

ETIPWind Steering Committee + CTOs meeting



Funded by
the European Union

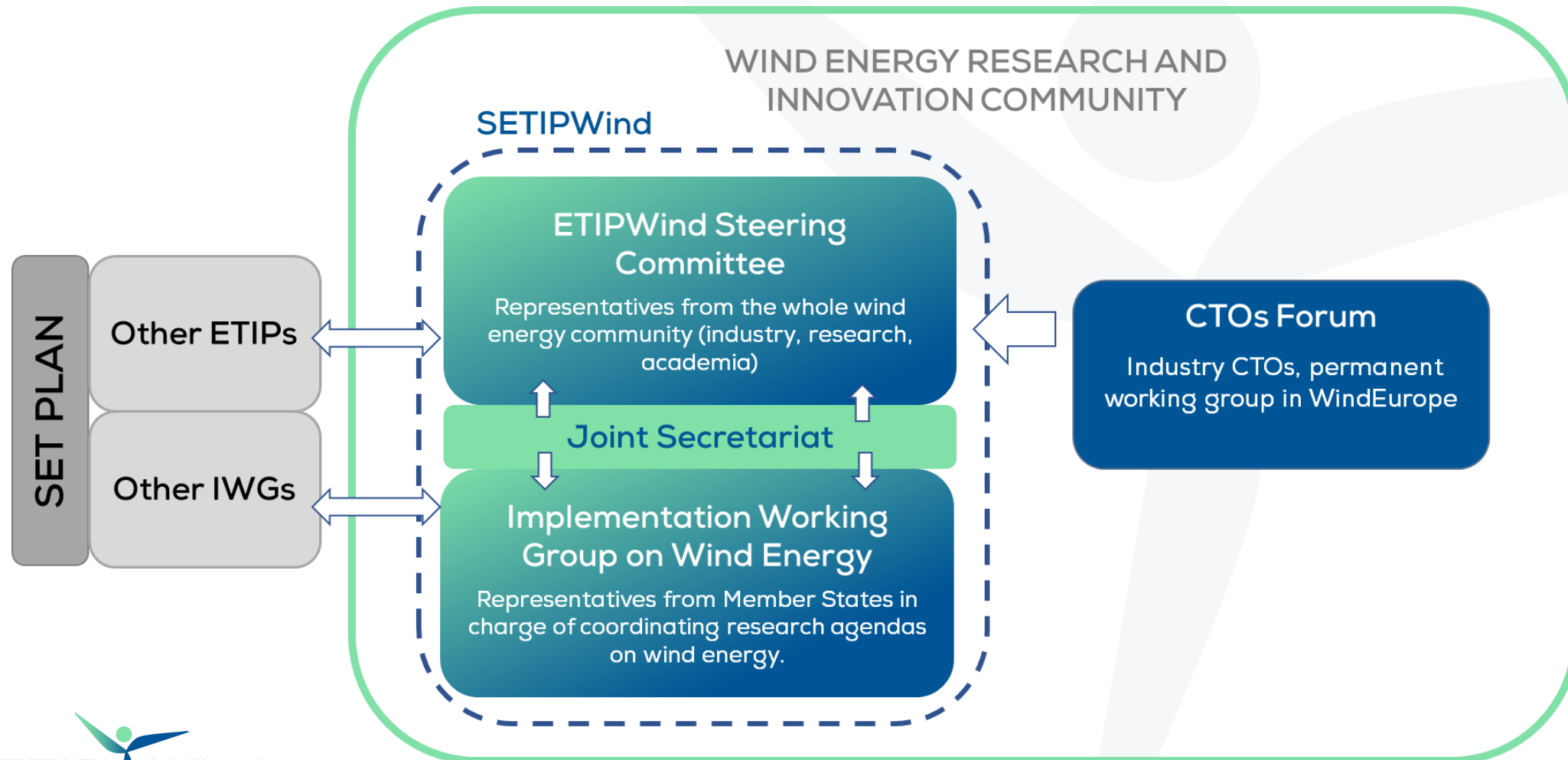
27 April 2023 – 10:00-13:45

Bella Centre Copenhagen, Room 19

Welcome & Introduction

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

ETIPWind governance



ETIPWind objectives

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

ETIPWind Steering Committee

• INDUSTRY

acciona MAINSTREAM RENEWABLE POWER DNV edf enel Green Power ENERCON ENERGY FOR THE WORLD equinor GE Renewable Energy Hitachi Energy IBERDROLA Shell LM WIND POWER eit InnoEnergy Vestas Orsted ZF res RWE SAIPEM Van Oord Marine ingenuity SIEMENS Gamesa RENEWABLE ENERGY UL ETIP Wind EUROPEAN TECHNOLOGY & INNOVATION PLATFORM ON WIND ENERGY

• RESEARCH

eawe european academy of wind energy CENER CENTRO NACIONAL DE ENERGÍAS RENOVABLES DTU SINTEF CATAPULT Offshore Renewable Energy GDAŃSK UNIVERSITY OF TECHNOLOGY TNO innovation for life ForWind SOFIA UNIVERSITY ST. KLIMENT OHRIDSKI Fraunhofer IWES WAGENINGEN UNIVERSITY & RESEARCH efzn Energie-Forschungszentrum Niedersachsen WEAMEC MARINE ENERGY

• OBSERVER

 New members (Sept 2022)

etipwind.eu

ETIPWind strategic topics in 2023



Industrial Policy & Competitiveness of the supply chain



Grids, system integration & Digitalisation



Community engagement & happy coexistence



Sustainability

2023 Update of the Strategic R&I Agenda



European
Commission



Agenda

10:00-10:10	Welcome & Introduction	Adrian Timbus, ETIPWind Chair
10:10-10:30	Keynote speeches from the European Commission <i>inc. revised SET Plan and next steps for Horizon Europe</i>	Paula Pinho, Director, DG ENER Enrico Degiorgis, Policy Officer, DG RTD
10:30-10:50	Update on ETIPWind activities and EU Funding for wind energy	Adrian Timbus, ETIPWind Chair + Secretariat
10:50-11:00	Collaboration with EERA's JP Wind	Ignacio Marti, EERA JP Wind's Coordinator
11:00-11:10	<i>Coffee break</i>	
11:10-11:30	Keynote speech on the main challenges for the wind energy sector today	Henrik Stiesdal, Founder, CTO and Board member of Stiesdal A/S
11:30-12:55	Discussion on the ETIPWind Gap analysis and additional R&I topics <i>inc. CTOs short statements and discussion with Steering Committee</i>	Moderated by Jacob Edmonds, ETIPWind Vice-Chair
12:55-13:00	Conclusion and Next steps	Adrian Timbus, ETIPWind Chair
13:00-13:45	<i>Networking lunch</i>	

Keynote speech

Paula Pinho

Director "Just Transition, Consumers, Energy
Efficiency and Innovation"
DG ENER, European Commission

Keynote speech

Enrico Degiorgis

Policy Officer Wind energy & Hydrogen
DG RTD, European Commission



EU wind energy and R&I policy

ETIP Wind Steering Committee and CTOs meeting

Copenhagen - 27 April 2023

Enrico Degiorgis
DG Research & Innovation
Clean Planet Directorate
Unit Clean Energy Transition
Policy Officer

Recent EU policy and legislative developments

Net-Zero Industry Act (NZIA)

- Commission [proposal for a regulation](#) adopted on 16 March 2023
- Onshore wind and offshore renewables identified among the 8 'Strategic Net-Zero Technologies'
- Strategic Net-Zero Technologies:
 - Objective: scale up manufacturing in the EU to provide at least 40% of the EU's annual deployment needs by 2030
 - Particular support measures (simpler and faster permitting, sustainability and resilience criteria in auctions, possibility to become Strategic Net-Zero Technology project)
- Net-Zero Technologies: One-stop shop, online access to info, faster permitting (12-18 months); Innovation - Regulatory Sandboxes; European Net-Zero Industry Academies

Recent EU policy and legislative developments

Renewable Energy Directive – revision

- Provisional agreement reached between the European Parliament and the Council to **reinforce the EU Renewable Energy Directive** (30 March 2023)
- **EU's binding renewable target for 2030: minimum of 42.5% (up from the current 32%).**
With an additional indicative 2.5%
- Indicative target of 5% of new installed renewable energy capacity to be covered by **innovative technologies** at Member State level
- Accelerated permitting procedures, acceleration areas, overriding public interest

Recent EU policy and legislative developments

Critical Raw Materials Act

- Commission [proposal for a regulation](#) adopted on 16 March 2023
- List of Critical Raw Materials (CRM) and Strategic Raw Materials (SRM) is defined
- Towards more SRM supply security – 2030 benchmarks
 - EU's extraction capacity cover at least 10% of the EU's SRM consumption
 - EU's processing capacity cover at least 40% of the EU's SRM consumption
 - EU's recycling capacity cover at least 15% of the EU's SRM consumption
- Towards more SRM diversification of supply – 2030 benchmarks
 - Not more than 65% of EU consumption of each SRM should come from a single third country

To incentivise large-scale **recycling of permanent magnets**, the Act sets **requirements on recyclability and recycled** content.

EU countries will take measures to improve the collection of critical raw material-rich waste and ensure its recycling into secondary critical raw materials.

Strategic Energy Technology (SET) Plan revamp

Three main **objectives**:

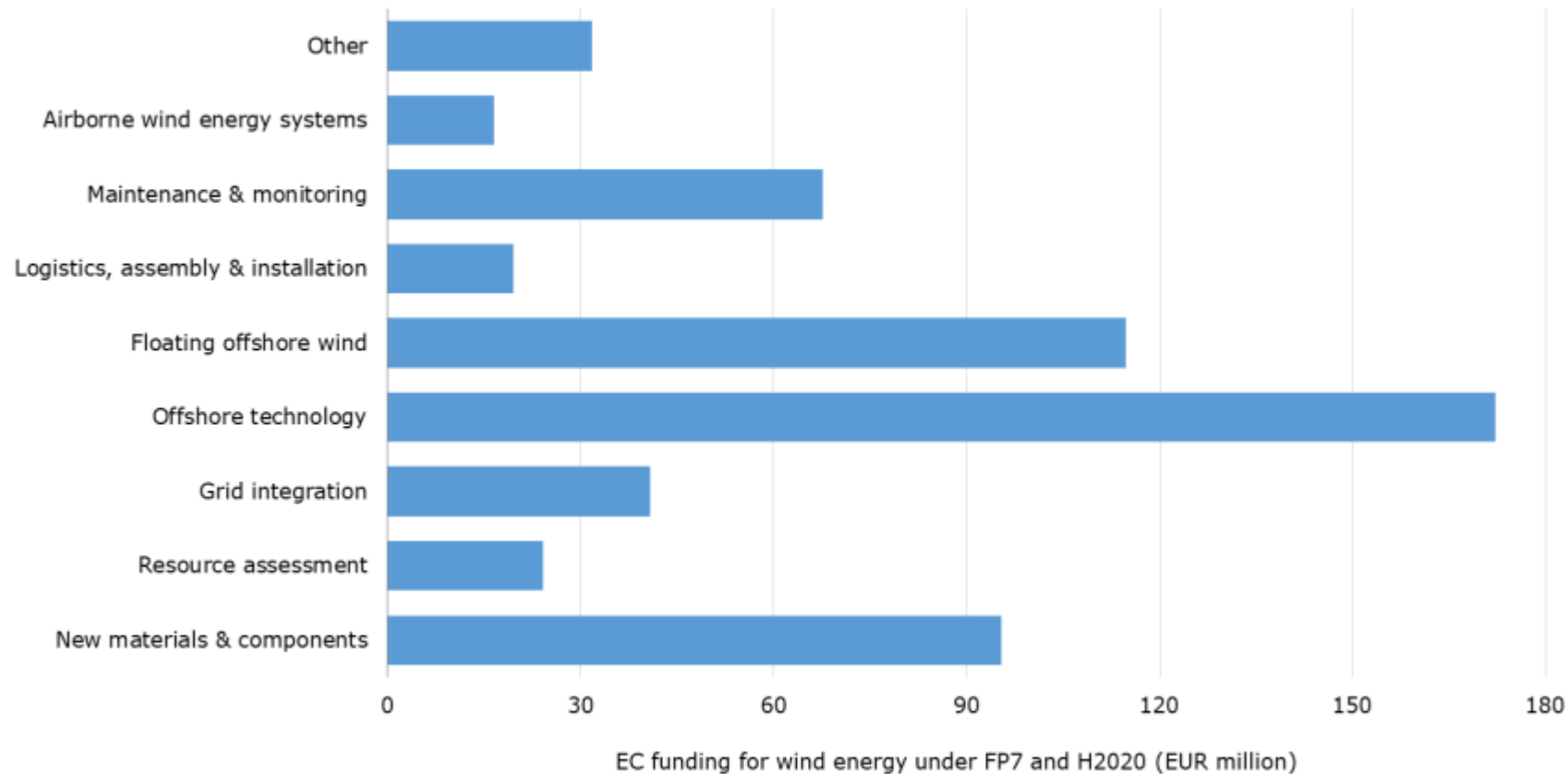
- Support the European Green Deal policies and strategies and make the SET Plan ‘fit for 55’, as well as embedding the approach of REPowerEU;
- Contribute to the ERA policy agenda and reinforce synergies with and between Member States;
- Increase the participation of all countries in SET Plan activities and increase the political visibility of the activities, in order to maximize their impact.

Opportunity to give **more consideration to matters of high priority** in the light of REPowerEU (e.g. hydrogen, materials, circularity, digitalisation, empowerment of citizen and energy storage)

- Wind: Implementation Working Group (IWG) on offshore wind decided to expand its scope to cover both onshore and offshore (February 2023)
 - Terms of reference
 - Targets revision – currently ongoing
- Communication of the Commission on SET Plan revamping most likely in **autumn 2023**
- SET Plan Conference (Viladecans – Barcellona - 13-14 November 2023)

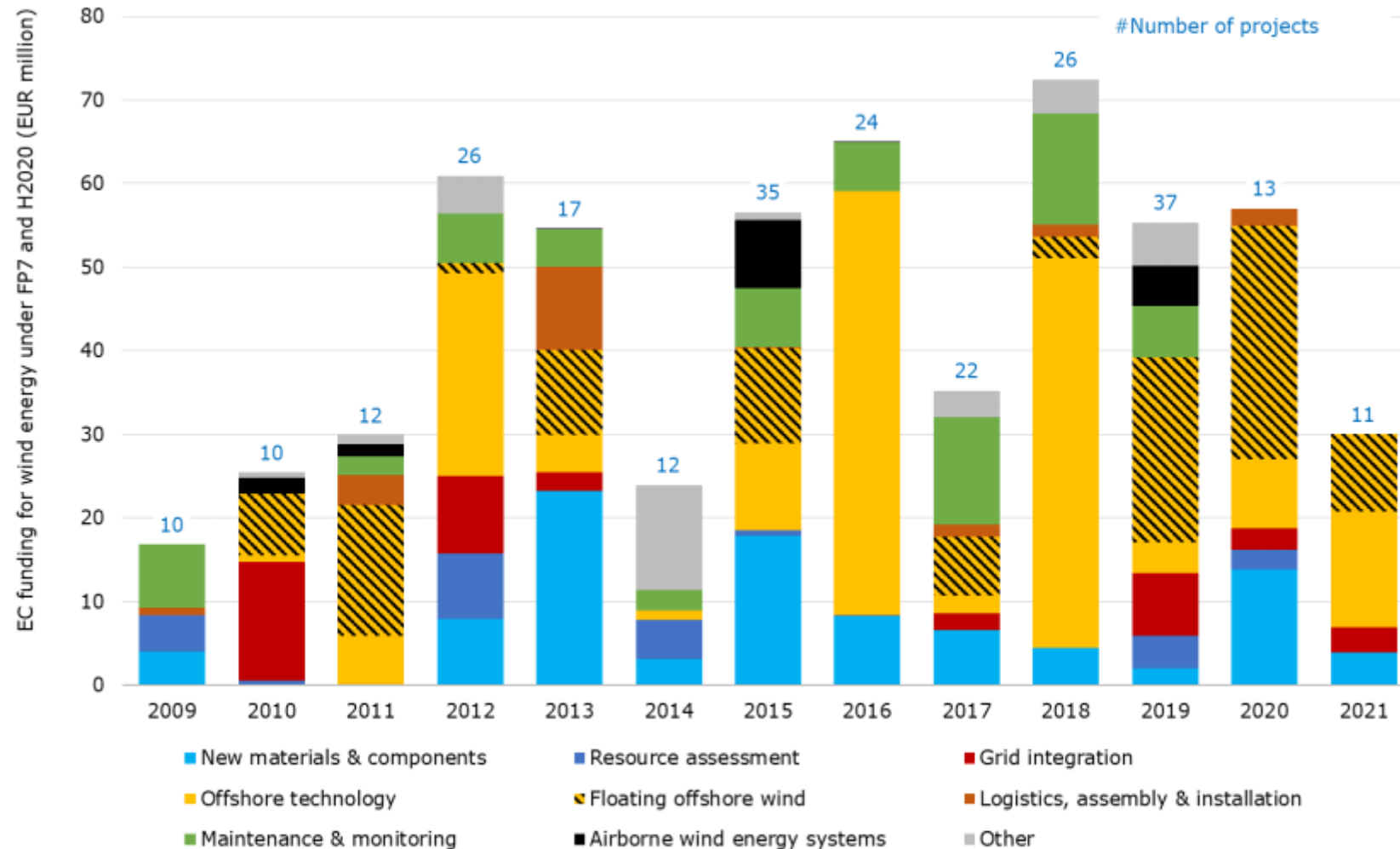
EU R&I funding – wind sector – 2009-2021

Figure 53. EC funding on wind energy R&I priorities in the period 2009 -2021 under FP7 and H2020.



Source: JRC, 2022.

EU R&I funding – wind sector – 2009-2021



Source: JRC, 2022.

Horizon Europe – cluster 5 work programme 2021 - 2022

wind-related topics ⁽¹⁾

- HORIZON-CL5-2021-D3-03-04: Physics and aerodynamics of atmospheric flow of wind for power production
 - [FLOW](#) - Atmospheric Flow, Loads and pOwer for Wind energy
 - [AIRE](#) - Advanced study of the atmospheric flow Integrating REal climate conditions to enhance wind farm and wind turbine power production and increase components durability
 - [MERIDIONAL](#) - Multiscale modelling for wind farm design, performance assessment and loading
- HORIZON-CL5-2021-D3-03-05: Wind energy in the natural and social environment
 - [WENDY](#) - Multicriteria analysis of the technical, environmental and social factors triggering the PIMBY principle for Wind technologies
 - [WIMBY](#) - Wind In My Backyard: Using holistic modelling tools to advance social awareness and engagement on large wind power installations in the EU
 - [JustWind4All](#) - Just and effective governance for accelerating wind energy

Horizon Europe – cluster 5 work programme 2021 - 2022

wind-related topics ⁽²⁾

- HORIZON-CL5-2021-D3-03-12: Innovation on floating wind energy deployment optimized for deep waters and different sea basins (Mediterranean Sea, Black Sea, Baltic Sea, North-east Atlantic Ocean)
 - [BLOW](#) - Black sea fLoating Offshore Wind
 - [INFINITE](#) - INnovative oFfshore wInd techNologies In deep waTErs
 - [NEXTFLOAT](#) - Next Generation Integrated Floating Wind Optimized for Deep Waters
- HORIZON-CL5-2021-D3-02-03: Market Uptake Measures of renewable energy systems (CSA)
 - [MARINEWIND](#)

Horizon Europe – cluster 5 work programme 2021 - 2022

wind-related topics ⁽³⁾

- HORIZON-CL5-2022-D3-01-02: Demonstration of innovative materials, supply cycles, recycling technologies to increase the overall circularity of wind energy technology and to reduce the primary use of critical raw materials
 - [Blades2Build](#) - RECYCLE, REPURPOSE AND REUSE END-OF-LIFE WIND BLADE COMPOSITES – A COUPLED PRE- AND CO-PROCESSING DEMONSTRATION PLANT
 - [EoLO-HUBs](#) - Wind turbine blades End of Life through Open HUBs for circular materials in sustainable business models
- HORIZON-CL5-2022-D3-03-04: Integrated wind farm control
 - Call closed on 10.1.2023; proposal received, evaluation ongoing
- HORIZON-CL5-2022-D5-01-03: Exploiting renewable energy for shipping, in particular focusing on the potential of wind energy (ZEWT Partnership)

Horizon Europe – cluster 5 work programme 2023-2024

Wind – related topics ⁽¹⁾

- HORIZON-CL5-2023-D3-01-05 Critical technologies for the offshore wind farm of the Future (18M€ - 6M€/project – call closed on 30.3.23)
- HORIZON-CL5-2023-D3-02-14: Digital twin for forecasting of power production to wind energy demand (12M€ - 6M€/project – call opening: 4.5.23; call closing 5.9.23)
- HORIZON-CL5-2023-D3-02-15: Critical technologies to improve the lifetime, efficient decommissioning and increase the circularity of offshore and onshore wind energy systems (12M€ - 4M€/project – call opening: 4.5.23; call closing 5.9.23)

[Search Funding & Tenders \(europa.eu\)](https://europa.eu)

Horizon Europe – cluster 5 work programme 2023-2024

Wind – related topics ⁽²⁾

- HORIZON-CL5-2024-D3-02-08: Minimisation of environmental, and optimisation of socio-economic impacts in the deployment, operation and decommissioning of offshore wind farms (10M€ - 5M€/project – call opening: 7.5.24; call closing 5.9.24)
- HORIZON-CL5-2024-D3-02-09: Demonstrations of innovative floating wind concepts (30M€ - 15M€/project – call opening: 7.5.24; call closing 5.9.24)

Horizon Europe – work programme (WP) 2025 and following

- Adoption of the Strategic Plan 2025 – 2027: early 2024
- Work programme 2025:
 - Only urgent needs and continuity of some recurrent actions: early 2024
 - Full WP in early 2025 – including ‘politically sensitive’ files
 - Topics drafting: likely to start in early 2024 – flexibility needed to consider new College’s priorities
- New College of Commissioners: end 2024

Exact procedure and timing still to be fully defined

Upcoming events

- **REPowerEU – financial opportunities for research and innovation** - Information event for the research & innovation community in the areas of energy, mobility, transport and Euratom



[Events | The research and innovation community platform \(europa.eu\)](https://europa.eu)

Thank you



© European Union 2020

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.



Update on the EU policy context and ETIPWind activities

ETIPWind Secretariat

The EU policy context has changed



*“We have a once in a generation opportunity to show the way with speed, ambition and a sense of purpose to secure the EU's industrial lead in the fast-growing net-zero technology sector. Europe is determined to lead the clean tech revolution. For our companies and people, it means turning skills into quality jobs and innovation into mass production, thanks to a **simpler and faster framework**. Better access to finance will allow our key clean tech industries to **scale up quickly**.”*

– Ursula von der Leyen.

The EU policy context has changed



EU Net Zero Industry Act

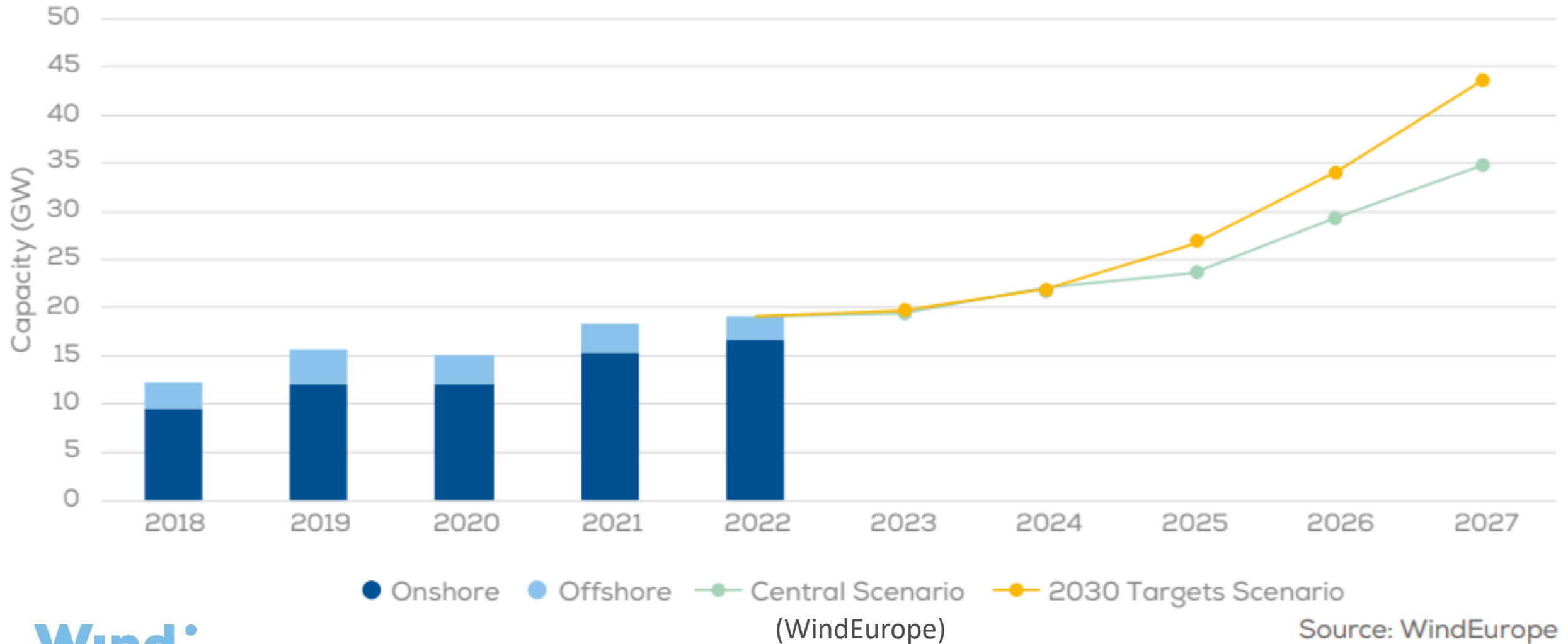
- **36 GW target** for annual wind turbines production
- Governments mandated to use up to **30% non-price criteria** in auctions
- **No Funding / Financing** announcements for now



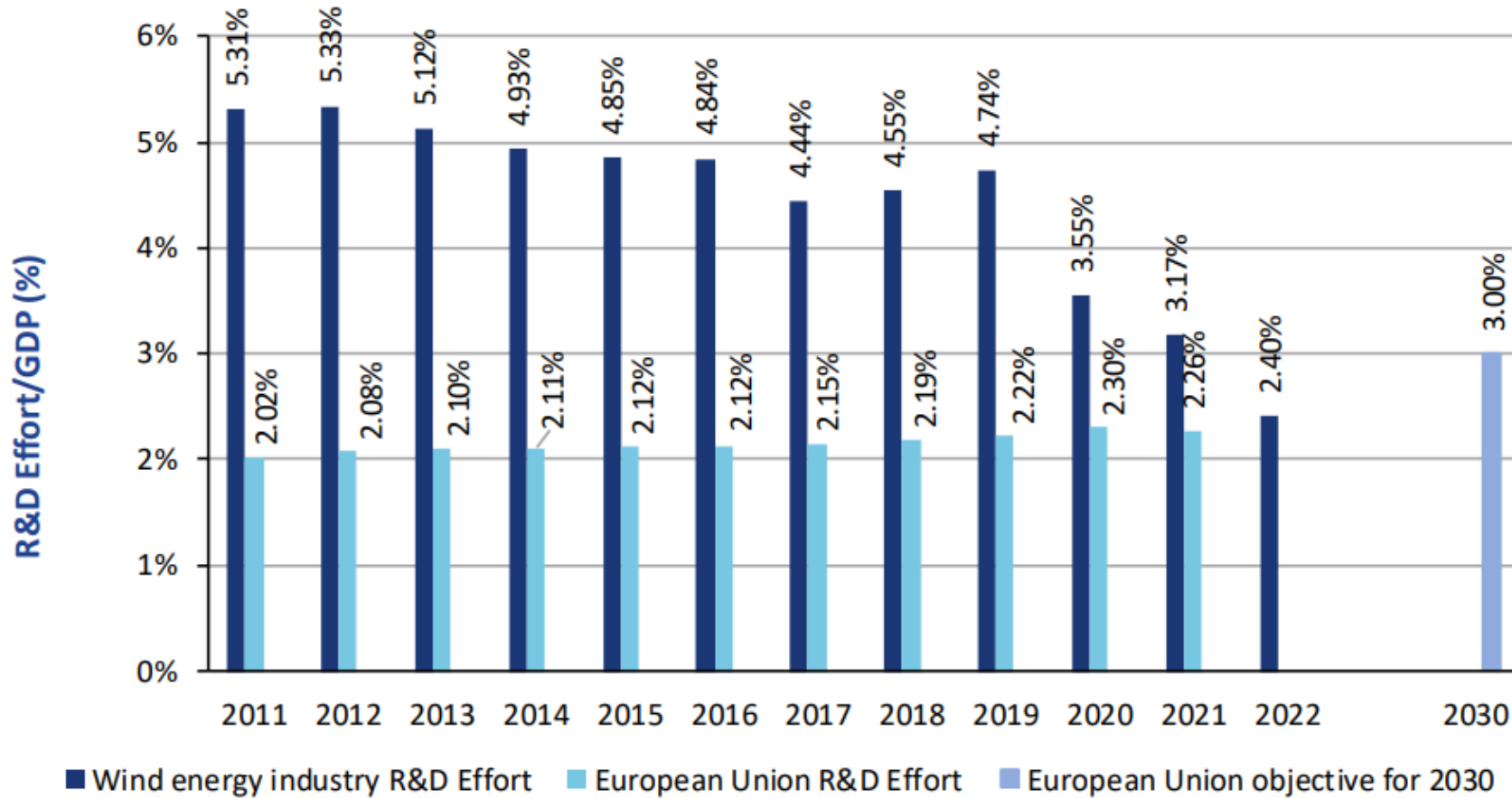
EU Critical Raw Materials Act

- **Focus on raw materials** (Rare earths, copper, lithium)
- 2030 targets for mining, processing and recycling capacity
- **No Funding / Financing** announcements for now
- Fast permits and easier financing for Strategic Raw Materials Projects

Europe must step-up annual installations to deliver targets

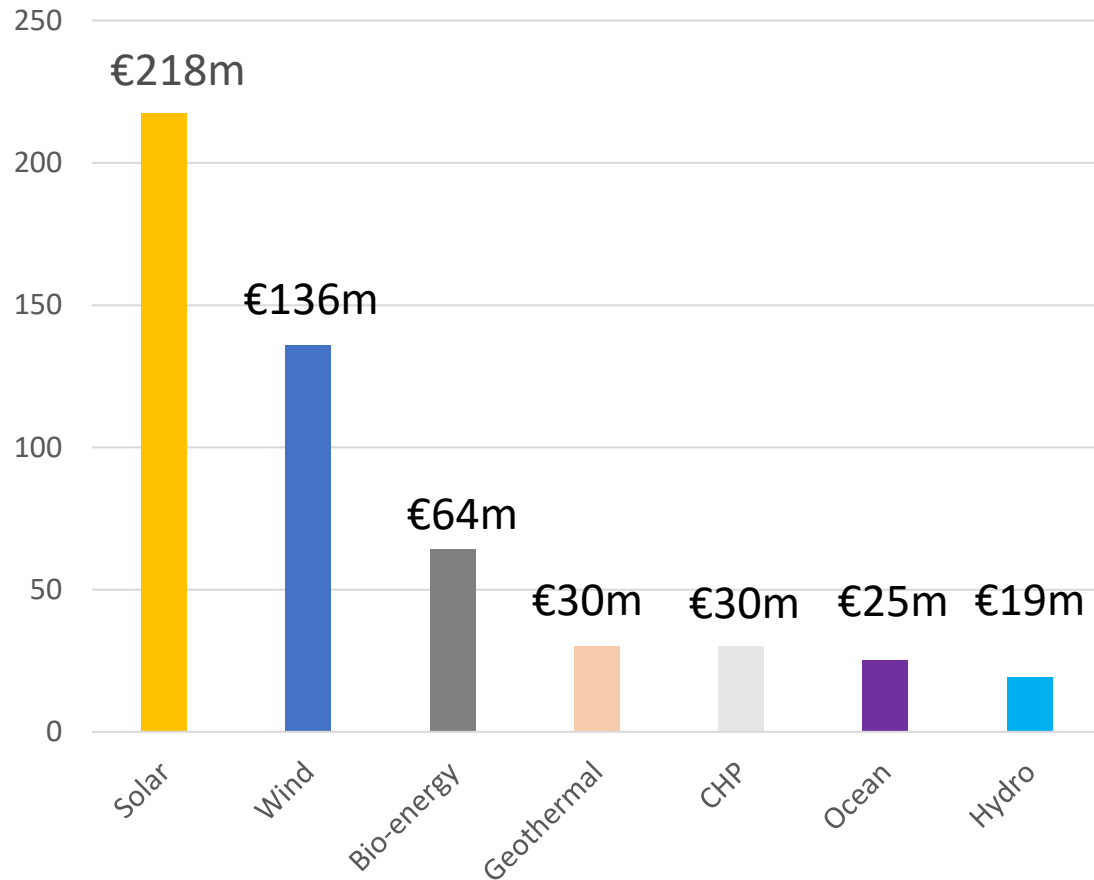


EU wind energy sector R&D investment

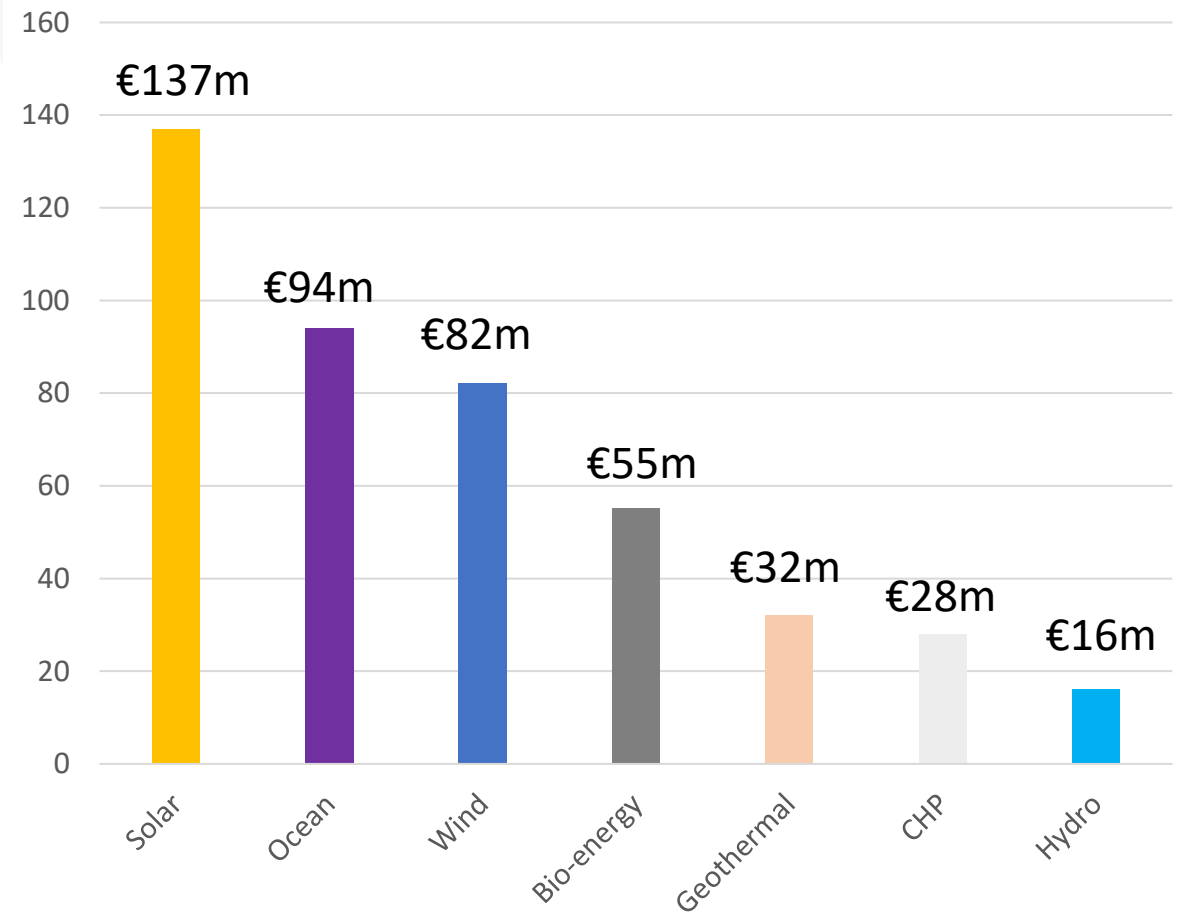


EU Funding for wind energy R&I

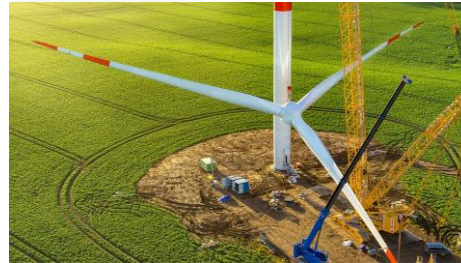
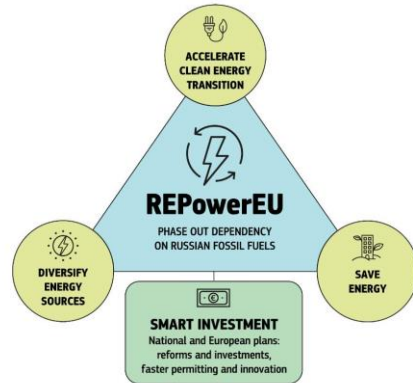
Technology specific funding for renewables in **Horizon Europe 2021-2022** work programme "Climate, Energy & Mobility" (in €million, reported prices)



Technology specific funding for renewables in **Horizon Europe 2023-2024** work programme "Climate, Energy & Mobility" (in €million, reported prices)



Wind energy needs to be embedded in all EU files including R&I



Permitting



EU environmental policy



EU Market design

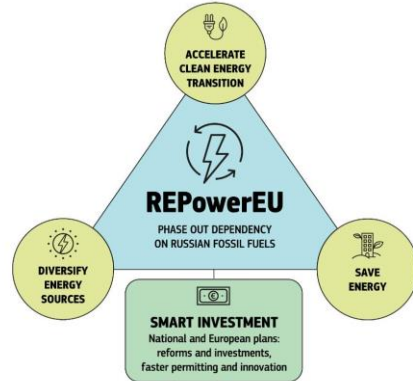


EU Industrial policy



EU R&I policy

Wind energy needs to be embedded in all EU files including R&I



Permitting



EU environmental policy



EU Market design



EU Industrial policy



EU R&I policy

Key achievements since our last meeting



Bilbao, 4 April 2022

Zurich, 3 May 2022



Key achievements since our last meeting

Election of a new ETIPWind Steering Committee

9 additional experts elected



ETIPWind relaunch event in Brussels

More than 120 attendees, 9 EU and national policymakers

Key achievements since our last meeting



ETIPWind in the SET Plan Conference

Presentation, booth and meeting with Rosalinde van der Vlies (DG RTD)



ETIPWIND'S RESPONSE TO THE EU CONSULTATION ON THE HORIZON EUROPE STRATEGIC PLAN 2025-2027

FEBRUARY 2023

The European Technology and Innovation Platform on Wind energy (ETIPWind) welcomes the opportunity to input the Horizon Europe Strategic Plan 2025-2027.

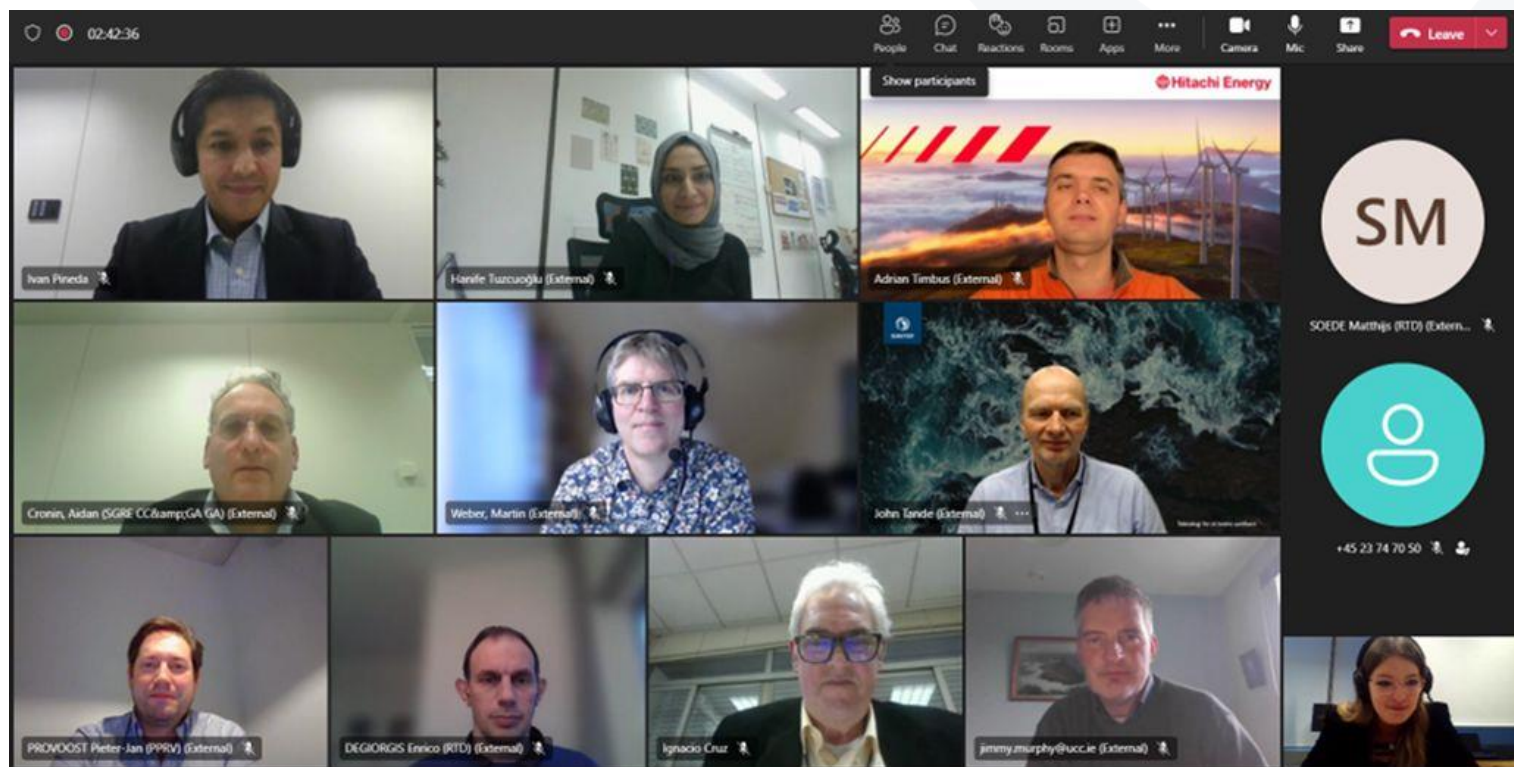
ETIPWind provides a public platform to wind energy stakeholders to identify common Research & Innovation (R&I) priorities and to foster breakthrough innovations in the sector. It informs policymakers on how to maintain Europe's global leadership in wind energy technology so that wind delivers on the EU's climate and energy objectives.

ETIPWind recognises that the EU R&I policies have been instrumental in advancing wind energy technology in Europe, clearly envisioning its significant role in today's and future energy system. However, the wind supply chain is currently struggling as a consequence of various factors stemming from the poly-crises Europe is facing. First from the pandemic, then from the uneven global recovery and the subsequent supply chain bottlenecks, then from the energy prices spike due to the invasion of Ukraine, and finally due to assertive US industrial policies.

This requires an **EU-coordinated policy response, including R&I policies** to secure Europe's global technology leadership. There has never been a stronger need for a forward-looking EU industrial R&I policy than today. In the next few years, the economic shape of the net zero age will be firmly set, in the own words of the EU's President Ursula von der Leyen. Horizon Europe must be part of this.

ETIPWind's position on the Horizon Europe strategic plan 2025-2027

Key achievements since our last meeting



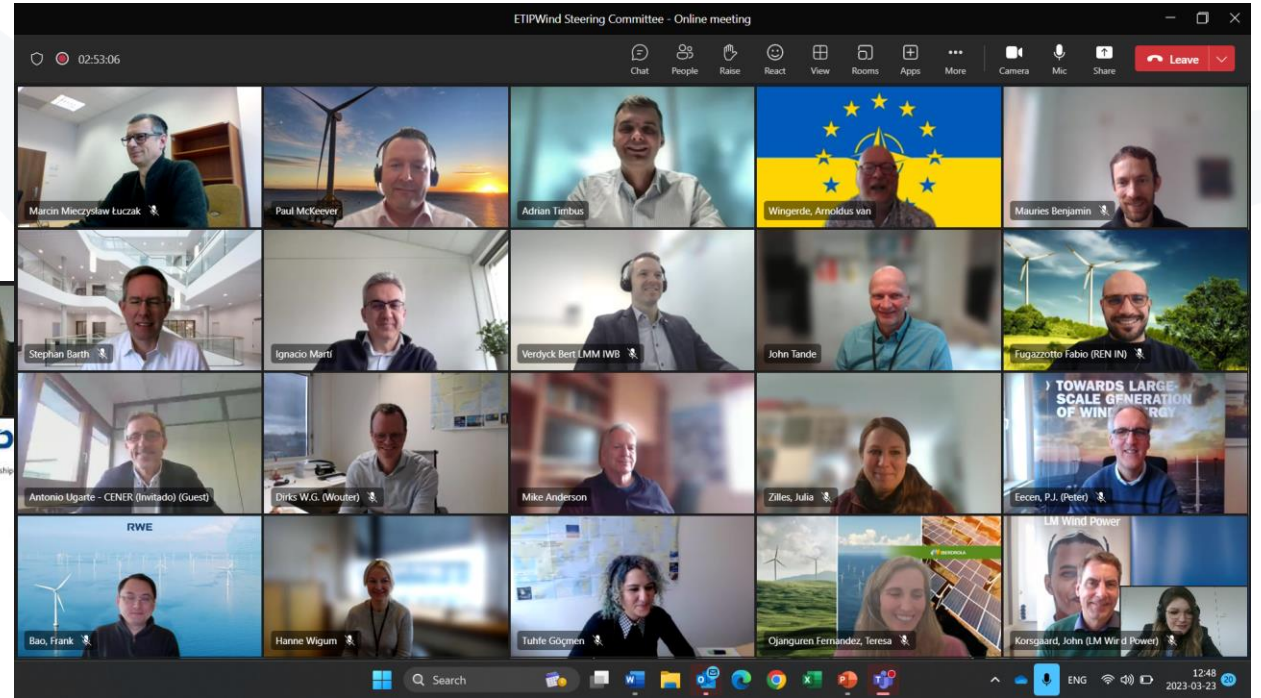
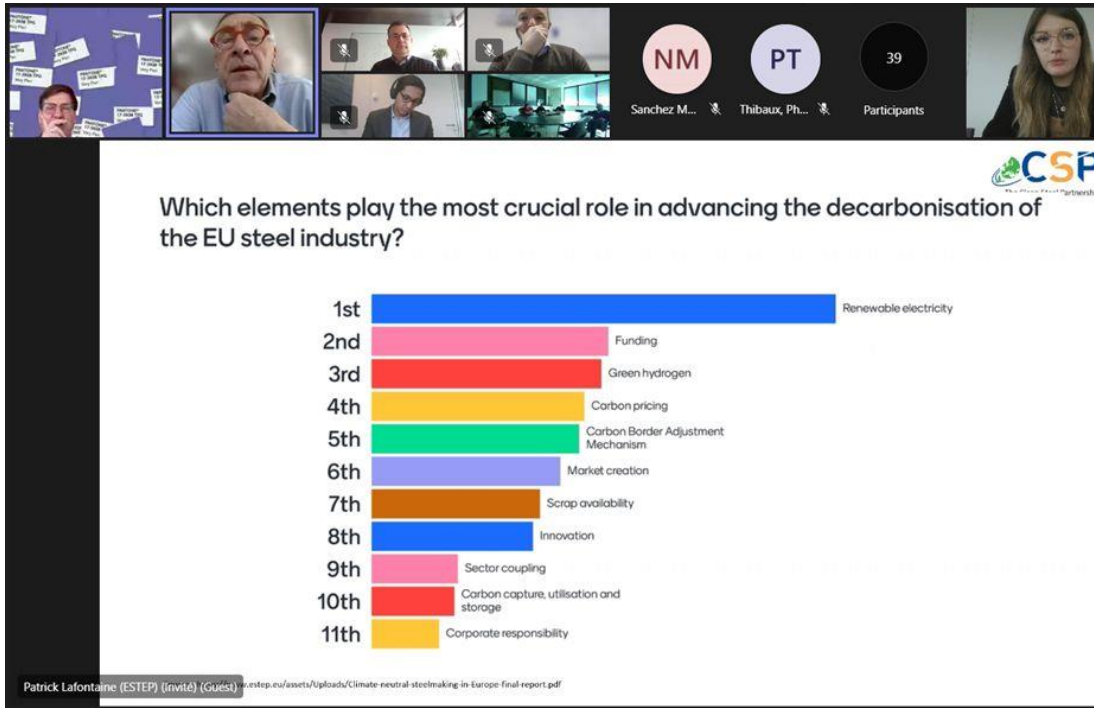
IWG Wind kick-off meeting

With the Member States representatives to start defining targets at the national level.

Key achievements since our last meeting

Workshop with the Clean Steel Partnership

To discuss green steel production and circularity



ETIPWind Gap analysis conducted by the Steering Committee

6 Working Groups to compare the Horizon Europe projects and calls with ETIPWind roadmap

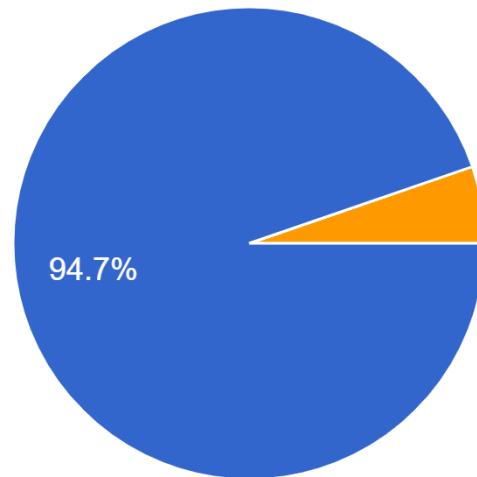
Collaboration with EERA's JP Wind

Ignacio Marti
Head of Division Wind Energy Materials and
Components, DTU
ETIPWind Vice-Chair

Ignacio Marti elected as 2nd Vice-Chair of the Steering Committee

Do you support Ignacio Marti (DTU, EERA's JP Wind Coordinator) as Vice-Chair of the ETIPWind Steering Committee?

19 responses



- YES
- NO
- I prefer to abstain



Towards a EU Centre of Excellence

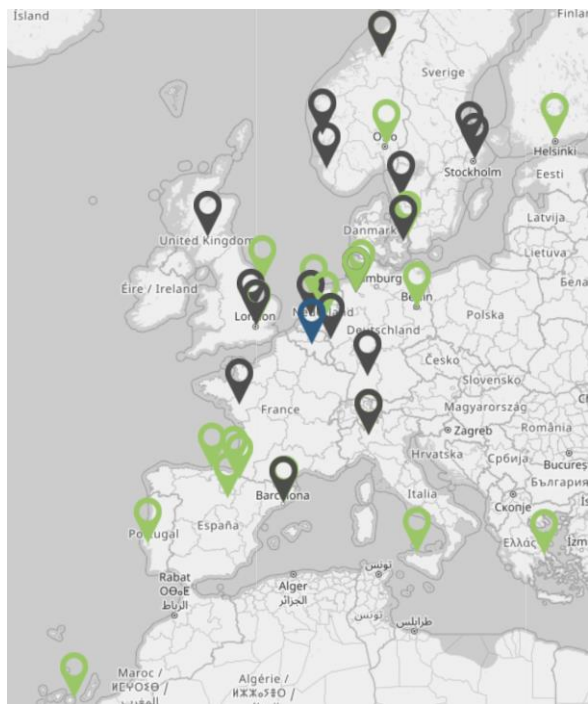
Ignacio Marti
Coordinator – EERA JP Wind

CTO Forum ETIPWind, 27 April 2023



etipwind.eu

JP Wind: the largest EU wind energy R&D network



- ▶ 46 organisations (16 full members, 30 associates), 14 countries
- ▶ A one-stop shop for public wind energy R&D
- ▶ A platform for coordination of research facilities, data and human resources
- ▶ A driving force in maintaining Europe's role as home to the world's most advanced OEMs, sub-suppliers and developers.

EU Member States

European Commission

ETIP Wind
EUROPEAN TECHNOLOGY & INNOVATION PLATFORM ON WIND ENERGY

EERA
European Energy Research Alliance
JP WIND

Industry voice
Short-Medium term

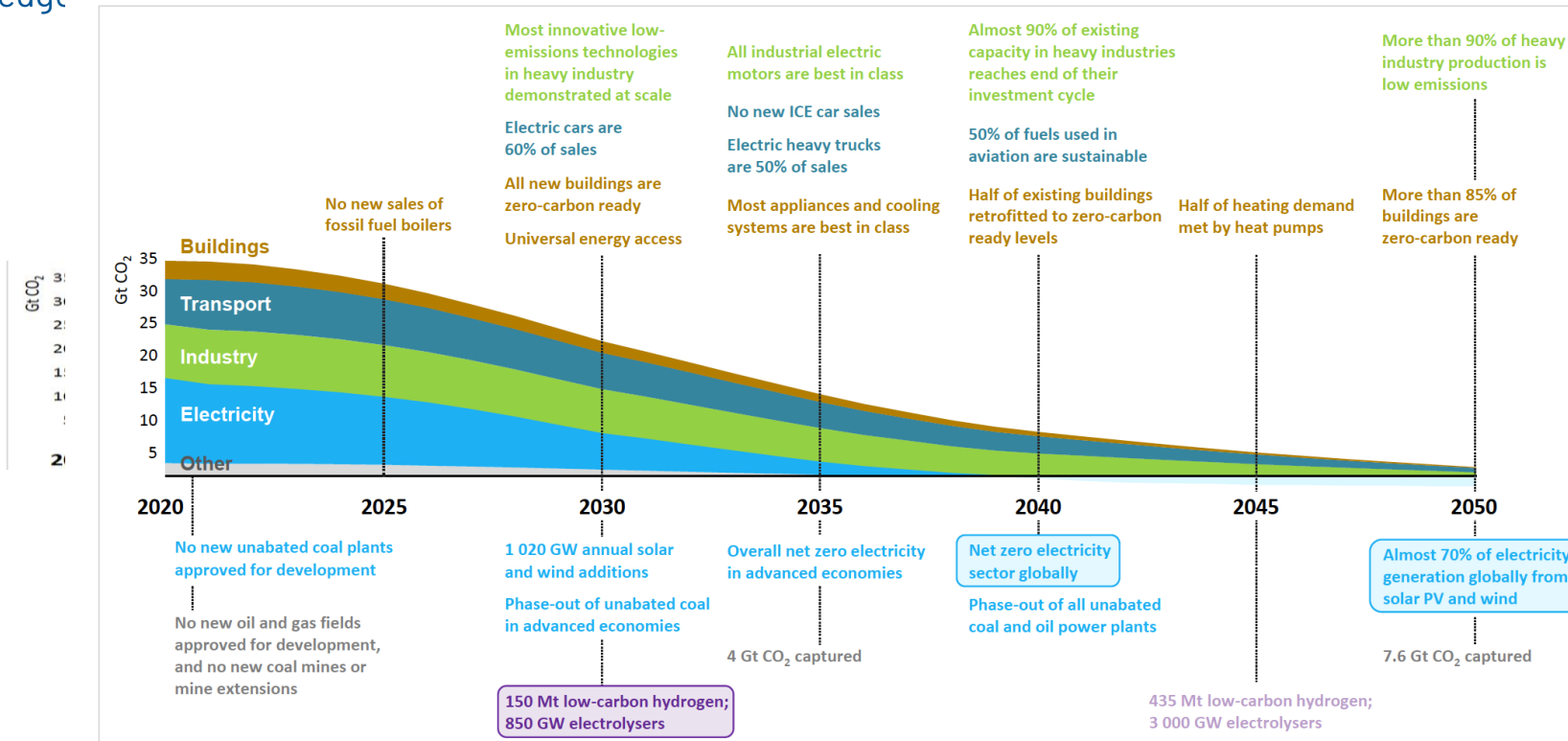
Research community voice
Medium-Long term

A more strategic way of planning for JP Wind : Moving into a Research Program as basis for a European Centre of Excellence

A research plan as the core for a Centre of Excellence

- ▶ Focus on the medium to long term up to 2050
- ▶ Identify knowledge
- ▶ Turning knowledge

Set near-term milestones to get on track for long-term targets



IEA 2021. All rights reserved.

Page 8

Research Program for Wind Energy

2050 VISION :
Carbon neutrality
Massive renewables
deployment
RES based energy system

Program development:

- ▶ Identify the research that needs to be done to achieve the REPowerEU vision and IEA NetZero by 2050
- ▶ Translate the vision into wind energy specific context (i.e. materials, sustainability, size, flexibility, etc)
- ▶ Assess what knowledge is needed to achieve the vision
- ▶ Define key challenges (i.e. industrialization, sustainability, etc) connected to the vision:
 - ▶ What milestones are needed
 - ▶ What research should be done
 - ▶ Timing
 - ▶ Build on existing lighthouse initiatives
- ▶ **The Research Program should be able to attract funding to sponsor key projects**
- ▶ **The JP supported project to develop the Research Program will start May 2023**

Research Program for Wind Energy: the core of a European Centre of Excellence

- ▶ EERA JP Wind is moving towards becoming a European Centre of Excellence (EUCoE):
 - ▶ Track wind energy research progress on an ongoing basis through or network of members
 - ▶ Update the Research Program regularly
 - ▶ Monitor key projects (EU and national) through our members
 - ▶ Report to European Commission
 - ▶ Make the case for research funding as needed based on progress
 - ▶ Ensure wind energy meet 2050 targets

Coffee Break 11:00-11:10

Keynote speech

Henrik Stiesdal
Founder, CTO and Board member of
Stiesdal A/S

Discussion on ETIPWind Gap analysis and R&I topics 2025-2027

Jacob Edmonds
Head of Innovation, Ørsted
ETIPWind Vice-Chair

Objective of the Gap analysis

➤ Gap analysis = 1st step to update the ETIPWind Strategic R&I Agenda (2025-2027)

Gap analysis

Assessment of topics covered /not covered by Horizon Europe compared to ETIPWind priorities (2019 roadmap)



New R&I Pillars

To better fit the R&I needs of the wind sector today

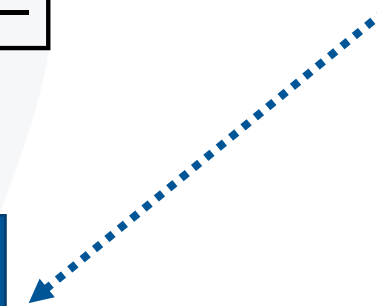


List of key actions

For each pillar: list of R&I actions with short descriptions



Updated Strategic R&I Agenda



Recommendations on the calls for proposals to be included in the Horizon Europe Work Programme 2025-2027



HORIZON EUROPE

Gap analysis methodology

CTOs input

ETIPWind
Gap analysis



ETIPWind R&I priorities vs.
Horizon Europe topics 2021-2022

Past

ETIPWind
Gap analysis



ETIPWind R&I priorities vs.
Horizon Europe topics 2023-2024

Present

ETIPWind
Strategic R&I
Agenda



ETIPWind R&I priorities for 2025-
2027

Future

Working group overview

- **WG1** – Grid & System integration
- **WG2** – Operations & Maintenance
- **WG3** – Next Generation Technologies
- **WG4** – Offshore balance of plant
- **WG5** – Floating wind
- **WG6** – Skills & Human Resources



WG1 – Grid & System integration

Research area	Horizon Europe WP2021-22 projects	Horizon Europe WP2023-24 calls
Integrated forecasting of power production & demand	Partially addressed	Partially addressed
Short-term energy storage	Partially addressed	Not addressed
Long-term energy storage	Partially addressed	Partially addressed
Multi-cultured wind farms	Not addressed	Not addressed
Modelling future system needs	Partially addressed	Not addressed
Optimising transmission infrastructure	Totally addressed	Partially addressed
Quantification of system services	Partially addressed	Partially addressed
Sustainable hybrid solutions	Not addressed	Not addressed
Stable system with 100% RES	Partially addressed	Partially addressed

WG2 – Operation & Maintenance

Research area	Horizon Europe WP2021-22 projects	Horizon Europe WP2023-24 calls
Lifetime assessment and condition monitoring	Not addressed	Partially addressed
Digital tools for control and monitoring	Partially addressed	Partially addressed
Robotic inspection and repair methods	Not addressed	Partially addressed
Dynamic cable repair solutions	Not addressed	Not addressed
Digital solutions for smart operations	Partially addressed	Partially addressed
Predicting environmental parameters	Partially addressed	Partially addressed
Decommissioning strategies and technology	Not addressed	Partially addressed
Solutions for operating in extreme conditions	Not addressed	Not addressed

WG3 – Next Generation Technologies

Research area	Horizon Europe WP2021-22 projects	Horizon Europe WP2023-24 calls
Development and validation of components & materials	Partially addressed	Partially addressed
Blade recycling demonstration	Totally addressed	Not addressed
Integrating wind energy in the surrounding natural and social environment	Partially addressed	Partially addressed
New transportation methods for large components	Not addressed	Partially addressed
Development of sustainable materials	Not addressed	Partially addressed
Standards	Not addressed	Not addressed
Manufacturing processes	Not addressed	Partially addressed
Sensor technologies diagnostics and response	Not addressed	Not addressed
Next generation generators	Not addressed	Partially addressed
Noise reduction	Not addressed	Not addressed
Reliability of components	Not addressed	Partially addressed
Recycling methods for materials and components	Totally addressed	Partially addressed
Disruptive technologies	Not addressed	Partially addressed

WG4 – Offshore balance of plant

Research area	Horizon Europe WP2021-22 projects	Horizon Europe WP2023-24 calls
Data availability and sharing	Not addressed	Partially addressed
Serial production - analysis of substructure production processes	Not addressed	Not addressed
Cabling and connections	Partially addressed	Partially addressed
Material durability and protection	Partially addressed	Partially addressed
Cross-industry agreement and standards	Not addressed	Not addressed
Integrated optimised design plan	Not addressed	Partially addressed
Verification of methods and procedures	Not addressed	Partially addressed
Supply chain logistics (decommissioning)	Not addressed	Partially addressed

WG5 – Floating wind

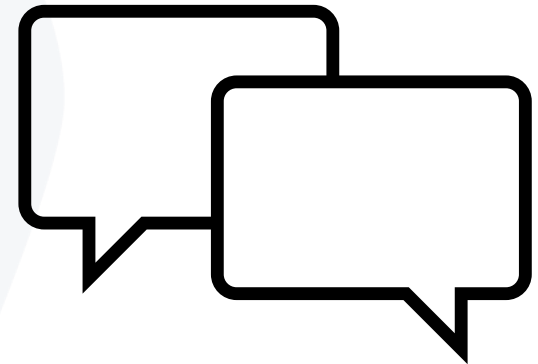
Research area	Horizon Europe WP2021-22 projects	Horizon Europe WP2023-24 calls
Lean production	Not addressed	Not addressed
Validation of design tools	Partially addressed	Partially addressed
Mooring and anchors	Partially addressed	Not addressed
Dynamic electric cables	Partially addressed	Partially addressed
Control methods	Partially addressed	Not addressed
Integrated design process in supply chain	Partially addressed	Not addressed
Floating installation, assembly and heavy maintenance	Partially addressed	Not addressed
Park level control	Not addressed	Not addressed

WG6 – Skills and human resources

Research area	Horizon Europe WP2021-22 projects	Horizon Europe WP2023-24 calls
Expand and harmonise wind energy teaching in Europe	Partially addressed	Not addressed
Boost wind energy higher education	Not addressed	Not addressed
Joint academia-industry educational programmes	Partially addressed	Not addressed

Share your thoughts

- Your feedback on the **Gap analysis conclusions**
- The **top-3 R&I priorities** that you think are the most relevant for the period 2025-2027



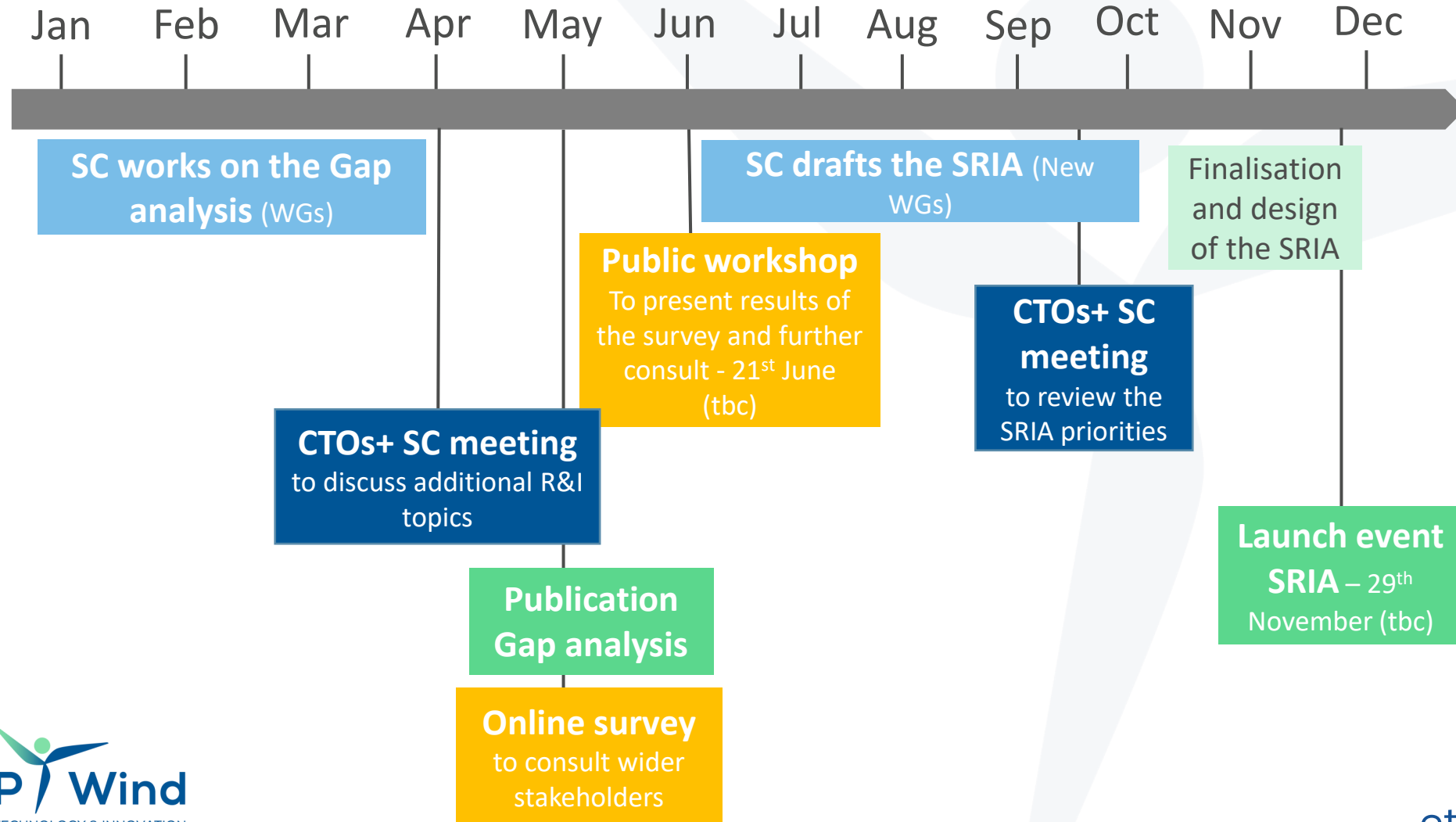
Share your thoughts

- **Belen Linares**, Acciona
- **Celine Mahieux**, Shell
- **Cesar Yanes**, Iberdrola
- **Jochen Kreuzel**, Hitachi Energy
- **Joerg Scholle**, ENERCON
- **Hanif Mashal**, LM Wind Power (replaced by John Korsgaard)
- **Martin Knops**, ZF Wind Power
- **Mike Anderson**, RES
- **Poul Skjaerbaek**, Siemens Gamesa
- **Rajnish Sharma**, Equinor
- **Stéphanie Abrand**, SAIPEM

Conclusion

Jacob Edmonds
Head of Innovation, Ørsted
ETIPWind Vice-Chair

Timeline to update the Strategic R&I Agenda



Conclusion & Next steps

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

Other upcoming activities

- **Factsheet on the revised National Energy & Climate Plans** (in collaboration with Implementation Working Group on Wind energy)
- **Meetings with EU policy-makers** to disseminate ETIPWind's new R&I priorities
- Participation to **EUSEW 2023** with other ETIPs (ETIPs Forum)
- 2nd (public) workshop with the **Clean Steel Partnership**.
- **Joint activities** with other ETIPs and IWGs (e.g. workshop on acceptability)



THANK YOU

Contact: secretariat@etipwind.eu

Time for a picture!

And join us for a networking lunch! 13:00-13:45