

marine
spatial
planning
global



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Climate-smart MSP

A collaborative development of guidelines under MSPglobal

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A joint initiative by UNESCO-IOC and DG MARE to develop and implement international guidelines on MSP

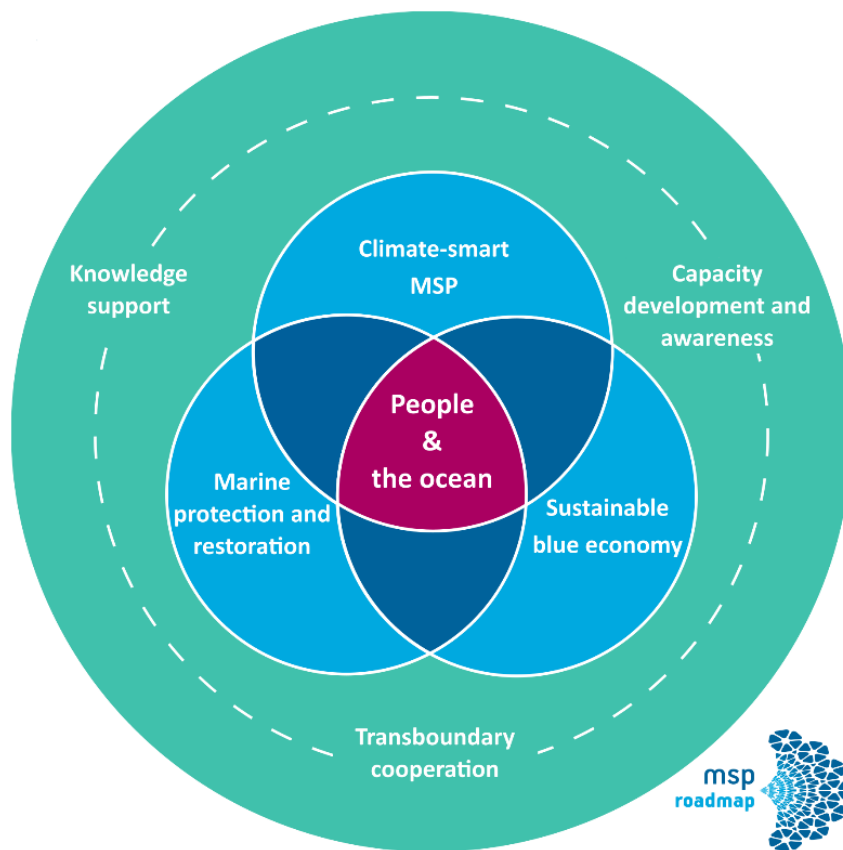
Joint Roadmap to accelerate MSP processes worldwide (2017-2022)

Support knowledge
exchange at the
international level

Develop
international
guidance



Updated Joint Roadmap to accelerate MSP processes worldwide (2022-2027)



Six priority areas divided into:

- **Cross-cutting**
 1. Knowledge support
 2. Capacity development and awareness
 3. Transboundary cooperation
- **Thematic**
 4. **Climate-smart MSP**
 5. Marine protection and restoration
 6. Sustainable blue economy

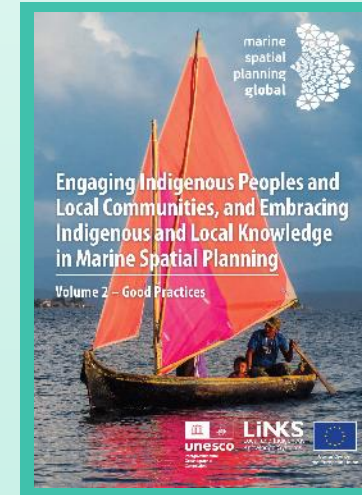
Guides & good practices under development

- **Rapid Assessment Methodology (RAM)** towards the development of Action Plans to advance MSP
- **Complementary Guides UNESCO-IOC & European Commission:**
 - ➔ Biodiversity inclusive MSP (w/UNEP; reviewed by CBD Secretariat & OBIS)
 - ➔ Climate-smart MSP (reviewed by UNFCCC and IOC/OSS)
- **Data Toolboxes**
 - ➔ How to develop a **Spatial Data Infrastructure for MSP** (w/IODE)
 - ➔ How to integrate **ocean observation into MSP** (w/GOOS & OBIS)

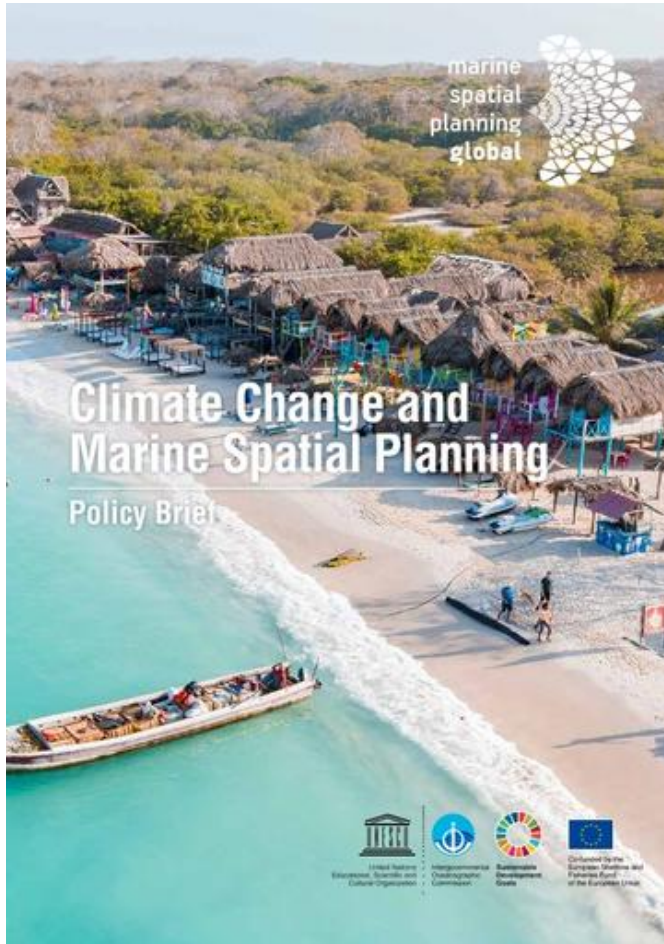


Guides & good practices under development

- Engaging Indigenous Peoples and local communities (w/LINKS)
 - ➔ Basic concepts
 - ➔ Good practices
- Engaging Offshore Wind Sector (w/UNGC)
 - ➔ Sector overview
 - ➔ Good practices



MSPglobal & climate-smart MSP



COMMUNITY OF PRACTICE

dedicated panels and round-table discussions on climate-smart MSP in the 5th and 6th editions (2022 & 2024)

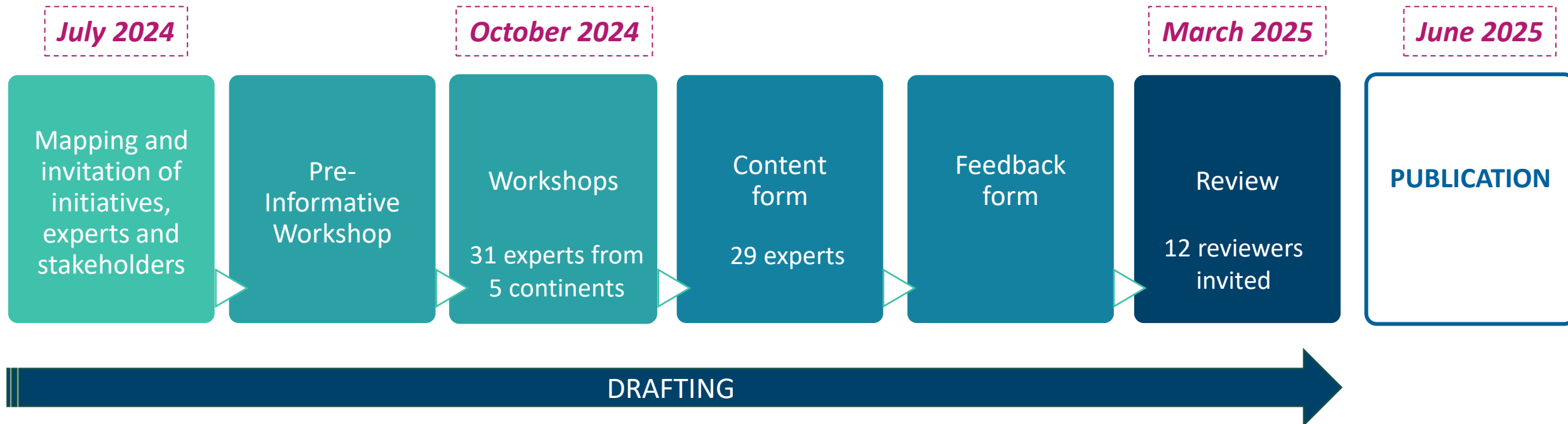
- Satellite event of the Ocean Decade Conference 2024
- Thematic session at the ICES Annual Science Conference 2024



Development of climate-smart MSP volume



Co-development of complementary guide to provide actionable steps for practitioners and policymakers so that climate considerations are embedded in MSP efforts.



Climate-smart MSP volume

Draft Outline



Executive Summary, Glossary, etc.

1. About this volume

- 1.1. Background and rationale
- 1.2. Purpose
- 1.3. Target Audience
- 1.4. Process adopted to develop this volume

2. Why do we need to further emphasise *climate* considerations in MSP?

- 2.1. Importance and threats
- 2.2. New international objectives and targets
- 2.3. The role of MSP

3. What is *climate smart* MSP?

- 3.1. Definition(s)
- 3.2. Foundational framework of MSP: EBA
- 3.3. Key elements of *climate smart* MSP

4. How to develop *climate smart* MSP?

- 4.1. The MSP process
- 4.2. Overarching recommendation
- 4.3. Specific recommendations for climate-smart MSP per phase (*incl. suggested actions, tools, further reading*)

5. Ways to move forward

+ Case Studies throughout the document

Climate-smart MSP volume

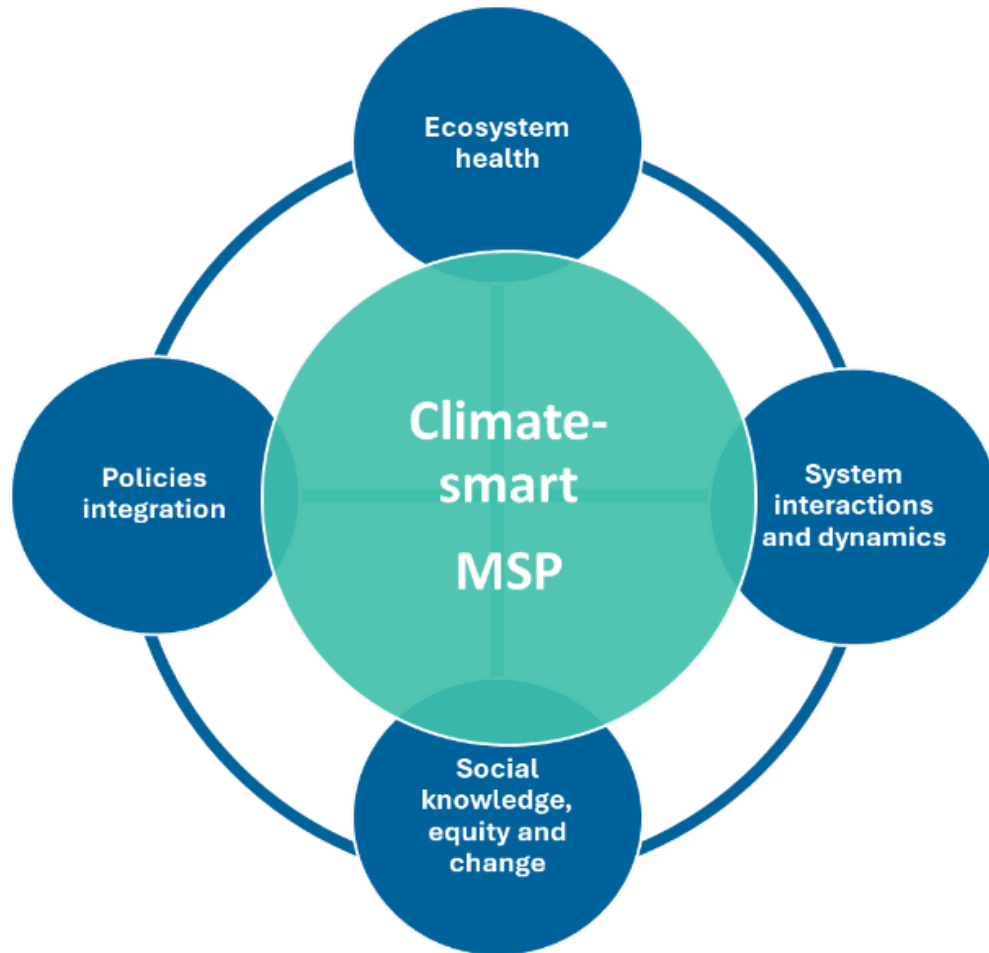
Definition



Climate-smart MSP integrates **climate-related knowledge** but also supports efforts to **reduce or capture carbon emissions** (mitigation) and **alleviate the negative impacts** of climate change (adaptation) (Frazão Santos *et al.*, 2020; Varjopuro *et al.*, 2023).

Climate-smart MSP volume

Key foundational elements



Ensuring ecosystem health, essential for a functioning marine environment that can support the achievement of social and economic objectives.

Understanding systems interactions and dynamics, including cumulative impacts and cascading effects of climate change and other human induced.

Considering social knowledge, equity and change will contribute to a more inclusive planning process.

Aligning and integrating climate and marine policies that can strengthen coherent governance and action at multiple scales.

Climate-smart MSP volume

Draft Recommendations



Phase 1 - Setting the scene

- *Laying foundations for climate-smart MSP*
- *Establishing cross-sectoral collaboration and integration*
- *Promoting rights-holders and stakeholders' engagement*
- *Leveraging funding and resources*

Phase 2 - Designing the planning process

- *Bringing climate expertise into the technical MSP team*
- *Building a long-term common vision for climate-smart MSP*
- *Setting objectives for climate-smart MSP*

Phase 3 – Developing assessments for planning

- *Collecting and sharing data and knowledge across sectors*
- *Incorporating climate projections and diverse modelling techniques*
- *Embracing Indigenous and local knowledge*
- *Developing integrated information systems*
- *Conducting comprehensive assessments*
- *Co-creating scenarios*

Phase 4 - Developing the marine spatial plan

- *Contributing to the identification of areas for protection and restoration of ecosystems*
- *Promoting solutions for climate-smart marine and coastal sectors*
- *Considering dynamic zoning and adaptive pathways*
- *Taking a human rights-based approach*

Phase 5 - Enabling implementation of the marine spatial plan

- *Building capacity and raising awareness for climate-smart MSP*
- *Considering the financial resources needed for long-term implementation*
- *Balancing flexibility and legal certainty*

Phase 6 - Monitoring, evaluation and adaptation of the MSP process and the marine spatial plan

- *Enhancing monitoring for adaptive management*
- *Revising and adjusting plans as conditions evolve*

Governance & Policy

- Fragmented governance and conflicting sectoral policies
- Climate policies not integrated into MSP frameworks
- Political will often favors short-term economic/security goals
- Rigid legal systems prevent dynamic, adaptive planning

Operational & Institutional limitations

- Limited capacity and resources to implement climate-smart MSP
- Insufficient stakeholder engagement and participation
- Misaligned timelines between MSP updates and other legal permits
- Outdated marine spatial plans with slow review cycles

How to be flexible and adapt to changing conditions?

Forward-Looking & Flexible Planning

- Develop policies based on **data and projections that can be regularly updated**
- Design **marine zones** based on future projections for sectors and biodiversity mobility and consider **dynamic zoning**

Adaptive Planning Cycles

- Use the **MSP cycle** (implementation, monitoring, evaluation, revision) for iterative adaptation
- Invest in regular **monitoring** not only of environmental change but also socio-economic change and changing values/needs

Thank you!



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