

Atlantic Action Plan – Consultation Workshop Spain

Marine Renewable Energies
Restit

12 September 2018



Building a better
working world

Breakout Session 1

Innovation - How to maintain the Atlantic's technological leadership in developing new MRE technologies

BOS 1 - Innovation - How to maintain the Atlantic's technological leadership in developing new MRE technologies

Actions				
Type	Challenge	Brief description of potential action	Involved SH	Lessons learnt from existing/ past projects
Political/ strategic	Maintain political will Integrate existing strategies into AAP Integrate non-Interconnected zones specificity into strategies	Specific objectives for Atlantic regions in the SET Plan	EC & MS	Need to be realistic and credible in the time-scale (things that are difficult but achievable)
Tech Political/ Strategic	Need to lower LCOE, time value of energy, and increase GVA associated with the deployment of MREs Reduce the costs of E.	Show additional benefits (social..), quantify the time value of energy Atlantic tariff (area for the deployment of technologies) 2nd generation technology	TBD (Market pool strategy)	Structural funds used in the Canaries for offshore wind (fixed amount of energy) Split MW and tariffs according to the different technologies
Funding	Access to funding	Atlantic ERA-net		

BOS 1 - Innovation - How to maintain the Atlantic's technological leadership in developing new MRE technologies

Actions

Type	Challenge	Brief description of potential action	Involved SH	Lessons learnt from existing/ past projects
Funding	Access to funding	Atlantic ERA-net		
Funding	Need to convince investors by showing the value of the projects	Explicit analysis of performance/ economic study	TBD	Existing projects from the International Energy Agency
Funding / Tech	Insufficient learning on what we are doing Make informed decisions / Picking winners	Information sharing and mechanism of info collection to draw lessons: SG Metrics	TBD	US experience
Tech	Testing / develop tech that will reduce the costs	Facilitate access to test facilities in the future Marinets scheme (maintain/ extent)		
Strategic	Mitigate risk for the market when big players leave (Naval group)	NA		
Coordination	Better information sharing among actors to access data transparency	NA		

Innovation

Specific objectives for Atlantic regions in the SET Plan	Explicit analysis of performance/ economic study
<p>Show additional benefits (social..), quantify the time value of energy</p> <p>Atlantic tariff (area for the deployment of technologies)</p> <p>2nd generation technology</p>	Information sharing and mechanism of info collection to draw lessons: SG Metrics
Atlantic ERA-net	Facilitate access to test facilities in the future Marinet scheme (maintain/ extent)

Breakout Session 2

MRE in synergy - Ports and other businesses

Table – Metaplanning Result

1 – Port infrastructure & management

Actions				
Action description	EC	MS Authorities	Research Actors	Others
Adapt port rules and legislation to allow for economic incentives	X	X		
Allow for more flexibility regarding land use in ports				Port Authorities
Implement subsidies for the creation of MRE-linked infrastructure in ports	X			
Create strategic plans to foster MRE infrastructure	Assist			Port Authorities
Make port organization and rules of utilization more transparent.	Assist	X		Port Authorities

Table – Metaplanning Result 2 – Cooperation

Actions				
Action description	EC	MS Authorities	Research Actors	Others
Share information on the state of play and opportunities of MRE among ports, industry and research	X	X	X	X
Define the roles and possibilities of ports depending on their size	X	X	X	X
Define best sites for MRE farms and adjacent ports	X	X	X	X
Make more information available on the supply chain and MRE possibilities	X	X	X	X

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Table – Metaplanning Result 3 – MSP

Actions				
Action description	EC	MS Authorities	Research Actors	Others
Gather MSP Authorities, Municipalities and ports through a common platform such as a “Port Forum”	Assist	Assist		Port Forum

MRE in synergy - Ports and other businesses

Port infrastructure & management	Share information on the state of play and opportunities of MRE among ports, industry and research	MS a3 Authorities
Adapt port rules and legislation to allow for economic incentives	Define the roles and possibilities of ports depending on their size	Gather MSP Authorities, Municipalities and ports through a common platform such as a "Port Forum"
Allow for more flexibility regarding land use in ports	Define best sites for MRE farms and adjacent ports	
Implement subsidies for the creation of MRE-linked infrastructure in ports	Make more information available on the supply chain and MRE possibilities	
Create strategic plans to foster MRE infrastructure		
Make port organization and rules of utilization more transparent.		

Breakout Session 2

Project Finance and the route to commercialisation

Table – Metaplanning Result 1 – Risks

Actions				
Action description	EC	MS Authorities	Research Actors	Others
Clearly defining risks in contracts			X	
Investment in energy storage capacity	X	X		Network Operator
Reinforcement of Island grids	X	X		Network Operator
Allow for more flexibility in contracts			X	Network Operator
Diversifying risks by joint financing between public and private banks	X (EIB)	X		Private Banks
Use capital grants, feed-in tariffs to support high-risk projects	X	X		

Table – Metaplanning Result 2 – Access to finance

Actions				
Action description	EC	MS Authorities	Research Actors	Others
Financial Instruments for the sector in total	X			EU Banks
Funding sources explained	X	X		
Simplification of admin process to access to finance	X	X		Private Actors
Tax incentive to leverage private equity	X (directive)			
Support for innovation – help to scale up	X (specific instruments)			Private investors

Table – Metaplanning Result 3 – Valley of Death

Actions				
Action description	EC	MS Authorities	Research Actors	Others
25MW by 2025, 5 * 5 MW farms in the water by 2025, 1 per MS	X	X (regions)		
Revenue support for tidal energy, through an initial feed-in tariffs and later support from the ERDF	X (as part of the AS)	X		
R&D support for wave energy	X (as part of the AS)	X		
Create national strategies and objectives		X		Industry
Political Champions	X	X		Industry

Project Finance and the route to commercialisation

Risks	Acces to finance	Valley of Death
Clearly defining risks in contracts	Financial Instruments for the sector in total	25MW by 2025, 5 * 5 MW farms in the water by 2025, 1 per MS
Investment in energy storage capacity	Funding sources explained	Revenue support for tidal energy, through an initial feed-in tariffs and later support from the ERDF
Reinforcement of Island grids	Simplification of admin process to access to finance	R&D support for wave energy
Allow for more flexibility in contracts	Tax incentive to leverage private equity	Create national strategies and objectives
Diversifying risks by joint financing between public and private banks	Support for innovation – help to scale up	Political Champions
Use capital grants, feed-in tariffs to support high-risk projects		

Breakout Session 4

Islands and isolated coastal areas – opportunities for MREs

BOS 4 - Islands and isolated coastal areas – opportunities for MREs

Actions				
Gap	Challenges	Brief description of potential action	Involved SH	Lessons learnt from existing/ past projects
Strat/ reg	Planning and permitting/ MSP Price regulation	Provide a specific framework for Islands Coordinate with the State to allow fast track processes Would cover permission and price issues	Island gvt with MS and EU assistance	Linked to Clean Energy for EU Islands Initiative
Strat/ reg	Incentives to develop MREs Incentives for developers	Special instruments to ease up the development of MREs Test sites Promotion of opportunities to act as living laboratories (smart grids)	Local & regional	
Strat/ reg	Acceptance (social and environment)	Education and training programmes to improve knowledge and skills	Local & regional	
Strat/ reg	Acceptance (social and environment)	Participation of general population Higher electrification of the demand	Local & regional/ MS	
Tech/ economic	High CAPEX & LCOEs Variability, Seasonality	Demonstration projects and exchange between islands	TBD	Projects should be connected
		Knowledge transfer from the continent to	TBD	Cannot fully cover Islands'

Project Finance and the route to commercialisation

Provide a specific framework for Islands
Coordinate with the State to allow fast track processes
Would cover permission and price issues

Special instruments to ease up the development of MREs

Test sites
Promotion of opportunities to act as living laboratories (smart grids)

Education and training programmes to improve knowledge and skills

Participation of general population
Higher electrification of the demand

Demonstration projects and exchange between islands

Knowledge transfer from the continent to the islands



