



TASK FORCE STORAGE & SMART GRID

In cooperation with EASE and EUROBAT



First 2021 meeting of the task force “Storage & smart grid, regulatory framework and technologies for islands”, organized in cooperation with EASE and EUROBAT

Details

Date: February 25, 2021

Participants:

- **Francesco Gattiglio** - Director EU Affairs & Policy, EUROBAT
- **Jacopo Tosoni** - Policy Officer, EASE
- **Riccardo Antonucci** - Policy Intern, EASE
- **Manuel Sapiano** - CEO, The Energy & Water Agency Ministry for Energy and Water Management, Malta
- **Karl Galea** - The Energy & Water Agency Ministry for Energy and Water Management, Malta
- **Miquel G. Edo** - Consell Insular de Menorca, Technical dpt.
- **Irene Estaún** - Directora Insular Reserva de Biosfera, Consell Insular de Menorca
- **Davide Brillo** - Project Manager Innovation and Business Development Team, Mitsui & Co. Italia SpA, delegate of PXiSE Energy Solutions
- **Christopher Wiacek** - Head of Global Business Development, PXiSE Energy Solutions
- **Jin Yamane** - Deputy General Manager, Mitsui & Co.
- **Elena Velazquez** - Technical Manager, UNEF
- **Erik Raita** - Stakeholder relations, Geysler Batteries
- **Gianni Chianetta** - Director, GTI



- **Attilio Piattelli** - GTI Senior Technical Specialist
- **Angelo Nogara** - Senior Strategy Development Manager, GTI
- **Francesco Luise** - Observatory Technical Coordinator, GTI

Minutes

New key inputs for the task force

- New EU batteries regulation proposal:
 - Public consultation phase ends on March 1, enters the phase of development of positions by Council and Parliament;
 - Target of the Commission is to produce sustainable and made in the EU batteries;
- Local implementation of EU regulation and directives
- Develop project ideas directed at international tenders and calls, with the opportunity of creating a coalition around the task force;
- Storage strategies have to include large-scale, distributed/domestic, and EVs batteries:
 - Different energy storage technologies and readiness;
 - Technology innovations on smart grids management systems for the integration of RES, storage and e-Mobility;
- Pay attention to the EU shipment regulation expected in 2021, which is going to be crucial for islands.

Key takeaways from the proposal

- Public procurement:
 - Islands public authorities have to take care of the environmental impact of batteries;
 - Producers have to issue various declarations (carbon footprint, recycled content, performance and durability);
- Green and made in the EU batteries, sustainable production;
- The regulation considers both environmental and industrial strategies.

Islands feedback:

- Minorca
Energy storage is an important asset for the island's decarbonization targets. Looking at reaching high storage capacity with the integration of large-scale systems, distributed systems applied to domestic PV, and EVs through international funding, EU projects, partnerships.
- Malta



Looking at PV + batteries (with payback time 5-7 years) and offshore RES. Flexibility is needed and therefore storage capacity is crucial.

Positive aspects and opportunities:

- Regulation essentially bans not-green batteries;
- Regulation considers environmental and industrial strategy;
- Very fast software for controlling the grids are available (e.g. PXiSE);
- Batteries have strategic importance but also other technologies are available;
- Islands will have more elements to choose between storage systems;
- Research projects carried on by islands can help identify the most feasible storage technologies;
- Labelling and online databases will be created for batteries;
- Batteries' second life can be an opportunity for islands with the new set of economic incentives;
- Involving academia and monitoring tenders can maximize the possibilities to receive funds;
- Involve the European Commission to focus on policies and practical implementations;
- Price of batteries is likely to go down further.

Challenges and barriers:

- Regulation doesn't consider the diverse range of storage technologies;
- Barriers to recycling, especially for islands (e.g. space, economies of scale);
- It could be difficult for island to follow the regulation with all the necessary checks, especially on safety;
- Recycling facilities are not present on islands so used batteries will have to be stored safely and then shipped to the mainland: the main issue is the cost. The regulation can't do much about it, but could facilitate the shipment process with the upcoming regulation.

Next Steps:

- To create a task force **position paper** representing the point of view of the islands on the EU new regulations on storage and shipment;
- To collect **best practices** and identify **common challenges** and best **technological solutions** for islands;
- To create a **consortium** to be directed at the origination of energy storage projects on islands;
- To define a **2021 plan** for the GTI task force, involving the participants to the meeting and eventually others, as GTI Observatory members, in pursuing the targets.





GREENING
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- To continue discussing the topics advanced by the task force on the **GTI App** (available on desktop and mobile) Task Force Forum already available.

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