

Energy Transition Partnership



MEDAC

MEDITERRANEAN
A D V I S O R Y
C O U N C I L

Workshop DG MARE
28th November 2023



Co-founded by the
European Union

COM/2023/100 Communication on the Energy Transition of the EU Fisheries and Aquaculture sector

Launch Event (June 16th June 2023)  Workshop ETP (November 28th 2023)

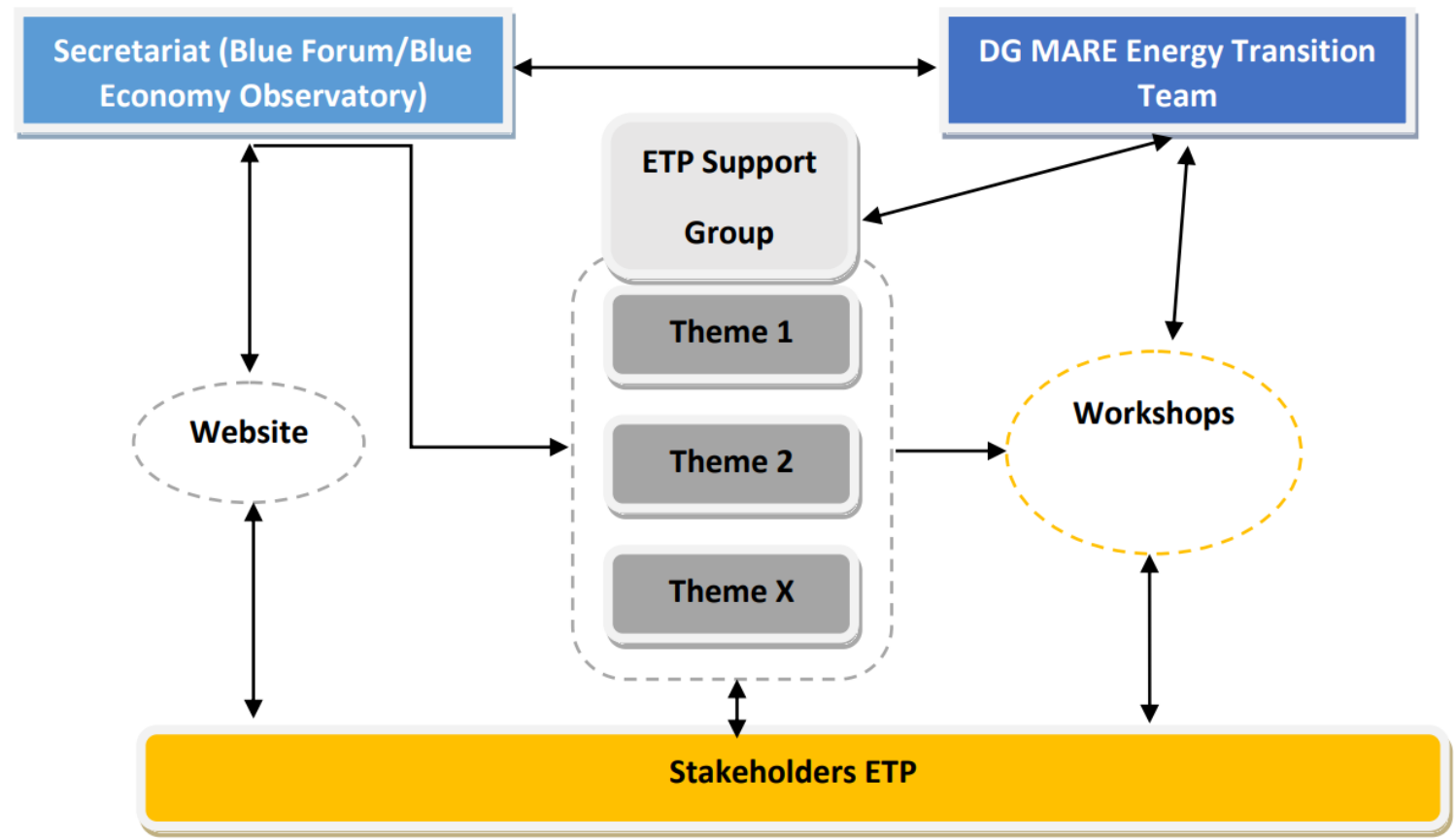
ENERGY TRANSITION PARTNERSHIP

- ❖ contribute to accelerating the energy transition in the EU fisheries and aquaculture sector
- ❖ serve the dual objective of achieving a climate-neutral and resilient fisheries and aquaculture sector by 2050
- ❖ a voluntary network of stakeholders that aims to foster collaboration and knowledge sharing simple, inclusive, platform to enhance cooperation, share knowledge on the technologies, methods and techniques that can improve energy efficiency and further development and adoption of renewable and low-carbon energy sources;
- ❖ contribute and implement common strategies and milestones on a voluntary basis for accelerating the energy transition and overcoming current barriers.

ROADMAP

Aims to

- provide a common strategic and realistic approach for bringing forward the energy transition in the sector;
- propose concrete, specific, time-constrained, and measurable milestones for a resilient and climate-neutral sector by 2050
- clarify the roles and responsibilities of different stakeholders in the common transition.



FINANCING

Guide on financing opportunities for the energy transition

- focuses on EU public funding;
- it covers innovation vessels, energy-efficient equipment, energy management, industry infrastructure, training and capacity building;
- regularly updated and subject to feedbacks from stakeholders;
- example of successful projects and overviews of fund management



Guide on Financing opportunities for the Green Energy Transition of Fisheries and Aquaculture

Supporting the energy transition in fisheries and aquaculture through EU funding opportunities under the 2021-2027 multiannual financial framework, NextGenerationEU and beyond

November 2023

1. European Maritime, Fisheries and Aquaculture Fund
2. BlueInvest, BlueInvest Fund and Invest EU Blue Economy
3. InvestEU Green Transition
4. Recovery and Resilience Facility
5. European Regional Development Fund
6. Interreg Baltic Sea Region
7. Interreg North Sea
8. Interreg Euro-MED
9. Interreg NEXT Mediterranean Sea Basin
10. Interreg Adriatic-Ionian Programme
11. Interreg Atlantic Area
12. Interreg Black Sea Basin Programme
13. Innovation Fund
14. Horizon Europe
15. Modernisation Fund
16. LIFE Programme
17. Just Transition Fund
18. Connecting Europe Facility
19. European Social Fund+
20. Cohesion Fund
21. European Agricultural Fund for Rural Development

EMFAF Support to Energy Transition

The fund can support the energy transition at two levels:

- (1) assessment & development of new technology (audits, feasibility studies, test & trials etc.)
- (2) investment in mature technology (improving energy efficiency, replacement / modernization of engines and increase in volume of vessels to install energy-efficient engines only for vessels smaller than 24 metres).

Some types of investments are subject to strict conditions (first acquisition of vessels, replacement/modernization of engines, gross tonnage increase - Art 17,18,19) **TO PREVENT OVERCAPACITY AND OVERFISHING**

MS + Direct Calls CINEA

BLUE INVEST

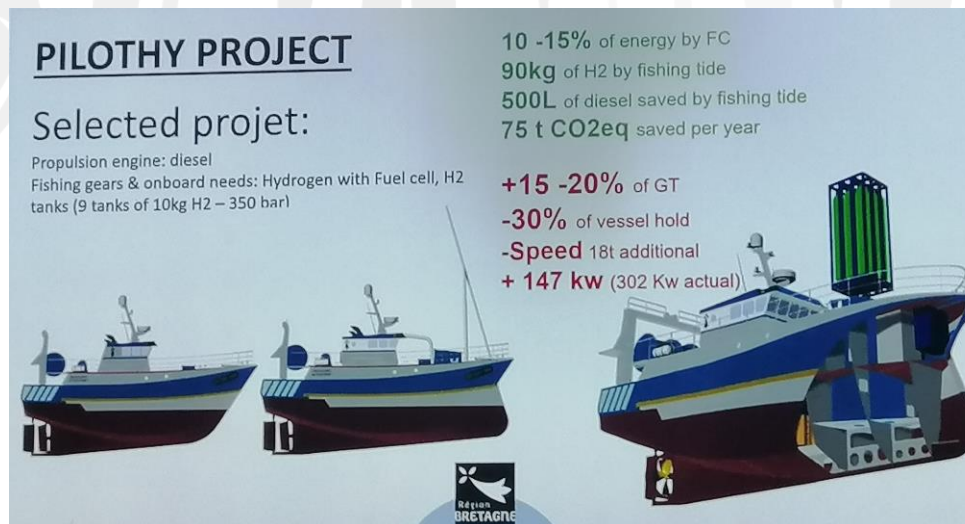
Blue Invest is a EU-funded platform to boost investments into innovation for Sustainable Blue Economy (start-ups and SMEs). The platform will organise an event in January on the energy transition of the blue economy sectors. Fisheries market is more niche whereas aquaculture has a huge potential for investors

European Investment Bank (EIB)

EIB is a strong supporter of the Blue Economy: 7 billion investments and 24 billion leveraged (85% of green investments). Fisheries and aquaculture are a very small part of these investments by several reasons including the risk to increase the level of fishing with investments into energy transition and that fishers are more entailed to look for grants and funding without conditions.

Pilothy project (Brittany - France) by Sébastien Crom -

Trawler 1980 (17 metres) The Pilothy project aims at retrofitting an existing vessel to introduce hydrogen. It is a 2 years project with 1,5 million budget. It was discovered that introducing hydrogen for all the vessel (main engine) was too expensive. It was then chosen to keep diesel for the main engine and to introduce hydrogen for fishing gears and onboard needs. The results is that, on the one hand, 10-15% of energy can be saved but on the other hand the gross tonnage is increased (15-20%) and the speed is reduced. One of the main barriers is private investment, public money is therefore essential.



PILOTHY PROJECT

Selected projet:

Propulsion engine: diesel
Fishing gears & onboard needs: Hydrogen with Fuel cell, H2 tanks (9 tanks of 10kg H2 – 350 bar)

10 -15% of energy by FC
90kg of H2 by fishing tide
500L of diesel saved by fishing tide
75 t CO2eq saved per year

+15 -20% of GT
-30% of vessel hold
-Speed 18t additional
+ 147 kw (302 Kw actual)

Région BRETAGNE

CHALLENGES

- ❖ **Lack of flexibility: the need of changing of the Regulatory Framework (CFP and EMFAF) - Legal certainty (f.i. EMFAF is not addressing all segments: no > 24 m)**
- ❖ **European fleet is too old: *retrofitting old vessels does not make sense***
- ❖ **No clear alternatives yet to fuel: *we don't know which alternative really works***
- ❖ **Positive communication to attract investors, an improvement of the fisherman's image is needed, poor image and reputation in media: *perception need to change***
- ❖ **Private funds need predictability and in this sector is very difficult so greater co-financing is need to encourage private investments: *it's a small market***
- ❖ **Need of simplification: *Stakeholders are confused about fundings opportunities***
- ❖ **Lack of infrastructures (in the ports for the energy supply)**
- ❖ **Regionalization: difference between MS**
- ❖ **Maritime Spatial Planning is fragmented and need harmonization to enable supply**



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Next Steps:

- **Workshop on Innovation - February 2024**
- **Workshop on Training and Skills– April 2024**

Useful Link:

https://blue-economy-observatory.ec.europa.eu/energy-transition_en

Thank you