

A composite background image featuring a snowy mountain range, a city skyline, an airplane in flight, and an offshore wind farm with several turbines and a support vessel in the ocean.

HVA ER EU STRATEGI KNYTTET TIL OFFSHORE VIND?

Bård Wathne Tveiten, SINTEF Ocean,
22.09.2020



Innhold

- EUs Green Deal og den nye skjerpede klimastrategien
- EUs strategier og 'aktører'
- Green Deal call i H2020

European Green Deal

https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal_en



Climate neutral

The EU will be climate neutral by 2050. To do this, it will carry out a series of initiatives that will protect the environment and boost the green economy.

"The European Green Deal is our new growth strategy. It will help us cut emissions while creating jobs."

Ursula von der Leyen, President of the European Commission





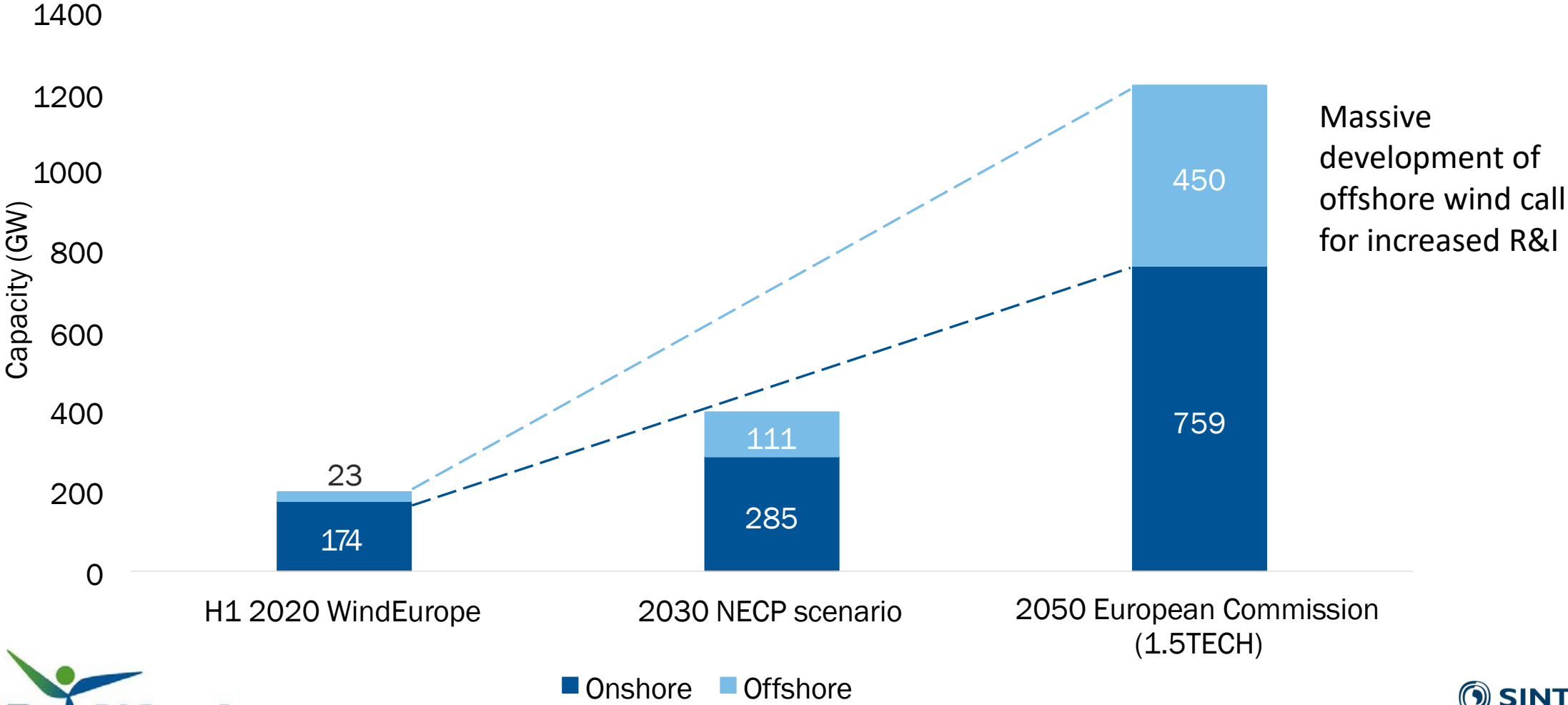
"On this basis, the European Commission is proposing to increase the 2030 target for emission reduction to at least 55%."



‘We need to go faster’

HUGE INCREASE IN WIND CAPACITY COMING

450 GW in 2050



EUs strategier på havvind (og mer)

- FN sine bærekraftsmål
- The European Green Deal
 - EU sin nye strategi på havenergi *
- Strategic Energy Technology Plan – SET plan
 - [Offshore Wind Implementation Plan](#) (2018)
- Implementeringsmekanismer:
 - [European technology and innovation platform on wind energy \(ETIP Wind\)](#)
 - Anbefalt: "[Floating offshore wind: delevering climate neutrality](#)" Juni 2020
 - "[Strategic research and innovation agenda](#)", 2018
 - European Energy Research Alliance *
 - EERA JP Wind
 - EERA JP Wind - R&I Strategy



EUs nye strategi på havenergi

- Offshore fornybar energi vil spille en nøkkelrolle for at EU skal nå sine klimamål 2030-50
- Industriell oppskalering
- Tilgang til områder for havenergi
- Samvirke med andre brukere av havområder vil være vesentlig
- Ta vare på miljø og biodiversitet

"make the deployment of offshore renewable energy a pillar of an inclusive and sustainable growth promoting regional cohesion across the EU and contributing to a just transition, with a particular attention put on employment and (re)skills dimensions"



Roadmap

Feedback period

16 July 2020 - 13 August 2020

FEEDBACK: CLOSED

Public consultation

Feedback period

16 July 2020 - 24 September 2020

FEEDBACK: OPEN

UPCOMING

Commission adoption

Planned for

Fourth quarter 2020

European Energy Research Alliance (EERA)

- EERA er en sammenslutning av europeiske forskningsinstitutt og universitet som er engasjert i lav-karbon energi forskning.
- Vind energi er ett av 15 felles programmer



250+ organisasjoner



50,000+ forskere

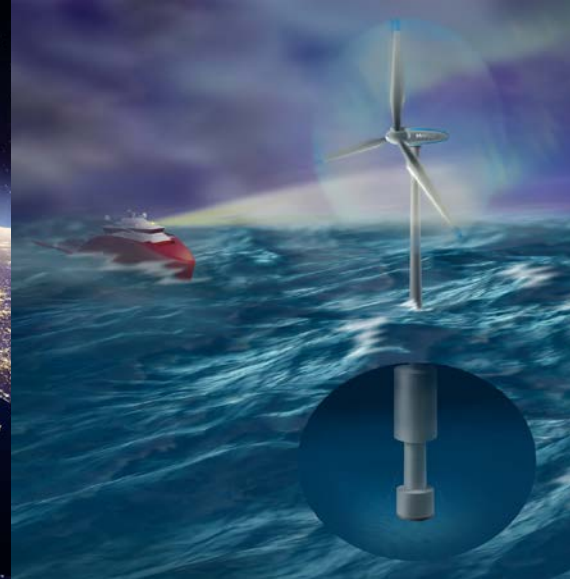


30 land

Advanced Materials and Processes for Energy Application (AMPEA)
Bioenergy
Carbon Capture and Storage
Concentrated Solar Power (CSP)
Economic, Environmental and Social Impacts (JP e3s)
Energy Efficiency in Industrial Processes
Energy Storage
Energy Systems Integration
Fuel Cells and Hydrogen
Geothermal
Hydropower
Nuclear Materials
Ocean Energy
Photovoltaic Solar Energy
Shale Gas (discontinued)
Smart Cities
Smart Grids
Wind Energy

EERA JP Wind aims for Lighthouse Initiatives

Enable reliable power system operation with large-scale offshore wind



Make floating wind cost competitive

The topics are part of the EU H2020 green deal calls for demonstration of new technology. There are still grand research challenges to be solved in new extensive programmes on lower TRL.





European
Commission

HORIZON 2020 EUROPEAN GREEN DEAL CALL

September 2020

€1 BILLION FOR RESEARCH & INNOVATION TO BOOST THE EU'S GREEN RECOVERY

The European Commission tables €1 billion under Horizon 2020 to respond to the climate crisis, provide more protection to Europe's biodiversity and habitats under threat, and accelerate a sustainable recovery.



Teknologi for et bedre samfunn