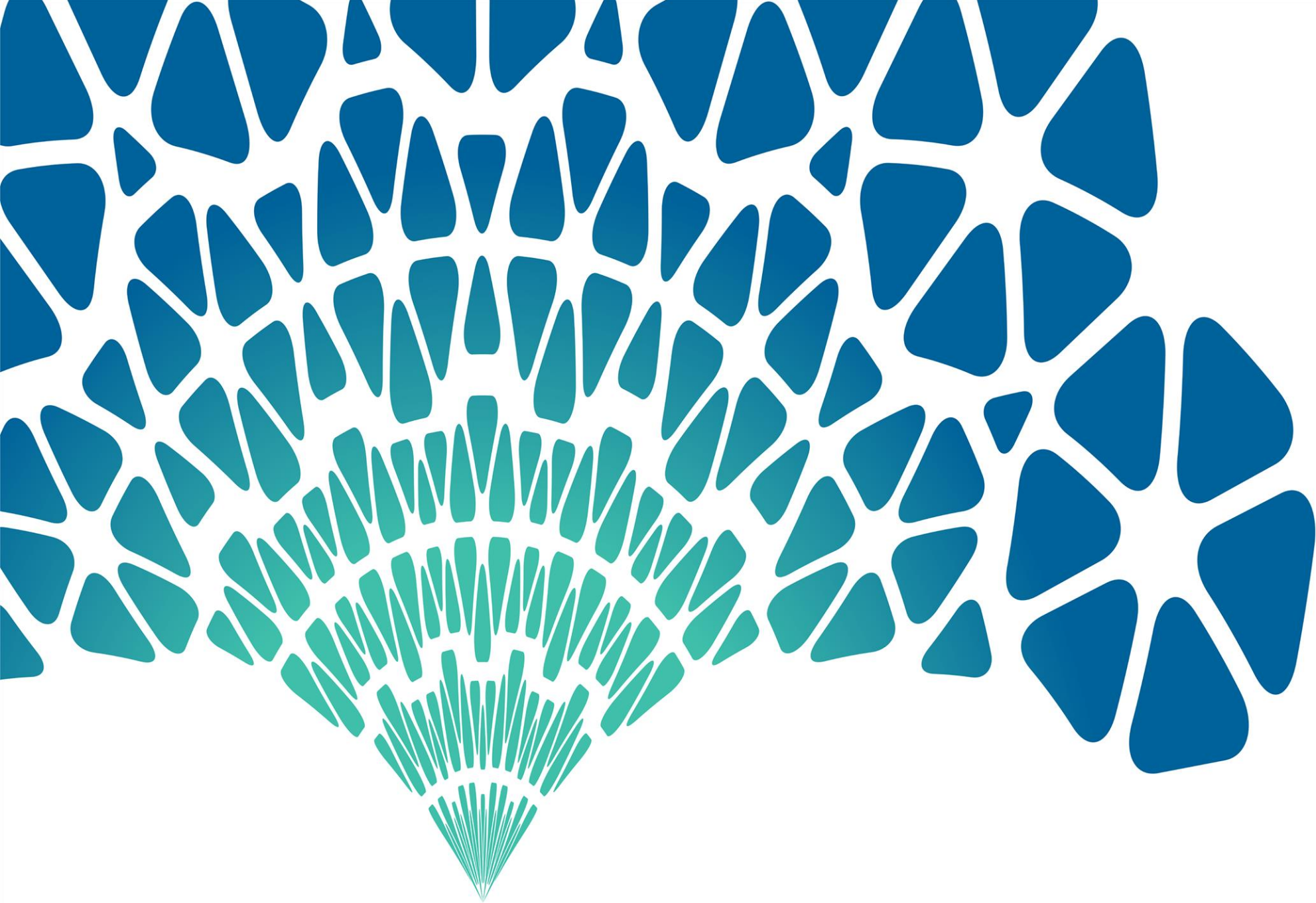


marine
spatial
planning
global



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Regional Training on Marine Spatial Planning for Latin America and the Caribbean

Panama City, 18 and 19 February 2025
Languages: English and Spanish

With the support of:



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Welcome

- **Claudette Spiteri**, IW:LEARN, UNESCO-IOC
- **Lorna Inniss**, PROCARIBE+, UNESCO-IOC/IOCARIBE
- **TBC**, MiAmbiente, Panama



1. Introduction to MSP

Joseph Kofi Ansong, IOC-UNESCO

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Human impacts the Ocean

Led by:



Just because you can't see it, it
doesn't mean it isn't there



And the Ocean also impacts us

Led by:



The Ocean is **not** homogeneous

Led by:



**Some areas are
more important
than others in relation
to specific aspects**



Some areas are more ecologically important than others

Led by:



- Areas of High Biodiversity
- Areas of High Endemism
- Areas of High Productivity
- Spawning Areas
- Nursery Areas
- Migration Corridors and Stopover Points

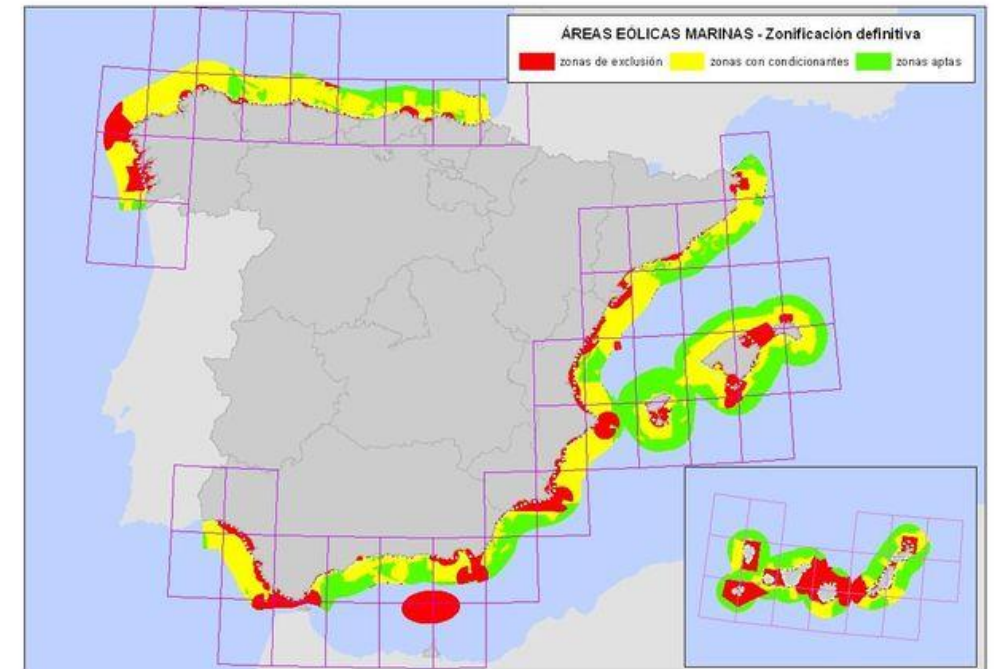
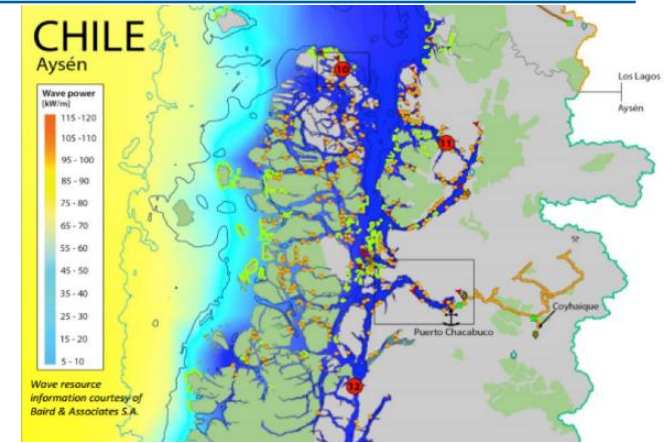


Some areas are more economically important than others

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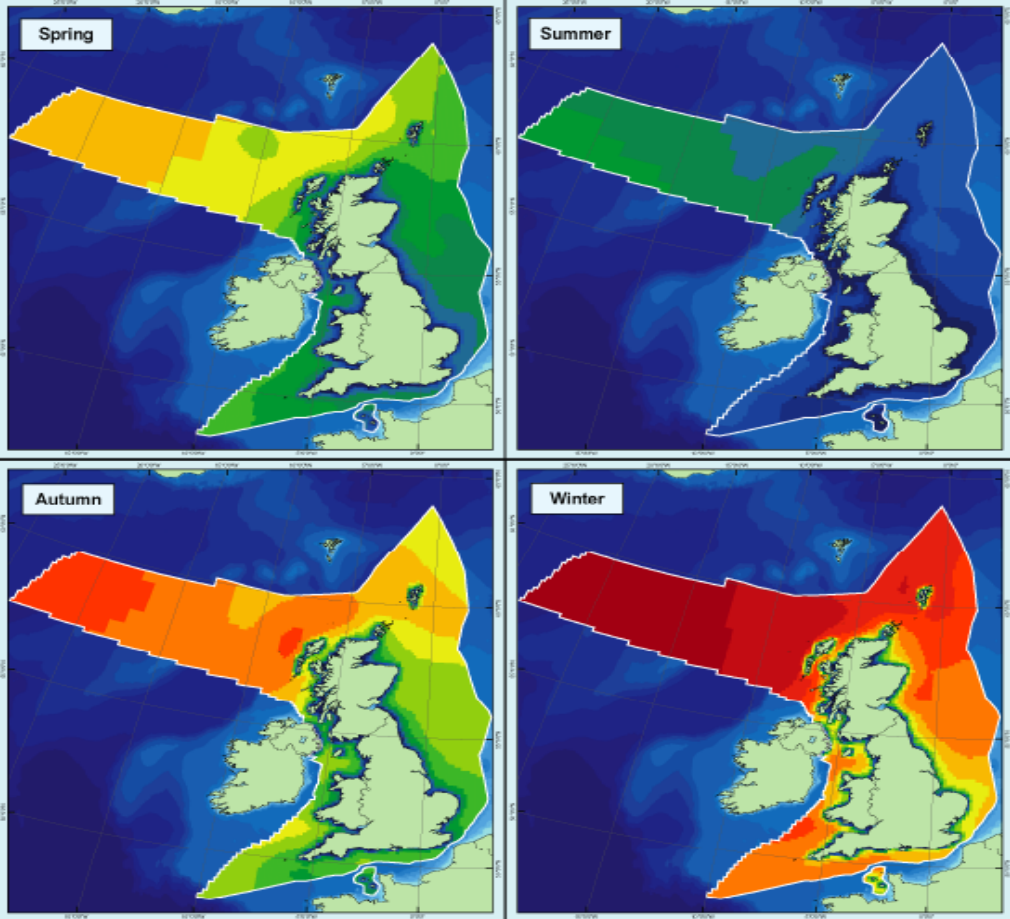
- Oil & Gas Deposits
- Sand & Gravel Deposits
- Fishing Grounds
- Transportation Routes
- Areas of Sustained Winds
- Areas of Sustained Waves



(Universidad de Aysen, 2012; Gobierno de España, 2014)

Effective governance must address spatial and temporal heterogeneity

Led by:



Seasonal Mean Wind Speed at 100m

0 100 200 400 600 Kilometres

Projection Transverse Mercator
WGS 1984 UTM Zone 31 N

Scale 1:12,800,000
when printed A3

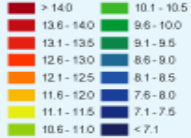
Map Designed and Produced by ABPmer

BERR Department for Business
Enterprise & Regulatory Reform

Atlas of UK Marine Renewable Energy Resources

- Notes:
1. North of 63°N and West of 12°W, model cell size approximately 60km. Model cell size approximately 12km in all other areas.
 2. Modelled wind data will be less robust at land-sea boundary points.
 3. Wind data are based on hourly model forecast values over 7 years.
 4. Wind speed at 100 metres above sea level.
 5. March 2008, Version 2.0.
 6. © Crown copyright. All rights reserved.

Wind Speed (m/s)



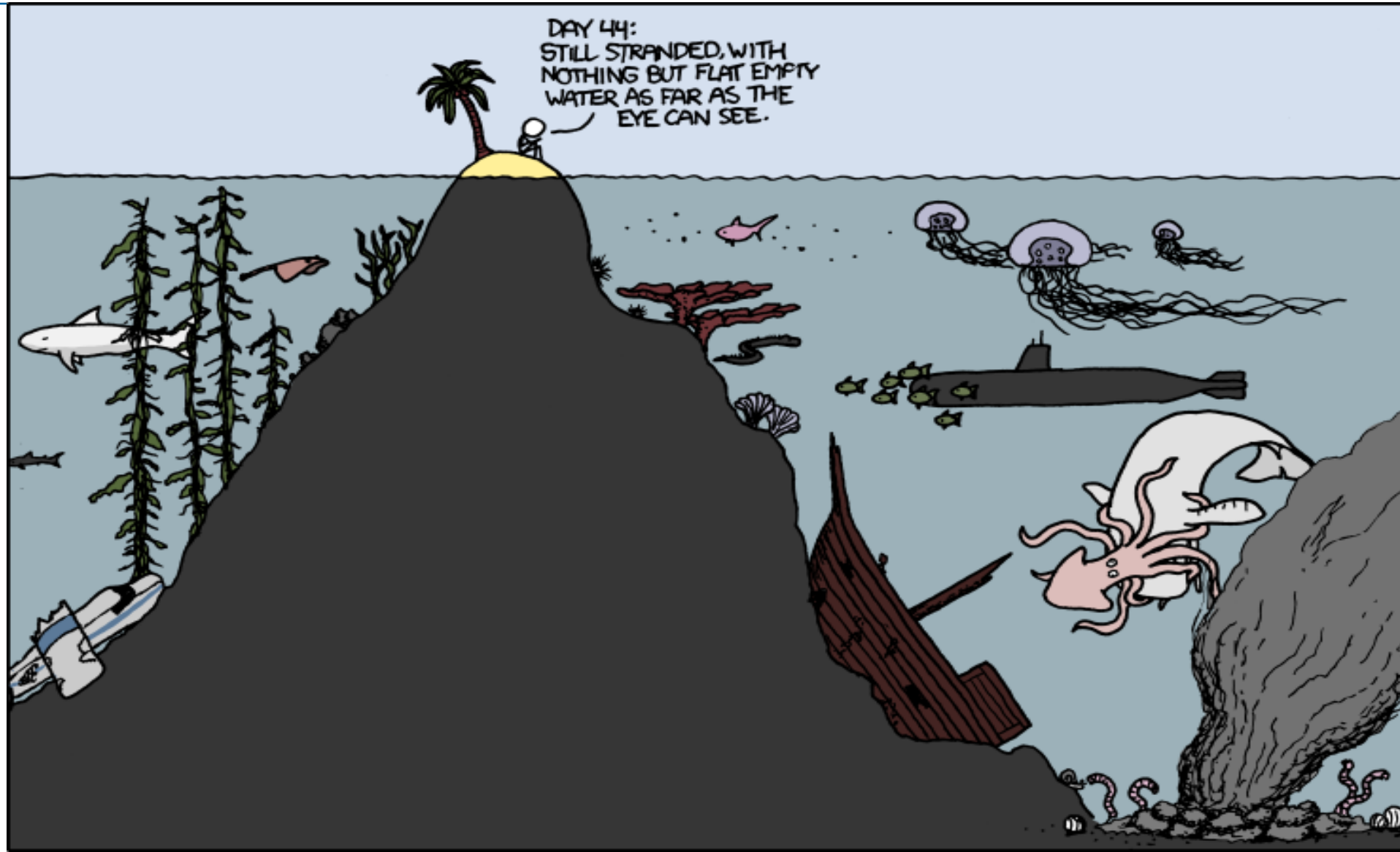
1 km

UK Continental Shelf & Channel Islands

Territorial Sea Limits

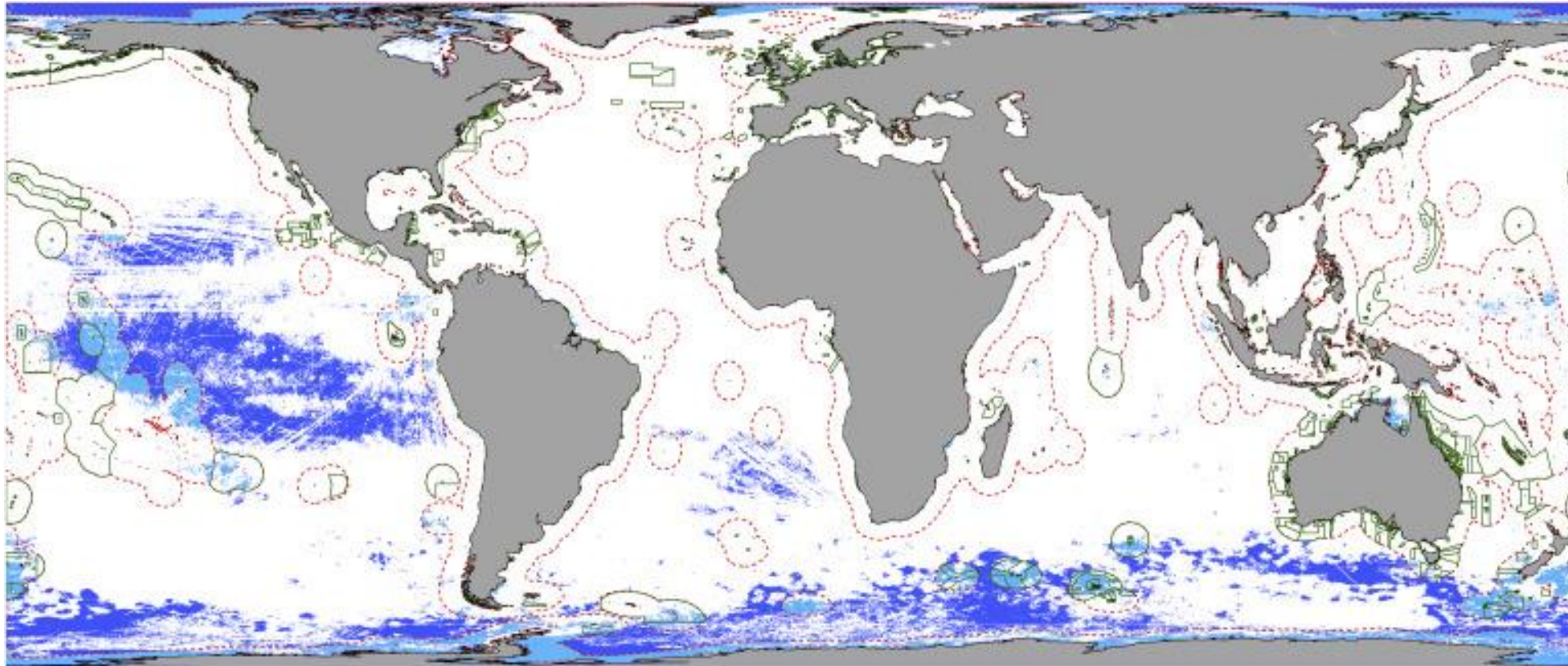
Society is not always aware

Led by:



Just 13% of the world's oceans are untouched by human activity...

Led by:



Wilderness inside EEZ Wilderness outside EEZ Exclusive Economic Zone 2017 MPAs

... and many marine places are under increasing development pressures...

Due to traditional uses

Led by:



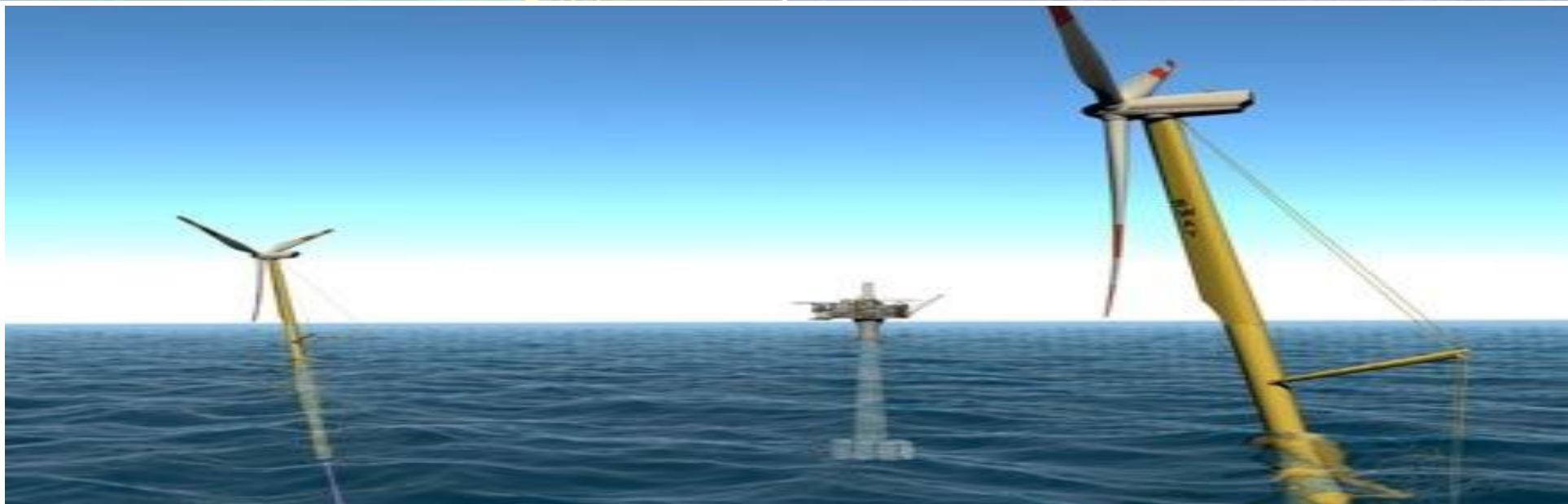
Due to recreational activities

Led by:



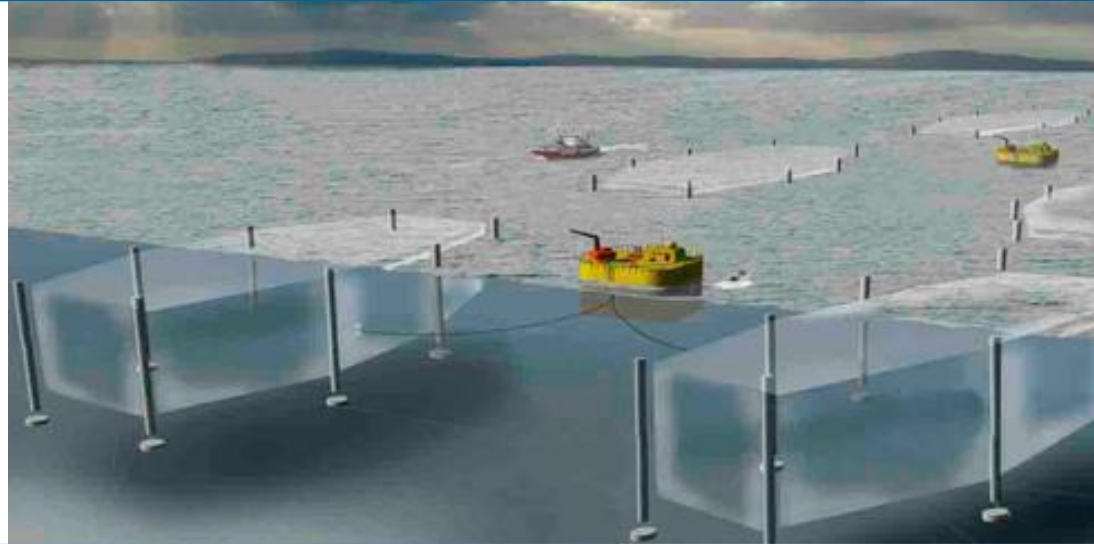
Due to the technological progress

Led by:



Due to new demands

Led by:



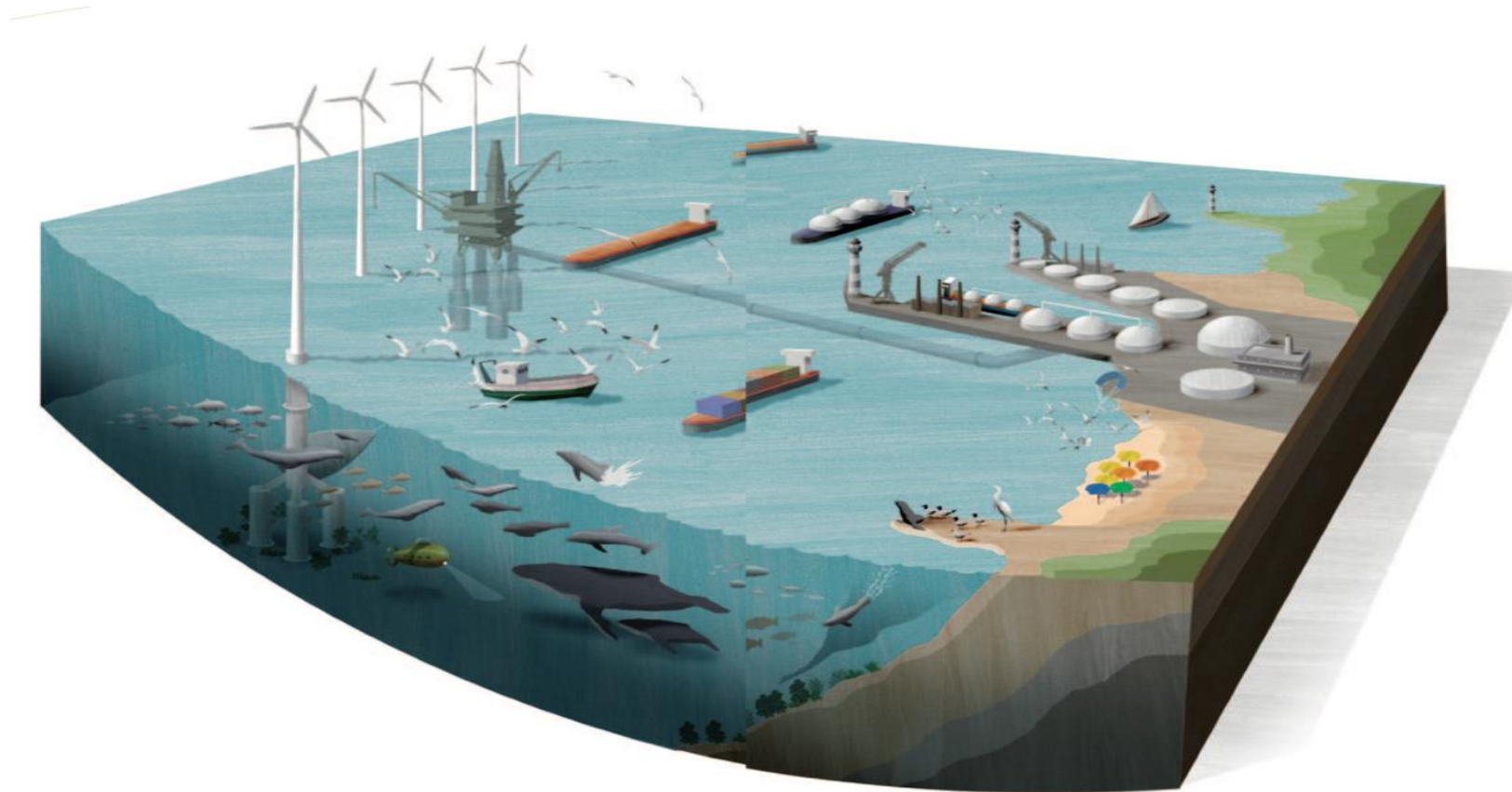
Due to the uncontrolled urban sprawl

Led by:



Marine Spatial Planning, the challenge!

Led by:



Changing the views on historical marine management

Led by:



- Focused on **individual sectors**
- **Separate regimes** for fisheries, aquaculture, marine mammal conservation, shipping, oil and gas, and mining, for example
- Decision-making has often been *ad hoc*
- **Lack of clear authority to resolve conflicts** across sectors or to deal with cumulative effects
- Incremental improvements in sectoral governance can reduce some problems (e.g., overfishing of target species), but they generally **cannot address it in an integrated way**



What is MSP?

What is MSP?

Led by:



IOC-UNESCO definition:

*“The **public process** of analyzing and allocating the spatial and temporal **distribution of human activities** to achieve **ecological, economic, and social objectives** that are usually specified through a **political process**.”*

MSP is a multisectoral and participatory process.

The **MSP plan** is the instrument.

MSP characteristics

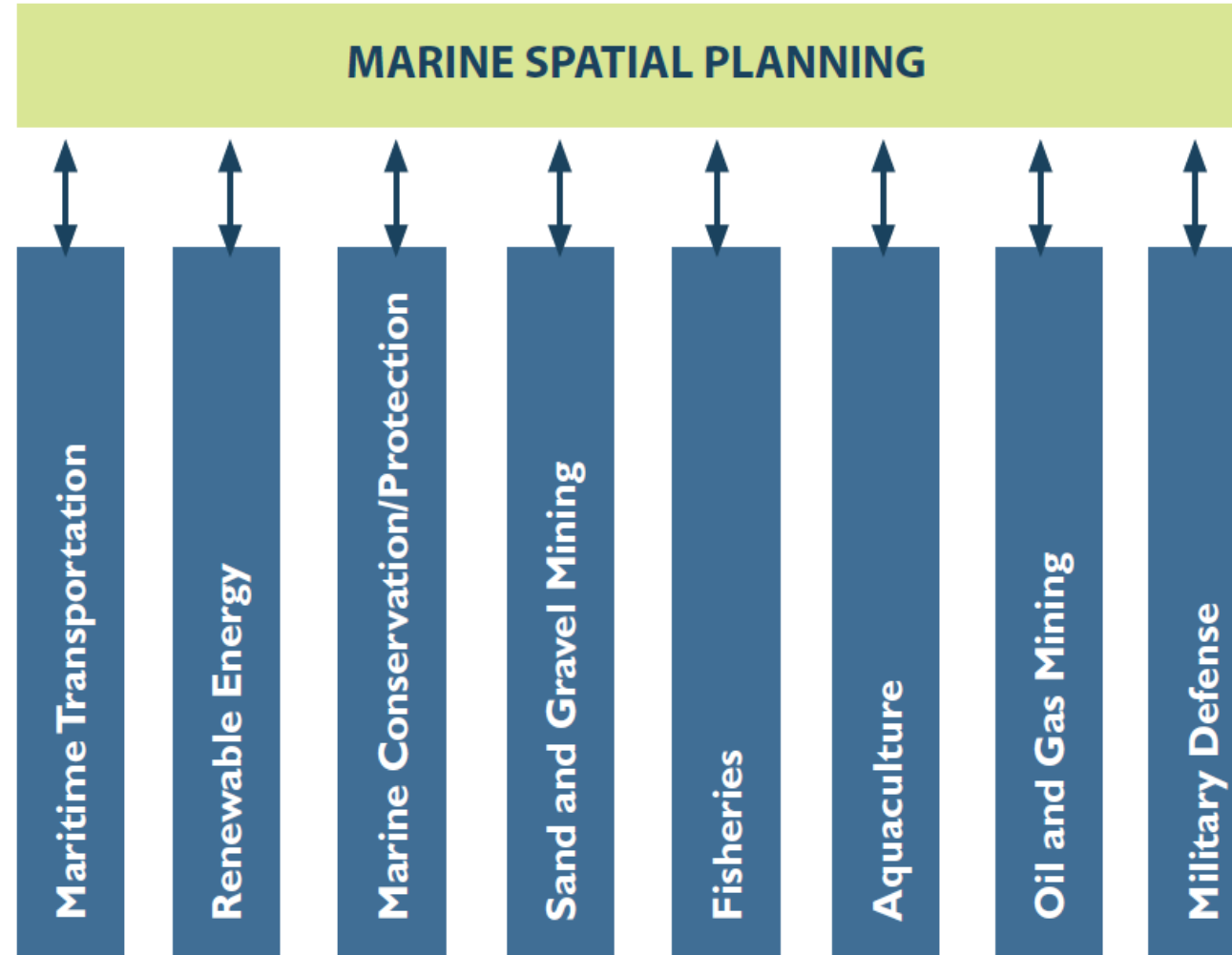
Led by:



- **Integrated and multi-objective**, including all important economic sectors; economic and social objectives as well as ecological ones
- **Strategic and future-oriented**, considering alternative means to achieve a vision
- **Continuing and adaptive**, with an emphasis on performance monitoring and evaluation--and learning by doing
- **Participatory**, building a broad base of stakeholders to ensure long-term support for management
- **Ecosystem-based**, with a focus on maintaining ecosystem services over time
- **Place-based**, with a focus on marine spaces that people can understand, relate to, and care for

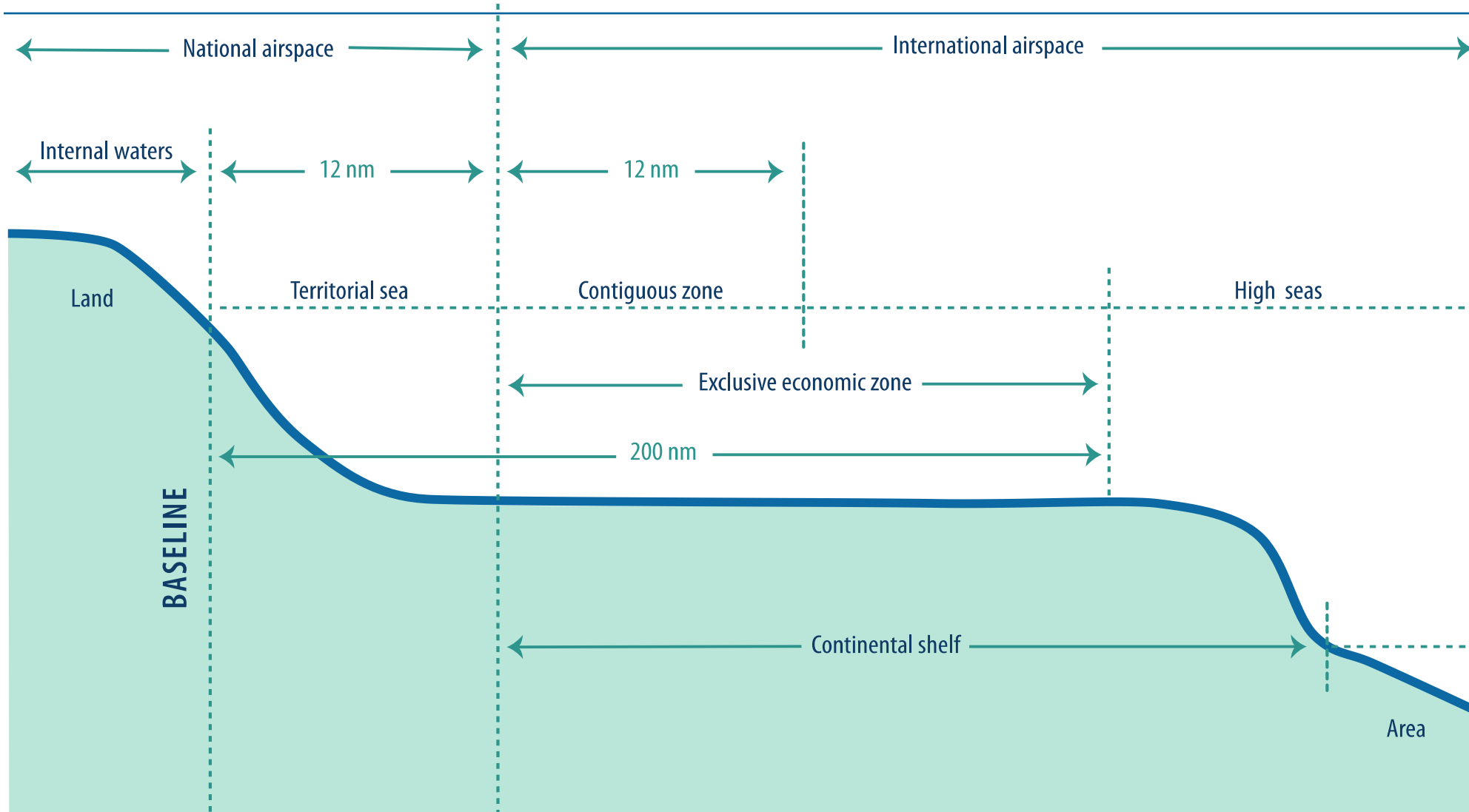
Integration for **multisectoral consensus**

Led by:



Maritime jurisdiction and delimitation

Led by:

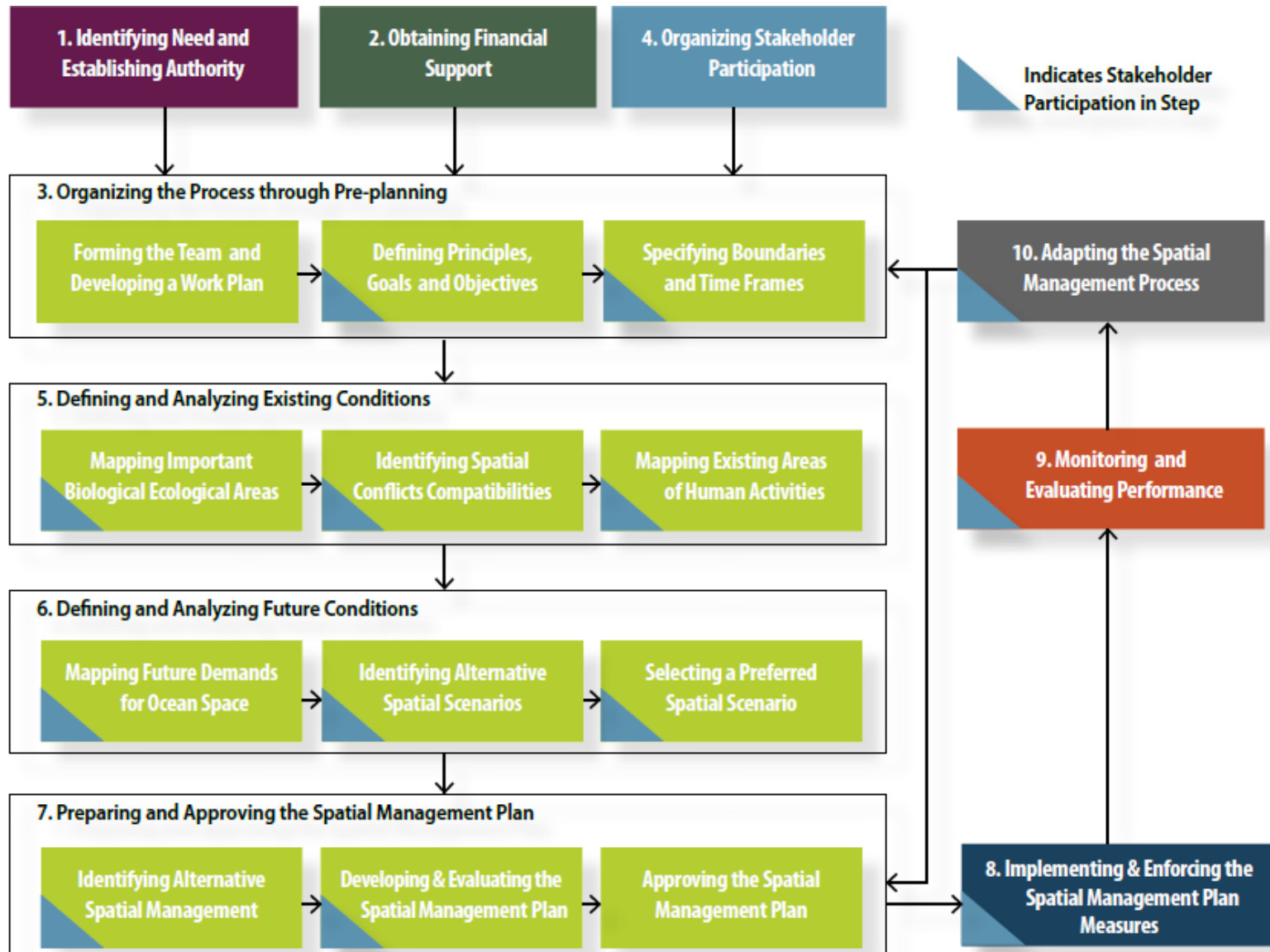


MSP usually covers the Territorial Sea and EEZ

nm = nautical mile

Source: : UNESCO-IOC/European Commission, 2021

MSP step by step



Led by:



ma
sp
plan
gle



MARINE SPATIAL PLANNING

A Step-by-Step Approach
toward Ecosystem-based Management

Intergovernmental Oceanographic Commission
and the Man and the Biosphere Programme



MSP phases (simplified)

Led by:



IOC-UNESCO's MSP phases



SETTING THE SCENE



DESIGNING THE
PLANNING PROCESS



ASSESSMENT
FOR PLANNING



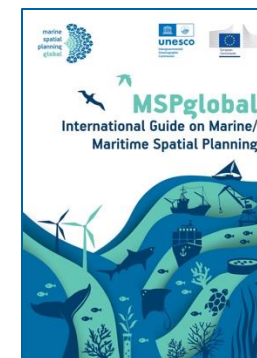
DEVELOPING THE
PLAN



ENABLING
IMPLEMENTATION
OF THE PLAN



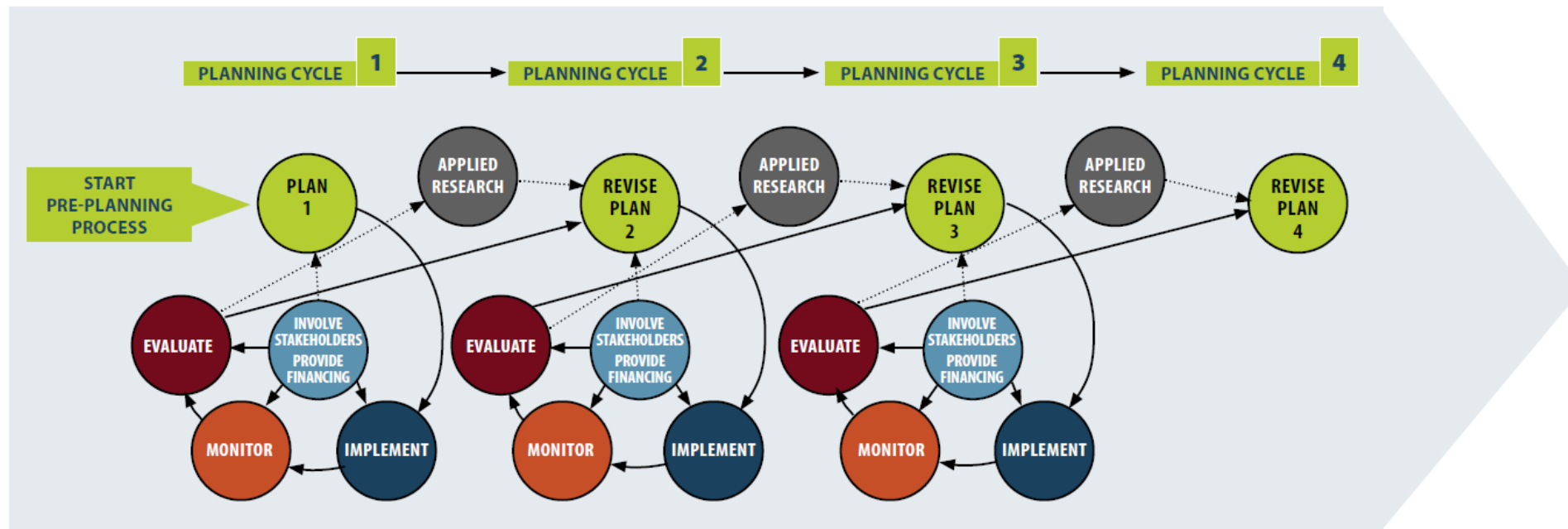
MONITORING,
EVALUATION &
ADAPTATION



➤ **Stakeholder
Participation**

Continuous adaptive process

Led by:



Evolution of MSP from 2009

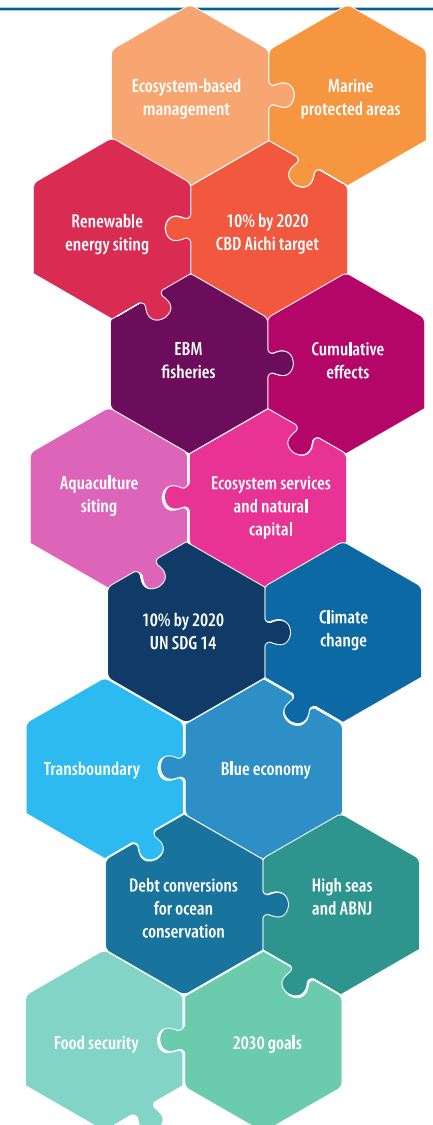
Led by:



Following the pioneering initiative of IOC-UNESCO's 'step-by-step' approach, various

- international organisations
- governmental
- non-governmental
- academia and
- private sector

have produced documents of different types at the international, national or subnational level that directly or indirectly inform the advancement of MSP





Spatial uses



Uses & Activities

Led by:



Multi-use

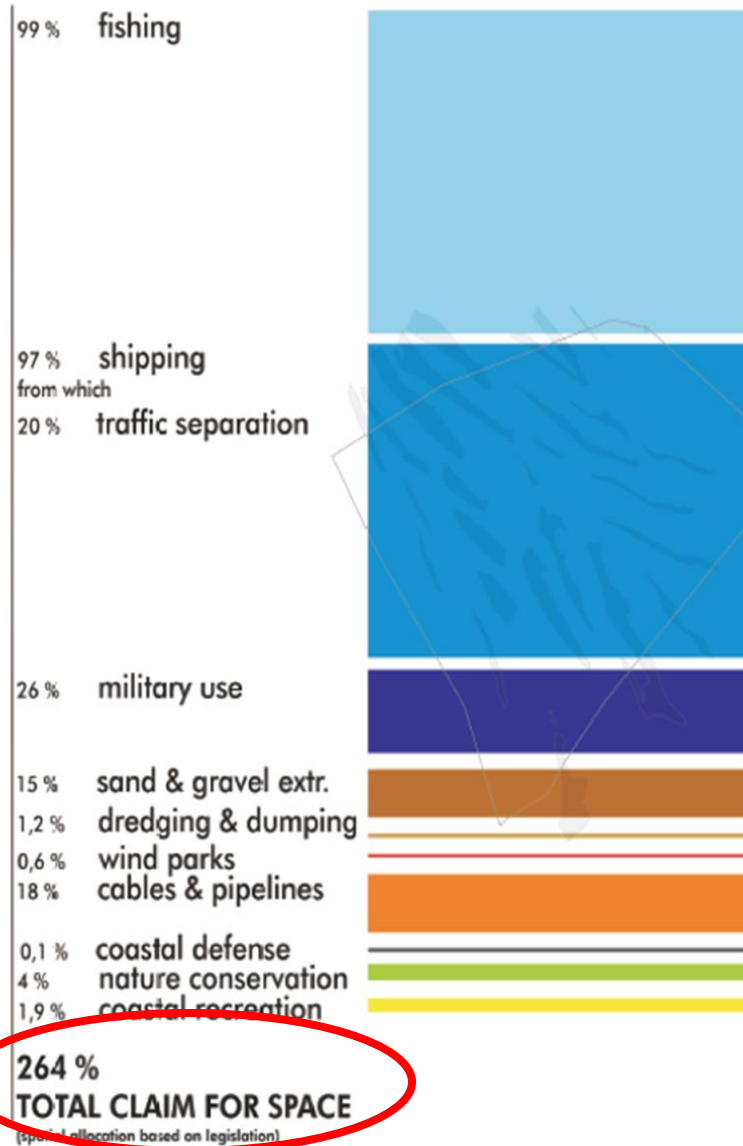
Led by:



The application of the ocean multi-use concept can contribute to a more space efficient and sustainable use of the ocean, bringing in additional environmental and socio-economic benefits.



The spatial problems





Lessons learnt



Political will

Led by:



- ✓ You need to find a **political champion** to support MSP

Clear authority and leadership

Led by:



Leadership



- ✓ To take decisions and
to **guarantee the
implementation**

Financial sustainability

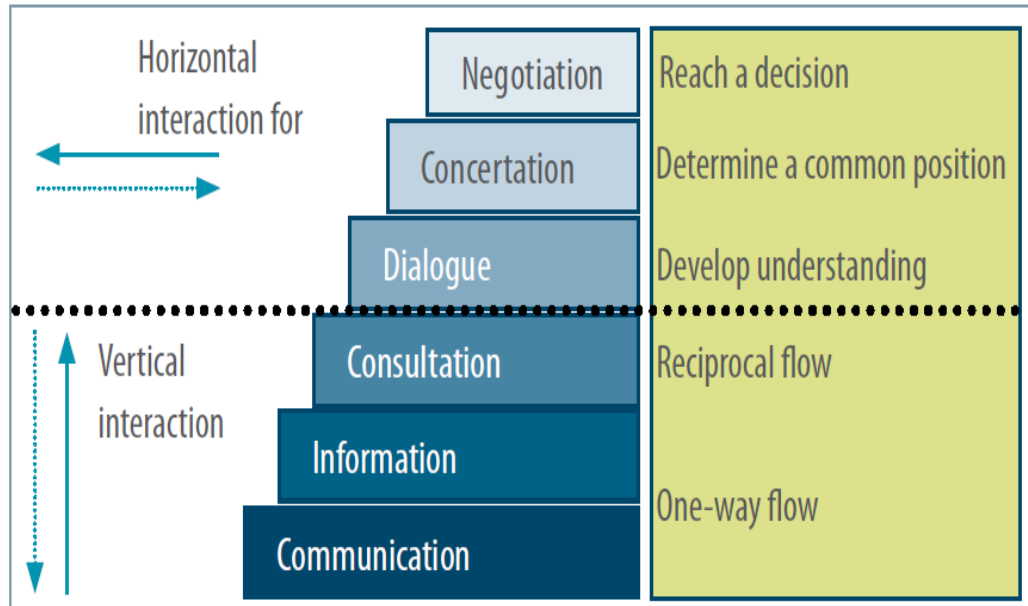
Led by:



✓ **Diversified financing**
includes government funds,
user charges, grants from
charitable foundations,
endowments

Participation

Led by:



- ✓ MSP implies **social and political interactions** to key governance principles

Clear and measurable objectives

Led by:



Ecological + Economic + Social

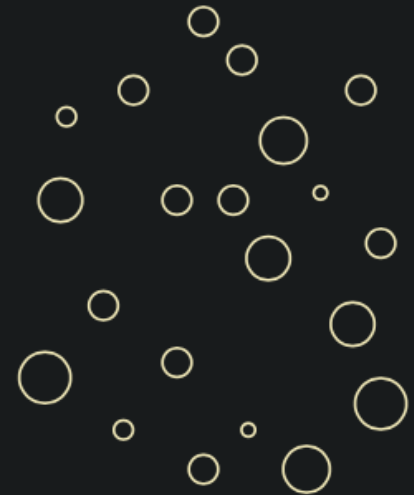
S	M	A	R	T	I	E
SPECIFIC	MEASURABLE	ACHIEVABLE	RELEVANT	TIME-BOUND	INCLUSIVE	EQUITABLE
When the objective is precise and concrete enough not to be open to varying interpretations by different people.	When the objective allows verification of its achievement through indicators. Such objectives are either quantified or based on a combination of description and scoring scales.	When the objective is set at a level which is ambitious but at the same time realistically achievable within the context, knowledge and resources available.	When the objective is directly linked to the drivers and vision.	When the objective is related to a fixed date or precise time period to allow an evaluation of its achievement.	When everyone is welcomed – particularly those most impacted – into processes, activities, and decision/ policymaking in a way that shares power.	When the elements of fairness are included seeking to address systemic injustice and inequity.

From Data to Insight

Led by:



Data



Information



Knowledge



Insight



Wisdom



Best available information



- ✓ **Lack of information is not an excuse** to delay starting to plan
- ✓ **Stakeholders often know more** than the government and might be willing to share information if they understand the purpose
 - ✓ **No fear to mapping**

“Maps are power. Either you will map or you will be mapped”
(Nietschmann, 1997)

Define a vision and evaluate alternative futures

Led by:



marine
spatial
planning
global



marine
spatial
planning
global



- **Future:** Trends, new demands of ocean space, suitability maps, potential areas for biodiversity conservation, climate change
- **Alternative scenarios**

The Sea: An Economic Resource to Exploit



The Sea: A Space for Leisure



The Sea: Protected by its Value



Adaptive management

Led by:



- ✓ learning by doing (or by walking 😊)

**TRAVELERS, THERE IS
NO PATH, PATHS ARE
MADE BY WALKING.**

Antonio Machado
Spanish Poet

Summary of MSP benefits

Led by:



- **Reduce conflicts** *between sectors and create synergies between different activities*
- **Encourage investment** *by instilling predictability, transparency and clearer rules*
- **Increase coordination** *between administrations in each country, using a single instrument to balance the development of a range of maritime activities*
- **Increase cooperation** *between countries and sectors*
- **Protect the environment** *through early identification of impact and opportunities for multiple use of space*
- **Improvement and reduction of the cost** *of project level planning and information collection, storage, and retrieval*

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