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DE ESPAÑA

MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



HOW CAN IEO CONTRIBUTE TO THE ESTABLISHMENT OF OECMS?

Dr. David Díaz

Vicedirector Científico – Instituto Español de Oceanografía – IEO-CSIC



INTEMARES



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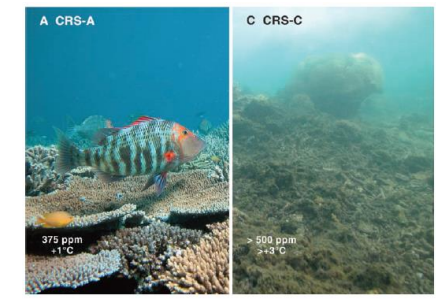
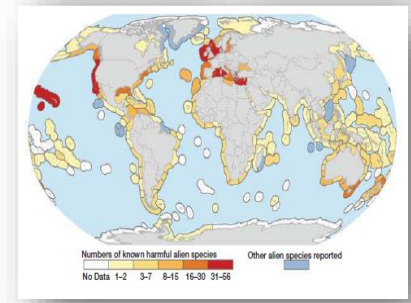
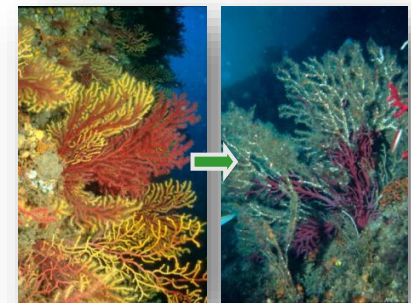
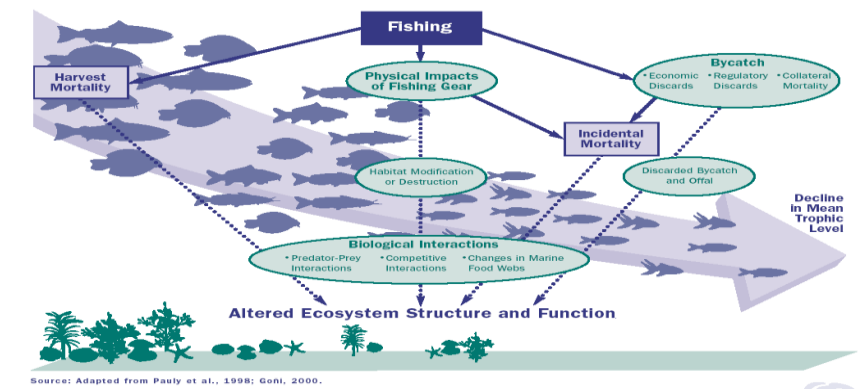
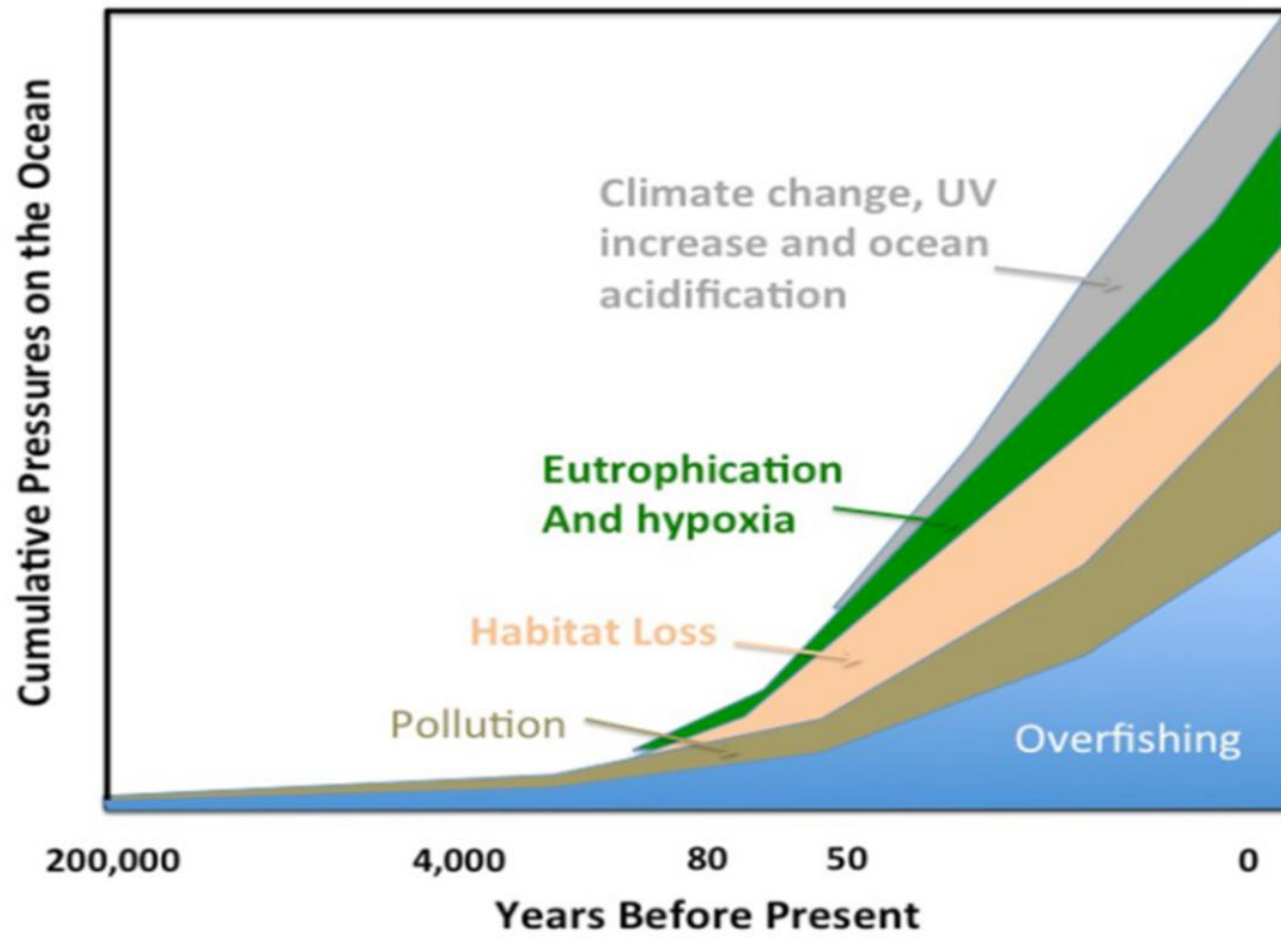
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INCREASE OF HUMAN ACTIVITIES IN MARINE ECOSYSTEMS

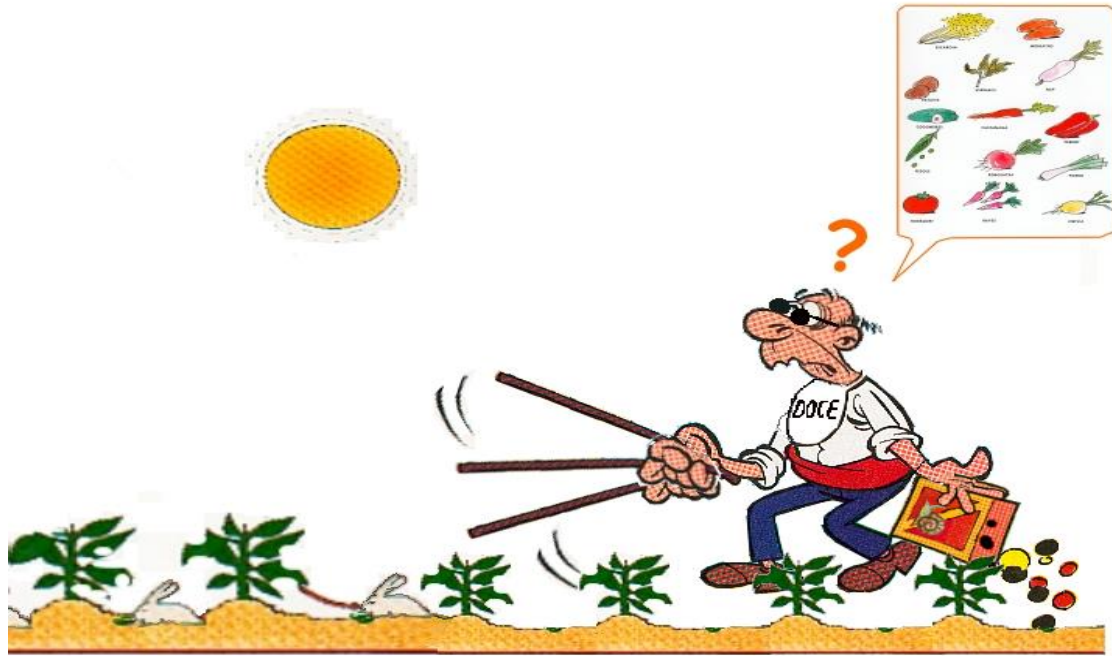


INCREASE OF HUMAN PRESSURES IN MARINE ECOSYSTEMS





BLIND MANAGEMENT IS NOT USEFUL



IMPROVE THE KNOWLEDGE OF:

- SPECIES DISTRIBUTION
- SEABED
- DYNAMIC OF SPECIES
- CHANGES OF LIFE CYCLES
- REPRODUCTIVE AGGREGATIONS
- IMPACT OF POLLUTION
- OCEAN VARIABLES

THE ANTHROPOCENE IS A CHANGING ERA THE BEST SOLUTION TO STOP THE CHANGES IS TO CARRY OUT LONG-TERM MONITORING

TOOLS TO SOLVE THE INTEGRITY OF THE MARINE ECOSYSTEMS



PROTECTION OF SPECIES
PROTECTION OF HABITATS
REGULATION OF PRESSURES IN A SPECIFIC AREA

A LOT OF NAMES FOR SAME POURPOSE

Natural Reserve

National Park

Marine Reserve

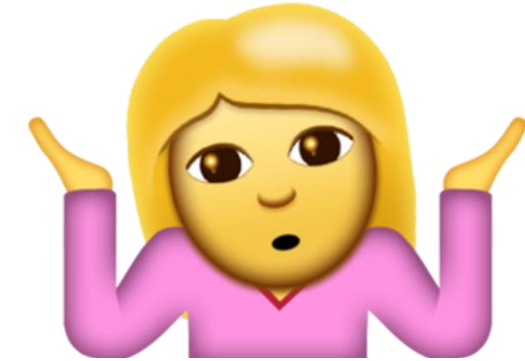
Regulated area

Special protection zone

Marine Protected Area

No take zone

Site of Community Importance (LIC)





30x30

Marine Reserve: Those areas that, due to their special characteristics, are considered suitable for the regeneration of fishing resources, contributing to the preservation of the natural wealth of certain areas, the conservation of different marine species or the recovery of ecosystems, will be declared marine reserves. The protection measures will determine the limitations or prohibition, where appropriate, of the exercise of fishing activity, as well as any other activity that may alter its natural balance.



30x30

Marine Protected Area: Have a *primary* conservation objective. Defined region designated and managed for the long-term conservation of marine resources, ecosystems services, or cultural heritage.



30x30

OECSM :Achieve the effective *in-situ* conservation of biodiversity, regardless of their primary management objectives.



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IS ANY RESTRICTED AREA AN OECD?

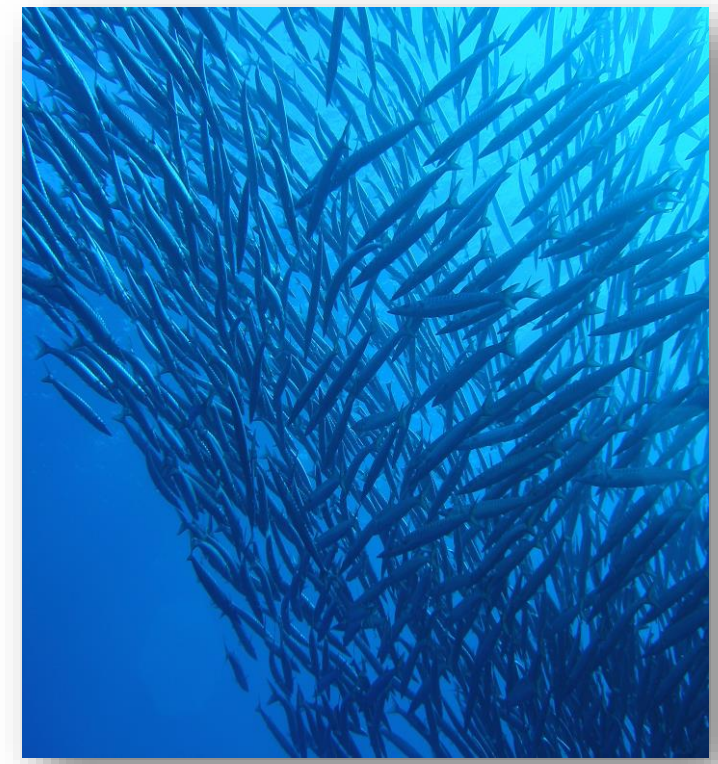
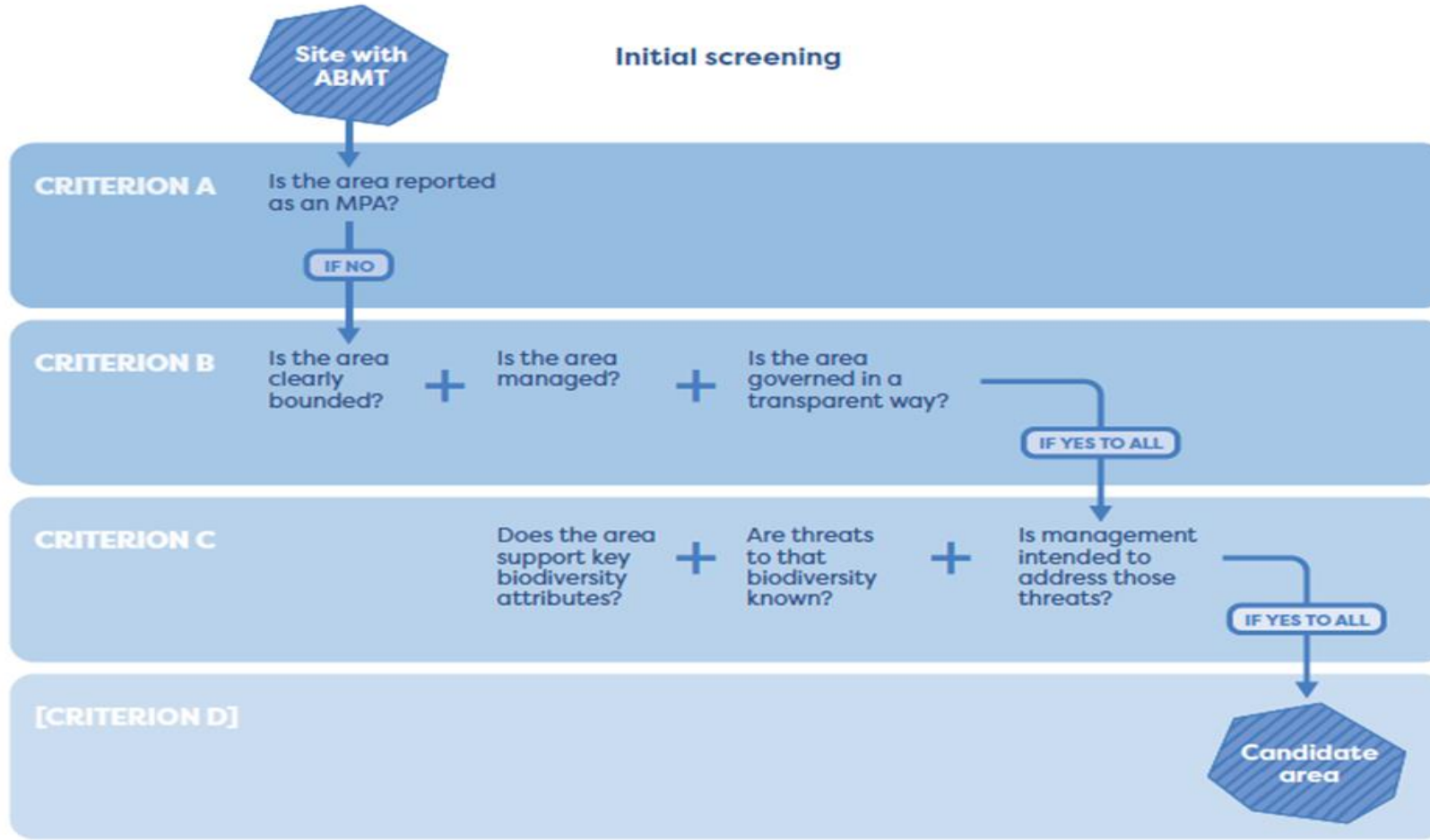


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STEPS TO SELECT AN AREA FOR TO BE DESIGNED A OECEM





STEPS TO FUNCTIONAL OECM

1. SELECTION THE AREA – APPLY CRITERIONS
2. OBJECTIVE – FIGURE (**OECM**)
3. KNOWLEDGE OF HABITATS/SPECIES – **ZERO POINT**
4. EVALUATION OF PRESSURES –**ZERO POINT**
5. PROPOSAL OF SPATIAL REGULATION
6. PROPOSAL OF REGULATIONS OF THE ACTIVIES (**TECHNICALS – METIERS**)
7. AGREEMENTS WITH STAKEHOLDERS
8. DECLARE THE OECM
9. STARTING PERMANENT MONITORING PROGRAM
10. EVALUATION OF CONSERVATION INDICATORS
11. ADAPTION OF RULES
12. ADVICE TO ADAPT THE ACTIVITY RULES AND SPATIAL REGULATION OF OECM

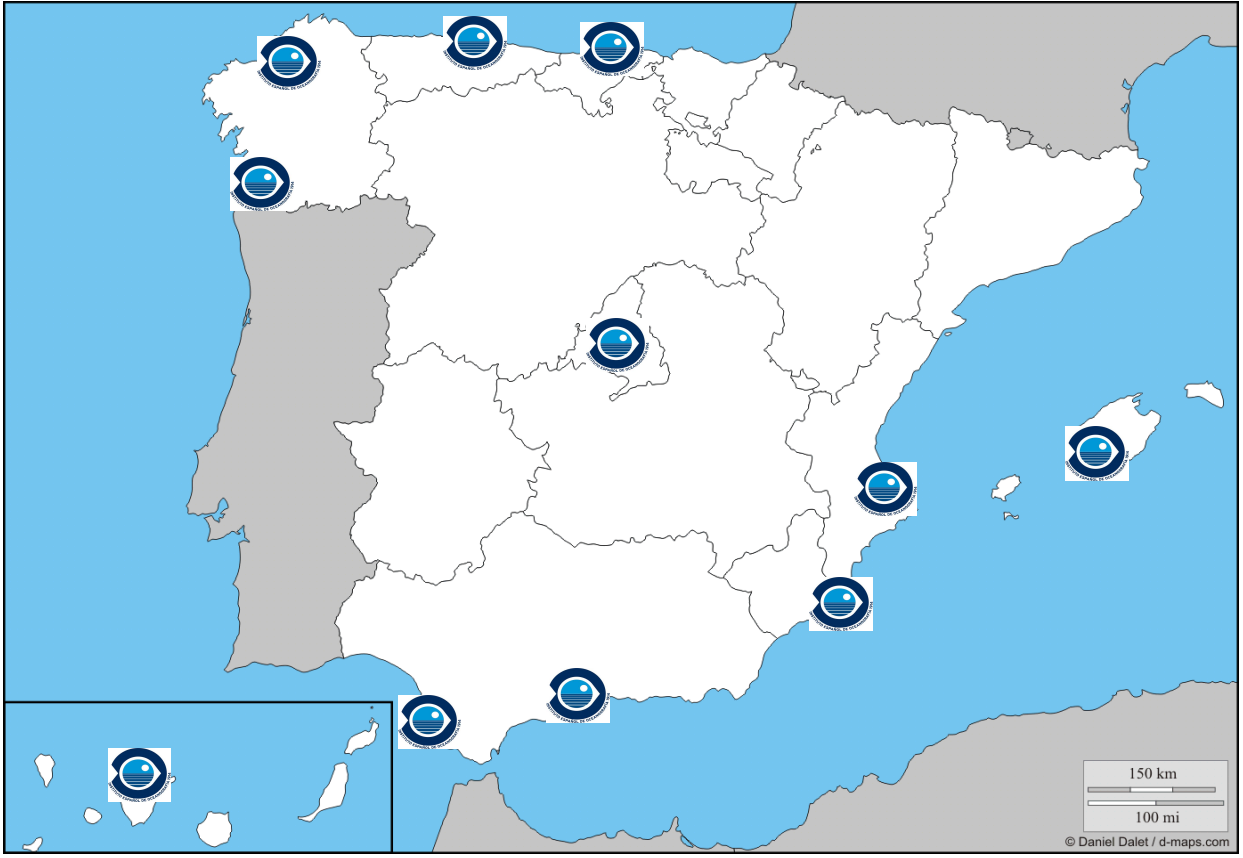
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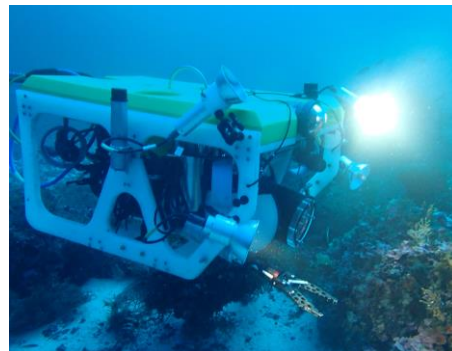




WIDESPREAD GEOGRAPHIC DISTRIBUTION & ECOSYSTEMS



LARGE NUMBER OF MARINE RESEARCH TOPICS





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CAPACITY TO COORDINATE FIELD SURVEYS WITHIN SPANISH RESEARCH FLEET



Hespérides (82 m)



Odón de Buen (85 m)



Sarmiento de Gamboa (70 m)



Miguel Oliver (70 m)



Ángeles Alvariño (47 m)



Ramón Margalef (47 m)



Vizconde de Eza (53 m)



Francisco de Paula Navarro (30 m)



Emma Bardán (29 m)



Mytilus (24 m)



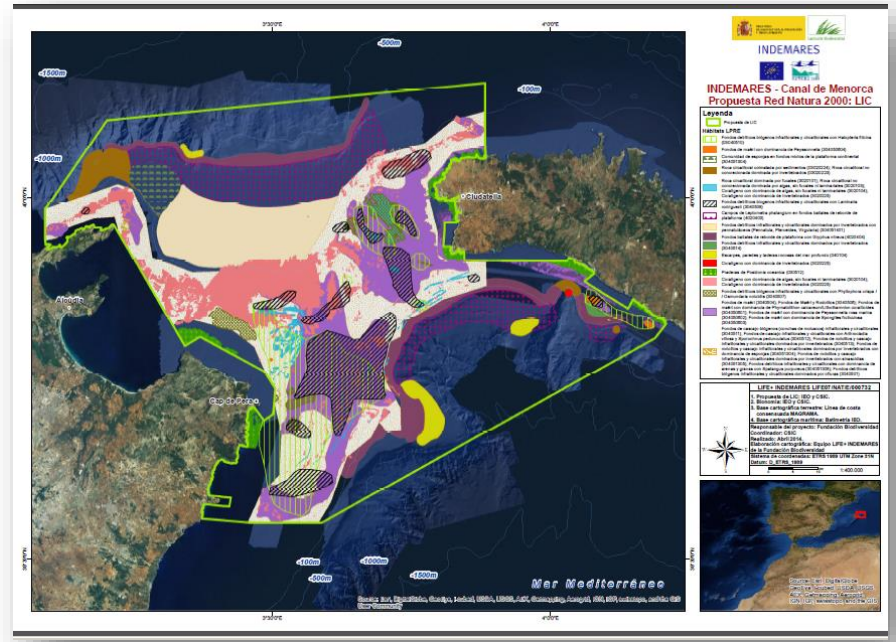
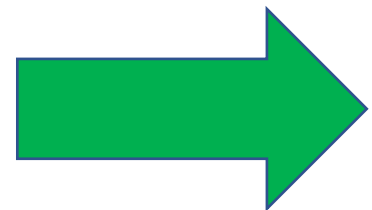
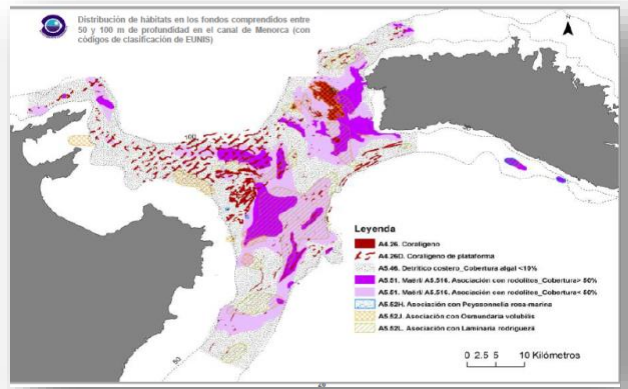
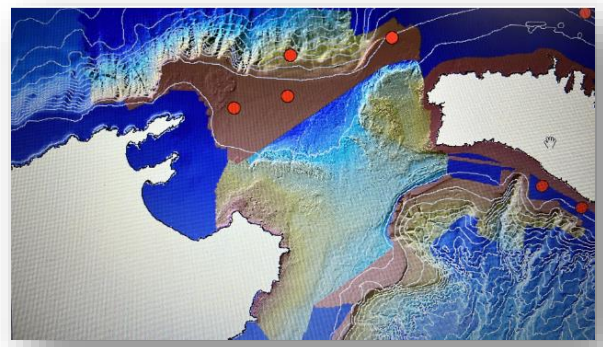
Lura (14 m)



ROV

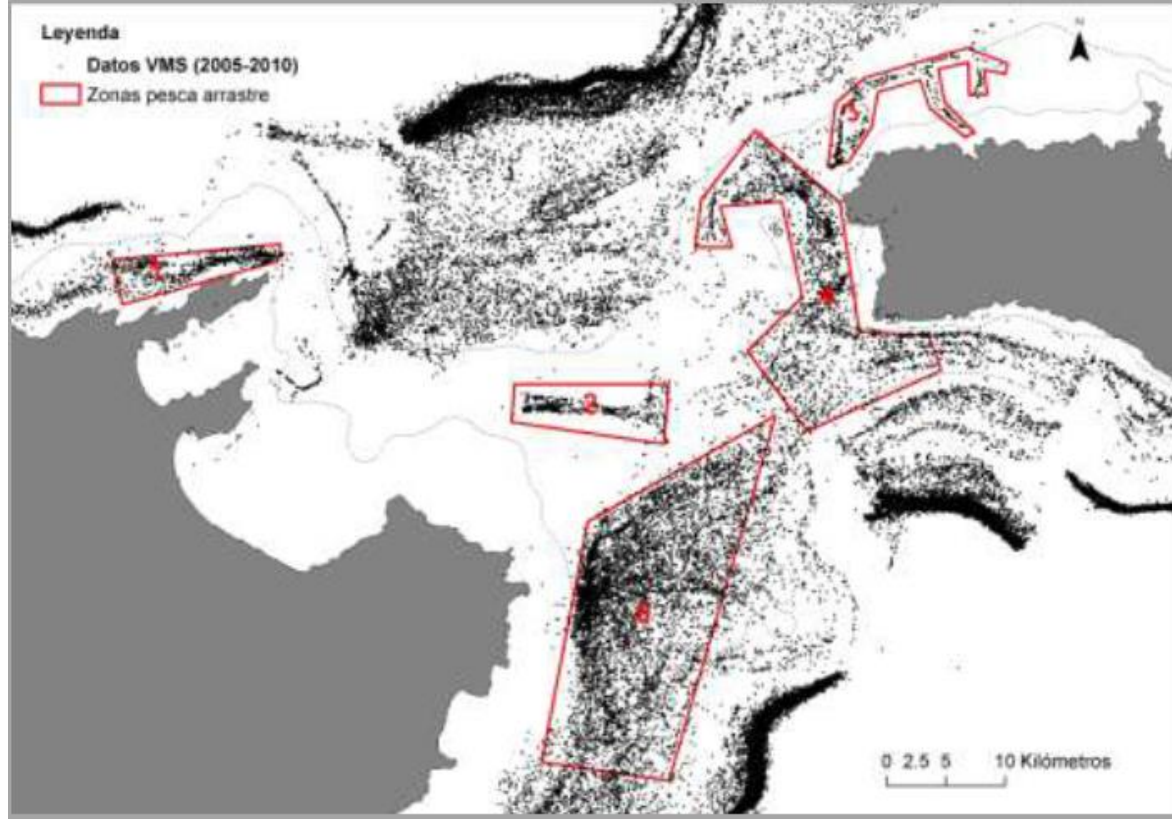
HOW CAN IEO CONTRIBUTE TO THE ESTABLISHMENT OF OECMS?

3. KNOWLEDGE OF HABITATS/SPECIES – ZERO POINT



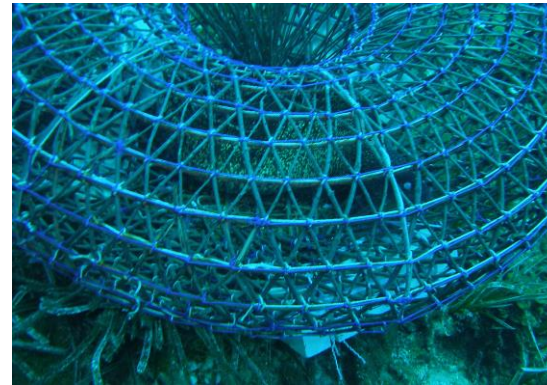
HOW CAN IEO CONTRIBUTE TO THE ESTABLISHMENT OF OECMS?

4. EVALUATION OF PRESSURES –ZERO POINT



HOW CAN IEO CONTRIBUTE TO THE ESTABLISHMENT OF OECMS?

6. PROPOSAL OF REGULATIONS OF THE ACTIVITIES (TECHNICALS – METIERS)



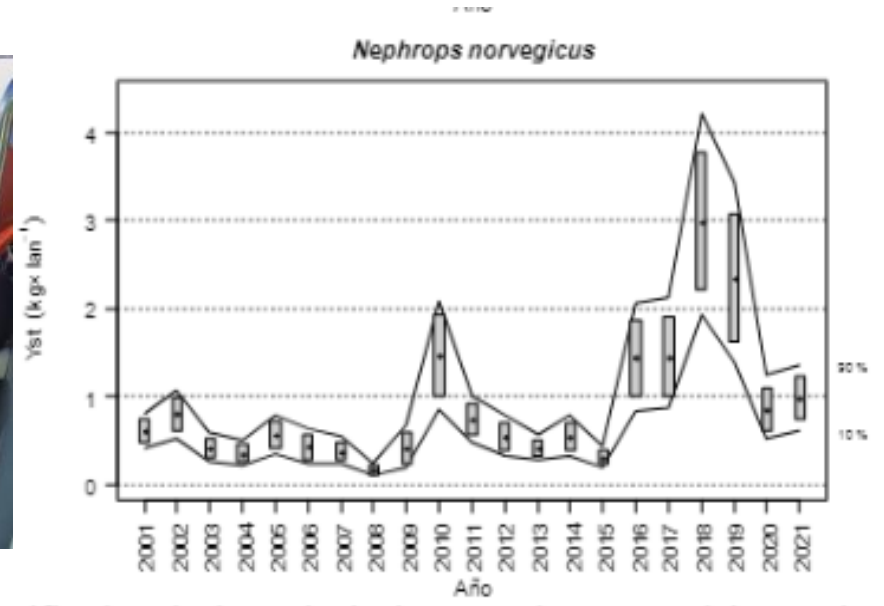
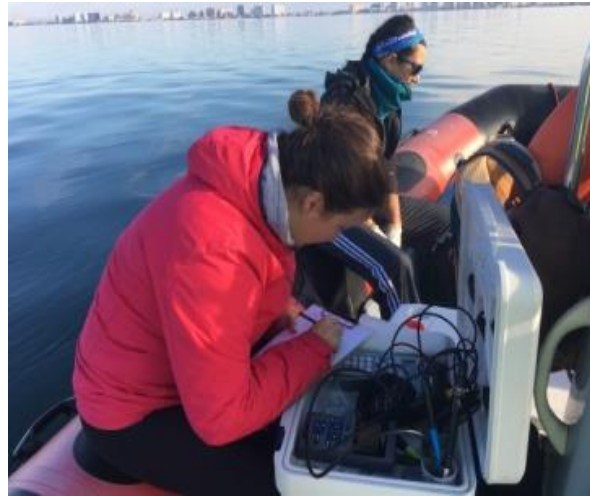


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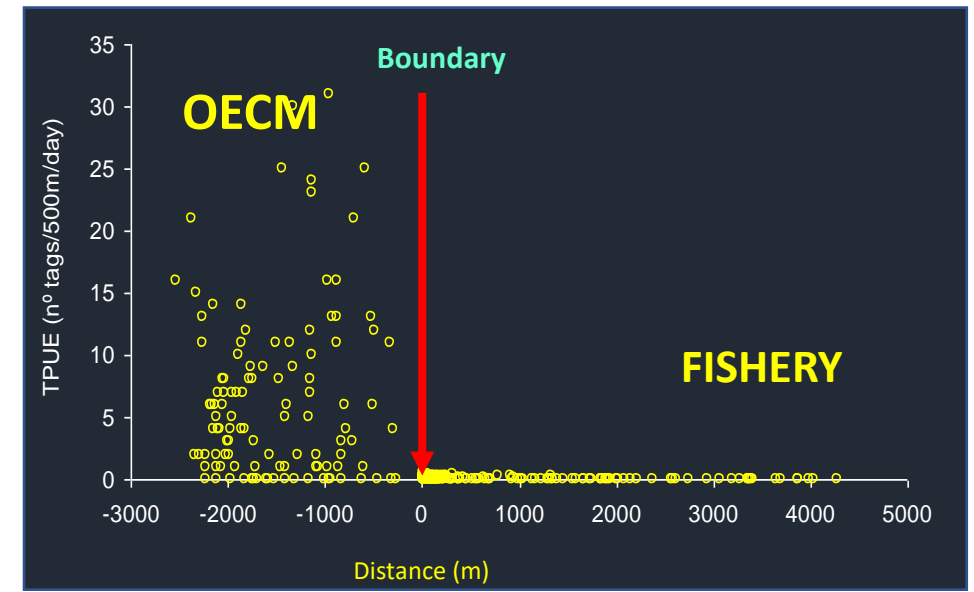
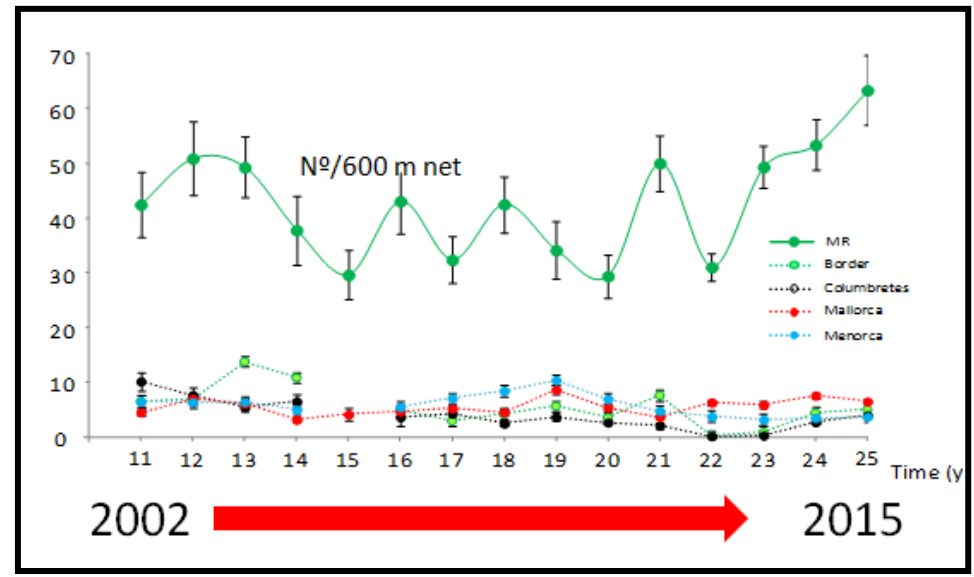
9. STARTING PERMANENT MONITORING PROGRAM



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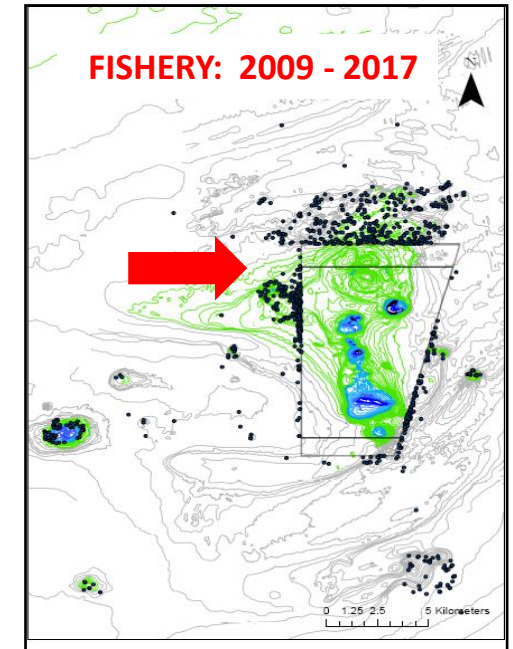
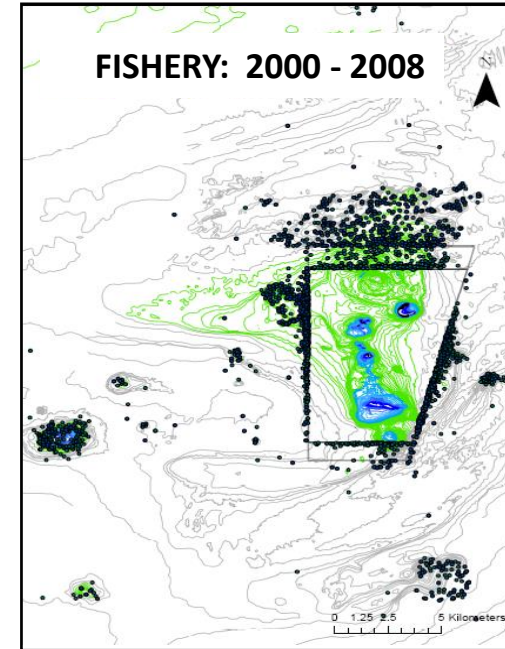
10. EVALUATION OF CONSERVATION INDICATORS

COMPARISON OTHER AREAS



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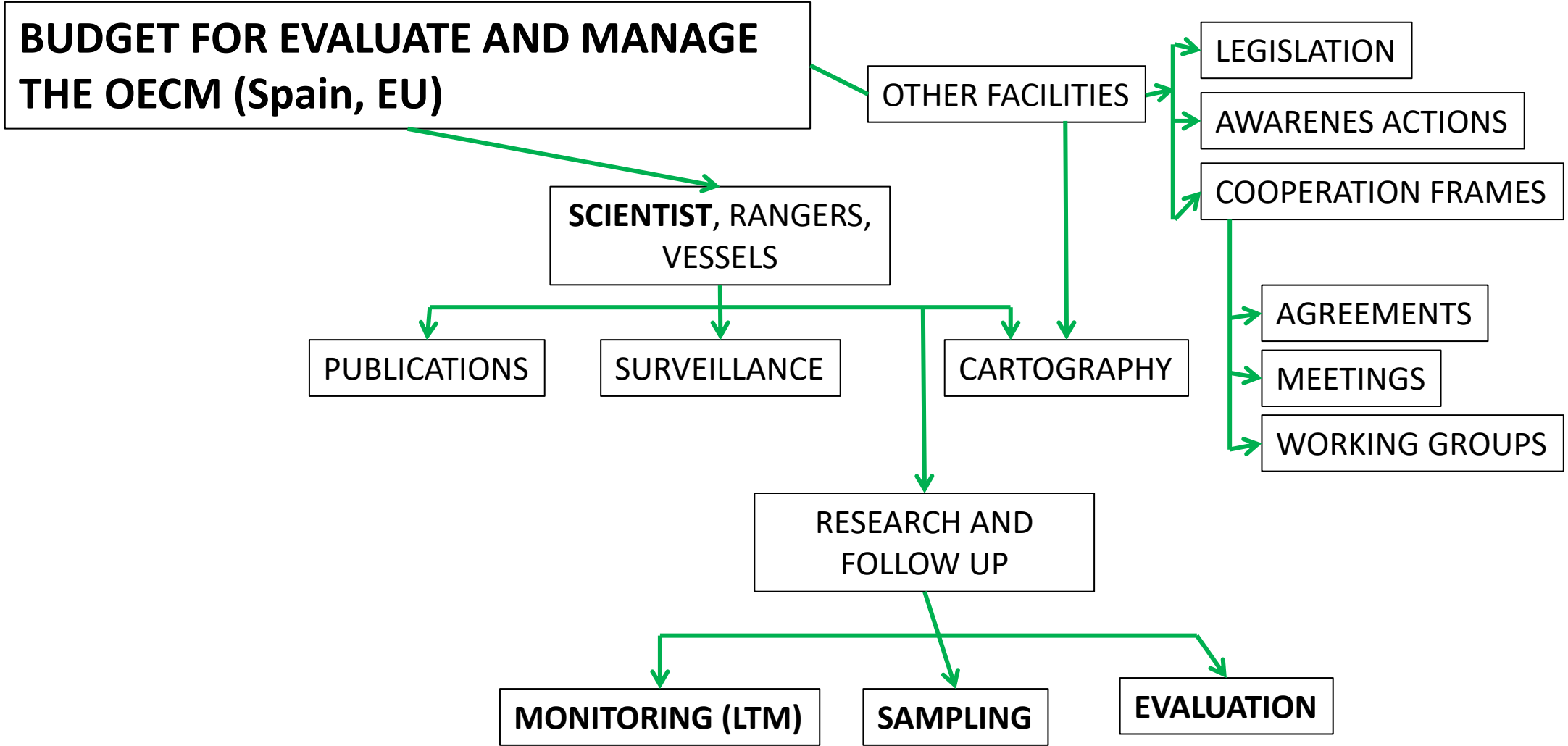
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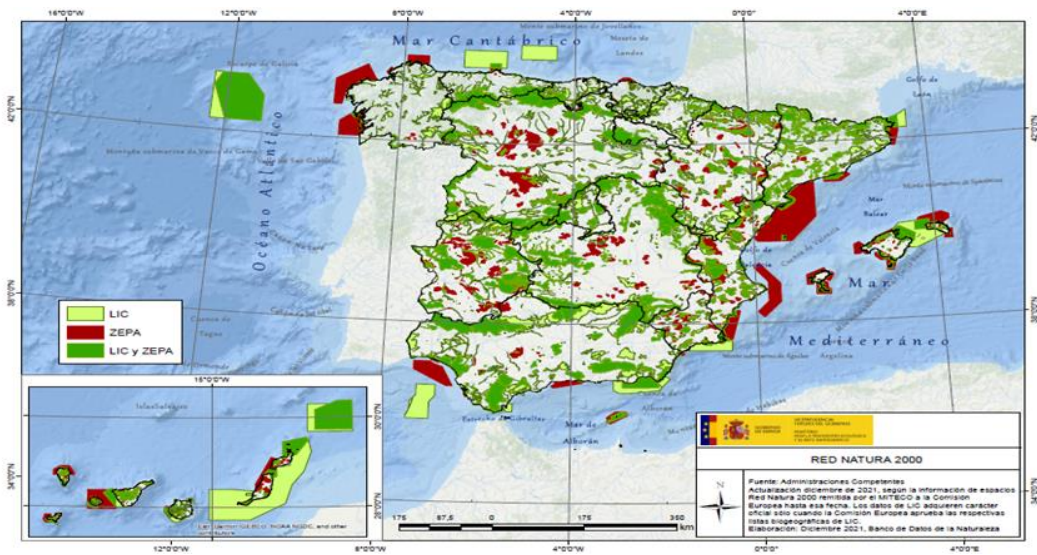


Moving the line

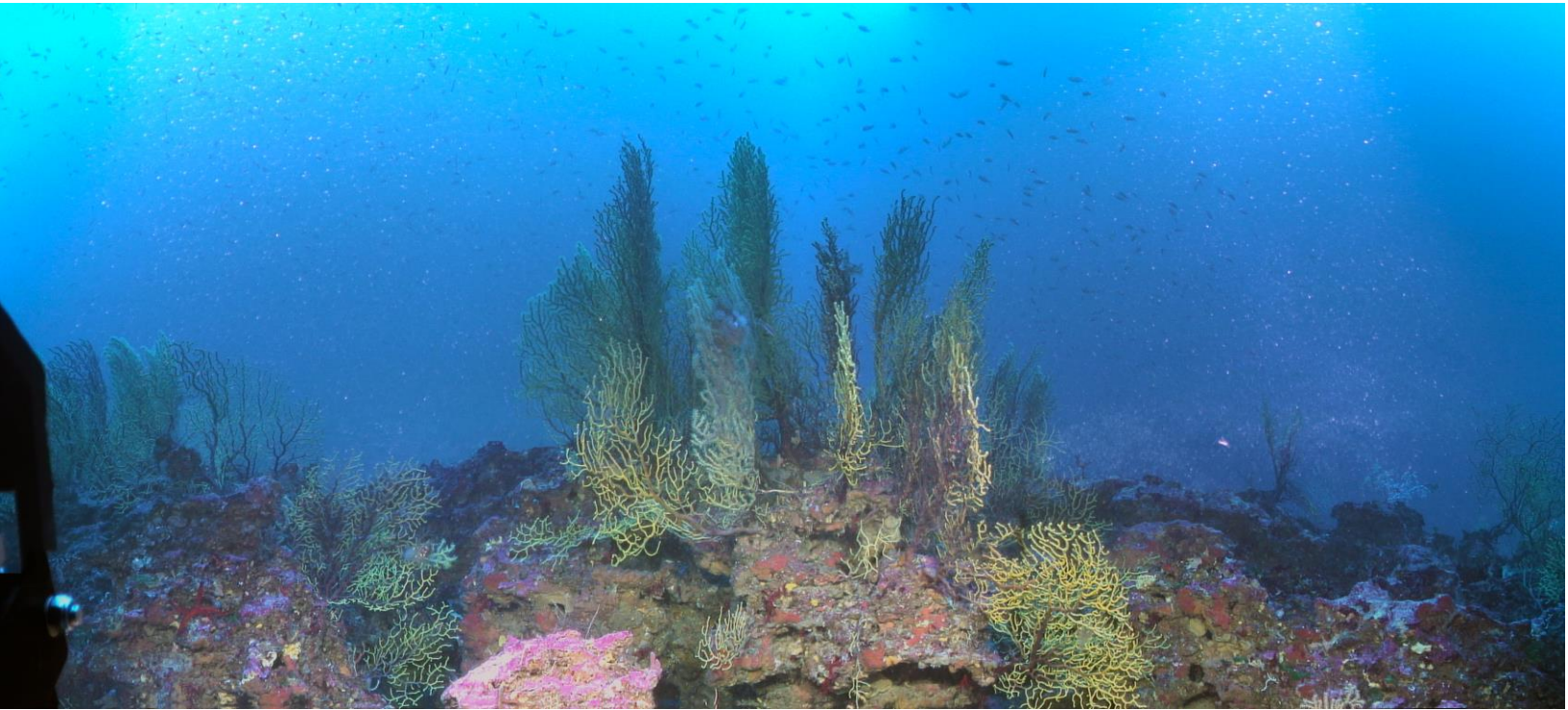
Changes in spatial distribution of fishery
 Reduction of fleet

TAKING INTO ACCOUNT





**OECM SHOULD
 CONTRIBUTE TO
 REACHING THE 30X30 IN
 A FUTURE!**



Thank you

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