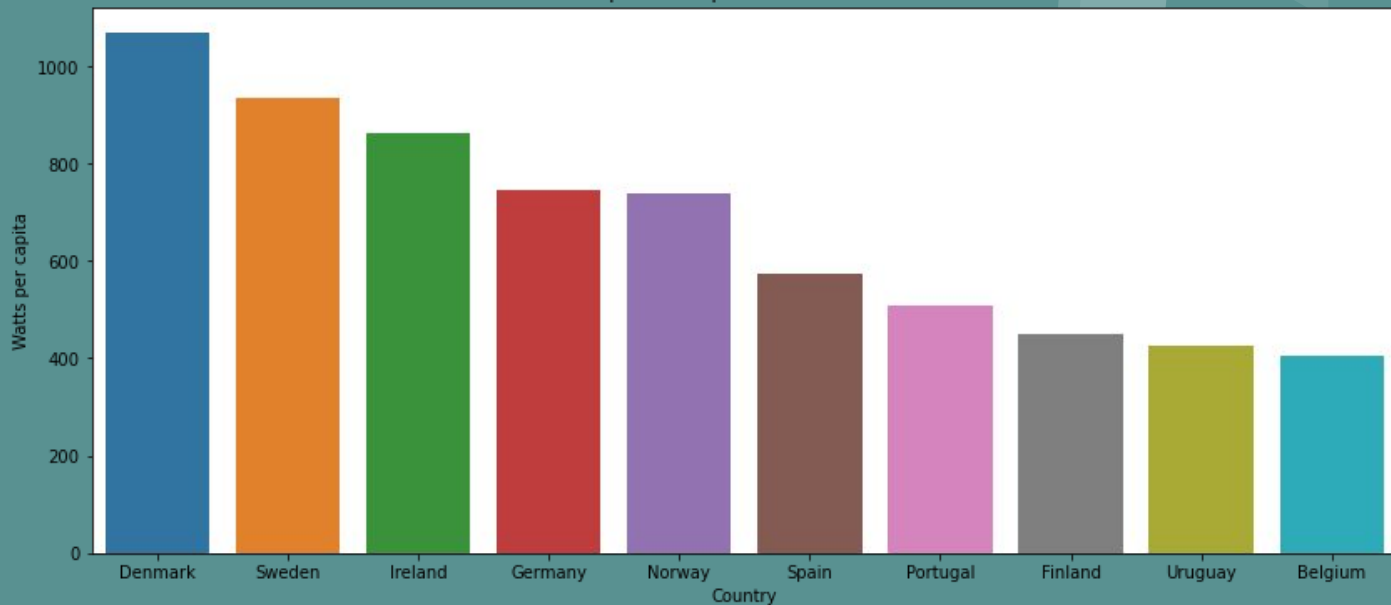


Germany, Italy, and Japan are the only G7 countries in the top 10

Wind power per capita

Top 10 countries

Wind power - top 10 countries in 2020



Germany is the only G7 country in the top 10

Solar energy (just 3.3% of total U.S. energy generation in 2020) is the fastest-growing electricity source in the world.

Wind power is the primary non-hydro renewable technology, generating nearly as many terawatts per hour as all others combined.



**China is the global leader
in the volume of additions
to renewable energy
capacity, with India close
behind.**

Members of the G7 = world's largest advanced
economies and wealthiest liberal democracies

