ATLANTIC STRATEGY
Support Team for the Atlantic Action Plan

European Commission

PILLAR III
Marine Renewable Energy

This is the third infographic in a set of four. For more information on how the Atlantic Strategy was born, **check Infographic #01 - Pillar I: Atlantic Ports as gateways and hubs for the Blue Economy.**

To see more about ocean literacy **check Infographic #02 - Pillar II: Blue Skills of the future and ocean literacy.**

1 What is **Pillar III**?

Marine Renewable Energy

Goal 5
Promote Carbon neutrality through marine renewable energy

Target
↗
Increased investments in capacity and infrastructure in marine renewable energy

2 What are the **core areas** of activity?

The priorities which will contribute to achieve the mentioned goal

- Access to finance
- Facilitate knowledge sharing
- Make use of best practices across the region
- Obtain the necessary political support and public acceptance

3 How can we **guarantee** the operationalization of those activities?

> The recommendation of Pillar III stems from the **combined information that has been collected through reports, meetings and input from experts in the workshops**.

01 Create an overall legal and technical framework for data sharing between technological proprietary businesses and others

02 Increase/enhance public-private collaborations

03 Join efforts for fostering the digitalisation MREs

04 Increase funding opportunities for digitalising the MREs sector

05 Increase knowledge and practices exchange not only within the Atlantic, but also with other sea basins

06 More pilot and demonstration projects to test new technologies and facilities

07 Enhance the technological value chain in MREs within EU

08 Data management knowledge and sharing is essential for the open access and analytics of the data

4 Why is **marine renewable energy** relevant?

European Green Deal

This deal emphasizes the essential role of offshore wind production for the transition to a climate-neutral economy. A more sustainable management of the maritime space is needed to unlock the potential of offshore wind.

EU Atlantic area

This area is the leader in and testbed for the development of novel marine renewables, especially ocean energy and floating offshore wind.

Next step of development

Is essential to maintain technological leadership, retain talent and provide affordable clean energy while taking into account potential impacts on the marine environment.

5 Who is **standing out**?

MaRINET2

Pillar III Atlantic Awards Winner 2021

Evolving from MaRINET, MaRINET2 is working towards its vision of unlocking the energy potential of our oceans.

Specifically, its goals could be described as:

- to enhance networking between different European research infrastructures;
- to contribute to the improvement of knowledge transfer;
- to understand the differences between facilities.

Expected Results

- Develop round robin testing quantifying & reducing uncertainty in testing
- Produce academic publications
- Report on marine renewable testing results
- Develop E- Infrastructure
- Provide guidance and training to stakeholders

Projects to be added to the spotlight section

BLUEGIFT

€2.5M European Regional Development Fund project that aims to help Atlantic Area companies test the next generation of Marine Renewable Energy (MRE) technology in real sea environments and prove power can be economically generated from the ocean.

sabella

Progressive Hybrid Architecture for Renewable Energy Solutions in islands.

SAFE WAVE

The aim of the SafeWAVE project consists of overcoming these non-technological barriers.
The project will also work with coastal communities to co-develop and demonstrate a framework for education and public engagement (EPE) of marine renewable energy since the deployment of ocean renewable energy technologies has the potential to evoke opposition within intended host communities

STEP4WIND

STEP4WIND aims at increasing the commercial readiness level of floating offshore wind energy through technological innovations across the supply chain.
Floating Offshore Wind Turbines (FOWTs) could be a game changer to further decrease the cost of offshore wind energy and unlock new markets. Wind turbines placed on a floating support and moored to the seabed can harness energy in areas with much higher wind speeds, at a reduced installation cost.

6 What's next?

This information is the third of four infographics about Atlantic Action Plan (AAP 2.0).

Find more in the next chapter
- Pillar IV: Healthy Oceans and Resilient Coasts

The pillars operate in coordination and cooperation.

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