



ENERGIAREN
EUSKAL ERAKUNDEA
ENTE VASCO
DE LA ENERGÍA

PILLAR III

MARINE RENEWABLE ENERGY

Olatz Ajuria
ojuria@eve.eus

Jon Lekube
jlekube@eve.eus



ROADMAP



ATLANTIC ACTION PLAN 2.0



PILLAR III – MARINE RENEWABLE
ENERGY
The promotion of carbon neutrality
through marine renewable energy



ROADMAP - actions



PILLAR III: MRE Action Plan

The promotion of carbon neutrality through marine renewable energy			
ACTION	Description / output	Time frame	Comments
1) Set specific deployment objectives for marine renewable energy in the Atlantic regions taking into account their environmental impacts.	<ul style="list-style-type: none"> ✦ Gather information of individual goals for each region and/or MS and propose deployment objectives for the Atlantic sea-basin. ✦ Reaffirm commitment towards the objectives. ✦ Analyse the new Offshore Renewable Energy Strategy and contribute to the objectives and the follow-up actions proposed (in particular identify offshore wind potential and for ocean energy support the objective to reach an installed capacity of 100 MW by 2025 and 1 GW by 2030). ✦ Collaborate with the awardees of the tender "Call for tenders ENER/2020/OP/0028 - Study on the offshore energy potential in the Atlantic Ocean". Task on Production scenarios. ✦ Describe the main environmental impacts and social benefits, in particular job creation. 	<p>December 2021 (draft)</p> <p>July 2022 (final)</p>	Present the goals of the Atlantic Arc for 2030 and 2050
2) Define best sites for marine renewable energy farms (including offshore wind) and adjacent ports across the Atlantic, taking into account potential impacts on the marine environment	<ul style="list-style-type: none"> ✦ Contribute to design a Marine Spatial Planning tool that will consider various information layers: <ul style="list-style-type: none"> -environmental risks / opportunities/cumulative impacts -consenting procedures -shared use/multi-use of the sea -resource assessment -grid access -distance to important infrastructures such as ports ✦ Model the development of all technologies and their environmental, social and economic impacts (also on other sea users) ✦ Collaborate with the awardees of the tender "Call for tenders ENER/2020/OP/0028 - Study on the offshore energy potential in the Atlantic Ocean". Task on Potential for offshore energy generation and grid options 	<p>December 2021 (draft)</p> <p>December 2022 (final)</p>	The tool should build on existing tools and information (e.g. based on WESE and SAFEWAVE projects)

ROADMAP - actions



<p>3) Implement incentives for deployment of innovative renewable energy installations</p>	<ul style="list-style-type: none"> ✦ Analyse the opportunities for the creation of the Macro-Region. ✦ Document the incentives of partner regions and MS. ✦ Identify new or existing incentives to implement collaboratively. ✦ Make recommendations to the Atlantic Strategy Committee. ✦ Analyse specific actions to contribute to the Hydrogen Strategy using MRE. ✦ Collaborate with the awardees of the tender “Call for tenders ENER/2020/OP/0028 - Study on the offshore energy potential in the Atlantic Ocean”. Task on recommendations 	<p>December 2021 (draft)</p> <p>December 2022 (final)</p>	<p>Elaborate a benchmark study with incentives at regional and Member States level and in other Geographical Commissions.</p> <p>Analyse incentives for other innovative sectors and if interesting and possible, adapt to MREs.</p>
<p>4) Pool together different marine renewable energy initiatives covering the EU Atlantic area, based on the philosophy and furthering the objectives of the Strategic Energy Technology plan (SET plan)</p>	<ul style="list-style-type: none"> ✦ Collaborate with the Ocean Energy SET Plan Implementation Working Group. ✦ Collaborate with the Offshore Wind SET Plan Implementation Working Group. ✦ Collaborate with the Vanguard Initiative, especially with the Marine Renewable Energy Partnership. ✦ Identify actions to be implemented in the Atlantic Area (based on the SET Plans) ✦ Identify funding programmes to implement the actions and help reach the specific deployment objectives for MRE. ✦ Analyse the new Offshore Renewable Energy Strategy and the main challenges to reach 2030 and 2050 objectives. 	<p>December 2022</p>	
<p>5) Develop public awareness using appropriate communication tools on marine renewable energy in the Atlantic</p>	<ul style="list-style-type: none"> ✦ Design a dissemination & communication plan (objectives, target audience, communication means) ✦ Collaborate with the awardees of the tender “Call for tenders ENER/2020/OP/0028 - Study on the offshore energy potential in the Atlantic Ocean”. Task on Stakeholder involvement 	<p>July 2021 (continuous updates)</p>	
<p>6) Strengthen cooperation in the European ocean energy community</p>	<ul style="list-style-type: none"> ✦ Promote cooperation between relevant policy makers (regional, national & European level), industry and academia. ✦ Collaborate with other CPMR Commissions and with other sea basin strategies or initiatives (e.g. North Sea Energy Cooperation) 	<p>December 2022</p>	<p>Examples: Clean Energy Transition Partnership OPIN – Ocean Power Innovation Network</p>
<p>7) Develop a specific ocean energy framework for EU islands in the Atlantic</p>	<ul style="list-style-type: none"> ✦ Promote “energy insularity” concept for island regions ✦ Promote a MRE project for islands as early uptakers 	<p>December 2022</p>	<p>Example: PHARES project</p>

ACTIONS TO IMPLEMENT THE ROADMAP – Task Force

- Task Force 1st meeting on 10 December, 2020
- Task Force 2nd meeting on 26 March, 2021
- Task Force 3rd meeting on 7 October, 2021

Olatz	Ajuria Astobiza
José Luis	Villate
Marcos	Suarez
Ana	Brito e Melo
Tiago	Morais
Joaquin	Hernández Brito
Pedro	Mayorga
Rosa	Núñez Pardo de Vera
Silvia	Torres López
Indalecio	González Fernández
Andrea	Díaz Barredo
Francisco	Royano
Philippe	Thieffry
Anne Marie	O'Hagan
Elise	Wattrelot
Delphine	Kaczorowski

ACTIONS TO IMPLEMENT THE ROADMAP – Task Force

Original plan

3 actions of the roadmap were prioritized and subgroups created to advance with the work. Each one has a coordinator and participants.

Subgroup 1: Set specific deployment objectives for marine renewable energy in the Atlantic regions taking into account their environmental impacts.

1st meeting: 26 May, 2021

Subgroup 2: Pool together different marine renewable energy initiatives covering the EU Atlantic area, based on the philosophy and furthering the objectives of the Strategic Energy Technology plan (SET plan)

1st meeting: 16 June, 2021

Subgroup 3: Develop public awareness using appropriate communication tools on marine renewable energy in the Atlantic

1st meeting: 2 June, 2021

Revised Plan

Identify a MRE lighthouse project for the Atlantic Area covering various aspects such as:

- Technology
- Environmental aspects
- Supply chain development
- Social acceptance
- Financing (pooling together European, national and regional funds)
- Etc.

ACTIONS TO IMPLEMENT THE ROADMAP – Workshops (I)

WEBINAR

Date: 27 May 2021

Duration: 3 hours

Format: online

FOSTERING BLUE DIGITALIZATION FOR MARINE RENEWABLES IN THE ATLANTIC AREA

1st sessions. Presentations by several institutional representatives

2nd session. Discussion panel. Specific projects and a dedicated Q&A session.

Closing and final remarks. Atlantic Strategy Steering Committee Spanish Representative

SLIDO application was used to seek interaction with participants

Some conclusions on the topic:

- Digitalization becomes even more relevant in offshore infrastructures/plants
 - Collaboration is needed between big industry and start-ups and small enterprises
 - Huge amount of data is needed to advance in digitalization tools. The management of the data is also challenging
 - The sharing of the data can generate IP challenges
 - Some concepts to be developed: digital twins, artificial intelligence, augmented reality
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ACTIONS TO IMPLEMENT THE ROADMAP – Workshops (II)

WORKSHOP

Date: 7 October, 2021

Place: in the framework of Ocean Energy Conference, Bilbao

Duration: 6 hours (site visit included)

Format: hybrid

PLACE OF MRE IN MARINE SPATIAL PLANNING IN THE ATLANTIC AREA

1st sessions. Presentations by several institutional representatives on MRE Spatial Planning

2nd session. Discussion panel

Closing and final remarks. Atlantic Strategy Steering Committee Spanish Representative

3rd session. Site Visit to BiMEP



ACTIONS TO IMPLEMENT THE ROADMAP – Workshops (III)

WORKSHOP

Date: 9 May, 2022

Place: IH Cantabria

Duration: 5 hours

Format: Face-to-face

Collaboration between Pillar III & IV and DG MARE

SMART SPECIALISATION FOR SUSTAINABLE BLUE ECONOMY - *The future we want for Marine Renewables in the Atlantic Area*

1st sessions. Presentations by EU, AAP Presidency and pillar coordinators

2nd session. Round Table

Closing and final remarks

ACTIONS TO IMPLEMENT THE ROADMAP – other collaborations

COLLABORATION WITH OTHER PILLARS

3 November, 2021 – Participation in “The Blue Economy and the Digital Transition” (Pillar II)

26 April, 2022 – Participation in “Towards Digital and Green Blue Careers” (Pillar II)

OTHER EVENTS (Ocean Energy Conference, Bilbao)

Presentation in main conference

Stand in Exhibition area



BROKERAGE EVENTS

Smart Specialisation for Sustainable Blue Economy: Brokerage Event on MRE

MEETINGS WITH OTHER PROJECTS: SIMAtlantic





Merci
Thank you
Obrigado
Gracias
Eskerrik asko

