Wind energy in Europe

255 GW

17% of Europe’s electricity demand

GW installed
Wind share of electricity demand
Wind energy in Europe
Electricity mix in some countries in CEE
Huge increase in wind capacity coming

- **2021 WindEurope**: Onshore 173 GW, Offshore 16 GW
- **2030 European Commission (45% RES)**: Onshore 329 GW, Offshore 111 GW
- **2030 European Commission**: Onshore 1,000 GW, Offshore 300 GW

Source: WindEurope, 2030 & 2050 EC ALLBNK (2030 Impact Assessment)
Some countries are going nuclear
Others want nuclear and wind
Wind means energy security and self-sufficiency
Wind speeds in CEE are good too

Source: DTU
Lots of good projects in the region
And offshore is now being developed
Offshore wind in the Baltics, Adriatic & Black Sea
European citizens want more wind. Also in CEE

- France: 76%
- Germany: 77%
- Ireland: 79%
- Poland: 75%
Impact on the environment is limited
Permitting remains a big problem
EU wants to accelerate permitting

Overriding public interest

Population approach to species

All permits in two years
Europe financed 12 GW, of which 10 GW in EU-27 countries
Sending the right investment signals

Agree EU market design ASAP

Use CfDs and PPAs
Crucial to minimise cost of capital
CfDs are cheap for Governments

Source: WindEurope
And CfDs are cheap for society
And CfDs are cheap for society

\[ \frac{€92}{\text{MWh}} = \frac{€50}{\text{MWh}} \]

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Need to strengthen supply chain
Factories all over Europe
Need to strengthen Green Deal Industrial Plan

- Flexible state aid
- Non-price criteria in auctions
- EU financial support
Economic benefits of wind energy in Europe

€37bn to Europe’s GDP

1 new turbine = €10m to the economy
Employment in wind energy in Europe

300,000 jobs in Europe today

450,000 jobs in Europe in 2030
NECP revision is key...
THANK YOU