
Sustaining marine protection in the light of offshore wind development in the Mediterranean Sea

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EU Blue Growth Strategy



PHAROS4MPAs

Blue Economy and Marine Conservation: Safeguarding Mediterranean MPAs to achieve Good Environmental Status



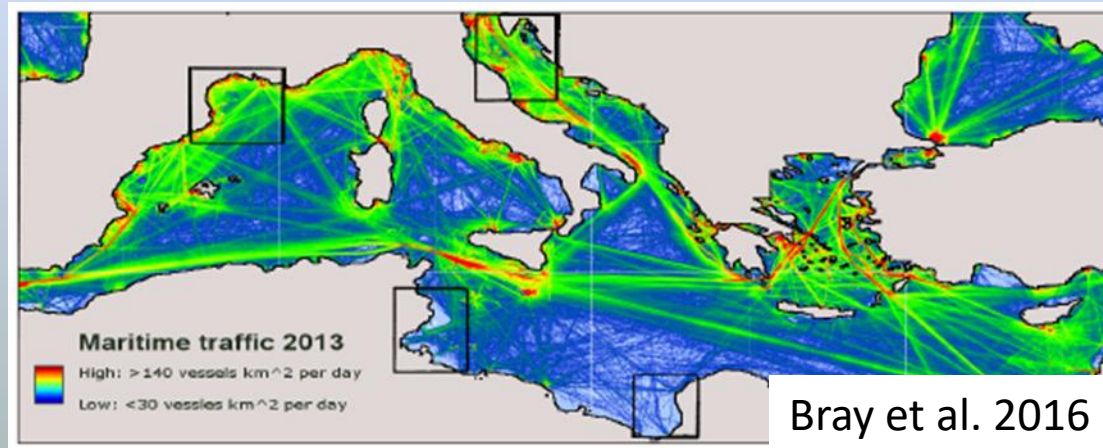
- 17 partners from 10 countries (Feb 2017 – Jan 2020)
- 7 maritime sectors
- Practical recommendations for stakeholders (Public authorities, MPA managers, Offshore Wind industry)
 - Enhancement of MPA management effectiveness
 - Concrete environmental measures for decision makers in Marine Spatial

Planning

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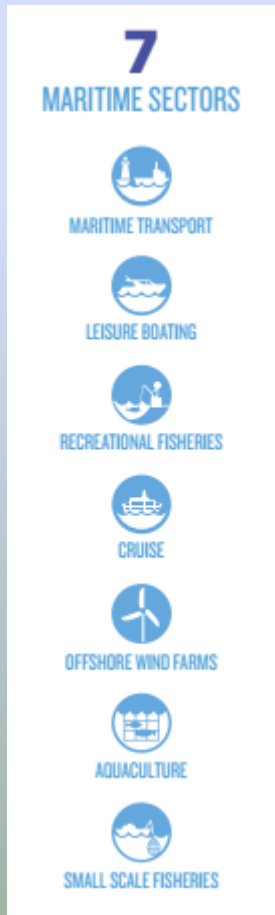
Present situation in the Mediterranean

- Aquaculture production 4 x higher (1996 – 2016)
- 80% of fish stocks overfished
- No. 1 tourist destination
- carries 15% of global shipping

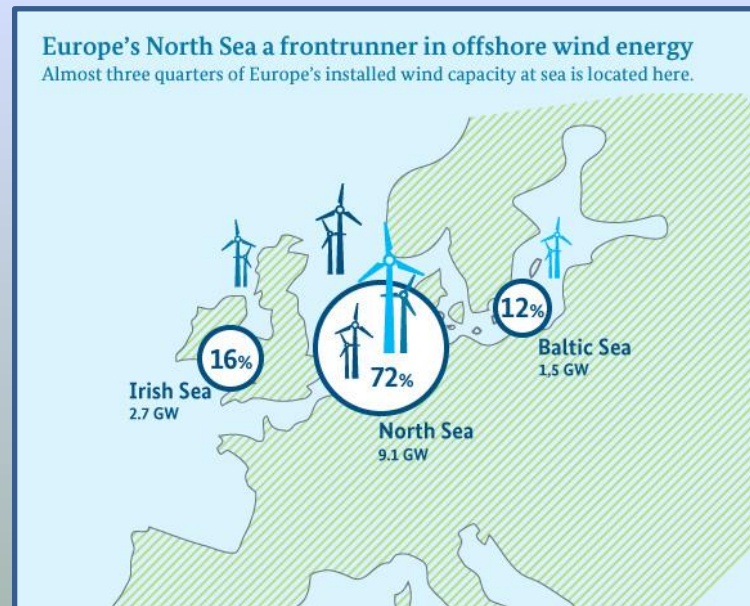
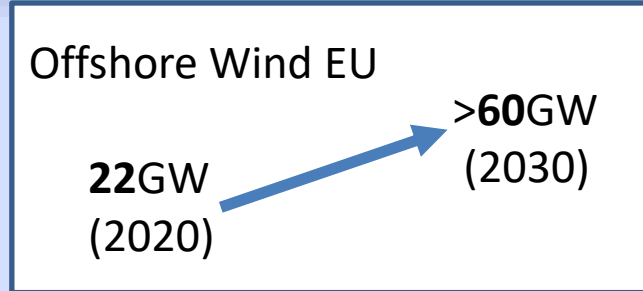


- 1,231 Marine protected areas

→ Competition for space



Offshore Wind in PHAROS4MPAs



No Offshore Wind in the Mediterranean

Rounded figures

BMW I

PHAROS4MPAs

Idea behind PHAROS project

MSP important tool for coexistence of anthropogenic activities and nature conservation

Even more if one more player, OWF, enters the game

OWF can have negative impacts on environment

Practical implementation

Take experiences and lessons learned from Northern Europe

→ transfer to MedSea

recommendations for public authorities

wind farm **developers** and

MPA managers in the Mediterranean region

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Finding the right balance between developing clean energy and ecosystem protection enforcement

EU Climate Targets

32% renewable energy by 2030

18% in 2018

Offshore wind expected to be main contributor to reach EU goals

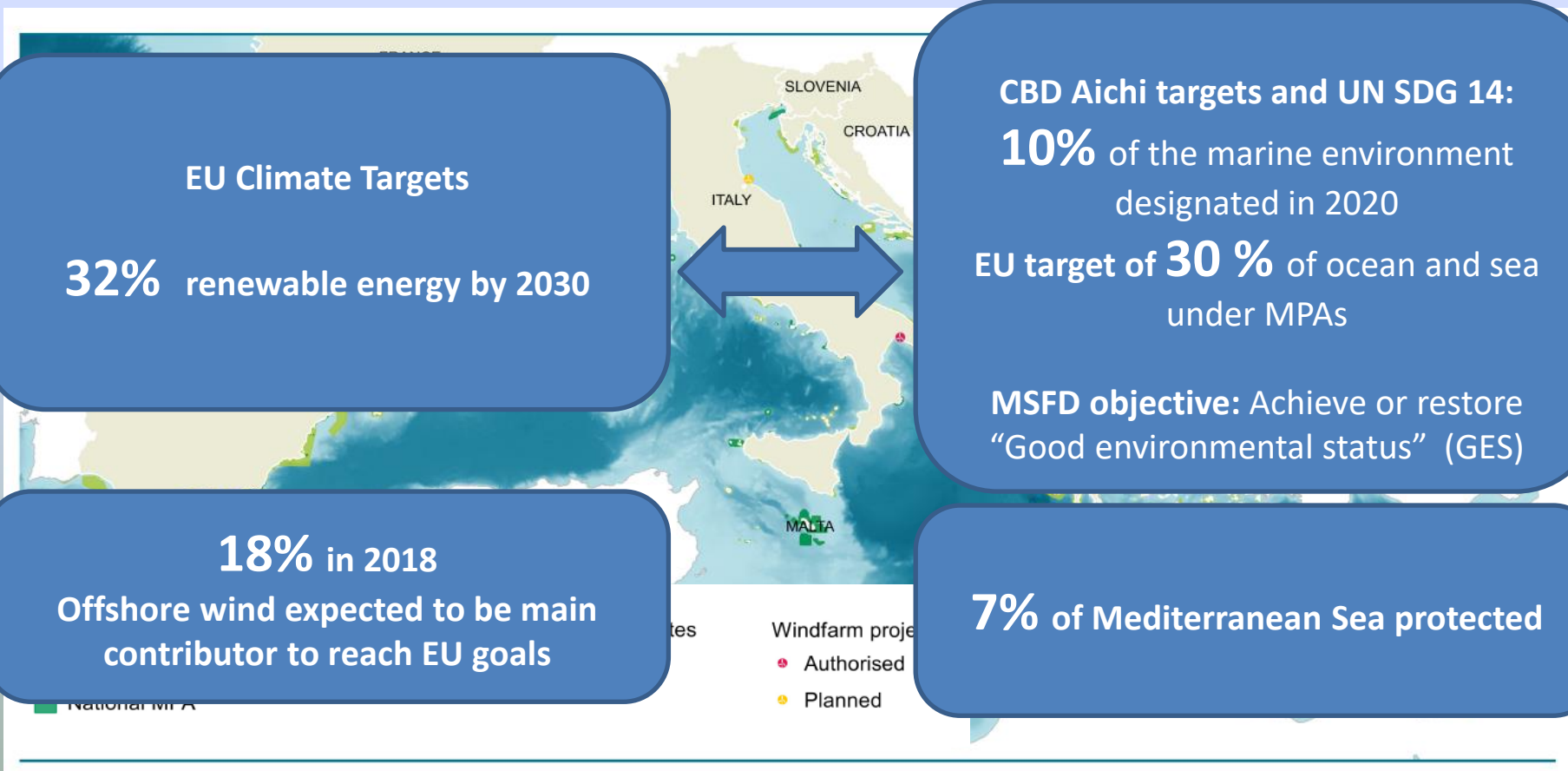
CBD Aichi targets and UN SDG 14:

10% of the marine environment designated in 2020

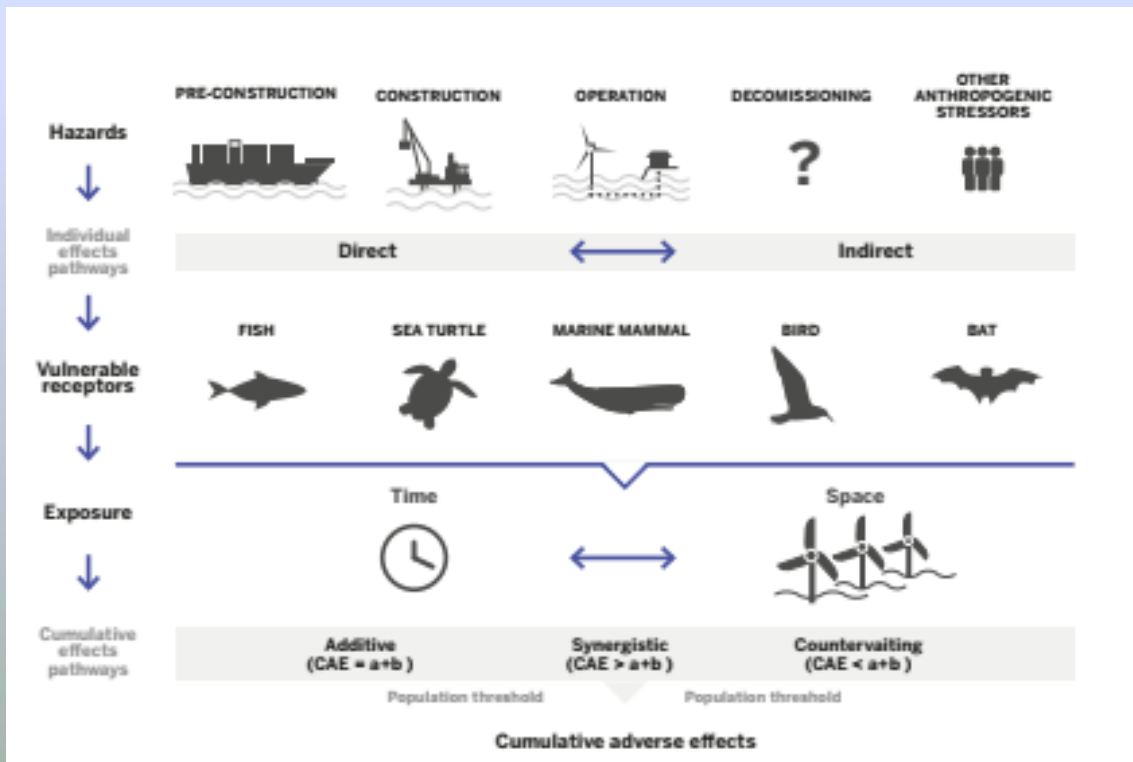
EU target of **30 %** of ocean and sea under MPAs

MSFD objective: Achieve or restore “Good environmental status” (GES)

7% of Mediterranean Sea protected



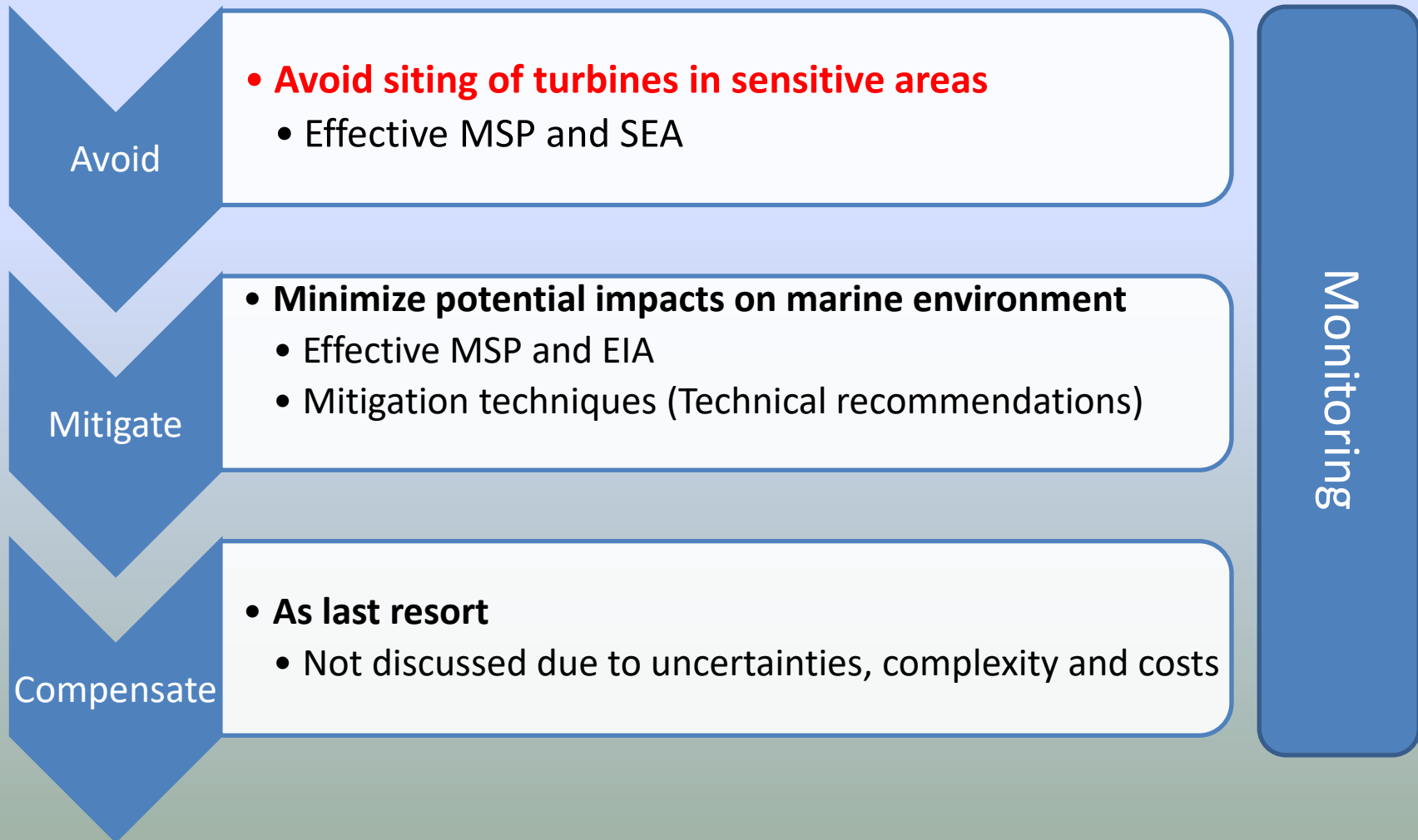
Impacts of OWFs



Recommendations



Main recommendations



OWF and Marine Protected Areas

GERMANY

- **Marine situation:** MSP regulates use of space in German EEZ.
- **Current situation:** One OWF is located inside a Natura 2000 site
various cable connections and service traffic cross Natura 2000 marine areas.

Today, planning regulations do not allow OWFs in Natura 2000 areas, but cable connections still need to cross some MPAs

UNITED KINGDOM

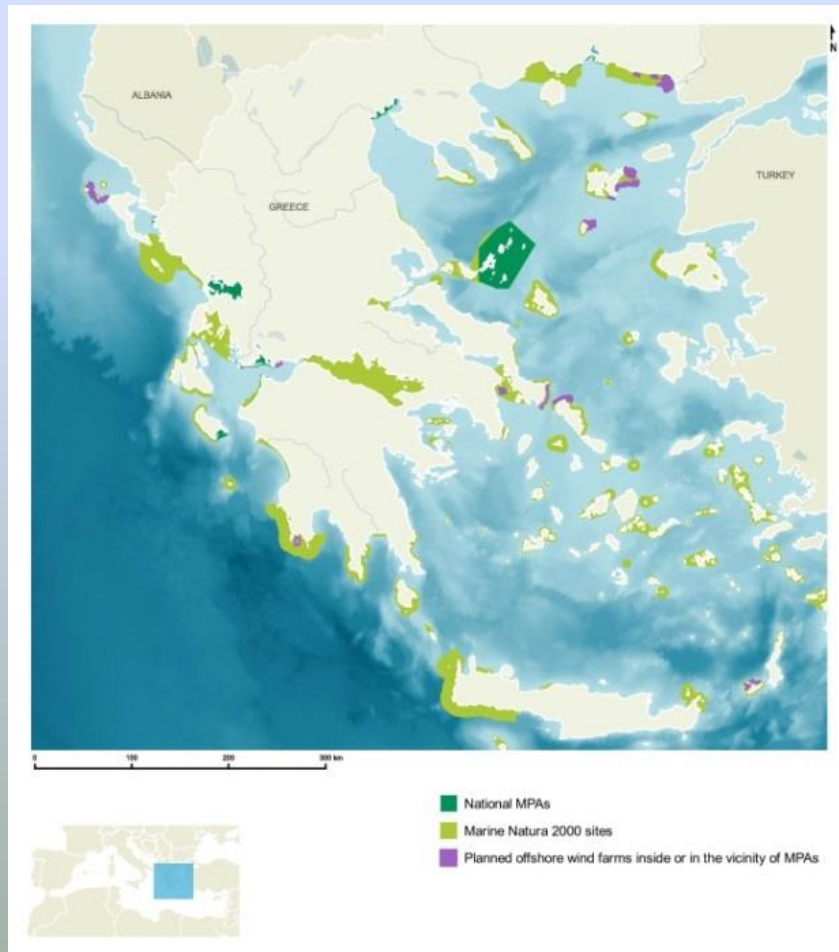
- **Marine situation:** MSP regulates use of space in UK EEZ. Differences between countries
- **Current situation:** In the UK OWFs inside MPAs are not prohibited according to national law.

The co-location of OWFs and MPAs can be regarded as beneficial

Some sites have different kinds of advisory groups, enabling stakeholders such as fishermen to participate in the development and management process.

OWFs and MPAs in the MedSea

GREECE



Marine situation:

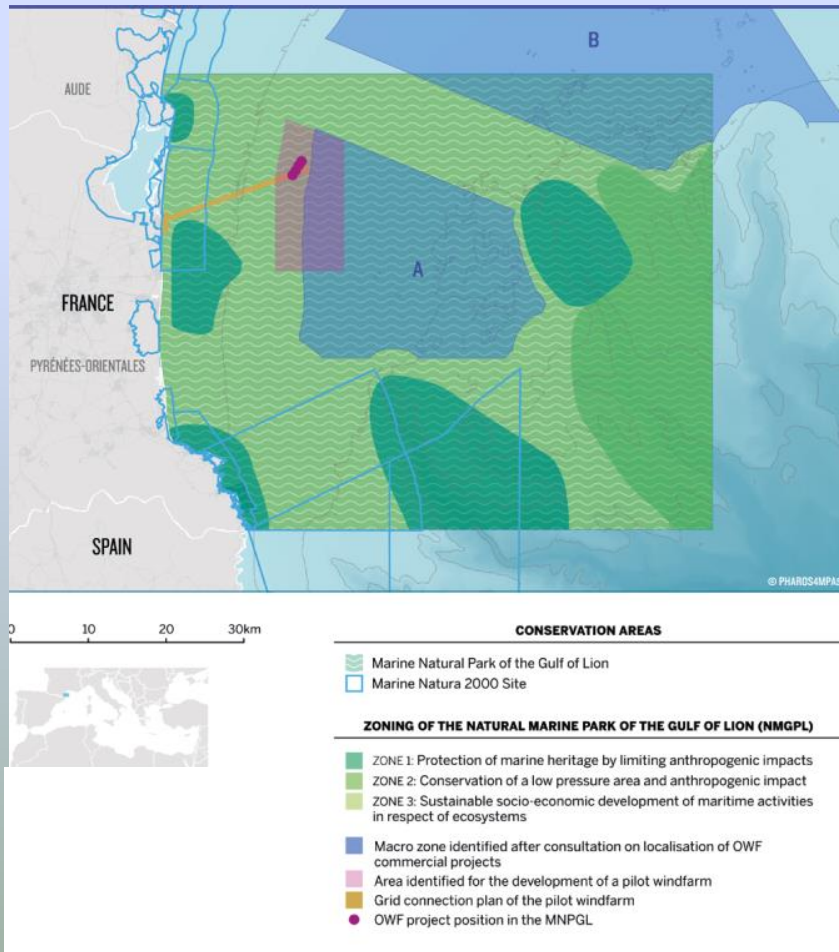
- Limited space for OWFs due to small EEZ.
- No MSP in force.

Current situation:

- No OWFs yet constructed.
- There are individual initiatives for developing OWFs, but without national MSP.
- There are 20 proposed OWFs in 14 different Natura sites.

OWFs and MPAs in the MedSea

FRANCE



Marine situation:

- Action plan for the MSP documents being drafted, along with a consultation process to identify future commercial sites

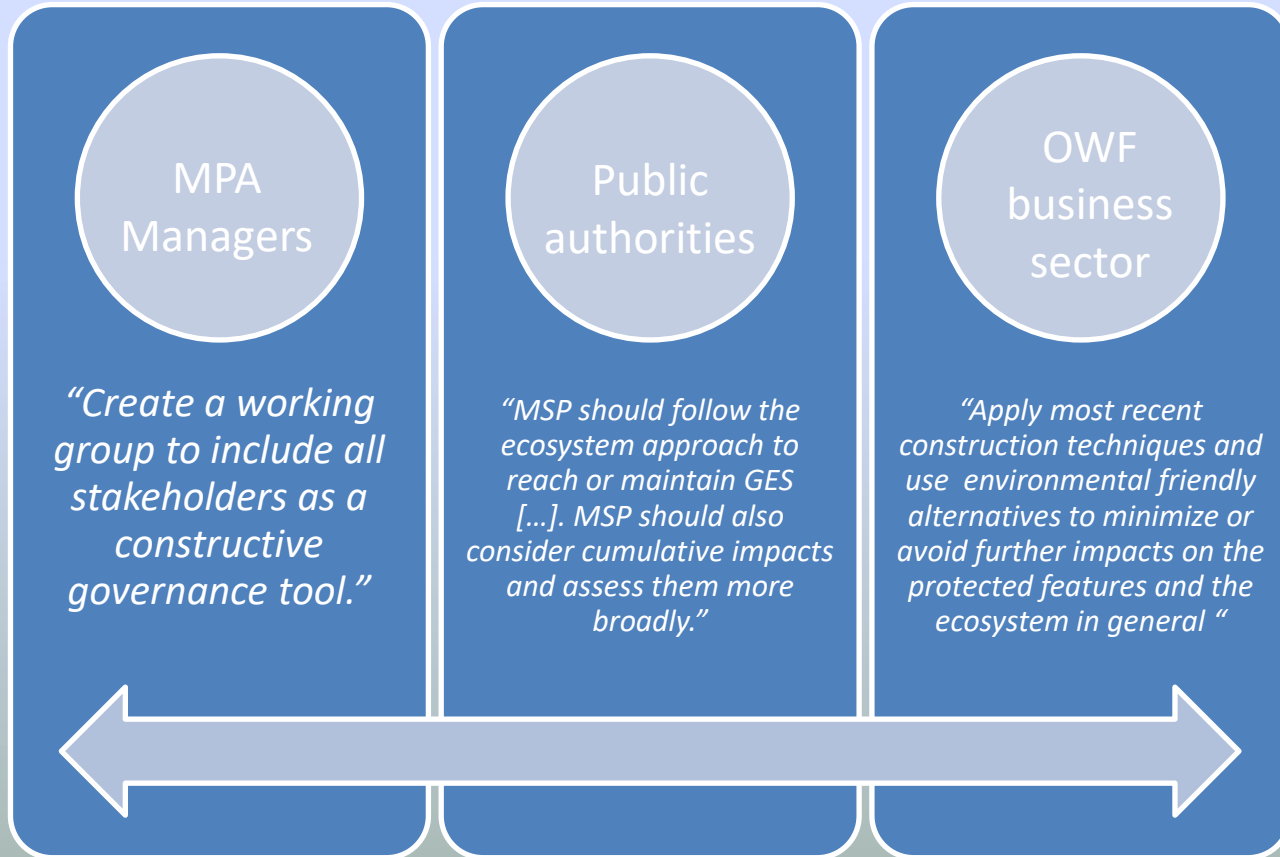
Current situation:

- No OWFs in Mediterranean Sea constructed yet.
- Pilot projects authorized
- One pilot project located in MPAs as an experiment to study the environmental effects

National Marine Park of the Gulf of Lion (NMPGL)

- MPA management body
- **OWF working group:** 20 people representing all stakeholders, including the OWF industry

Recommendations



Output



https://pharos4mpas.interreg-med.eu/fileadmin/user_upload/Sites/Biodiversity_Protection/Projects/PHAROS4MPAs/WWF_PHAROS4MPAs_OffshoreWindFarm__CapitalizationReport.pdf

https://pharos4mpas.interreg-med.eu/fileadmin/user_upload/Sites/Biodiversity_Protection/Projects/PHAROS4MPAs/OWF_19june_single_page.pdf

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Thank you for your attention!

