



*Snapshot of the Implementation Working Group (IWG)*


# OCEAN ENERGY


*Developing cost-competitive ocean energy technologies*




## **SET Plan** Progress Report 2020

 5 Targets

 11 Activities

 127 Projects reported

 238 M€ reported<sup>1</sup>

<sup>1</sup> Reported by Ocean energy IWG in January 2021.

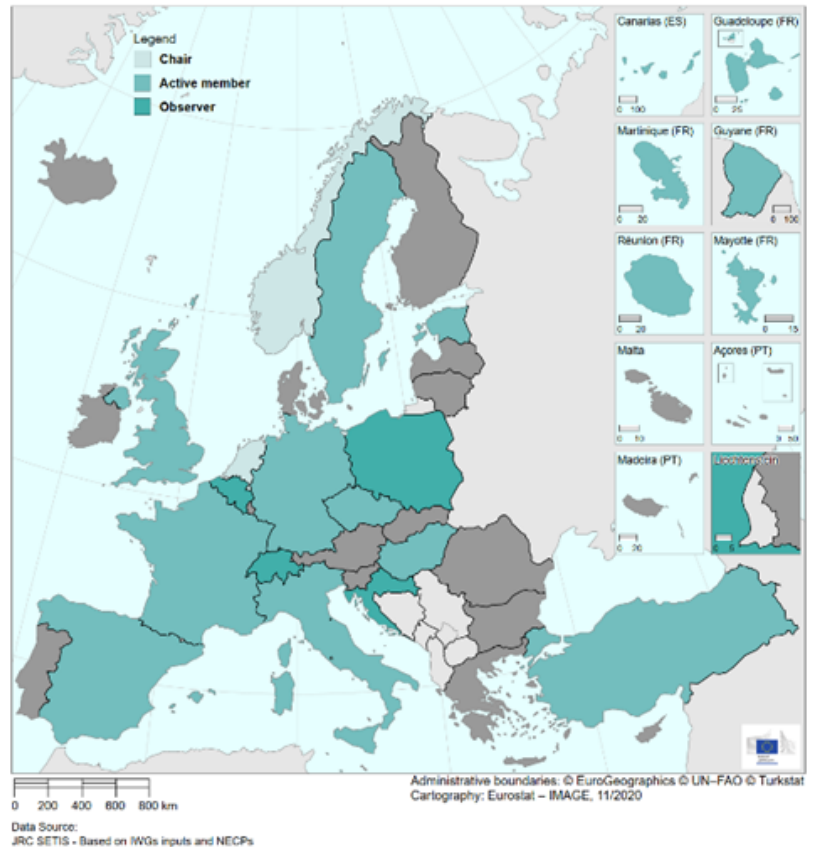


Figure 1 Composition of the IWG

## Supporting the EU Green Deal

The Ocean energy Implementation Working Group is key in meeting the offshore renewable energy 2050 targets, particularly the development of cost-competitive ocean energy technologies. Its work directly contributes to the European Green Deal by driving the ambition for the offshore renewable energy<sup>1</sup>.

Ongoing projects are addressing activities set as priority for the period 2020 – 2021, particularly:

*A1 - Tidal Energy technology device development and knowledge building up to TRL6;*

*A3 - Wave energy - technology device development, including system demonstration and knowledge building (up to TRL6);*

*A4 - Wave energy – device and array system demonstration at large scale device and early demonstration array scale and leading onto large-scale deployment (TRL 7–9).*

<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)

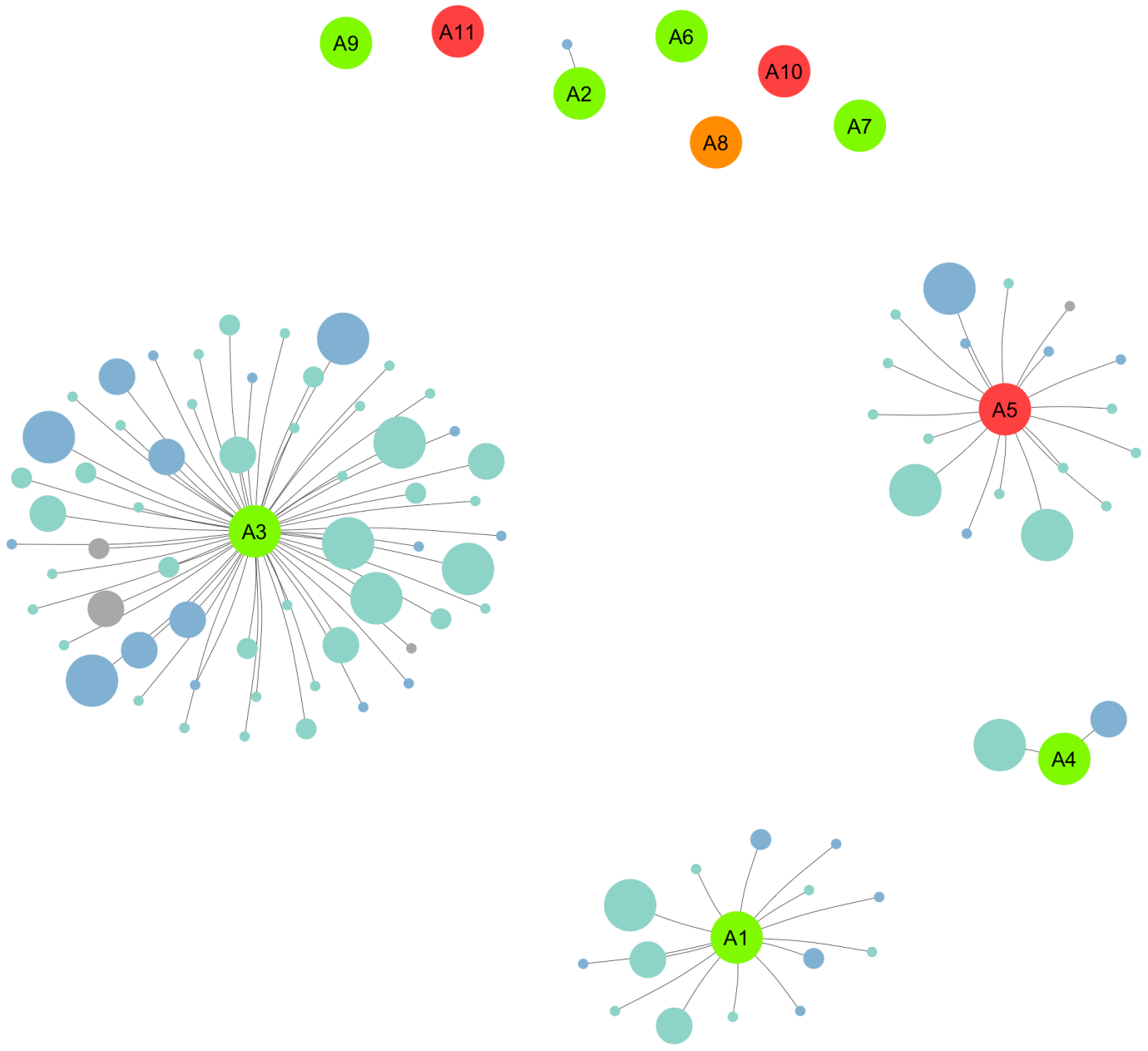
5 out of the 11 research & innovation activities will be revised considering the current EU Green Deal objectives and the industry's status.

Activities such as the *Creation of an EU Insurance and Guarantee Fund* (A8) and *Facilitating access to investment finance for ocean energy technology*

*development* (A7) are critical for the development of ocean energy technologies.

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

The IWG can be a reliable partner to other offshore renewable energies, e.g. offshore wind.



Funding (M€) ● <1(\*)    ● 1-2.5    ● 2.5-5    ● >5  
 \* budget not specified

- EU funded    ● National    ● Type of funding not specified
- Activities addressed by ongoing projects
- Activities addressed by projects expected to take-off in the near future
- Activities addressed by projects currently at a preparatory stage

Figure 2 Status of activities

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

Areas for collaboration with Energy systems and Offshore wind Implementation Working Groups include storage potential, offshore grid development and integration.

The IWG is involved in the International Energy Agency Ocean energy systems (OES) technology collaboration programme.



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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