



European  
Commission

*Snapshot of the Implementation Working Group (IWG)*

## OFFSHORE WIND

*Keeping up with technology to reach  
the net zero emissions target by 2050*



### **SET Plan** Progress Report 2020

 3 Targets

 9 Activities

 131 Projects reported

 194 M€ reported

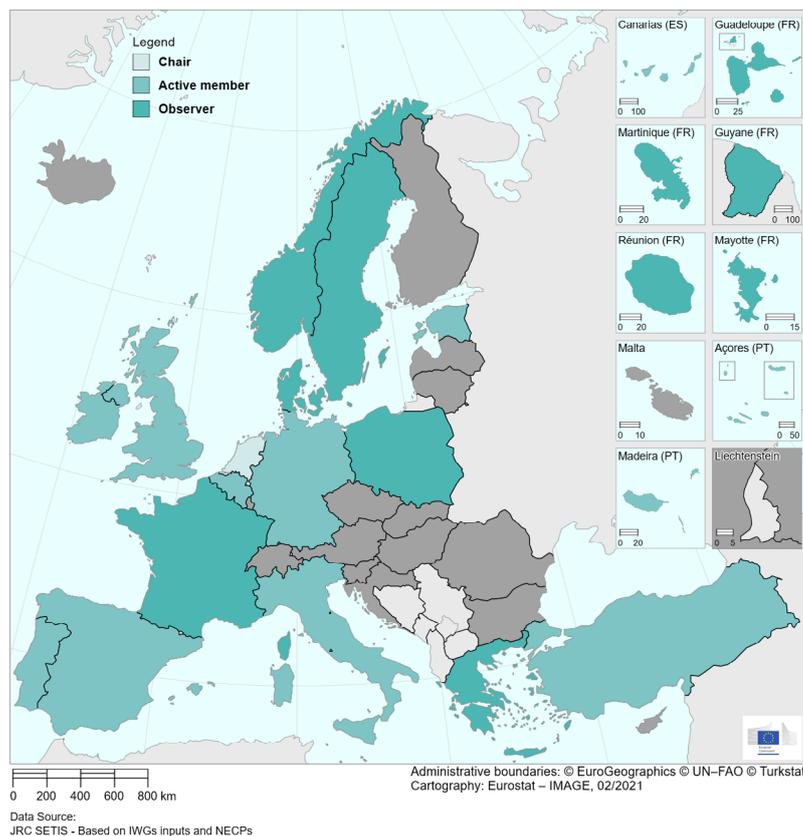


Figure 1 Composition of the IWG

## Supporting the EU Green Deal

The Offshore Wind Implementation Working Group is currently revising its implementation plan as the three targets established for 2030 have already been achieved. The updated implementation plan targets include the required annual installed capacity of wind power and grids towards 2030 to achieve the target of 300GW offshore wind in EU27 by 2050<sup>1</sup>.

The IWG will broaden the scope of its work to better align with the European Green Deal, and the ambitions set in the offshore renewable energy strategy - including maintaining European leadership and global competitiveness in offshore wind.

The IWG intends to accelerate research & innovation for offshore wind energy and effectively address the main challenges of the EU Green Deal offshore wind energy such as floating wind power, circularity, grid development and the large-scale integration of offshore wind energy.

<sup>1</sup> Input paper "The SET Plan contribution to the Offshore Renewable Energy strategy" (November 2020). Retrieved from: [https://setis.ec.europa.eu/system/files/offshore\\_renewable\\_energy\\_strategy\\_set\\_plan\\_input\\_paper\\_2020.pdf](https://setis.ec.europa.eu/system/files/offshore_renewable_energy_strategy_set_plan_input_paper_2020.pdf)

Ongoing projects are addressing activities A2 - *Wind Energy Offshore Balance of Plant*, A3 - *Floating Offshore Wind*, A4 - *Wind Energy Operation and Maintenance*, A6 - *Wind Turbine Technology* and A7 - *Basic Wind Energy Sciences*.

Activities such as A1- *System integration*, A5 - *Wind Energy Industrialisation*, and A8 - *Ecosystem and social impact*, need revision to match the political ambition (Figure 2).

The full list of activities is available [here](#).

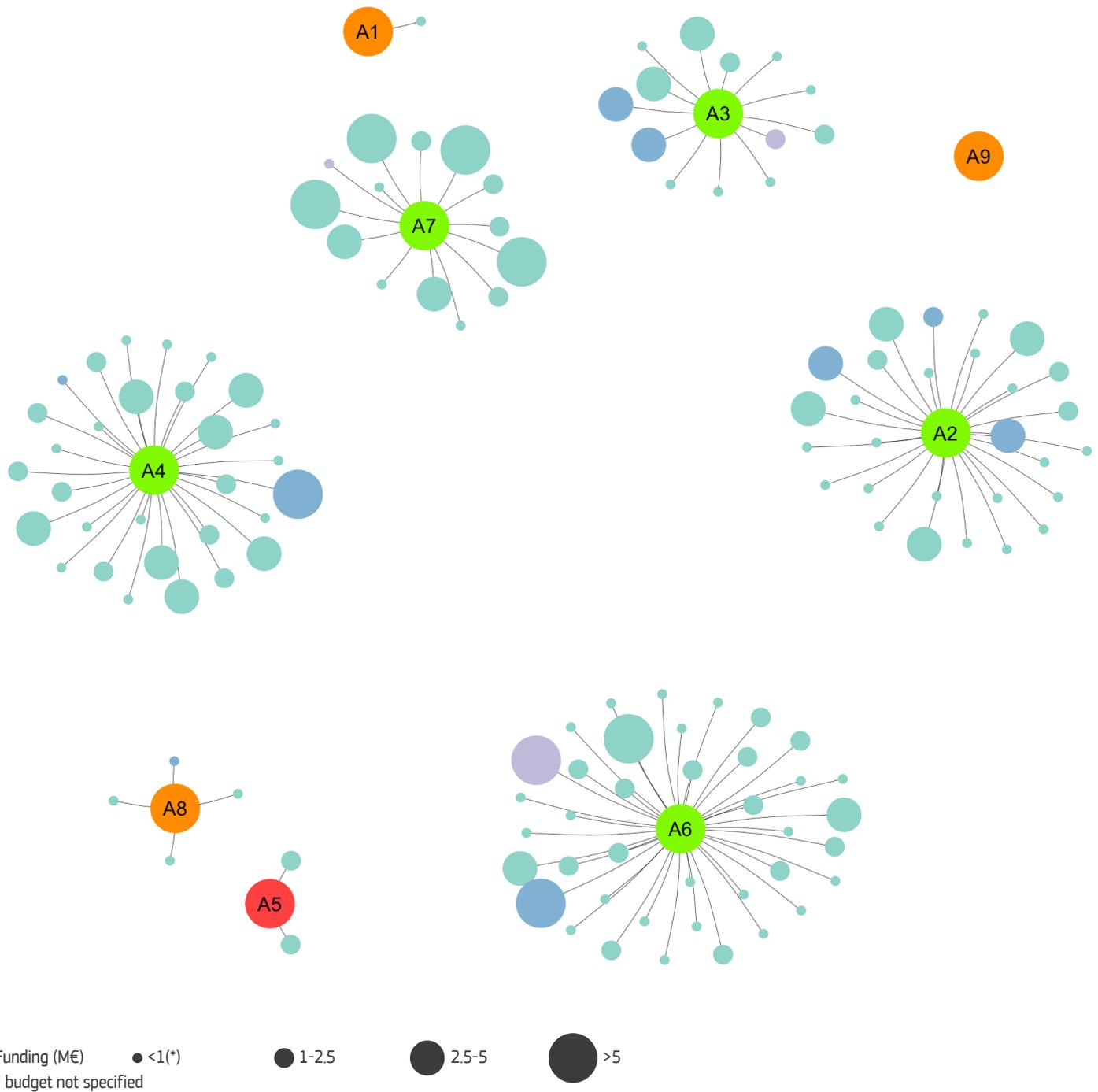


Figure 2 Status of activities

# Areas for collaboration with the IWGs and beyond the SET Plan

System integration represents an opportunity for collaboration with Energy systems and Renewable fuels and bioenergy Implementation Working Groups.

Offshore wind can contribute more widely to integrate decarbonised energy systems and has a particularly promising role to play in the EU's efforts to achieve net zero emissions by 2050.

The Implementation Working Group is collaborating with the International Energy Agency (IEA).



Figure 3 Collaboration with the IWGs

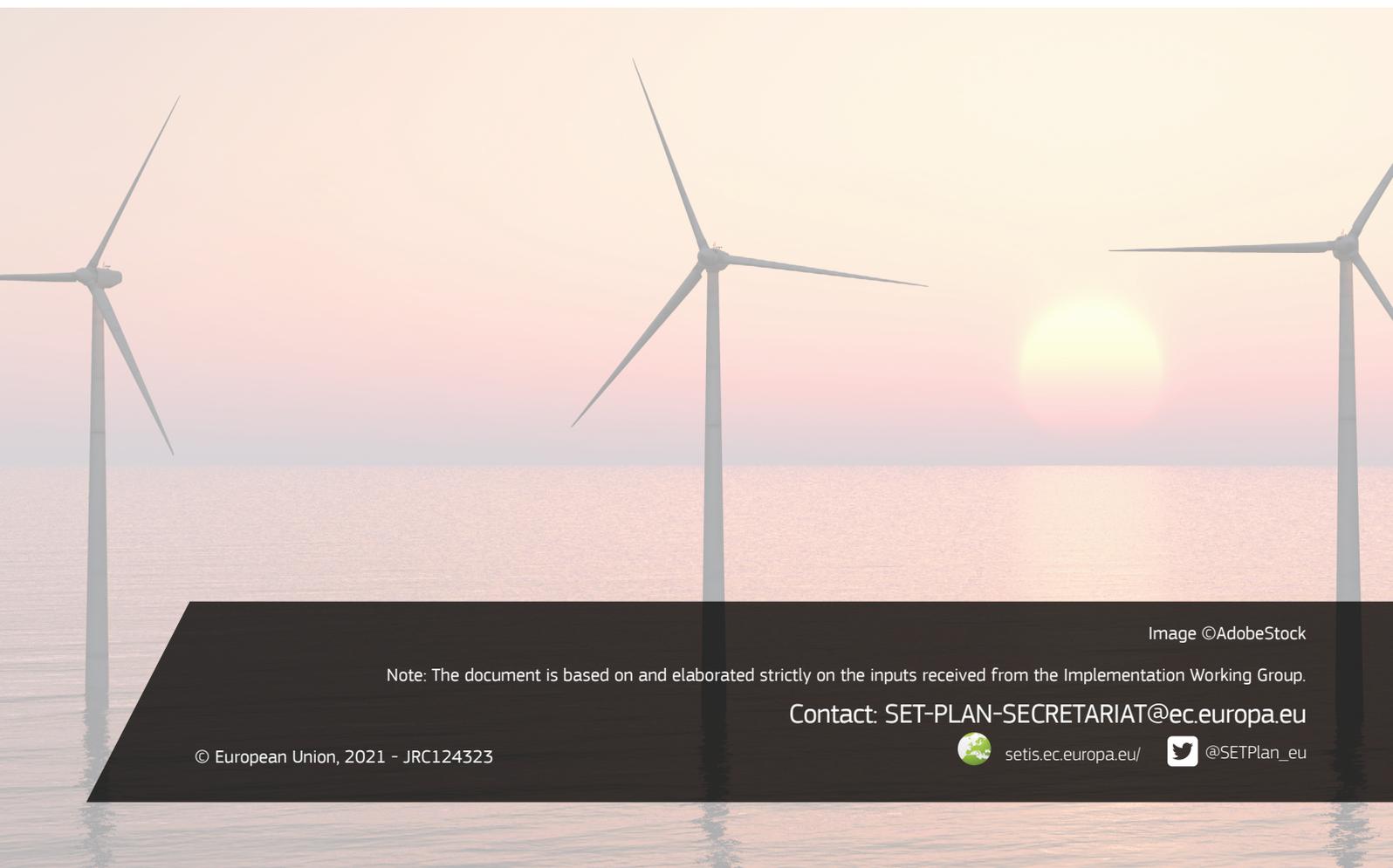


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Note: The document is based on and elaborated strictly on the inputs received from the Implementation Working Group.

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