## ETIPWind kick-off event

How targeted R&I in wind energy contributes to delivering REPowerEU



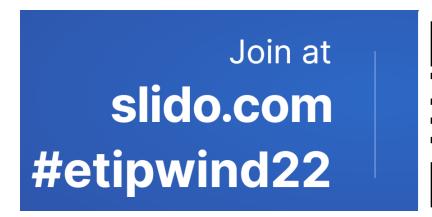


## Welcome & Introduction

Adrian Timbus
Vice President Portfolio and Market
Strategy
Hitachi Energy
ETIPWind Chair

#### Welcome & Introduction

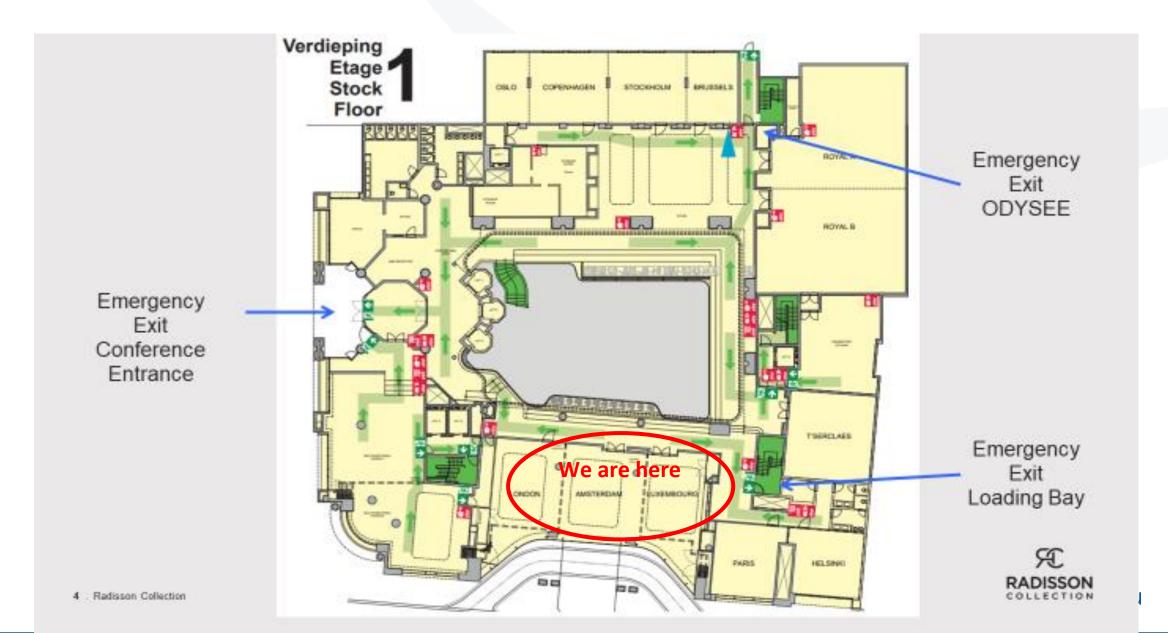
- Welcome to the ETIPWind kick-off event launching the 2022-2025 cycle of activities!
- For **online participants**: please mute your microphone. If any technical issue: do not hesitate to write directly in the chat.
- Questions can be asked on Slido. But for audience in the room, do not hesitate to speak up!







## **Evacuation information**



#### What is ETIPWind





Other ETIPs



Implementation
Working Group on
Offshore Wind



CTOs Forum of WindEurope

- European Technology & Innovation
   Platform established in 2016.
- Funded by the European Commission in the framework of the SET-Plan through the SETIPWind project.
- Industry and research experts who provide policy and research recommendations to the European Commission and advocate for a faster deployment of wind energy in Europe.



## Steering Committee

#### INDUSTRY

















GE Renewable Energy

































## **Steering Committee**

#### RESEARCH



























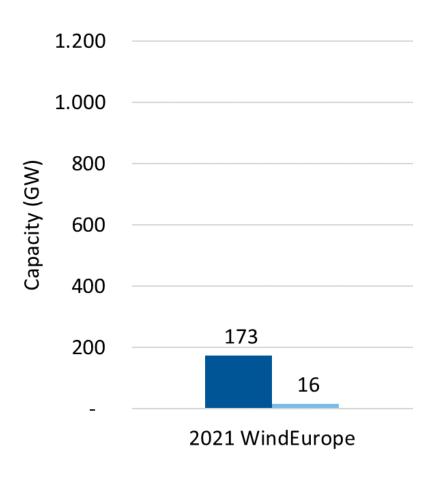
WAGENINGEN UNIVERSITY & RESEARCH







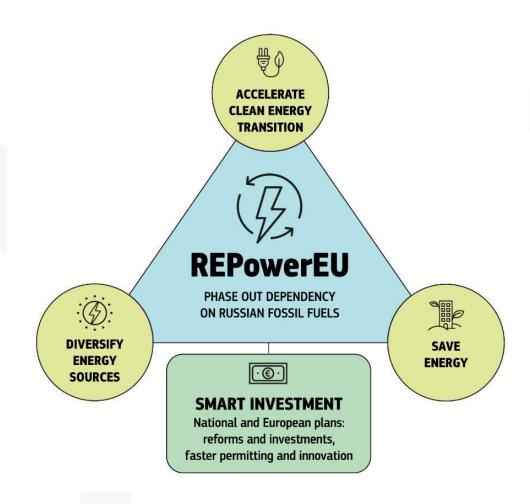
## Huge increase in wind capacity coming





## **Policy Context**

- REPowerEU:
- New 2030 targets: 45% renewable energy (+5%), 13% energy savings (+4%)
- ➤ New measures: **Accelerate permitting for RES**
- Ending Russian gas imports before 2030
- National Energy and Climate Plans
   (NECPs) revision: 10-year plan for the period
   2021-2030. Member States must update their plans
   by June 2023.





## Wind industry facing challenges

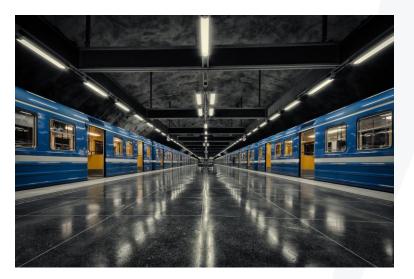


**PERMITTING RULES** 



RAW MATERIALS
DEPENDENCY &
SUPPLY-CHAIN
BOTTLENECKS





RES-BASED ELECTRIFICATION

#### Mega trends in wind energy technology



Scaling up offshore wind



Industrialising floating offshore wind



Happy co-existence with the onshore environment and society



Repowering onshore wind

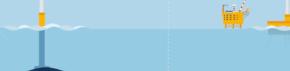


Wind is going 100% circular

























Multi-GW wind farms



Connected to several countries - saving space & money, optimising power trading



Very large turbines (+15MW)



Tapping into massive wind resources in areas with deep waters



Moving to serial production of substructures, dynamic cables and anchors.



Offshore hydrogen production



Minimising impacts with birds



Reducing noise



Optimising land use



Making the most of the best wind sites



Leveraging state-of-the-art technology.



More power output with fewer turbines



Recycling wind turbines for other sectors



Using recycled materials in new turbines



New easy-torecylce blade materials.

## What does ETIP do?



#### **PUBLICATIONS**

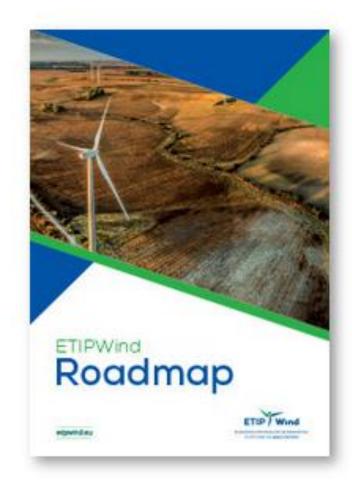
EUROPEAN TECHNOLOGY & INNOVATION PLATFORM ON WIND ENERGY





**INDUSTRY'S PRIORITIES** 

## What does ETIP do?



Research & Innovation priorities 2020-2027

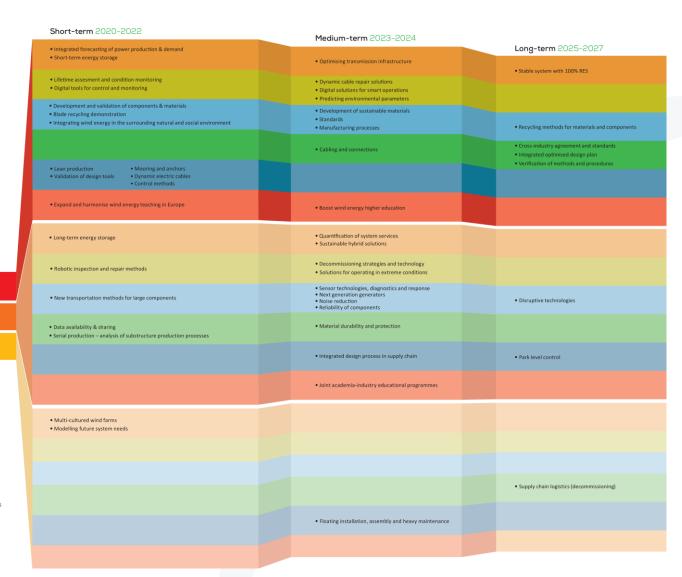
Technology Roadmap

High priority

Medium priority

Low priority

- Grid & system integration
- Operations & maintenance
- Next generation technologies
   Offshore balance of plant
- Floating offshore wind
- Skills & human resources





#### What does ETIP do?

#### Key objectives of the next ETIPWind Work Programme

- 1. Provide timely and targeted R&I recommendations to the European Commission
- 2. Engage with national policy makers to ensure measures are implemented at national level
- 3. Disseminate the industry's R&I priorities and raise awareness about R&I needs for wind
- 4. Foster collaboration with other SET-Plan bodies and align with other sectors
- 5. Create a European knowledge hub for wind R&I
- 6. Widen participation to ETIPWind's governance and ensure representativeness
- 7. Develop a finance and sustainability plan for the platform



## Keynote speech

Rosalinde Van der Vlies Director Clean Planet DG RTD - European Commission

## Fireside chat

Rosalinde Van der Vlies
Director Clean Planet
DG RTD - European Commission

Adrian Timbus
Vice President Portfolio and Market Strategy
Hitachi Energy
ETIPWind Chair

## Made in Europe: What policies are needed today to keep Europe's wind supply chain competitive?

#### **MODERATOR:**



Pierre Tardieu Chief Policy Officer WindEurope

#### **SPEAKERS:**



Jacek Truszczynski
Deputy Head of Unit – DG GROW
European Commission



Didier Mallieu Solution Manager for Renewables Hitachi Energy



Bert Verdyck
Head of Product Portfolio
ZF Wind Power

Join at slido.com #etipwind22



## Coffee Break 10:45-11:00



## Accelerating wind turbine recycling and improving coexistence of wind with nature and society

#### **MODERATOR:**



Helena Solman Researcher Wageningen University

#### **SPEAKERS:**



Jacob Edmonds
Head of Innovation
Ørsted



Fabio Fugazzotto,
Head of Wind innovation
ENEL Green Power



Hanif Mashal CTO LM Wind power



Lena Kitzing
Head of Section Society,
Markets & Policy
DTU

Join at slido.com #etipwind22



etipwind.eu

## Energy System Integration: How to go from 15% to 50% wind in power demand by 2050

#### **MODERATOR:**



Annie Scanlan
Partnerships Manager
WindEurope

#### **SPEAKERS:**



Susanne Nies
General Manager Germany
Smart Wires



Lukasz Kolinski
Head of Unit Green Transition and
Energy System Integration - DG ENER
European Commission



Erik van Iperen
General Manager Renewable
Power Generation Technology
Shell



Norela Constantinescu Head of Innovation Section ENTSO-E

Join at slido.com #etipwind22



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## Closing remarks

Baris Adiloglu
Project Manager
CINEA - European Commission

## Closing remarks

Adrian Timbus
Vice President Portfolio and Market Strategy
Hitachi Energy
ETIPWind Chair

## Closing remarks

- Main takeaways from the panel discussions
- Next steps for ETIPWind:
- Contribution to the SET-Plan revamp
- Participation to the SET-Plan Conference 2022
- > Recommendations for the strategic planning 2025-2027 of Horizon Europe
- ➤ Policy recommendations on R&I to national governments in their revised National Energy & Climate Plans (NECPs).



## How can you get involved in ETIPWind?

- Join us at our events & workshops
- Provide your input and feedback on our publications
- > Follow us on social media
- Subscribe to our newsletter to get updates on wind energy R&I and activities of the platform







# Join us at the networking lunch! 13:00-14:30



## THANKYOU

Contact: secretariat@etipwind.eu



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