IEA Wind TCP

450 GW offshore wind:

A global R&I perspective

Ignacio Marti Executive Secretary ETIP-EERA Workshop 14th September 2020

Technology Collaboration Programme



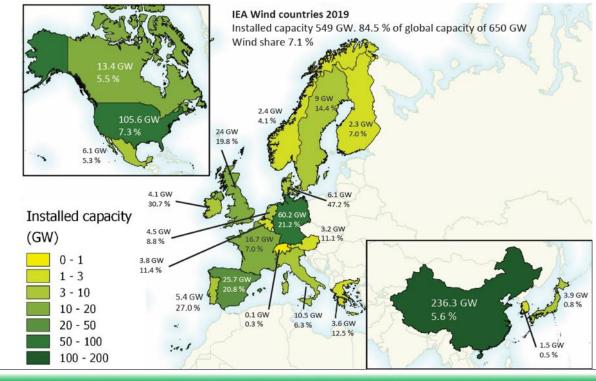
Content

- About IEA Wind TCP
- R&I trends:
 - Investments
 - Offshore is moving south, east and west
 - Future trends
- Speed is key: collaboration



About IEA Wind Technology Collaboration Program

• 24 members in Europe, America and Asia

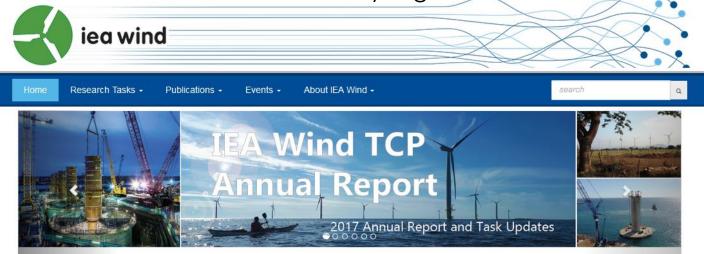






IEA Wind Website

ieawind.connectedcommunity.org



Recent Publications





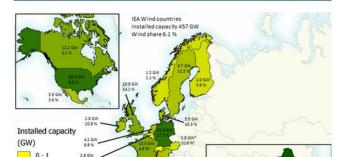
Recommended Practice 16: Wind/PV Integration Studies, ... *

Posted in: Task 25



IEA Wind TCP Task 19 Recommended

Membership

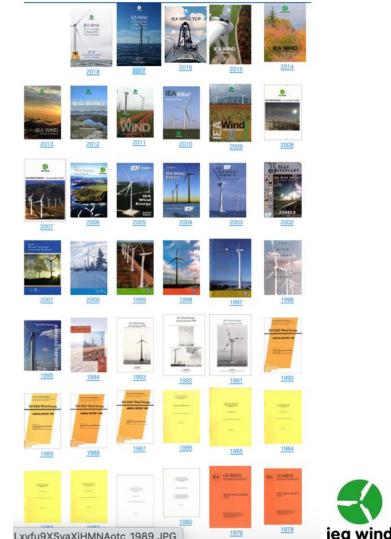




IEA Wind: More than 40 years of wind energy



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IEA Wind TCP Strategic Objectives

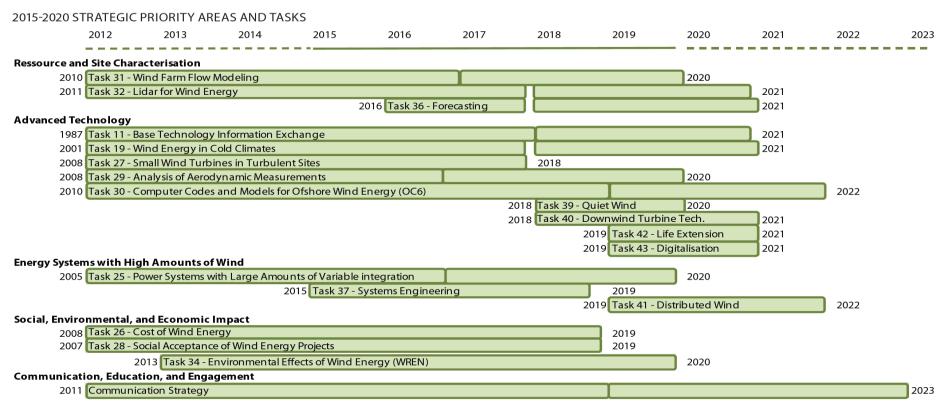
Maximize the value of wind energy in energy systems and markets Lower the cost of landbased and offshore wind energy

Facilitate wind energy deployment through social support and environmental compatibility

Foster collaborative research and the exchange of best practices and data



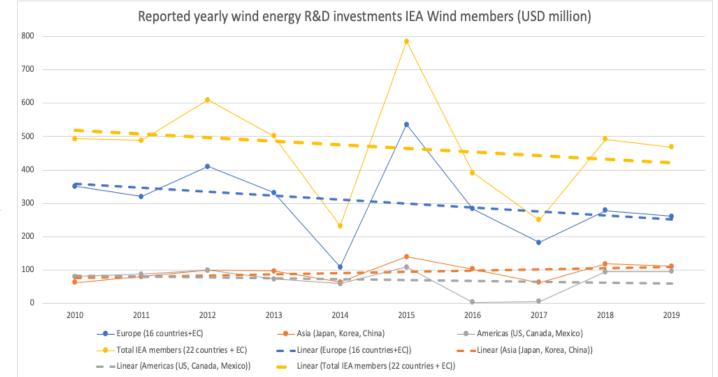
IEA Wind collaborative Research Tasks overview





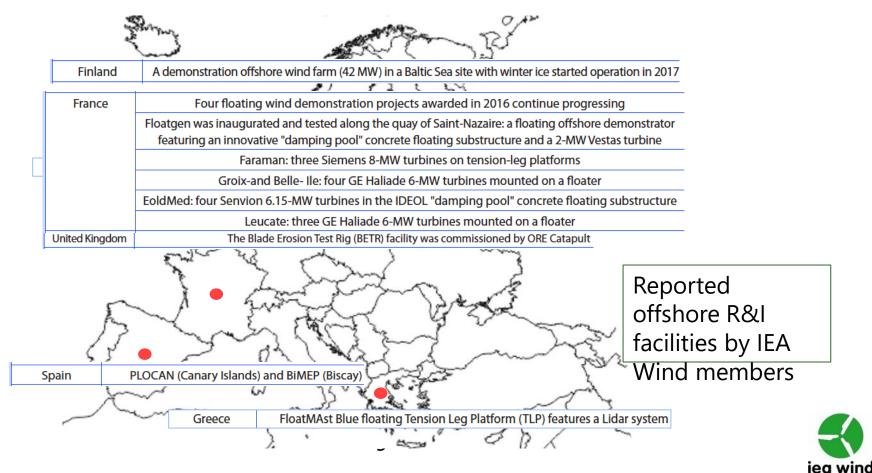
Wind energy R&D investment trends (IEA Wind members)

- Numbers reported by IEA Wind members
- Big yearly fluctuations
- Overall negative trend (less investments over time)
- Reduction driven by Europe
- Asia is increasing R&D

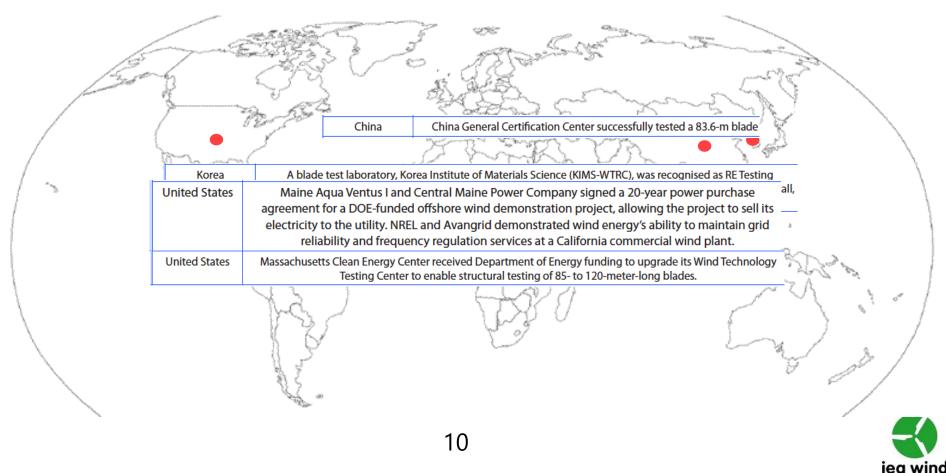




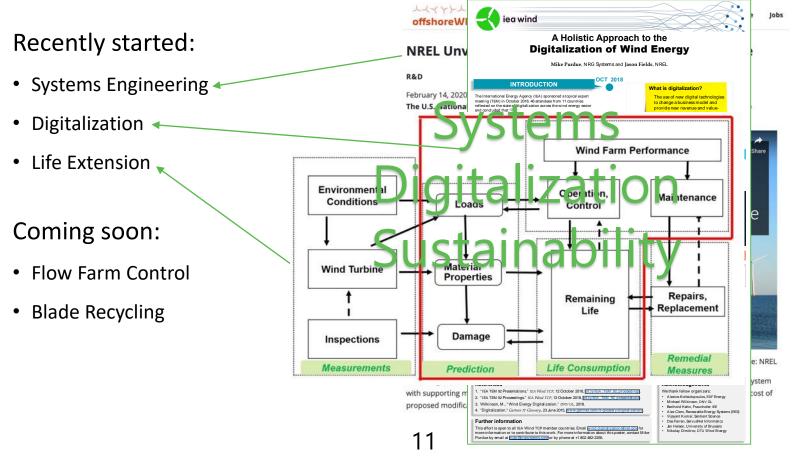
Offshore R&I continues in the North Sea but is expanding South



Offshore R&D is also expanding East-West



New offshore wind R&D trends in IEA Wind





How to achieve 450 GW offshore wind?

Maximize the value of wind energy in *energy systems and markets* *Lower the cost* of land-based and offshore wind energy

Facilitate wind energy deployment through social support and environmental compatibility

Foster *collaborative research* and the exchange of best practices and data



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