

A large, stylized illustration in shades of blue and green. It depicts various energy-related scenes: wind turbines, power lines, industrial buildings, a person working at a computer, a person walking, a large building with a dome, and a field of sunflowers. The illustration is partially obscured by a white curved shape on the left side of the slide.

► EERA JP Wind Collaboration with industry

The European Energy Research
Alliance (EERA)

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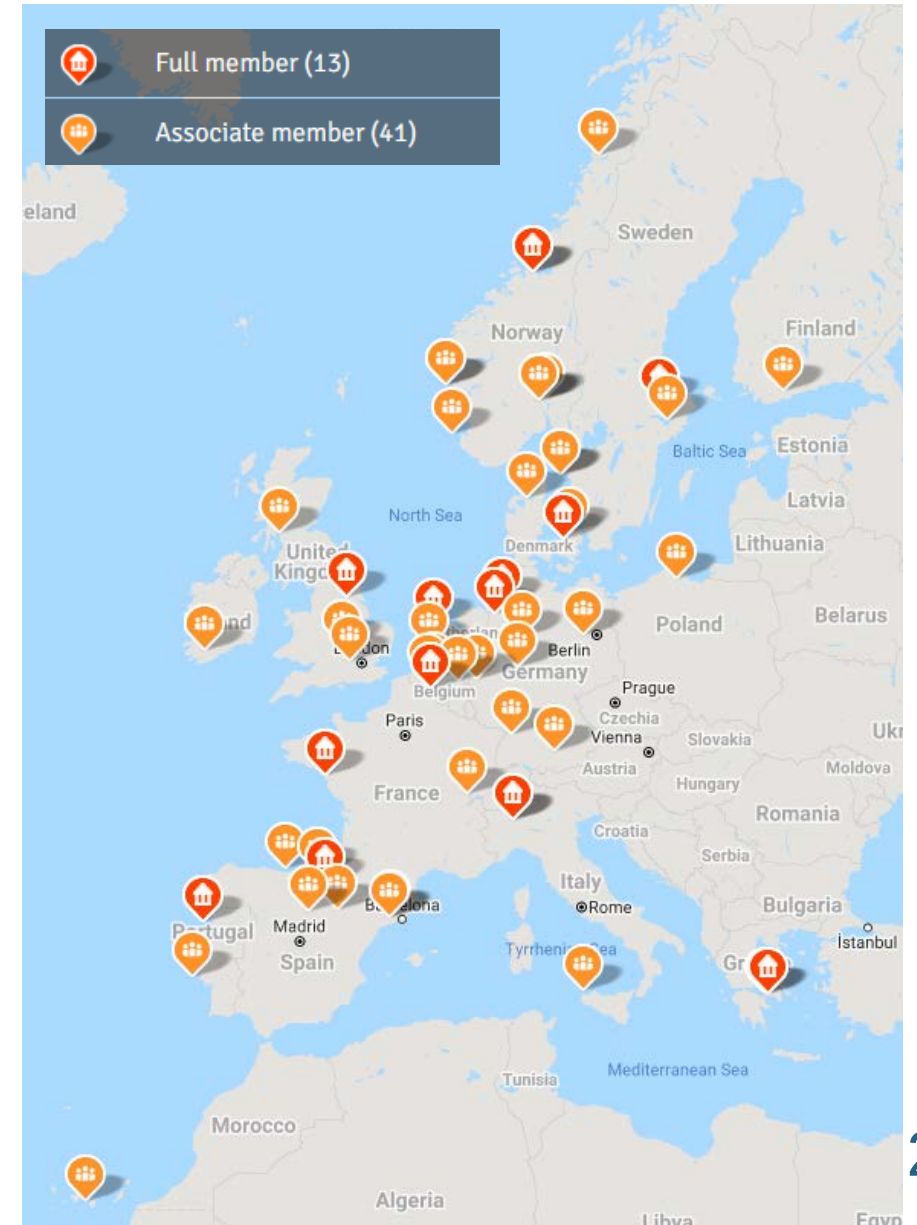
www.eerajpwind.eu

www.linkedin.com/in/eera-jp-wind/

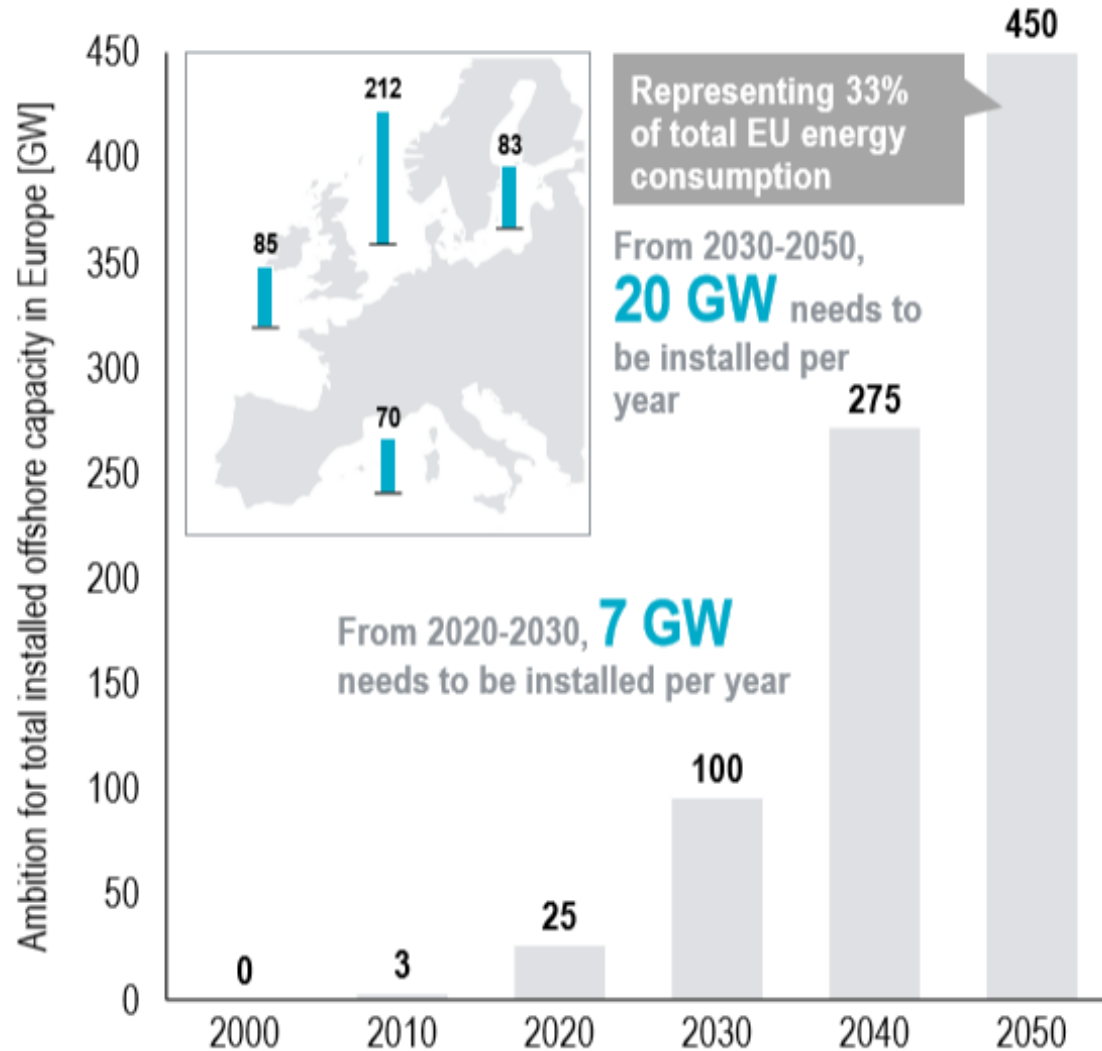
► EERA – Joint Programme on Wind Energy

JP Wind brings together the major research groups in wind energy in Europe

- 13 research groups started JP Wind in 2009
- The number of collaborating partners increased to 54 in 2020
- JP Wind is the globally leading R&D community in wind energy creating synergy advantages for European research organisations and industry in support of the green energy transition and the SET-Plan goals.



- Europe has large ambitions for offshore wind. There are significant challenges that require effort from different sectors.



Main challenges

Specifications

€	Costs	> Reduce costs for full competitiveness in energy system (min. EUR/MWh)
🏗️	Roll-out	> Achieve necessary capacity for roll-out
🔒	Supply security	> Safeguard full supply security
🌐	Spatial planning	> Use acceptable space of the North Sea (max. MWh/km ³)
🐟	Environment	> Achieve positive impact on environment
👥	Citizen support and acceptance	> Achieve positive social cost-benefit and positive acceptance from citizens
☂️	Safety	> Achieve full safety during construction and operation

► Collaboration with industry (ETIPWind) and countries (SETPlan)

ETIPWind

- The industry platform for R&I in wind energy
- Executive committee ETIPWind:
- Industry has 16
- JP Wind has 8 seats (Management Board + SC)
- EAWE – European Academy of Wind Energy has 1 seat
- R&I agenda ETIPWind with input from EERA
- EERA JP Wind has its own agenda which is aligned with ETIPWind agenda



SETPlan Implementation team offshore wind

- SETPlan IWG Offshore wind consists of country representatives
- IWG has its own implementation plan
- JP Wind drives the agenda and supports IWG
- ETIPWind is connected



EERA JP Wind aims for Lighthouse Initiatives

▶ **Enable reliable power system operation with large-scale offshore wind**



Make floating wind cost competitive

The topics have been used for the green deal calls. Demonstration projects benefit only few companies, so that it needs to follow-up by more extensive programmes on lower TRL.