

Regions to boost
National Maritime
Spatial Planning

Spanish MSP national process & regional initiatives

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Brest



Legal framework



Marine Strategy Framework Directive



Law of the protection of marine environment
(Law 41/2010)



Marine Spatial Planning Directive



Royal Decree MSP (RD 363/2017)

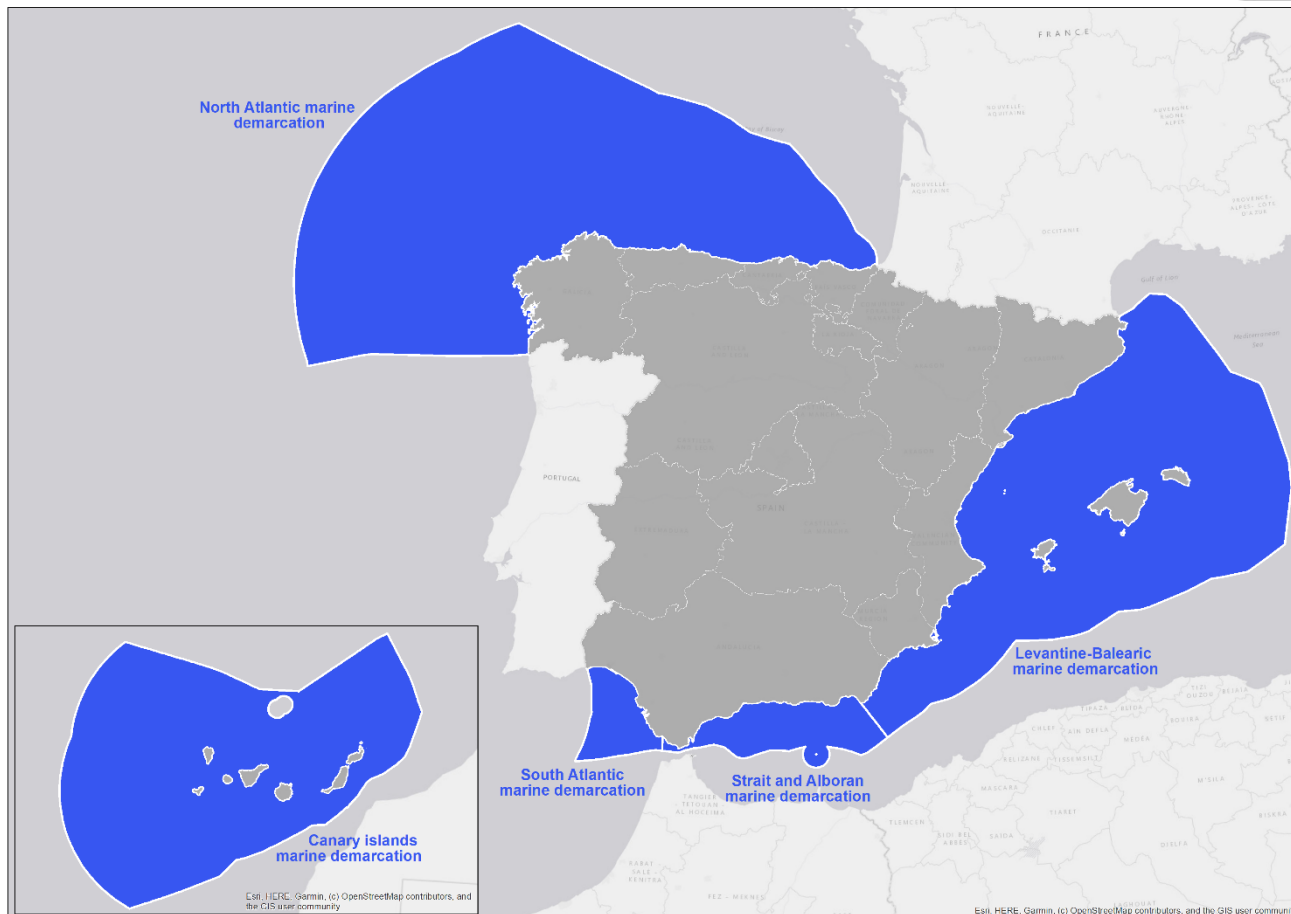


D.G. for the Coast and the Sea

To approve 5 Planes de Ordenación del Espacio Marítimo (POEMs) by Royal Decree.



Scope of POEMs



Credits: Mónica Campillos-Llanos (IEO,CSIC)

SPATIAL SCOPE:

All marine waters, including sea bed, subsoil and natural resources under Spanish jurisdiction, comprising the territorial waters, the exclusive economic zone and the continental shelf.

- Marine service areas of national and regional ports, are beyond the scope of these plans.
- Protected marine spaces shall be governed by applicable management regulations, notwithstanding their classification in these plans are priority-use areas for biodiversity conservation.

SECTORIAL SCOPE:

- General interest activities and uses (protection of marine environment, water quality, national defence, underwater cultural heritage, scientific research, etc.).
- Sectorial activities and uses (aquaculture, fisheries, energy, cables, navigation, ports, tourism...).



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Governance framework



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Complex competency system

- Regional competences: land-use planning, recreational ports; environmental protection management* fishing in internal waters, shell fishing and aquaculture; promotion and organisation of tourism in its territorial area.
- National competences: Fisheries*, Merchant navy, ports of national interest, Basic legislation on the protection of the environment

MSP - WG

Ad-hoc WGs

Discussions on key issues : UCH, MPA, ORE, ports, anchoring...



Objectives



General planning objective

To foster activity and growth in the maritime sectors in a way that is compatible with respect for the values of marine spaces and with sustainable development.

General-interest objectives

To protect the marine environment, to guarantee the supply of freshwater and its quality, to guarantee areas for scientific research, to protect the underwater cultural heritage, etc.

Multi-sector horizontal planning objectives

To minimize conflicts, to facilitate coexistence and promote synergies, to improve coordination and cooperation, etc.

Sectorial planning objectives

To enhance competitiveness and sustainability of aquaculture, to minimize the impact of human activities on fishing grounds, to achieve the Maximum Sustainable Yield on stocks of commercial species, to identify areas with potential for OWE, to ensure that the spatial needs of ports, to guarantee the public use and enjoyment of the public domain etc.

Stakeholder engagement



Meetings

- 1st stakeholders meeting (March 2019)
- 2nd stakeholders meeting (March 2020)
 - Renewable energy sector

Workshops

- Initially , one in-person workshop for each marine subdivision were planned



- National online workshop (Dec2020)
- Workshop on the interactions between fisheries and OWF (July 2021)

Public consultations

- 1st public consultation: Scoping process of SEA (January – June 2020)
- 2nd public consultation: official “Public audience” (June 2021)
- 3rd public consultation: SEA public consultation (July-September 2021)



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Planning tools



Zoning:

- Priority Use Areas (PUA)
- High Potential Areas (HPA)

Measures

- General measures
- Specific measures

PUA for :

- (1) protection of biodiversity
- (2) the extraction of aggregates for coastal protection
- (3) protection of cultural heritage
- (4) research & development
- (5) National Defence
- (6) Navigation

HPA for:

- (1) biodiversity conservation
- (2) R&D
- (3) port activity
- (4) developing offshore wind energy
- (5) marine aquaculture
- (6) the extraction of aggregates for coastal protection

Co-existence criteria:

- General criteria
- Specific criteria



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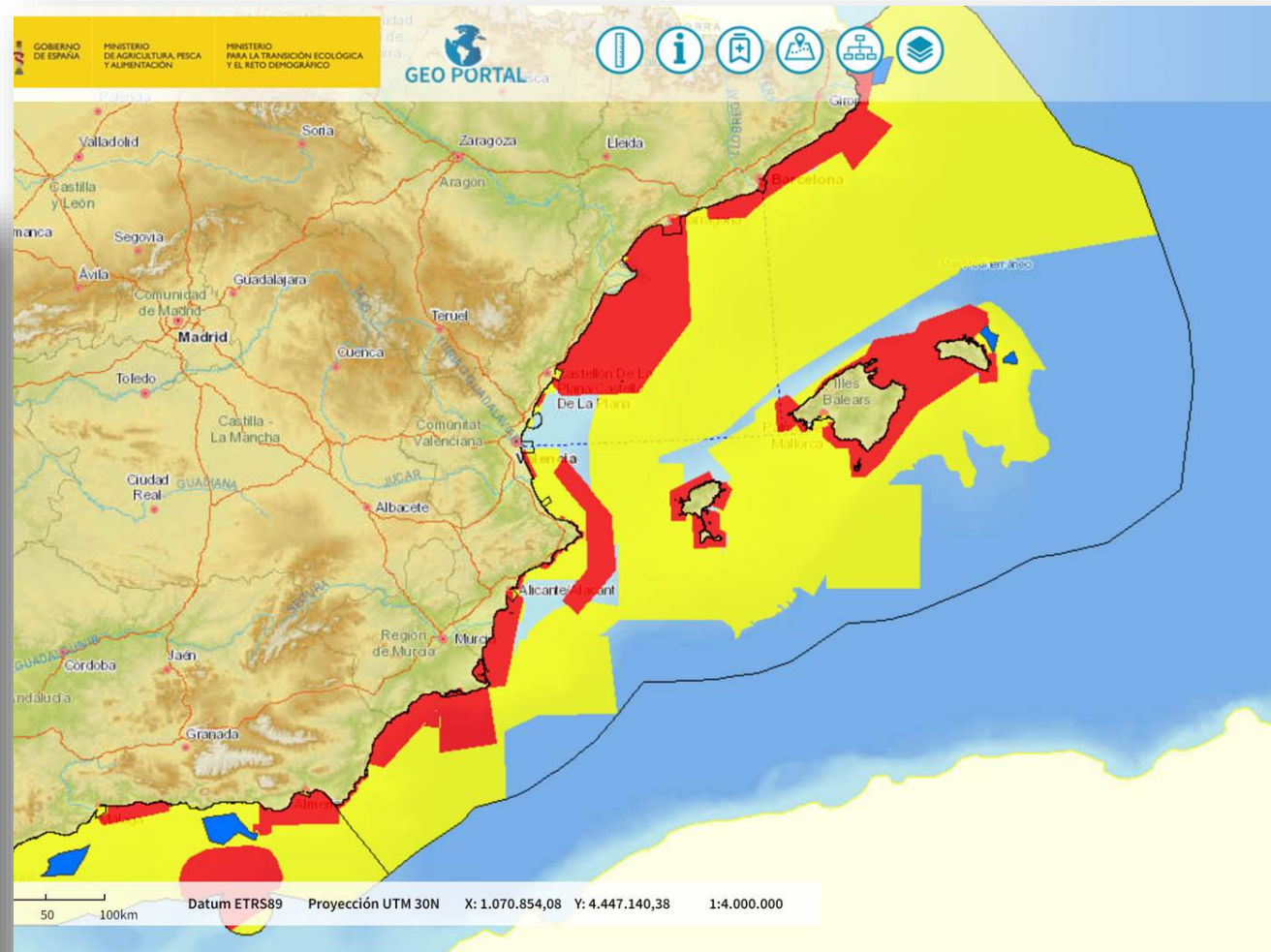
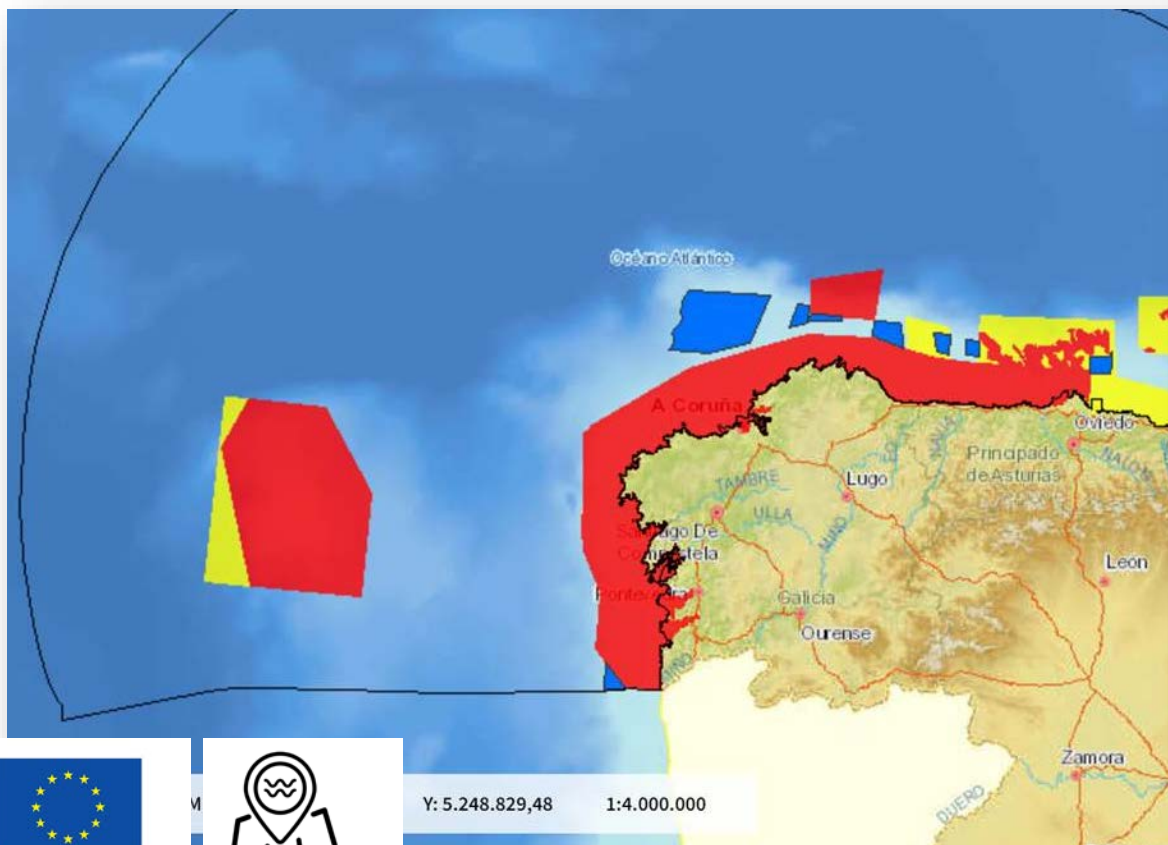
<http://www.infomar.miteco.es/visor.html>



Example of zoning



High Potential Areas (HPA) for OWF



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<http://www.infomar.miteco.es/visor.html>

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Measures (ex.)

- OEM1: Spatial analysis of **cumulative pressures** derived from the spatial concentration of certain uses and activities
- OEM2: Prospective study and **socioeconomic characterization** of the various sectors of the Spanish blue economy
- OEM3: Definition and incorporation into the POEMs of the set of elements that make up the **marine green infrastructure**
- OEM4: Preparation of the pleasure craft **anchoring management plans**
- OEM5: Creation of working groups to tackle planning matters with appropriate detail and scale
- OEM6: Preparation of a **national maritime strategy / blue growth strategy**
- OEM7: Preparation of a **strategy for the participation and involvement of the stakeholders**
- OEM8: Creation of a **website/app** related to uses of the sea
- ITM1: National Strategic Plan for the **Protection of the Spanish Coast considering the Effects of Climate Change**
- ITM2: Update to the analysis of vulnerability of the coast in the Shore Plan



+ 4 measures included after public consultation, regarding LSI and the impacts of OWF impacts on land/seascape, on marine environment and the fisheries sector.



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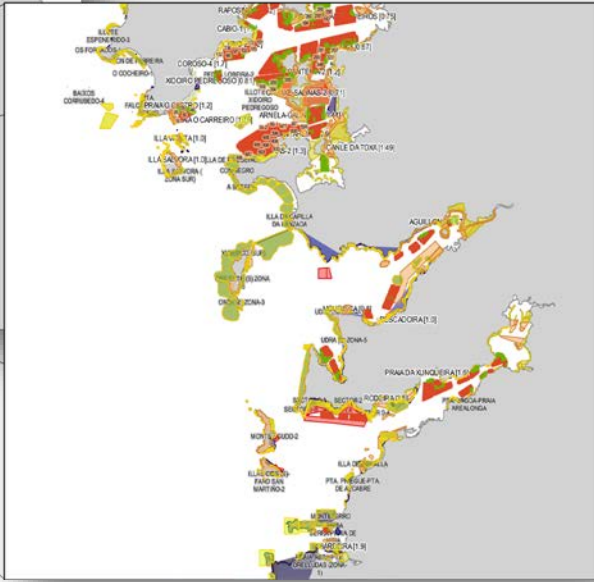
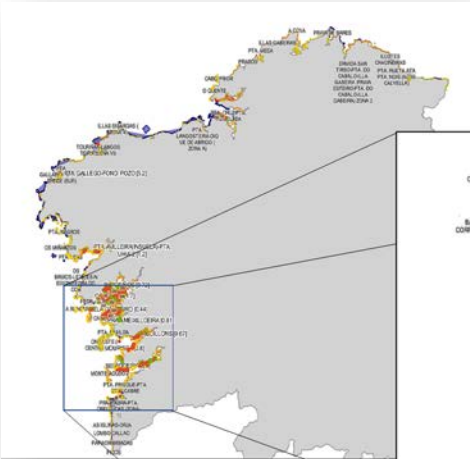
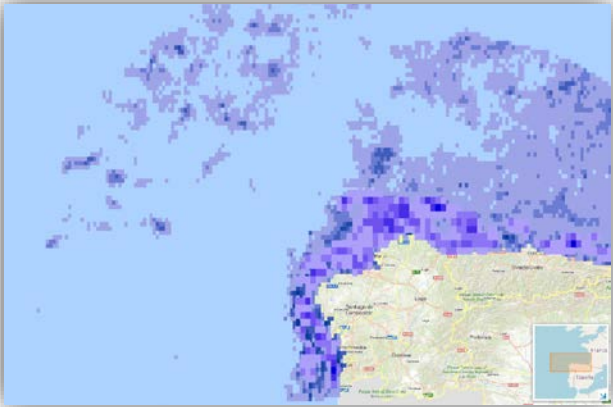
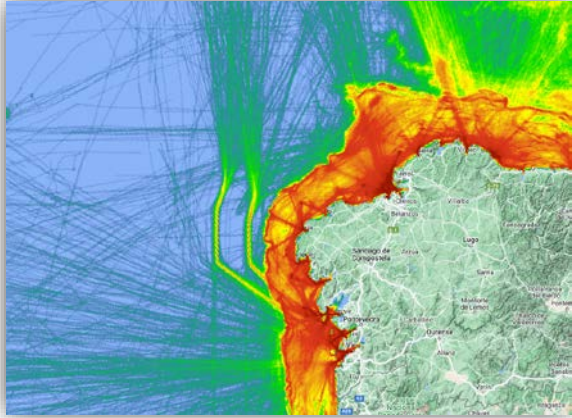
Regional initiatives on MSP in Galicia



Decision-support tool to integrate MSP and fisheries and aquaculture



FISHERIES & AQUACULTURE



Identification of fisheries and aquaculture activity



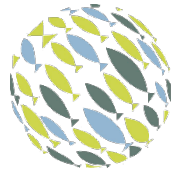
Quantification of the activity (direct, indirect and induced effects)



Visualization within MSP data in a GIS tool



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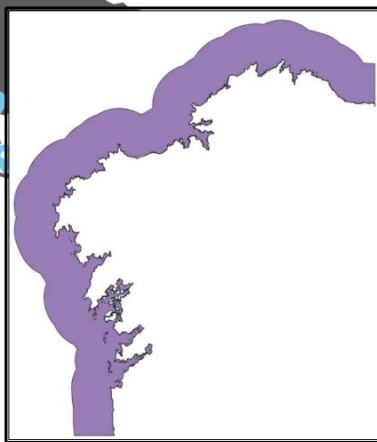


CETMAR
CENTRO TECNOLÓGICO DEL MAR

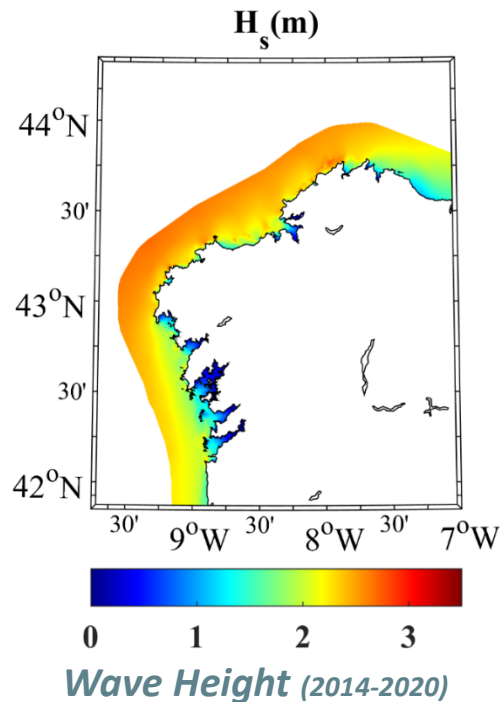
Environmental study of areas classified as having high aquaculture potential



AQUACULTURE



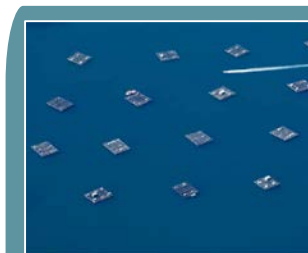
Territorial Sea



Wave Height (2014-2020)

Identification of the most suitable off-shore areas for aquaculture (Territorial Sea)

Analysis of time series of data: Significant Wave Height (H_s), Peak Wave Period (T_p), Temperature, Salinity and Currents.



Visualization within MSP data in a GIS tool

Sources of information

Puertos del Estado

meteogalicia

Copernicus
Europe's eyes on Earth

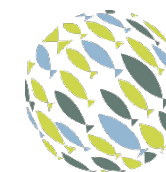
IBI



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Contacts

Thank you!

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