



Food and Agriculture
Organization of the
United Nations

Towards sustainable fisheries: mainstreaming biodiversity – what are our commitments and how do we deliver

Regional context and country perspective on the use of spatial conservation management: Spanish Marine Reserves for fisheries

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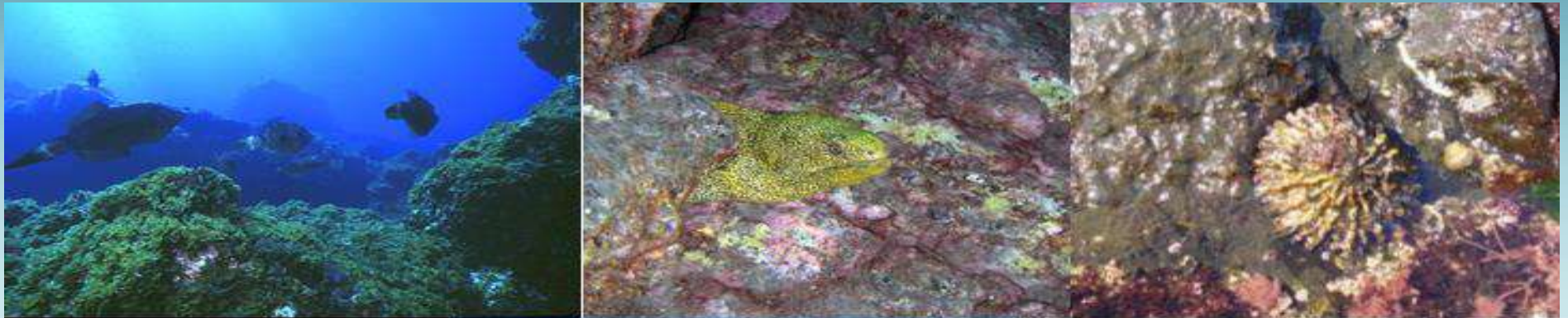
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#COFI33

Main Objectives

**ENHANCEMENT OF
FISHING RESOURCES**



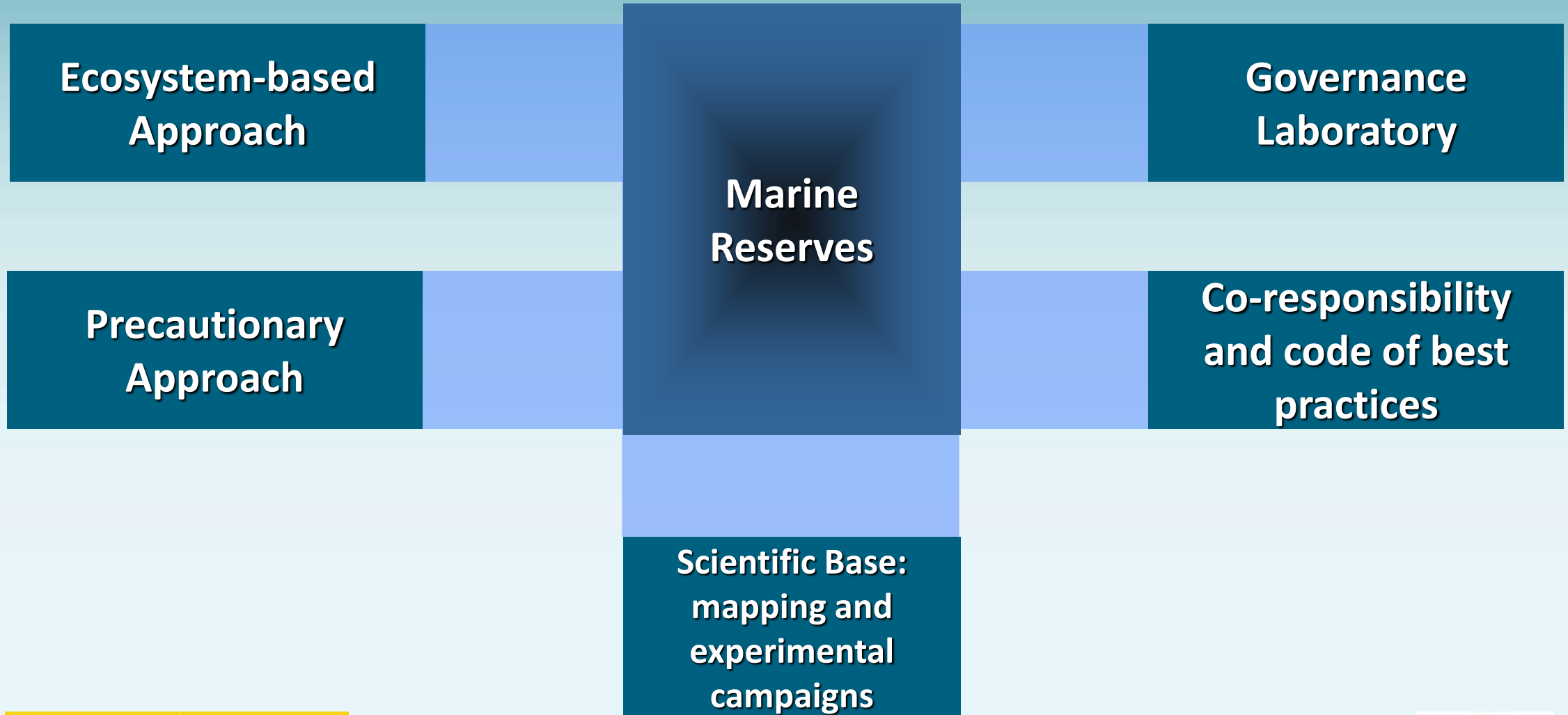
**FOSTERING SMALL
SCALE FISHERIES
(SSF)**



**PROTECTION OF
ESSENTIAL FISHERIES
HABITATS**



What is a Marine Reserve?



Uses in the Marine Reserves



Spanish Marine Reserves Network

- 1 1986 - Isla de Tabarca
- 2 1990 - Islas Columbretes
- 3 1995 - Cabo de Palos e Islas Hormigas
- 4 1995 - Cabo de Gata - Níjar
- 5 1995 - Isla Graciosa e Islotes del Norte de Lanzarote
- 6 1996 - Punta Restinga - Mar de las Calmas
- 7 1997 - Isla de Alborán
- 8 1999 - Masía Blanca
- 9 2001 - Isla de la Palma
- 10 2007 - Llevant de Mallorca - Cala Rajada
- 11 2017 - Cabo Tiñoso



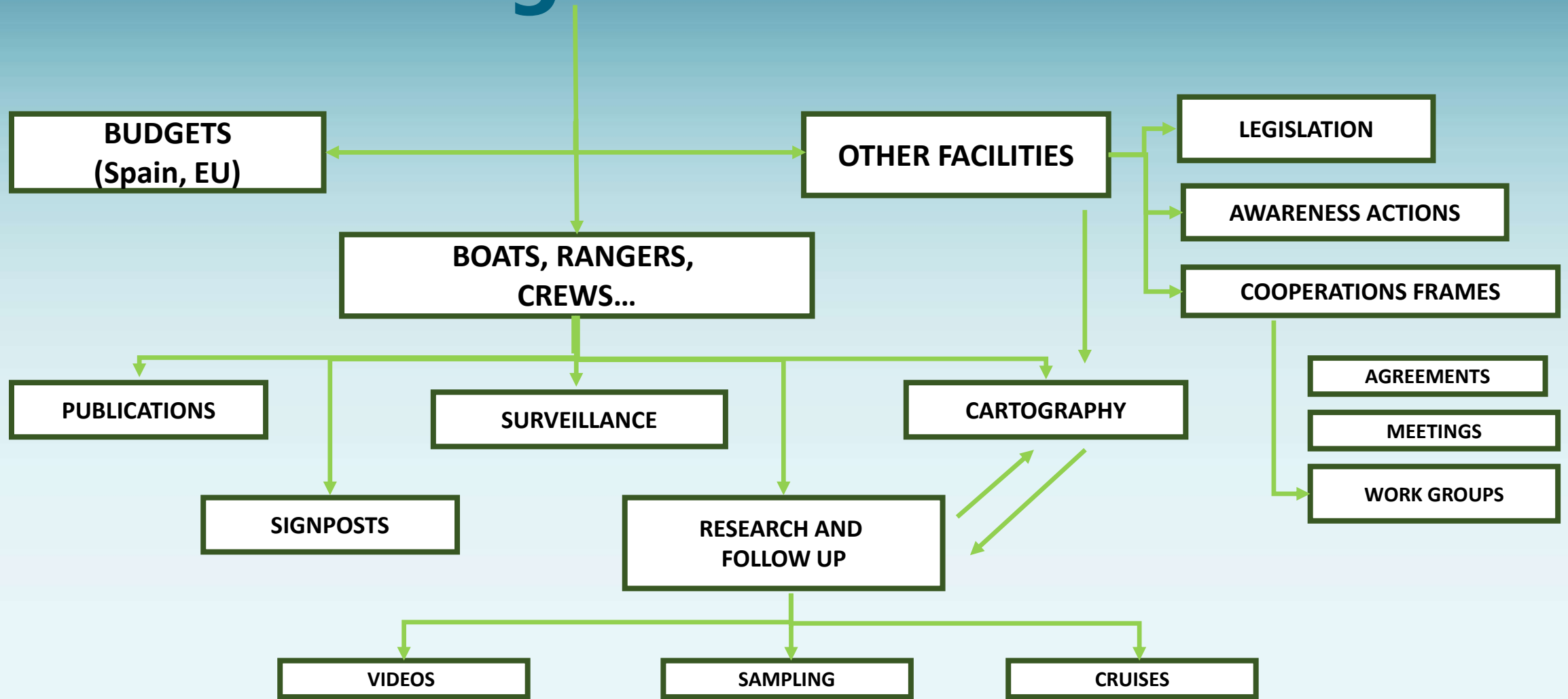
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MINISTERIO DE AGRICULTURA, PESCA Y ALIMENTACIÓN

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Management



Surveillance and Enforcement

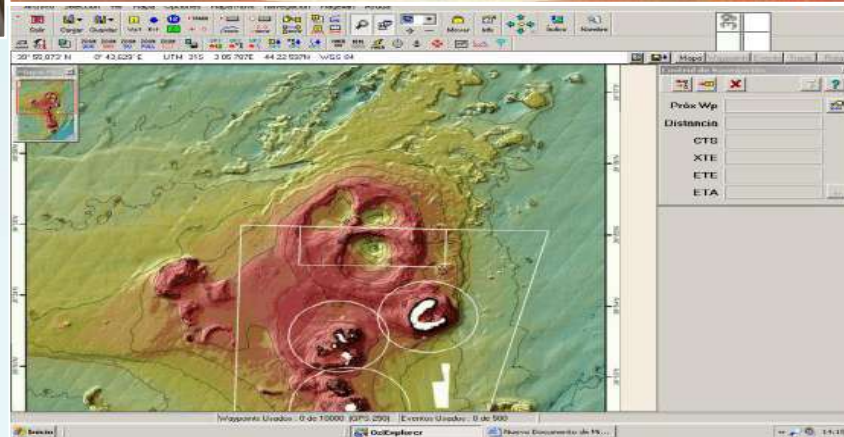


Human Team:
Rangers

Equipment



Remotely
Operated
Vehicle (ROV)

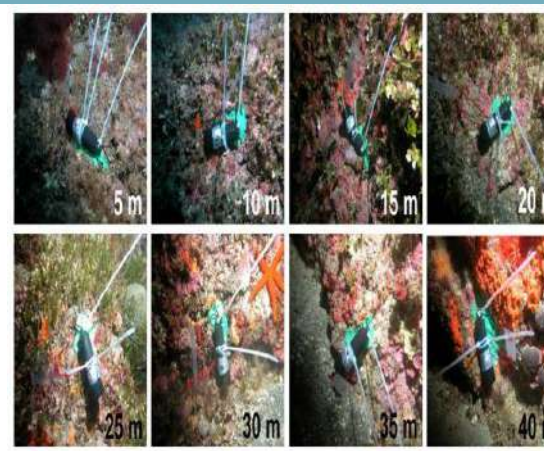
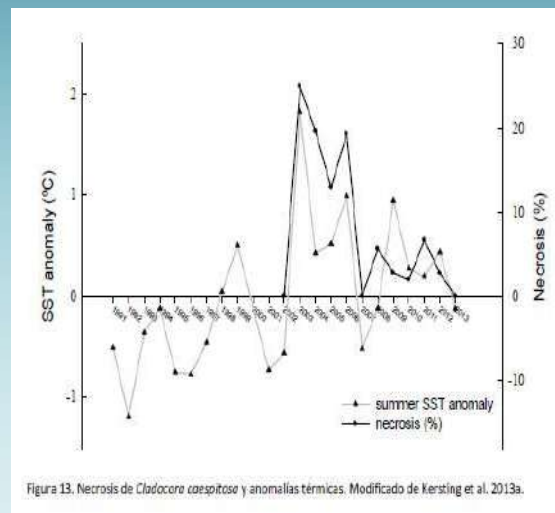
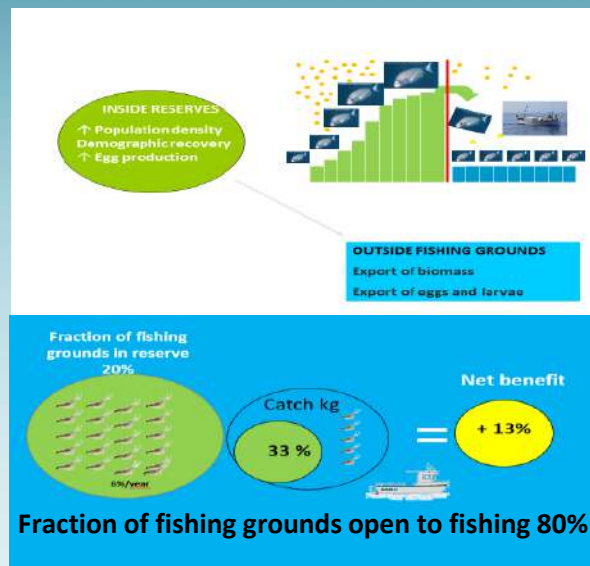


Cartography:

Habitat mapping from
multi-beam echosounder
Side Scan Sonar for
research vessels and
video/pictures
Signalling and beaconing



Benefits (I): Science



Kersting et al. 2013

Sentinels of Global Change

Goñi et al. 2016

Spillover Effect

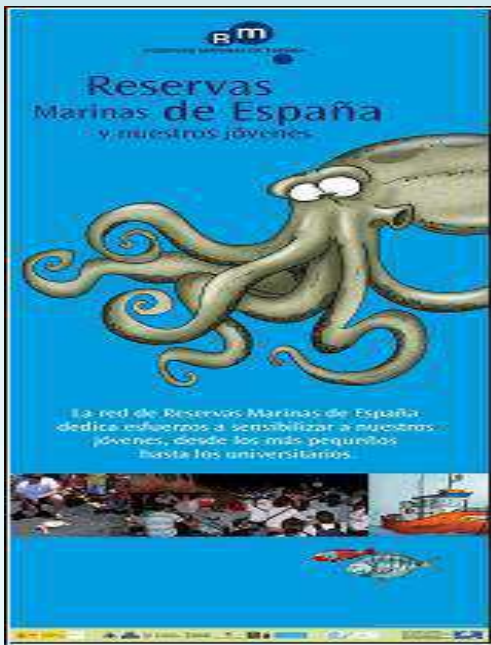


Other benefits:

- Labs for co management
- Getting to know SSC acquis, that can be lost
- Marine Spatial Planning – small scale
- Helping to know archaeological heritages

Areas of good environmental state

Benefits (II): Awareness



Education

Spreading

Abroad



2013. Ancona, Italy



2015. Tunis, Tunisia



2016. Tangier, Morocco



2016. Algiers, Algeria



Global change



Scientific monitoring and Governance



Marine litter



Scientific monitoring, Ciguatera and Global change



Duration: 2009 – 2013. More than US \$16 million dollars
Funded by the Kingdom of Spain and Implemented by FAO



Duration: 2016-2021



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Marine Protected Area: Environmental or Fisheries Origin. Differences

Protected Maritime Space		
	Fisheries origin	Environmental origin
1.a- European Legislation	Common Fisheries Policy.	Directives: Habitats and Birds.
1.b- National Legislation	Law 3/2001, Spanish Maritime Fisheries Issues. Law 33/2014 which modifies the previous.	Law 42/2007 Natural Heritage and Biodiversity
2.- Main Objective	Conservation of the fisheries resources	Conservation of species and habitats.
3.- Management Plans	Ministerial Orden, Resolution	Law (National Parks), Royal Decree-Law, Decree
4.- Nature	Sectoral, which applies to the rest of activities.	Regulation of horizontal measures, general regulation of activities
5.- Area	Marine	Marine, Maritime-terrestrial and Terrestrial

The differences between one and the other are administrative.

Marine Reserves and other MPAs are finally comparable from the practical point of view as long as they are provided with budgets (financing).

Facts

- The **11 Marine Reserves** cover a **surface of 103.468 ha** out of 12.881.002 ha from Red Natura 2000, being 10.507 ha “no-take” areas (integral reserves).
- Spain’s Network of Marine Reserves: **33 years** protecting our seas
- **Benefits far beyond the 5.000.000 €/year** from Spanish MAFF
- Marine reserves do **protect fisheries, biodiversity, livelihoods - SSF, healthy oceans** and do show us the way of **XXI century Governances: SDG14.**





MARINE RESERVES...

A guarantee for the future

For the benefit of all!



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Spain's Network of Marine Reserves

- English:
https://www.mapama.gob.es/es/pesca/publicaciones/spainsnetworkofmarinereserves-morethan30yearsprotectingourseas1_tcm30-77134.pdf
- Spanish:
http://www.mapama.gob.es/es/pesca/publicaciones/revistareservas-2016_tcm30-77135.pdf

