



European
Commission


Snapshot of the Implementation Working Group (IWG)


BATTERIES

*On its way towards improved
sustainability, circular economy and
cost-effectiveness*



SET Plan Progress Report 2020

 20 Targets

 10 Activities

 67 Projects reported

 366 M€ reported

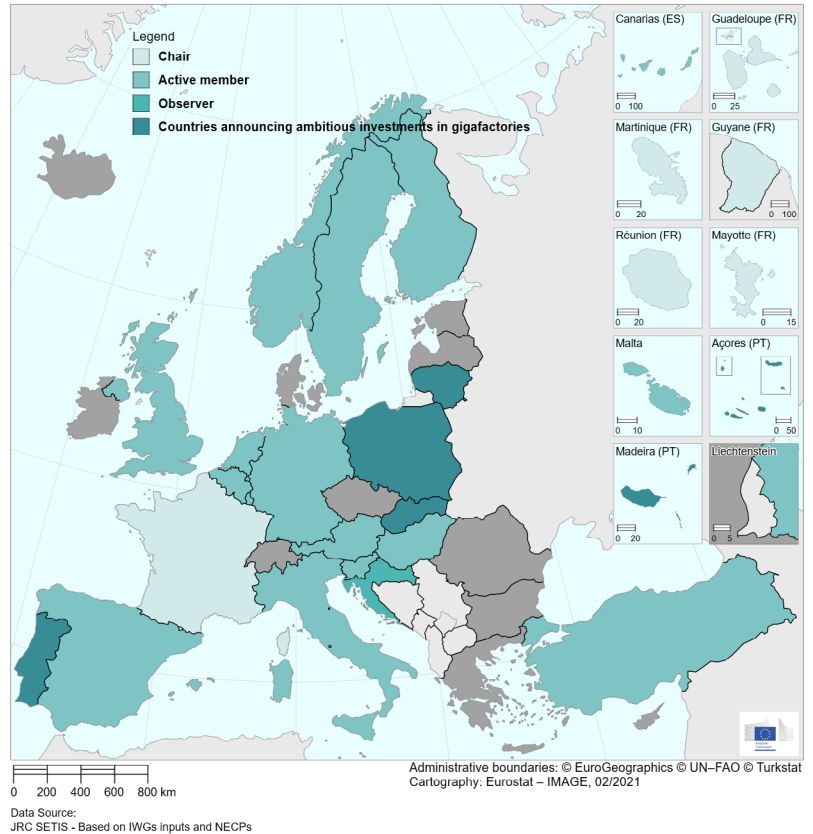


Figure 1 Composition of the IWG

Supporting the EU Green Deal

The Implementation Working Group intends to work on new activities to help achieve the EU Green Deal targets through cost-effective energy storage solutions, thus, contributing to the security of the electricity supply in the EU, improved grid flexibility, and higher renewable energy sources penetration levels for a decarbonized economy. Hence, 10 out of the 20 targets are currently under revision.

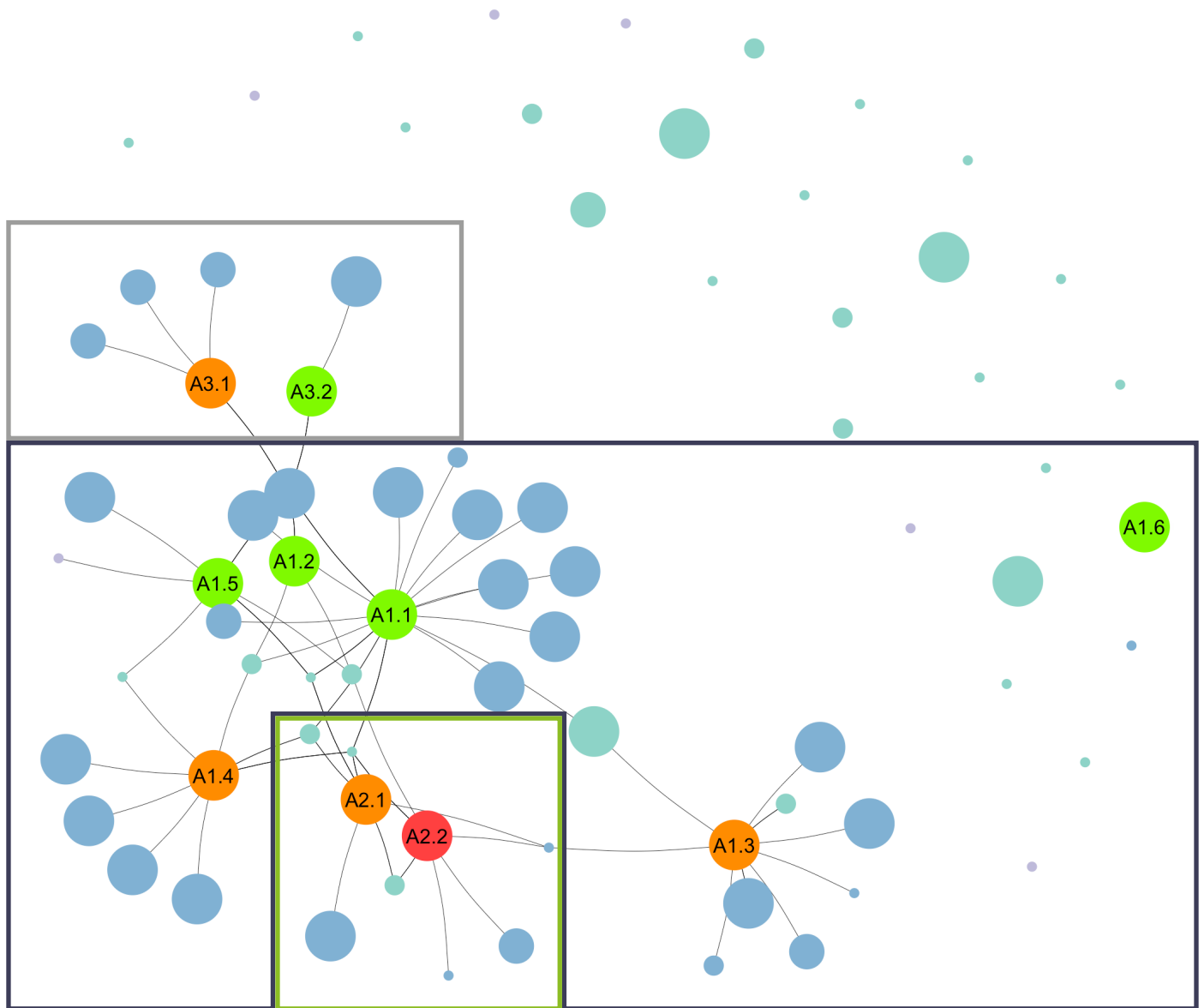
New targets proposed:

1. Material recovery of critical raw materials;
2. Sourcing, sustainability and tracking: towards a better transparency and public acceptance.

Projects are currently addressing activities on material-chemistry and application & integration (Figure 2).

Activities must be aligned to the [strategic research agenda \(SRA\)](#) research topics identified for 2020-2030 related to battery performances and cost, battery safety, fast charging, and environmental sustainability (including the circular economy principles).

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



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

● EU funded ● Transnational ● National

- 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

- A1 - A6: Activities on material-chemistry-design-recycling
- A2.1 & A2.2: Activities on manufacturing
- A3.1 & A3.2: Activities on application & integration

Figure 2 Status of activities

Areas for collaboration with the IWGs and beyond the SET Plan

The Implementation Working Group can play an important role in implementing the European Union strategies of system integration, renovation wave, and the offshore renewable energy strategy.

A partnership on batteries has been established under Horizon Europe in connection to other policy areas such as electromobility (2Zero partnership) or waterborne transport.

The research and innovation effort behind EU and national programmes is poised to deliver on most of the activities of the Implementation Working Group.

Still, better coordination with national programmes is necessary.



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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