



Towards a European Centre of Excellence on Wind Energy (EuCoE4W)

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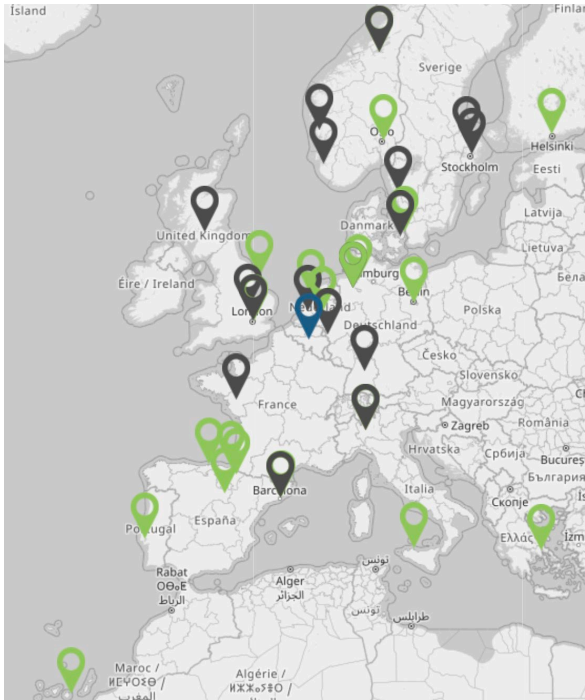
Head of Division - Technical University of Denmark (DTU)

EERADeepWind conference

17th – 19th January 2024



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

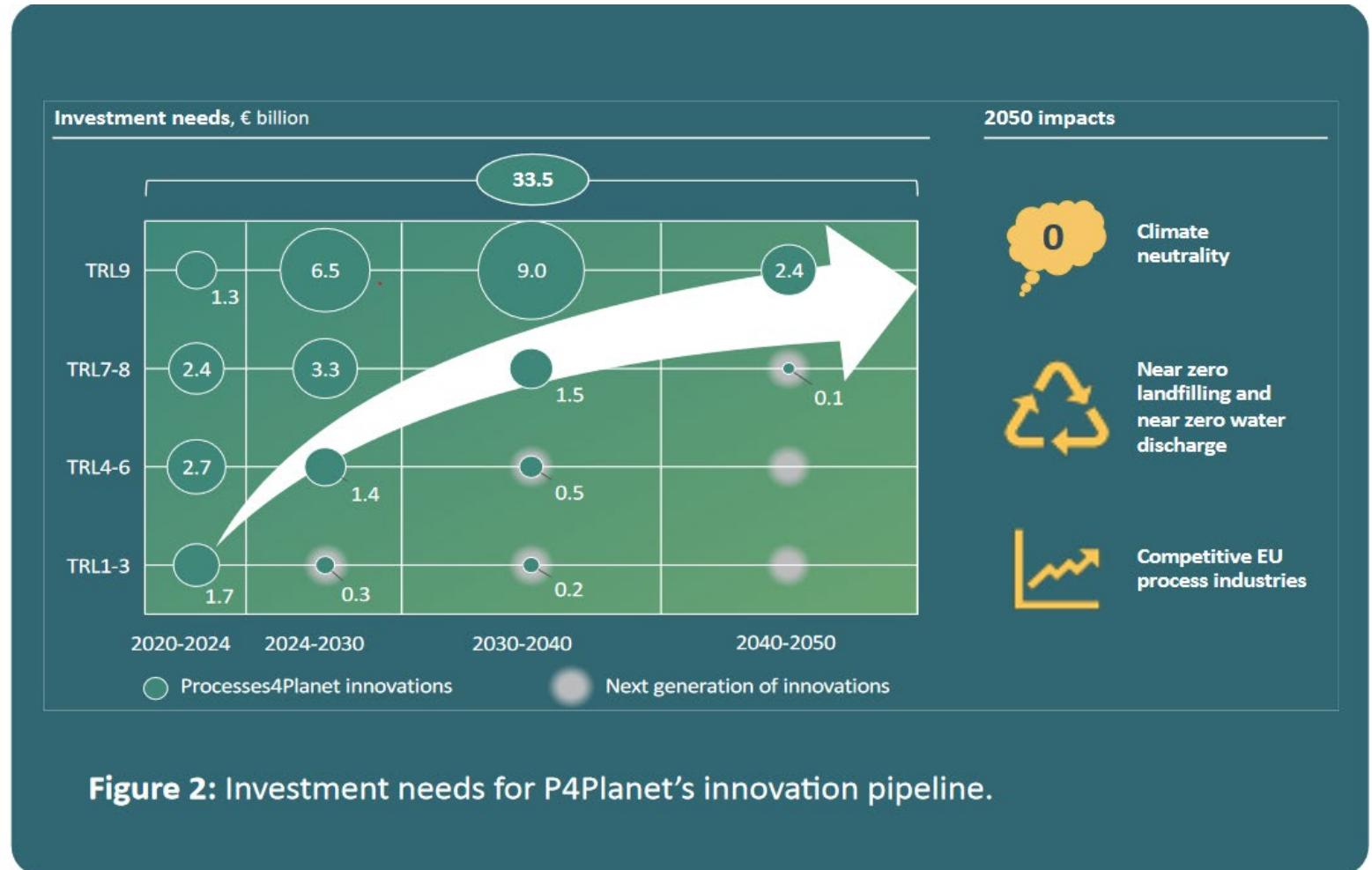


- Industry perspective
- Short-Med. term

- 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*

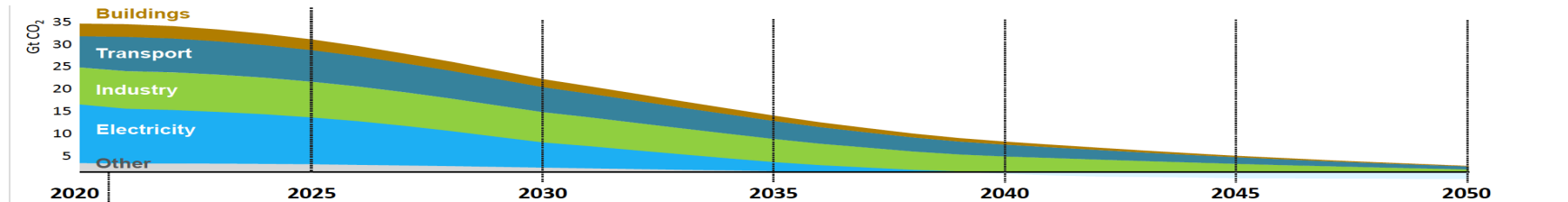


NeWindEERA Research Program as the core for the EuCoE4W

- ▶ 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

REPowerEU

Net Zero by 2050 



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

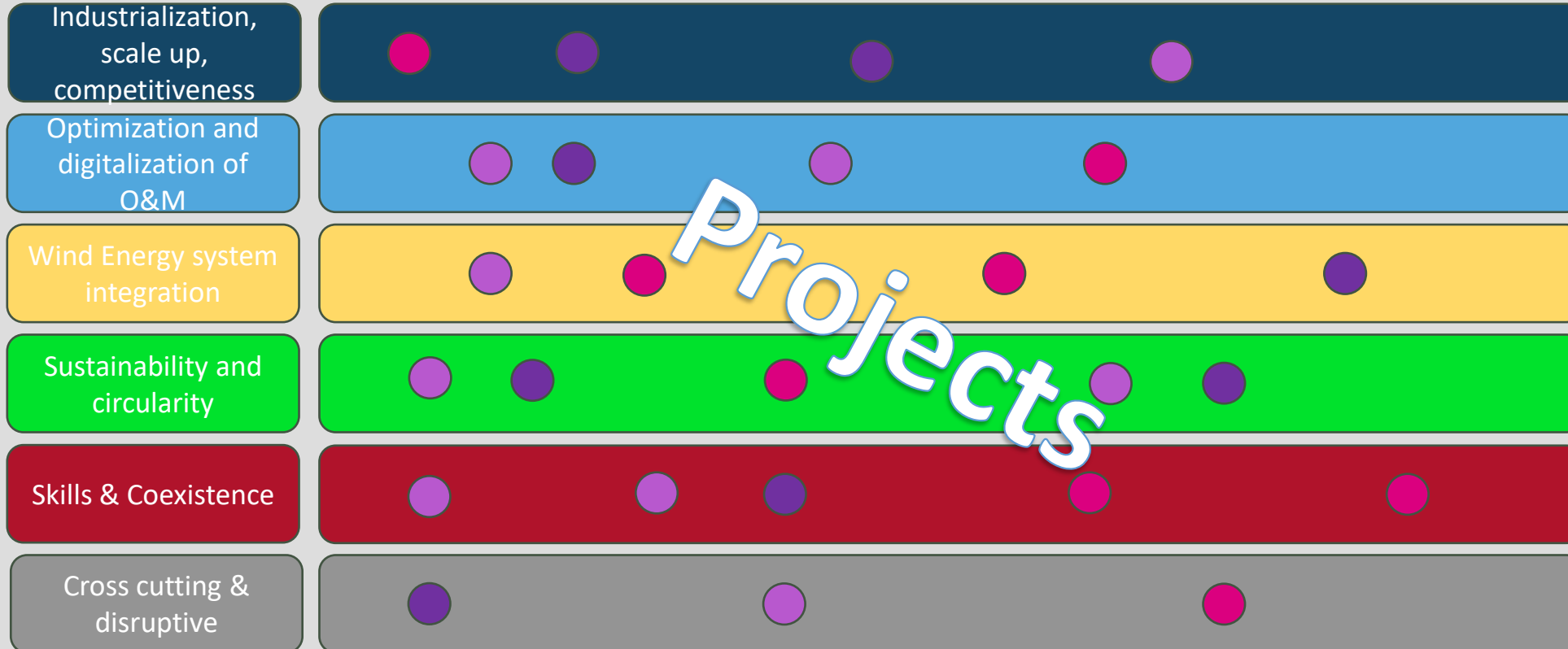
2025

2027

2040

2050

EuCoE4W



Funding

Horizon Europe

National programs

Industry

Projects

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

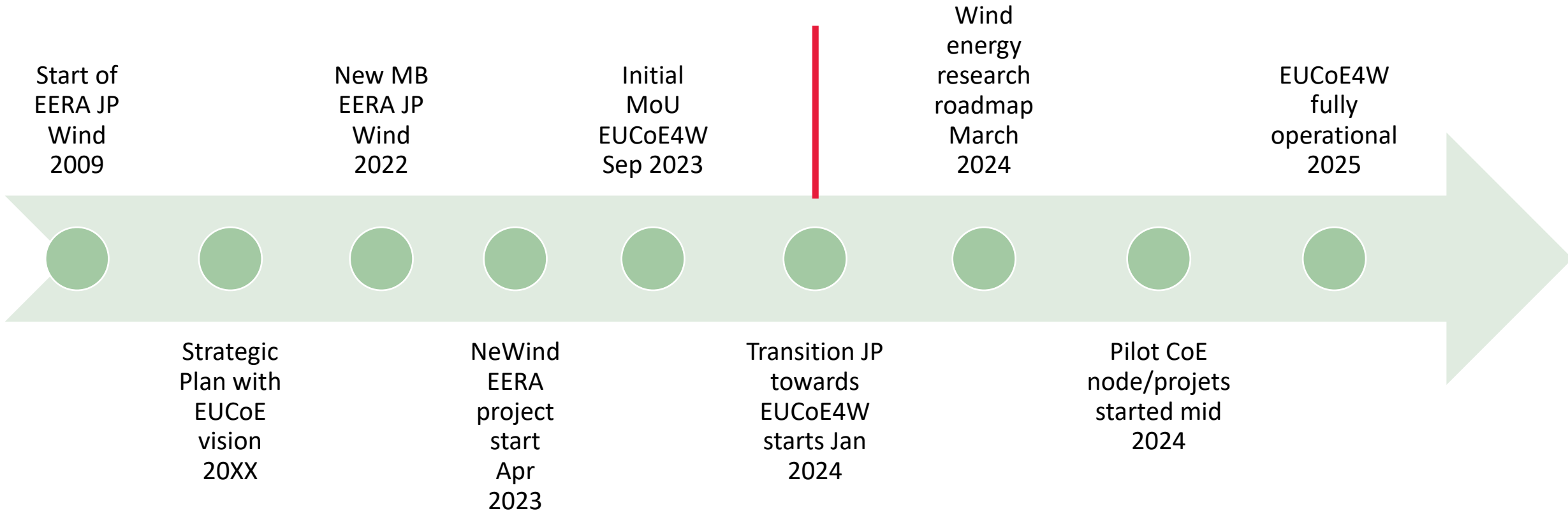
Impact:

- ▶ 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>

