



European  
Commission

*Snapshot of the Implementation Working Group (IWG)*

# ENERGY SYSTEMS

*Accelerating integrated energy  
systems for a climate-neutral EU*



## **SET Plan** Progress Report 2020

 10 Targets

 27 Activities

 58 Projects reported

 128.77 M€ reported

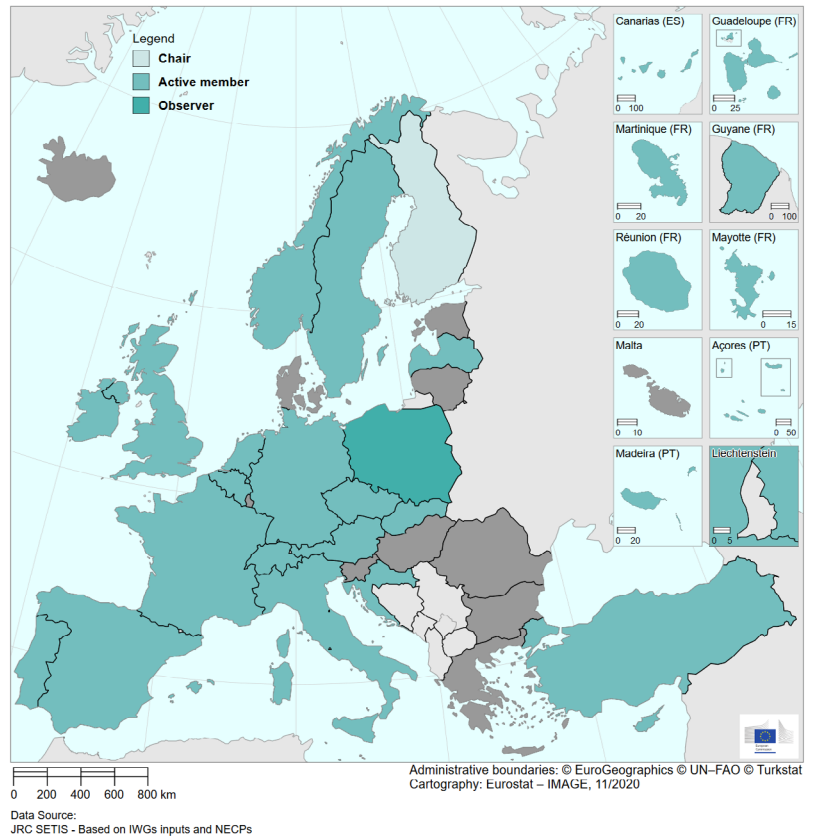


Figure 1 Composition of the IWG

## Supporting the EU Green Deal

The overarching goal of the work consists on developing and operating resilient and efficient energy systems, leveraging the use of local resources while integrating a variability of renewables.

The implementation activities of the Energy systems IWG contribute substantially to the EU Green Deal, particularly to the Energy system integration strategy, fostering several of its pillars, with special attention to:

- Accelerating the electrification of energy demand, building on a largely renewables-based power system;
- Making energy markets fit for decarbonisation and distributed resources;
- A more integrated energy infrastructure;
- A digitalised energy system and a supportive innovation framework.

To foster joint activities and reach the targets, two flagship initiatives were implemented, as established on the [Energy systems implementation plan](#):

- Flagship Initiative 1: Develop an optimised European power grid;

- Flagship Initiative 2: Develop integrated local and regional energy systems.

The implementation activities will be updated based on European technology and innovation platforms' (ETIPs) feedback and Member States' priorities.

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

The central role played by the energy networks as the backbone of the decarbonised system requires an intense activity of coordination, outreach and cooperation. The IWG is pivotal with regards to the initiatives dealing with system integration, with special reference to:

- ETIPs (especially ETIP SNET and ETIP DHC);
- ERANET smart energy systems (SES) ;
- Mission Innovation;
- Clean energy technologies partnership (CETP).



Figure 3 Collaboration with the IWGs

All Implementation Working Groups want to establish cooperation with the Energy systems Implementation Working Group. The work of this IWG is fundamental to deliver on the ambition of the European Green Deal and of the system integration strategy, through:

- Accelerating the electrification of the energy demand;
- Building on a largely renewables-based power system;
- Making the energy markets fit for the decarbonisation and distributed resources.





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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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