

**PRIORIDADES DE INNOVACIÓN INTERNACIONALES EN  
ENERGÍA EÓLICA**



MINISTERIO  
DE CIENCIA  
E INNOVACIÓN



## **CENTRO EUROPEO DE EXCELENCIA EN ENERGÍA EÓLICA**

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**IGNACIO MARTÍ,  
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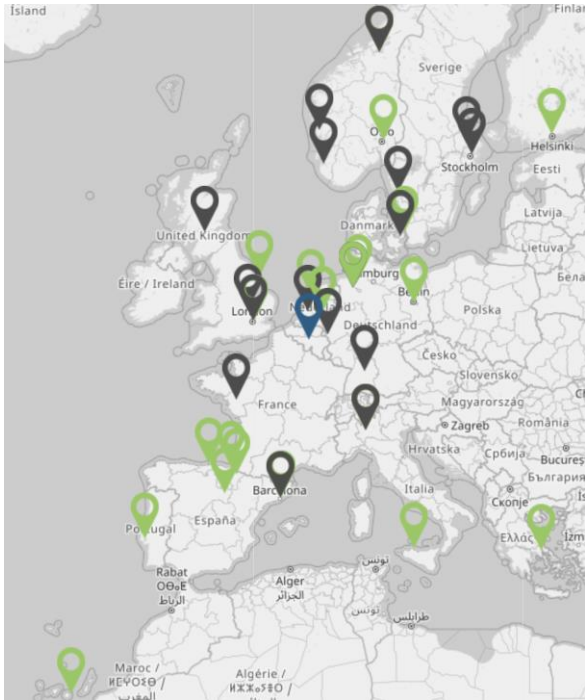
# Towards a European Centre of Excellence on Wind Energy (EuCoE4W)

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**Head of Division – Technical University of Denmark (DTU)**

**REOLTEC**  
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# JP Wind: the largest European wind energy R&D network



- ▶ 46 organisations (16 full members, 30 associates), 14 countries
- ▶ A platform for coordination of research facilities, data and human resources
- ▶ We bring wind energy research at the top of the agenda and coordinate our work across Europe
- ▶ We engage with key stakeholders like European Commission, national funding agencies and industry

- ▶ **Europe needs a framework for long-term coordination and cooperation on wind energy research**

European Countries

European Commission

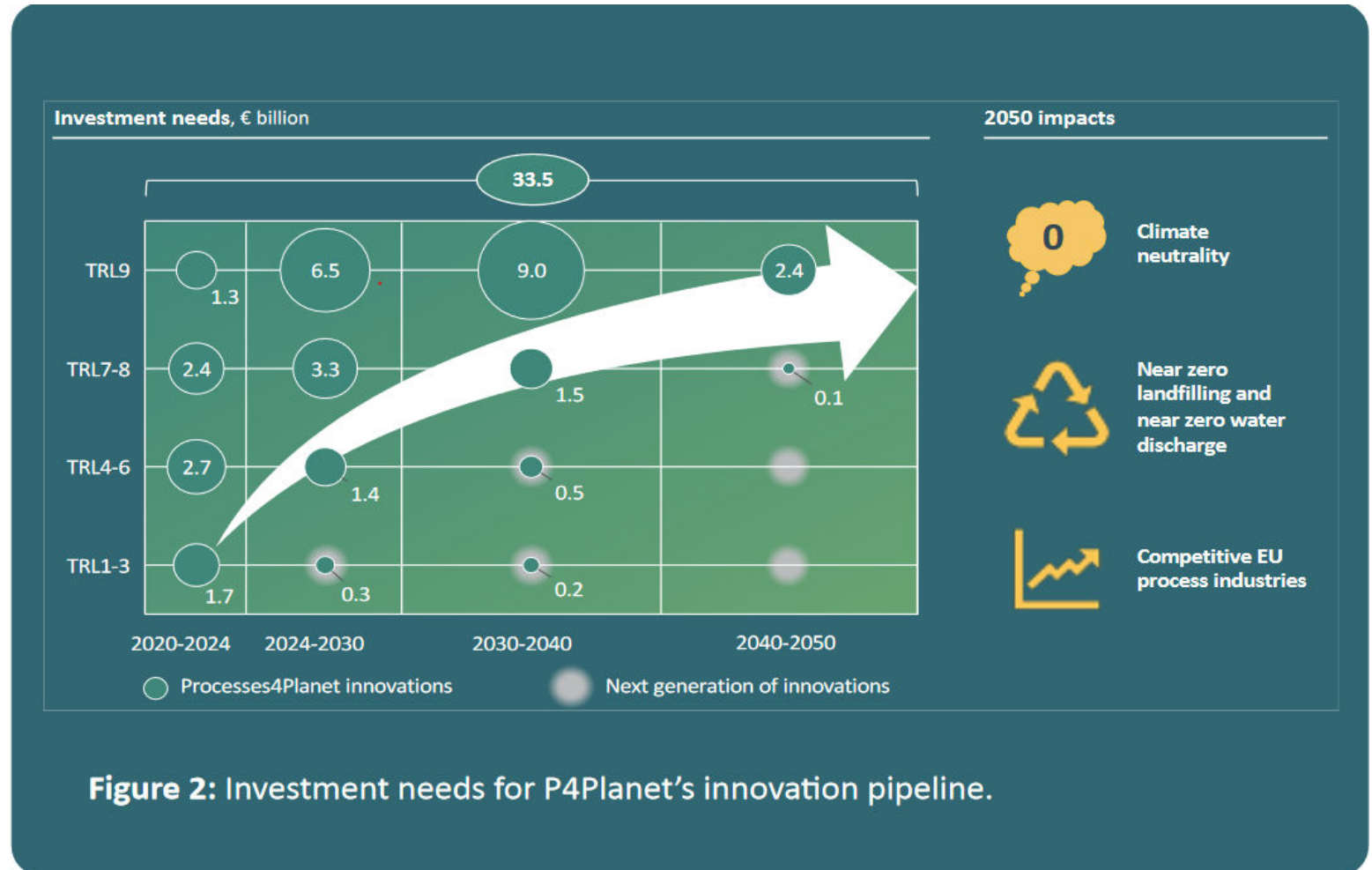


- Industry perspective
- Short-Med. term

- Research community perspective
- Med.-Long term

# Why a European Centre of Excellence for Wind Energy? (EuCoE4W)

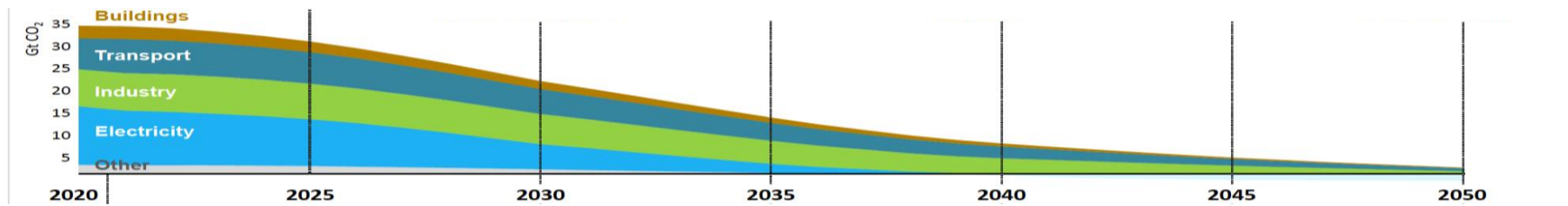
*From isolated projects  
to a fully coordinated  
program spanning up  
to 2050*



# NeWindEERA Research Program as the core for the EuCoE4W

- ▶ Focus on the medium to long term up to 2050
- ▶ Identify knowledge gaps related to deployment targets
- ▶ Turning knowledge gaps into research actions and solutions

**Net Zero by 2050** 



**REPowerEU**



# Vision and scope of the EuCoE4W

## Vision

- ▶ Support the implementation of European green transition plans through research-based development of wind energy, fulfilling 2050 Net Zero targets

## Scope of work

- ▶ Providing ongoing **strategic research planning through research program up to 2050**
- ▶ **Collaborative research projects within a co-funded research program**
- ▶ **Running funding calls** that respond to the research program needs
- ▶ **Tracking state of wind energy research** by monitoring key public funded projects (EU and national) through our members
- ▶ **Facilitate and accelerate** research collaboration across Europe

# EuCoE4W: Operational model

Program definition

ETIP Wind SRIA

EERA JP Wind Research Program 2050

Program implementation

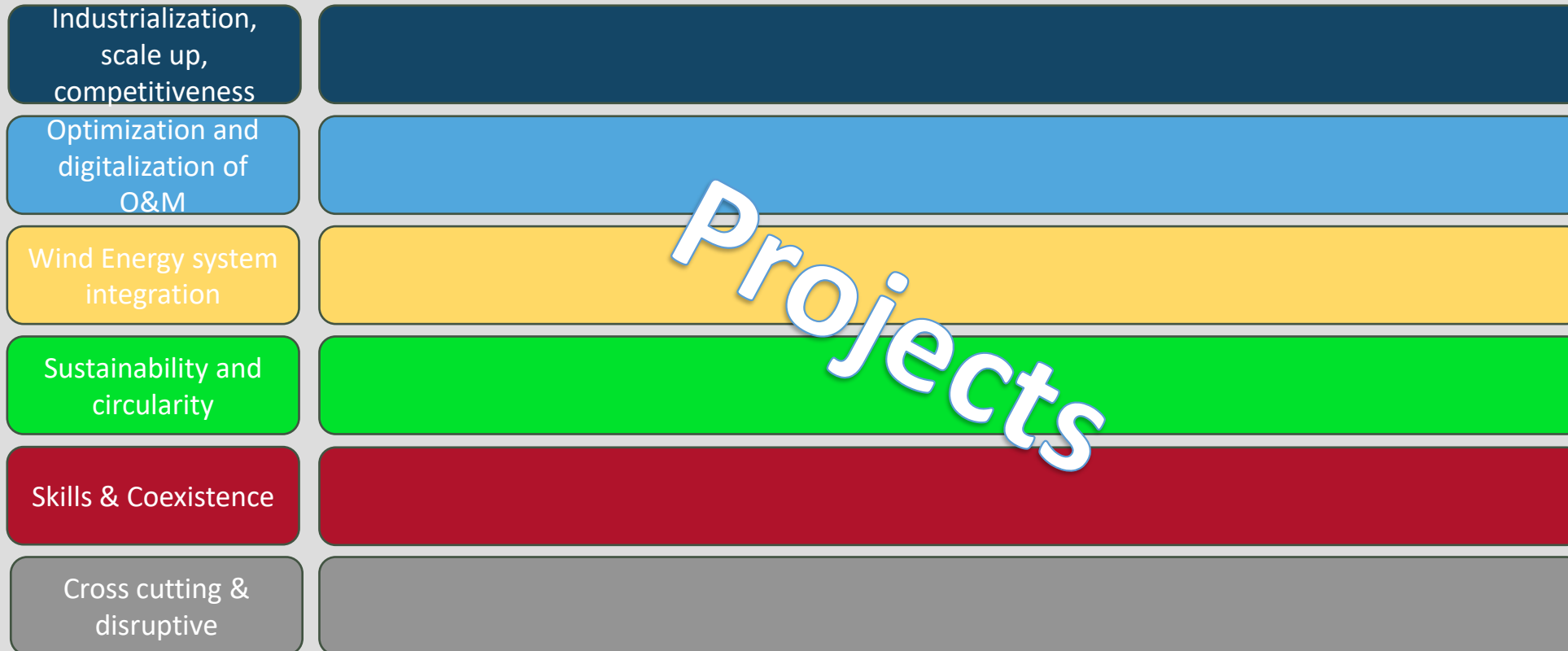
2025

2027

2040

2050

EuCoE4W



Funding

Horizon Europe

National programs

Industry

# Principles for the establishment of a European Centre of Excellence on Wind energy (EUCoE4W)

## Inclusivity and independence:

- ▶ Include all JP members plus potentially new ones
- ▶ Include all research topics to reach the wind energy global goals of 2050 (onshore + offshore)
- ▶ Independence to assess research needs and progress

## Impact:

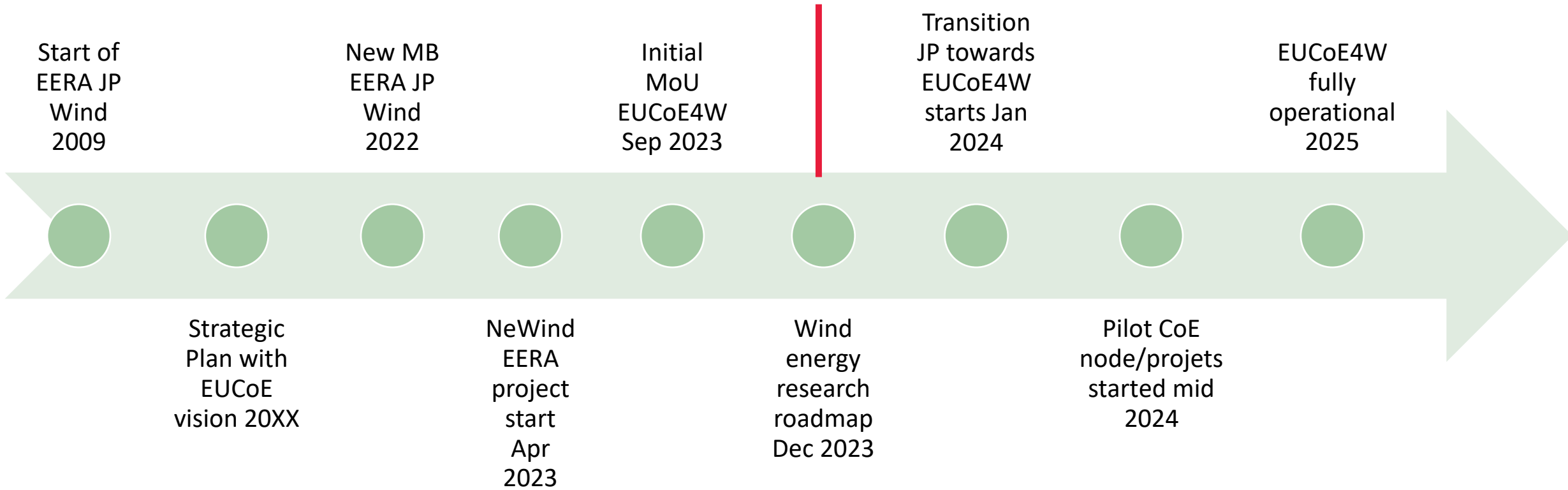
- ▶ Assess “state of research”, gap analysis, specific technologies research status, etc.
- ▶ Reports to European Commission, Member States and other stakeholders
- ▶ Closely collaborate with ETIPWind to ensure industry value

## Main outcome:

- ▶ *European leadership in wind energy by enabling world class research, effective coordination, collaboration and efficient use of research resources*



# EuCoE Timeline





# Thank you

<https://www.eera-wind.eu>

