

One Mediterranean: practices, results and strategies for a common Sea

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Promote the role of marine renewable
energies in the energy transition phase
through
Effective maritime spatial planning in the
Mediterranean

Priorities 9 and 6

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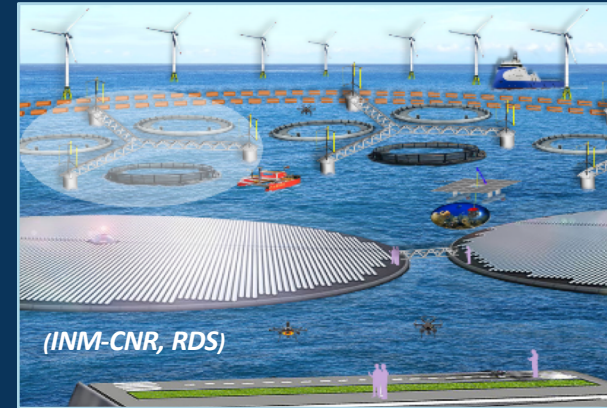
blueMed

Research and Innovation
for blue jobs and growth
in the Mediterranean Area

Strategic actions

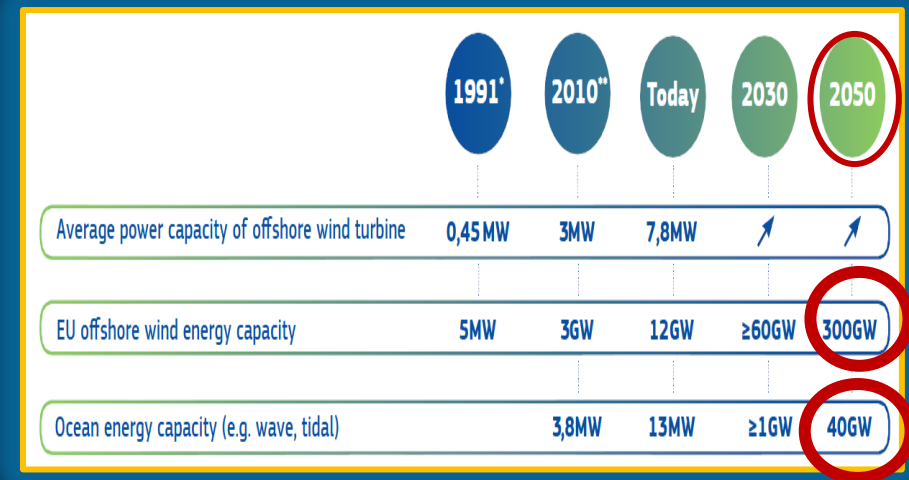
Priorities 9 and 6

- *R&D on multi-purpose platform combining green energies production and storage (hydrogen, etc.) with fishing and aquaculture, tourism, offshore research, marine life and environmental monitoring, maritime surveillance and pollution monitoring. Modelling of economic impacts and interactions with other maritime uses and activities.*
- *Monitoring, supporting, adapting the implementation process of MSP in the Mediterranean, in connection with EC-DG Mare, UNEP-MAP, UNESCO-IOC, Mediterranean Countries.*



The role of MRE for a climate-neutral EU by 2050

- EU Green Deal** *“renewable energy sources will play a key role for the EU clean energy transition and increasing ORE production will be an important measure in this regard, building on regional cooperation between Member States and highlights ways to tap into the potential of ORE, including floating wind and solar, wave, and tidal energy, notably by managing the Union’s maritime space more sustainably”*
- Offshore Renewable Energy Strategy** (Nov. 2020) *“ORE is among the renewable technologies with the greatest potential to scale up...”*
“MSP is an essential and well-established tool to anticipate change, prevent and mitigate conflicts between policy priorities while also creating synergies between economic sectors”



All European basins are fundamental for the achievement of these objectives

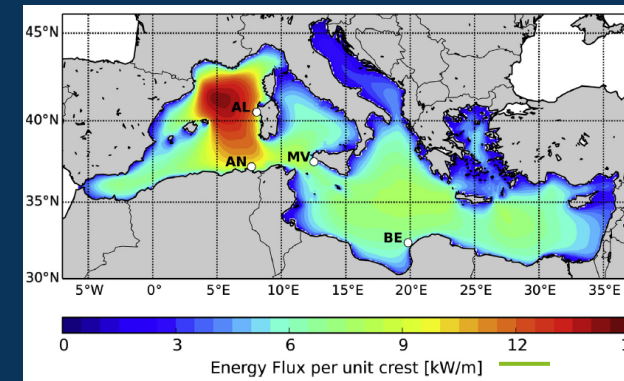


The Mediterranean scenario

- Early stage of exploitation
- Lower energy potentials
- Site-specific solutions
- Coexistence with Med uses and vocations
- Potentials for Multi-use (aquaculture, O&G, desalination, tourism, hydrogen and other green energies production and storage etc.)
- Consolidated R&I community and growing interest of operators and decision-makers
- Licensing and permitting procedures



(Pharos4MPAs, 2019)

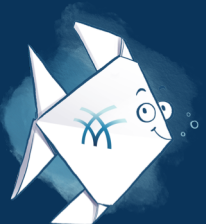
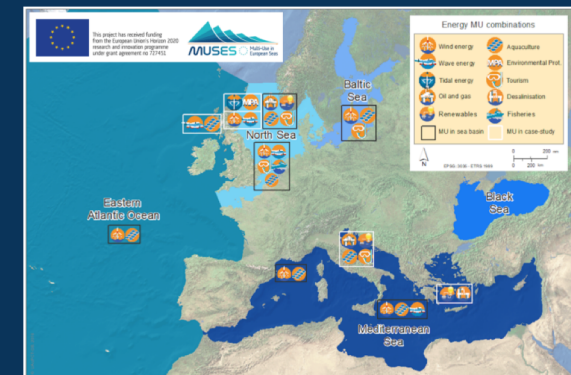


(Besio et al., 2016)



Wave for Energy-ISWEC, Pantelleria

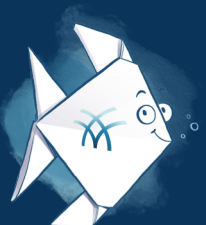
Ongoing MSP processes and Plans offer a great opportunity to foster MRE and promote a positive interaction with other maritime businesses



A multidisciplinary action is needed

1. R&I: large demonstration projects (floating offshore), systems integration and optimization, increase TRL and decrease LCOE, energy storage and grid connection, remote sensing and maintenance;
2. Environmental impact: assessment of environmental interactions;
3. Maritime spatial planning: analysis of interactions and synergies with other sea and coastal uses in the short, medium and long term;
4. Social acceptance: multidisciplinary evaluation including socio-economic dimension.

These points must be strongly interconnected



Implementation

Indicative starting time	Proposals have been submitted, some activities are ongoing
Suggested timeframe	ttt
Proposed funding programmes and instrument	Horizon Europe, Interreg MED
Tentative budget	€€€

