



NELSON MANDELA
UNIVERSITY



A Strategic Framework for Marine Spatial Planning in the Western Indian Ocean

MSP and Information Management Workshop

28 Nov – 01 Dec 2022

Dar es Salaam, Tanzania

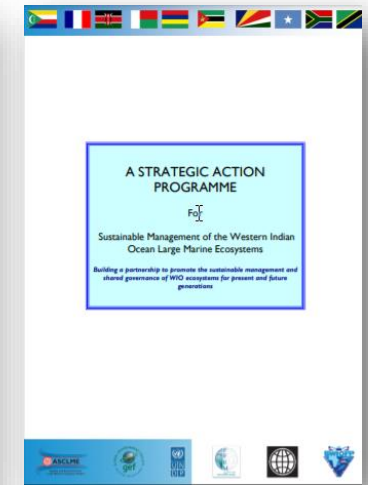
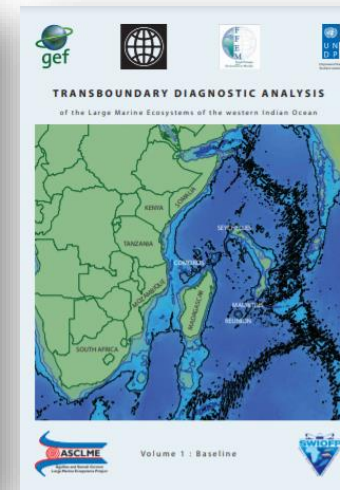
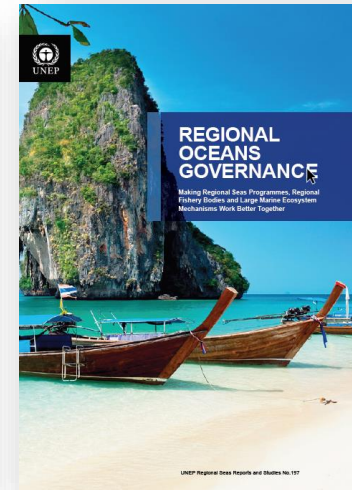
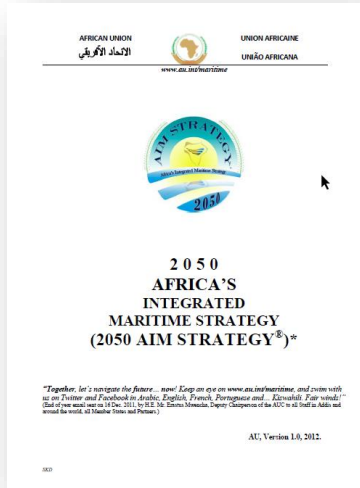
MSP – TWG MEMBERS

NO	NAME	COUNTRY
1	Mr. Mouchitadi Madi Bamdou	Comoros
2	Mr. Soifa Ahamed Soilihi	
3	Mr. Fabrice Bernard	France
4	Mr. Pascal Talec	
5	Ms. Susan Otieno	Kenya
6	Mr. Harrison Onganda	
7	Mr. Fanomezantsoa Randrianarison	Madagascar
8	Mr José Victor Randrianarimanana	
9	Dr. Rezah Badal	Mauritius
10	Dr. Arshad Rawat	
11	Mr. Rajaram Luximon	
12	Dr. Celso Lopes	Mozambique
13	Eng. Sofia Chambe	

NO	NAME	COUNTRY
14	Mrs. Marie-May Muzungaile	Seychelles
15	Ms. Helena Sims	
16	Mr. Dahir Farah Hussein	Somalia
17	Dr. Amina Lula Sekaly	
18	Mr. Potlako Khati	South Africa
19	Mr. Moses Ramakulukusha	
20	Dr. Saleh A.S. Yahya	Tanzania
21	Eng. Sijali Pamba Zegge	

Need for a regional MSP framework

Parties to the Nairobi Convention (NC) and partners, Dar es Salaam, March 2019 ... requested the Nairobi Convention Secretariat to work with partners to develop a regional strategy



Source	Title
African Union	Africa's Integrated Maritime Strategy 2050 (AIMS)
	Africa Blue Economy Strategy 2019
African Union Commission	Agenda 2063. The Africa we want
African Union, UNEP	African Strategy for Ocean Governance
UN Development Programme	Transboundary Diagnostic Analysis (TDA) of the Large Marine Ecosystems of the western Indian Ocean
	A Strategic Action Programme (SAP) for Sustainable Management of the Western Indian Ocean Large Marine Ecosystems

Definition of MSP

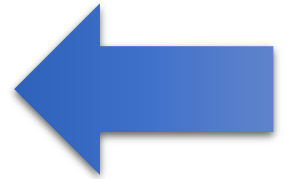
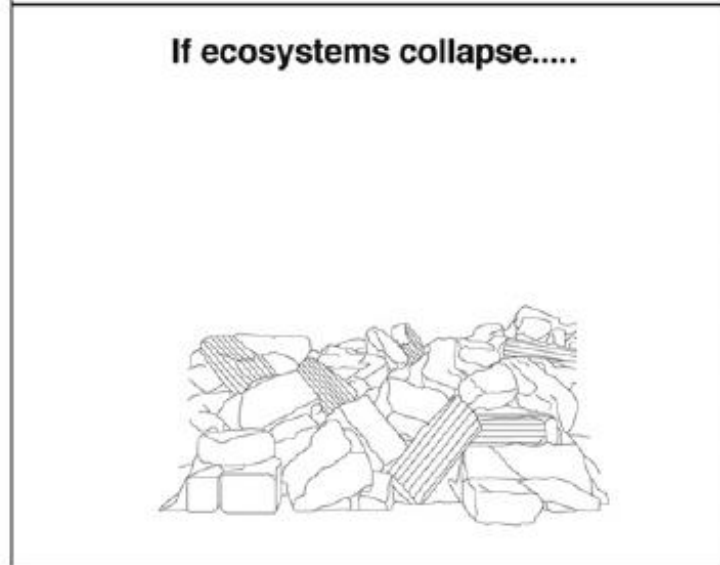
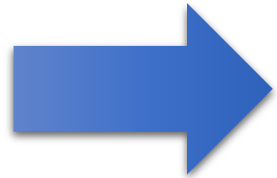
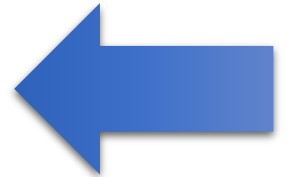
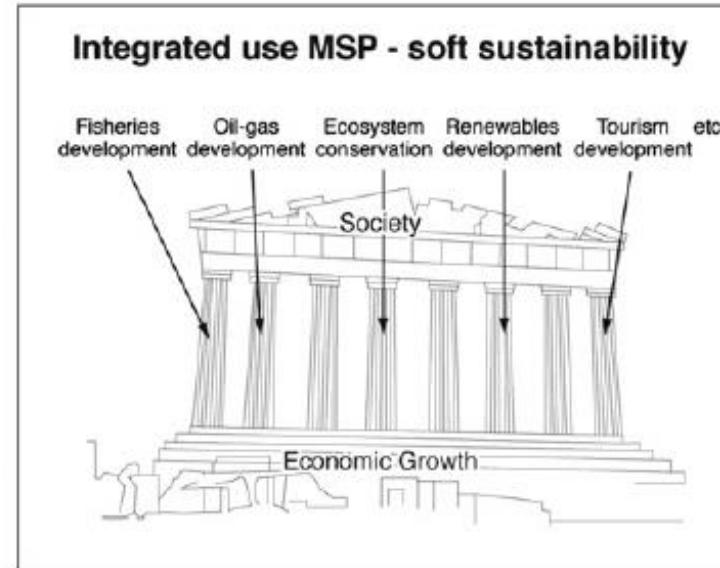
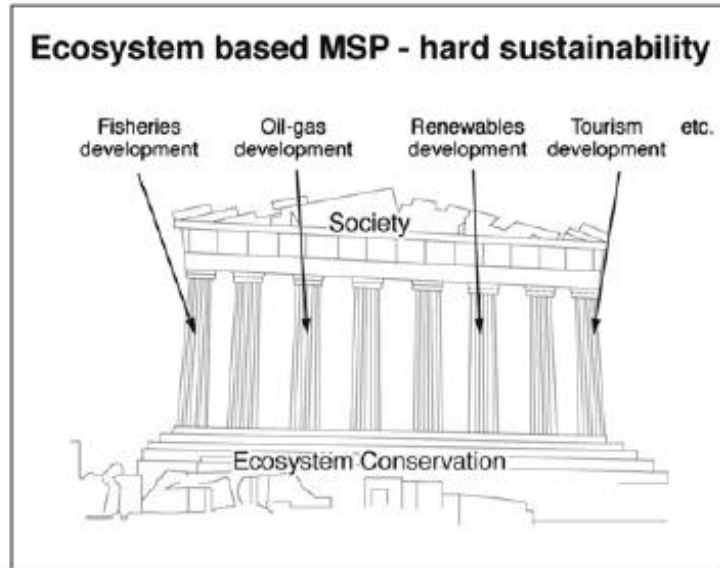
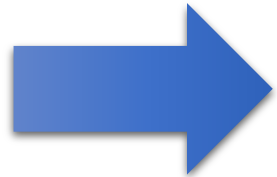


MSP is “a process of analyzing and allocating parts of three-dimensional marine spaces (or ecosystems) to specific uses or objectives, to achieve ecological, economic, and social objectives that are usually specified through a political process”

MSP is a process that is:

- ecosystem-based
- integrated across sectors & agencies
- area-based
- adaptive
- strategic and anticipatory
- and participatory

Ecosystem-based versus Integrated use MSP

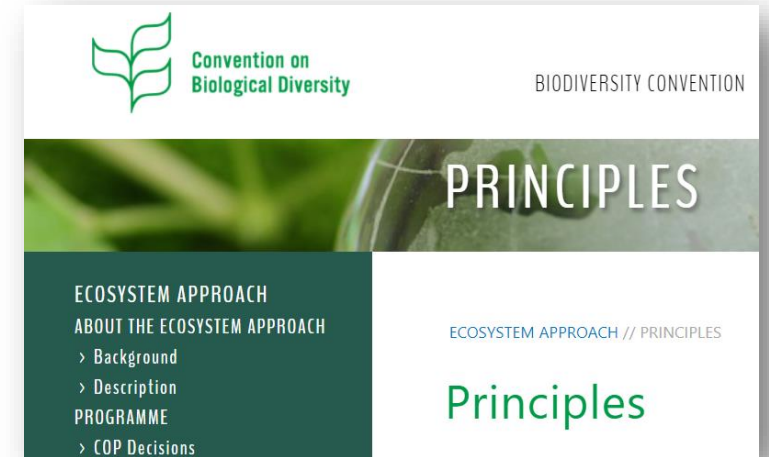


Guiding principles

UN SDGs

UNEP's proposed new Marine and Coastal Strategy (2020-2030)

UN Economic Commission for Africa (UNECA 2016)



- An ecosystem-based approach
- A Systems thinking approach
- A multi-stakeholder-based approach
- A sound evidence base for decision-making
- Transparency and accountability
- Policy coherence
- Cooperation
- Shared benefits and prosperity for all

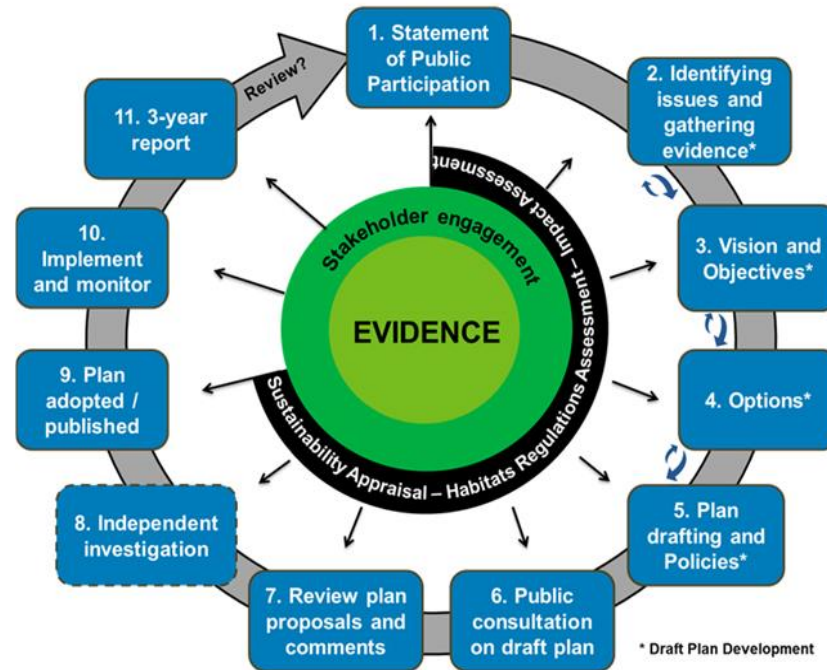
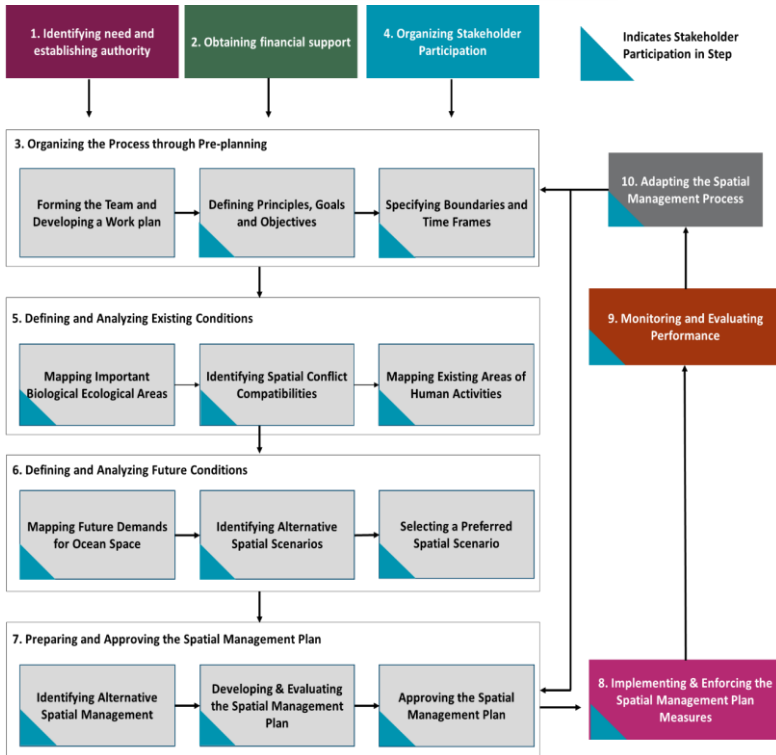
Annex 1: Malawi Principles for the Ecosystem Approach

12

Best practice



**Marine Plan Partnership
Pacific North Coast**

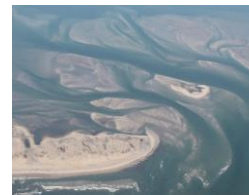


Governance challenges

- Inefficient governance system
- Lack of integration
- Limited access to data
- Lack of funds & inefficient spending
- Limited technical and human capacity
- Lack of monitoring and evaluation
- User/stakeholder conflicts
- Outdated legal/regulatory frameworks
- Human population growth
- Regional issues not prioritised by nations

Threatening processes

- Biodiversity loss
- Habitat loss/destruction
- Unsustainable fishing
- Pollution & sedimentation
- Climate-driven changes
- Piracy/marine safety & security
- Poor management of ship traffic

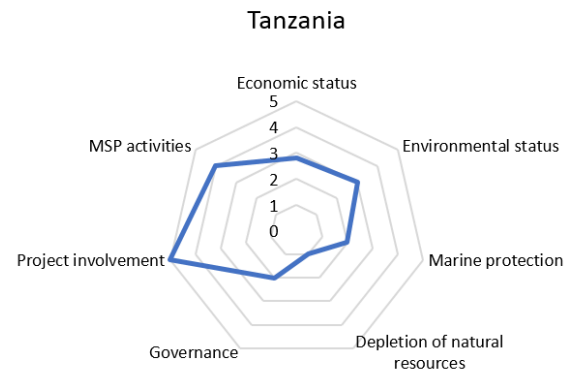
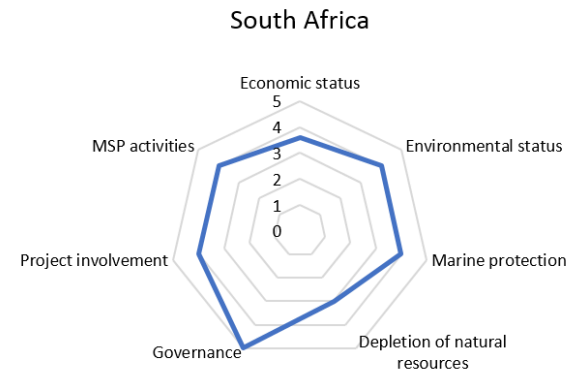
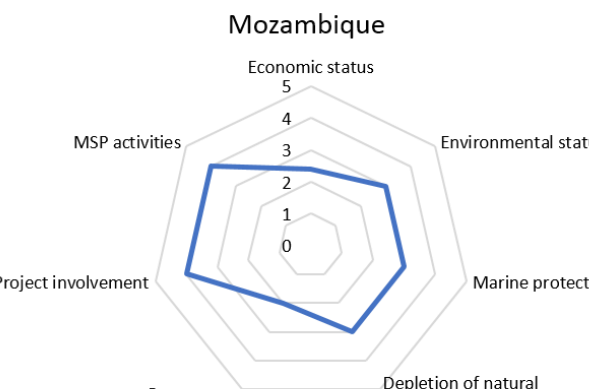
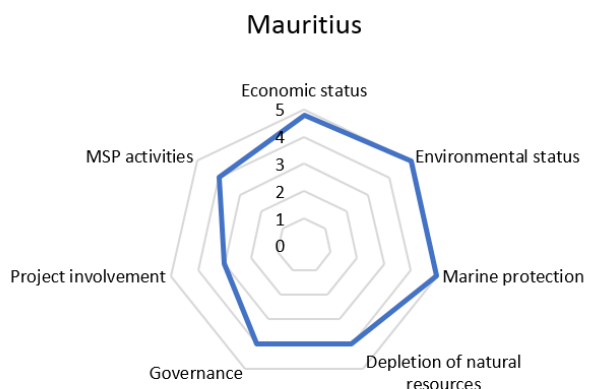
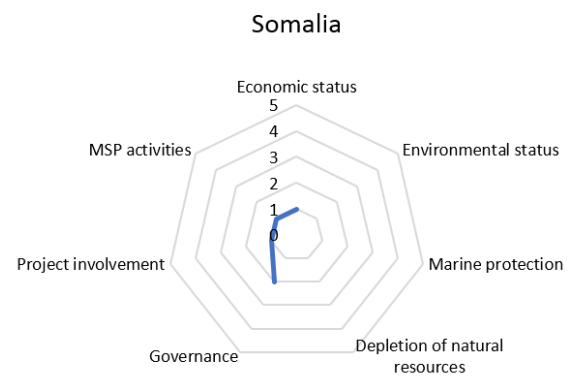
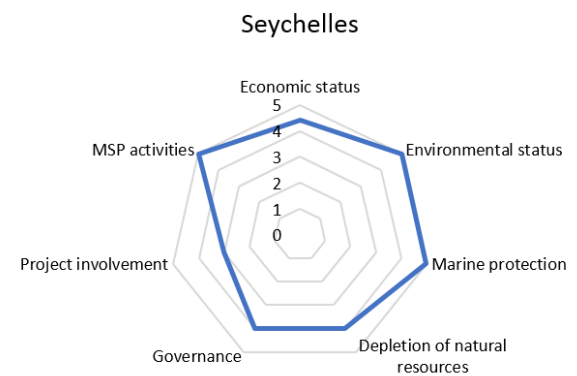
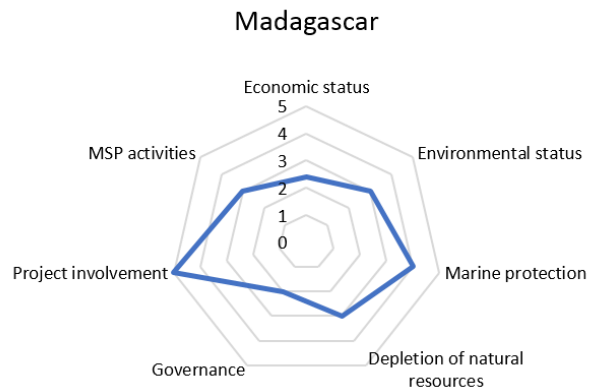
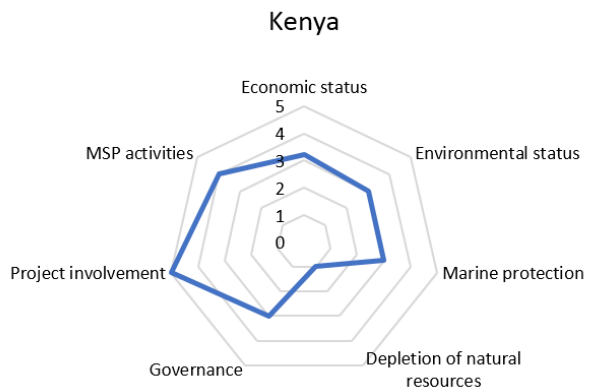
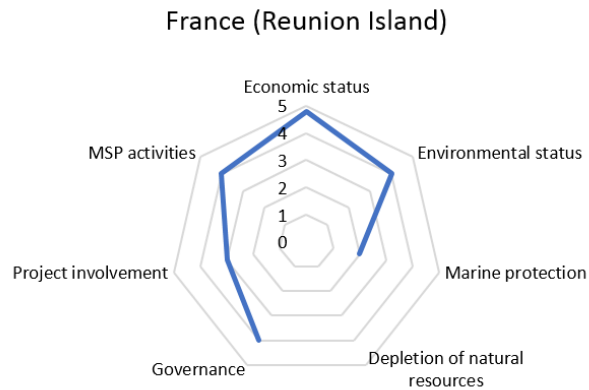
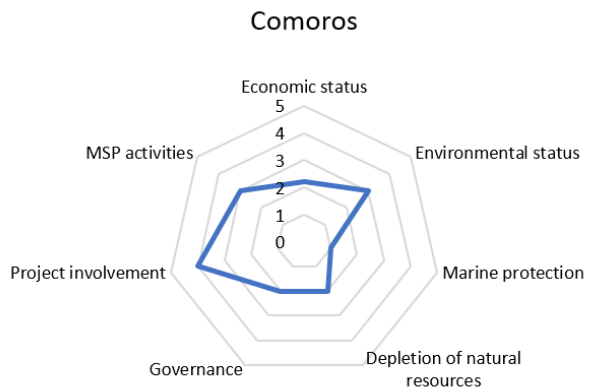


Benefits of regional MSP



- Increased resilience to climate change
- Effective management of marine ecosystems /processes
- Effective management of migratory marine species
- A reduction of overexploitation
- Improved understanding of regional ecosystem services
- Reduced habitat modification
- Improved water quality management
- Mitigation and reduction of pressures (*pollution)
- Conflict management
- Improved knowledge management (monitoring/data)
- Conservation of ABNJ
- Improved maritime safety & security

National MSP readiness in the WIO



Vision

A WIO with inclusive and sustainable management of ocean and coastal ecosystem services for human wellbeing



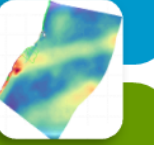



Goal

An inclusive and holistic MSP process that produces a regional marine spatial plan to support the sustainable management of ocean and coastal ecosystems for all

Objectives

Roadmap, principles and guidelines for EBA to regional MSP	Policy alignment	Multi-use & conflict management	Manage threatening processes	Sustainable & inclusive blue economies
Framework for EBA to National MSP	Clear institutional arrangements	Systems approach	Knowledge management	Tools for implementation
				Network of MPAs

Strategic Priorities

Stakeholder engagement processes that bring big industry & smaller interest groups together 	Contextualisation of the global blue economy narrative for the WIO region 	Improved mapping of biophysical environment & human activities 	Multilateral stock management plans 	Increased ocean protection 
Harmonisation of legal instruments for blue economy practices 	Cross sectoral governance	Improved management of different sectoral activities & conflict	Management & protection of ABNJ	

Systemic perspective of strategic priorities

Implementation

Adoption and implementation of the strategy	Binding multilateral agreements	Supporting Legal Framework	Capacity development for financial planning; communication; in-country MSP expertise; knowledge management	Guidelines and Tools
Political will, government transparency & accountability	Ecosystem-based approaches to support SGD achievement	Nested plans; co-development of area plans		Monitoring, Evaluation and Learning (MEL)
		Identification of Priorities		

Vision

A WIO with inclusive and sustainable management of ocean and coastal ecosystem services for human wellbeing

Goal

An inclusive and holistic MSP process that produces a regional marine spatial plan to support the sustainable management of ocean and coastal ecosystems for all

Vision

A WIO with inclusive and sustainable management of ocean and coastal ecosystem services for human wellbeing

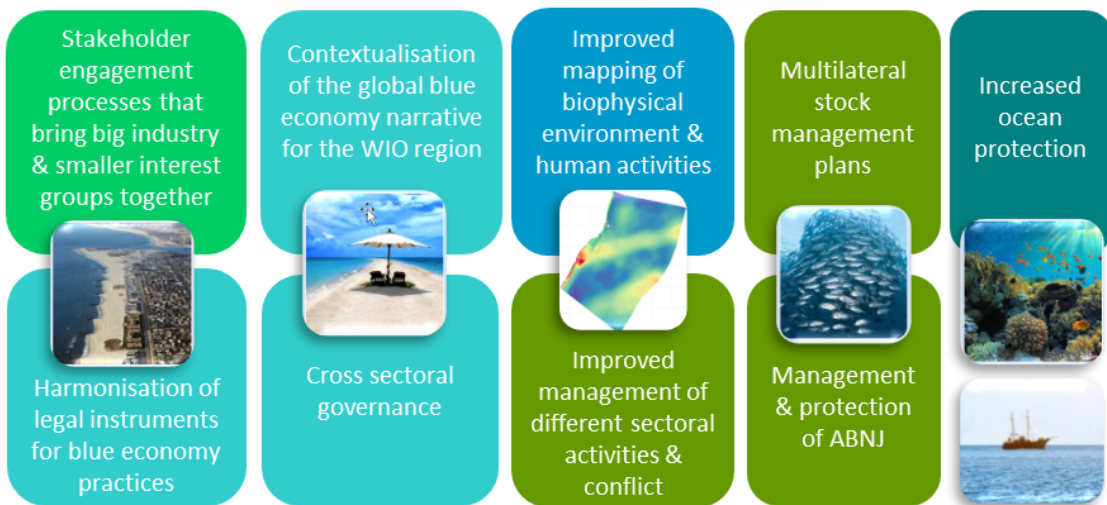
Goal

An inclusive and holistic MSP process that produces a regional marine spatial plan to support the sustainable management of ocean and coastal ecosystems for all

Objectives

Roadmap, principles and guidelines for EBA to regional MSP	Policy alignment	Multi-use & conflict management	Manage threatening processes	Sustainable & inclusive blue economies
Framework for EBA to National MSP	Clear institutional arrangements	Systems approach	Knowledge management	Tools for implementation
				Network of MPAs

Strategic Priorities



Systemic perspective of strategic priorities

Implementation

Adoption and implementation of the strategy	Binding multilateral agreements	Supporting Legal Framework	Capacity development for financial planning; communication; in-country MSP expertise; knowledge management	Guidelines and Tools
Political will, government transparency & accountability	Ecosystem-based approaches to support SGD achievement	Nested plans; co-development of area plans	Identification of Priorities	Monitoring, Evaluation and Learning (MEL)

Roadmap, principles and guidelines for EBA to regional MSP

Framework for EBA to National MSP

Manage threatening processes

Tools for implementation

Policy alignment

Systems approach

Clear institutional arrangements

Multi-use & conflict management

Sustainable & inclusive blue economies

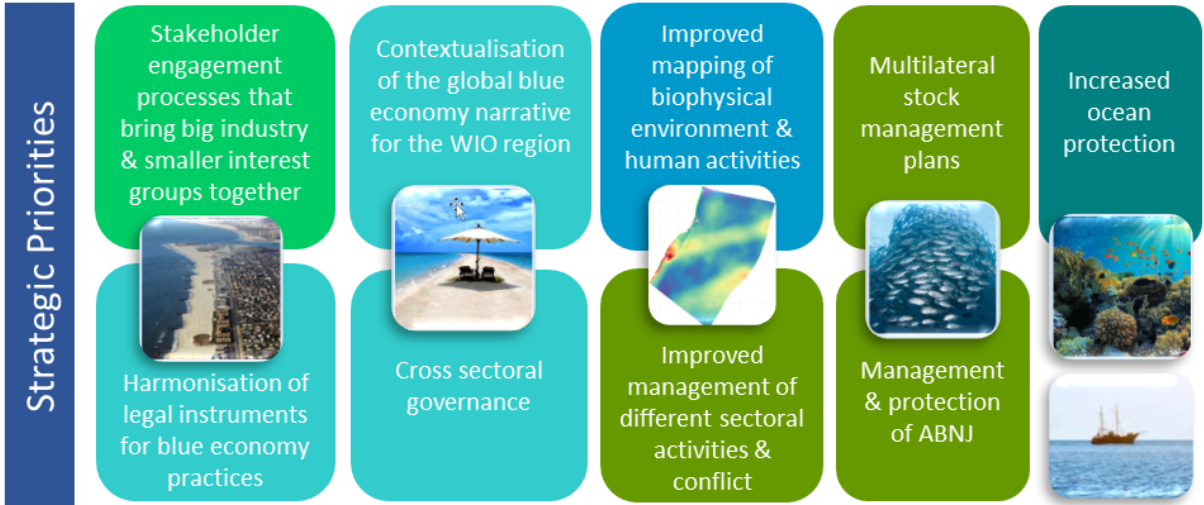
Knowledge management

Network of MPAs

Vision
A WIO with inclusive and sustainable management of ocean and coastal ecosystem services for human wellbeing

Goal
An inclusive and holistic MSP process that produces a regional marine spatial plan to support the sustainable management of ocean and coastal ecosystems for all

Objectives	Roadmap, principles and guidelines for EBA to regional MSP	Policy alignment	Multi-use & conflict management	Manage threatening processes	Sustainable & inclusive blue economies
	Framework for EBA to National MSP	Clear institutional arrangements	Systems approach	Knowledge management	Tools for implementation
					Network of MPAs



Systemic perspective of strategic priorities

Implementation	Adoption and implementation of the strategy	Binding multilateral agreements	Supporting Legal Framework	Capacity development for financial planning; communication; in-country MSP expertise; knowledge management	Guidelines and Tools
	Political will, government transparency & accountability	Ecosystem-based approaches to support SGD achievement	Nested plans; co-development of area plans	Identification of Priorities	Monitoring, Evaluation and Learning (MEL)

Stakeholder engagement processes that bring big industry & smaller interest groups together

Contextualisation of the global blue economy narrative for the WIO region

Harmonisation of legal instruments for blue economy practices

Cross sectoral governance

Improved mapping of biophysical environment & human activities

Multilateral stock management plans

Improved management of different sectoral activities & conflict

Management & protection of ABNJ

Increased ocean protection

Vision

A WIO with inclusive and sustainable management of ocean and coastal ecosystem services for human wellbeing



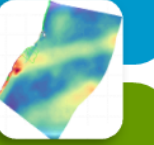



Goal

An inclusive and holistic MSP process that produces a regional marine spatial plan to support the sustainable management of ocean and coastal ecosystems for all

Objectives

Roadmap, principles and guidelines for EBA to regional MSP	Policy alignment	Multi-use & conflict management	Manage threatening processes	Sustainable & inclusive blue economies
Framework for EBA to National MSP	Clear institutional arrangements	Systems approach	Knowledge management	Tools for implementation
				Network of MPAs

Strategic Priorities

<p>Stakeholder engagement processes that bring big industry & smaller interest groups together</p>  <p>Harmonisation of legal instruments for blue economy practices</p>	<p>Contextualisation of the global blue economy narrative for the WIO region</p>  <p>Cross sectoral governance</p>	<p>Improved mapping of biophysical environment & human activities</p>  <p>Improved management of different sectoral activities & conflict</p>	<p>Multilateral stock management plans</p>  <p>Management & protection of ABNJ</p>	<p>Increased ocean protection</p>  
---	---	--	--	--

Systemic perspective of strategic priorities

Implementation

Adoption and implementation of the strategy	Binding multilateral agreements	Supporting Legal Framework	Capacity development for financial planning; communication; in-country MSP expertise; knowledge management	Guidelines and Tools
Political will, government transparency & accountability	Ecosystem-based approaches to support SGD achievement	Nested plans; co-development of area plans		Monitoring, Evaluation and Learning (MEL)
		Identification of Priorities		

Adoption and implementation of the strategy

Political will, government transparency & accountability

Ecosystem-based approaches to support SGD achievement

Nested plans; co-development of area plans

Capacity development

Guidelines and Tools

Monitoring, Evaluation and Learning (MEL)

Binding multilateral agreements

Supporting Legal Framework

Identification of Priorities

Vision

A WIO with inclusive and sustainable management of ocean and coastal ecosystem services for human wellbeing

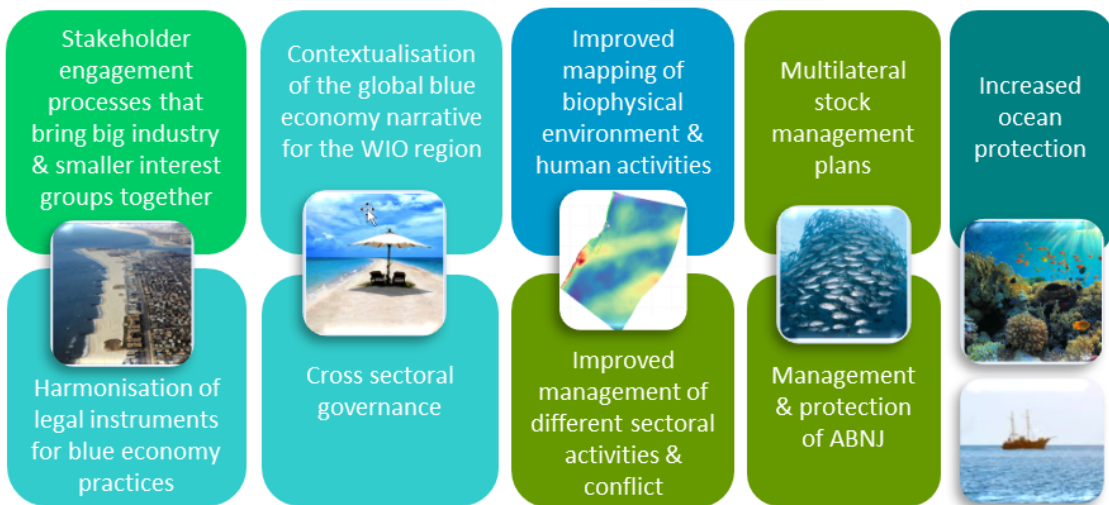
Goal

An inclusive and holistic MSP process that produces a regional marine spatial plan to support the sustainable management of ocean and coastal ecosystems for all

Objectives

Roadmap, principles and guidelines for EBA to regional MSP	Policy alignment	Multi-use & conflict management	Manage threatening processes	Sustainable & inclusive blue economies
Framework for EBA to National MSP	Clear institutional arrangements	Systems approach	Knowledge management	Tools for implementation
				Network of MPAs

Strategic Priorities



Systemic perspective of strategic priorities

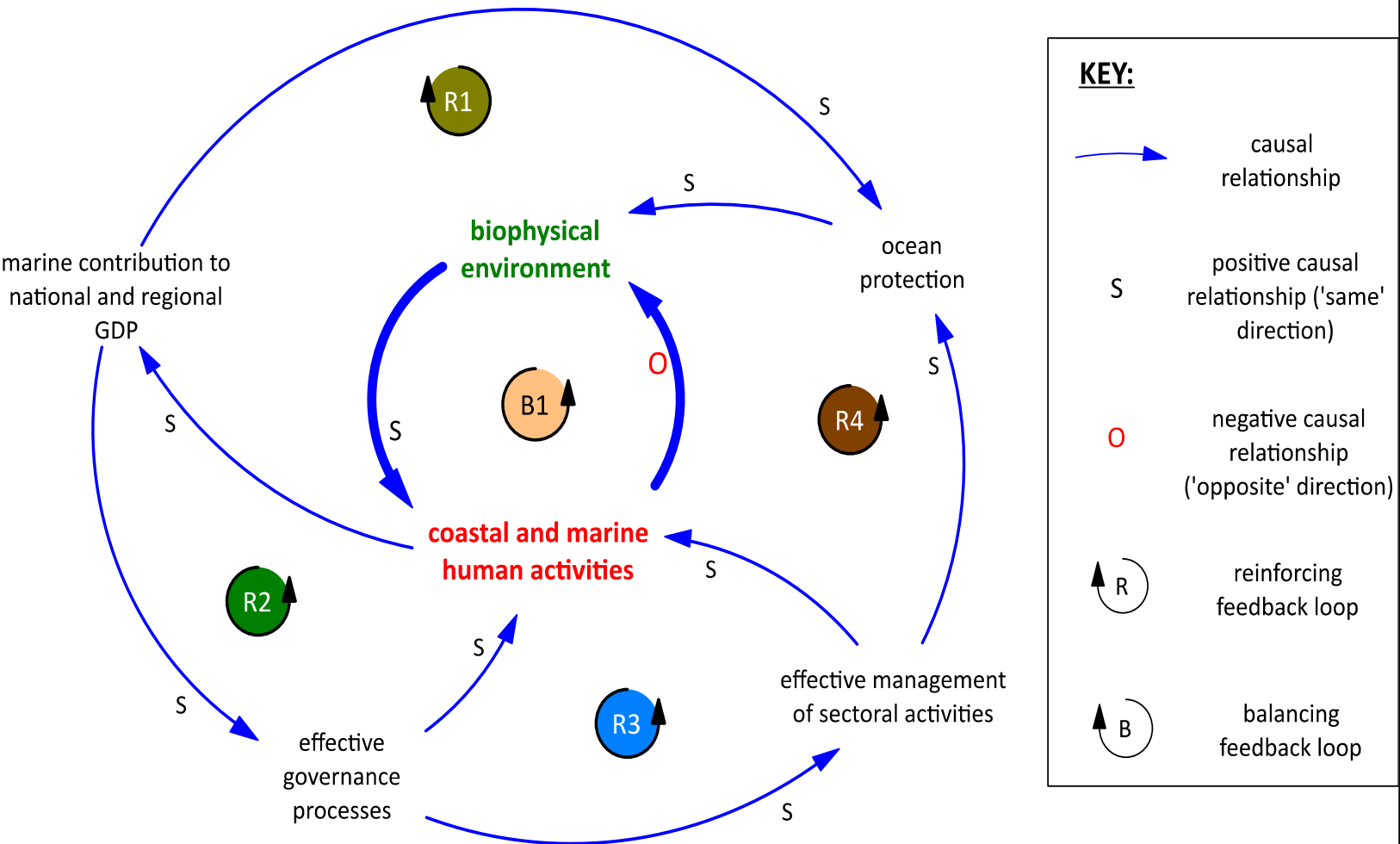
Implementation

Adoption and implementation of the strategy	Binding multilateral agreements	Supporting Legal Framework	Capacity development for financial planning; communication; in-country MSP expertise; knowledge management	Guidelines and Tools
Political will, government transparency & accountability	Ecosystem-based approaches to support SGD achievement	Nested plans; co-development of area plans		Monitoring, Evaluation and Learning (MEL)
		Identification of Priorities		



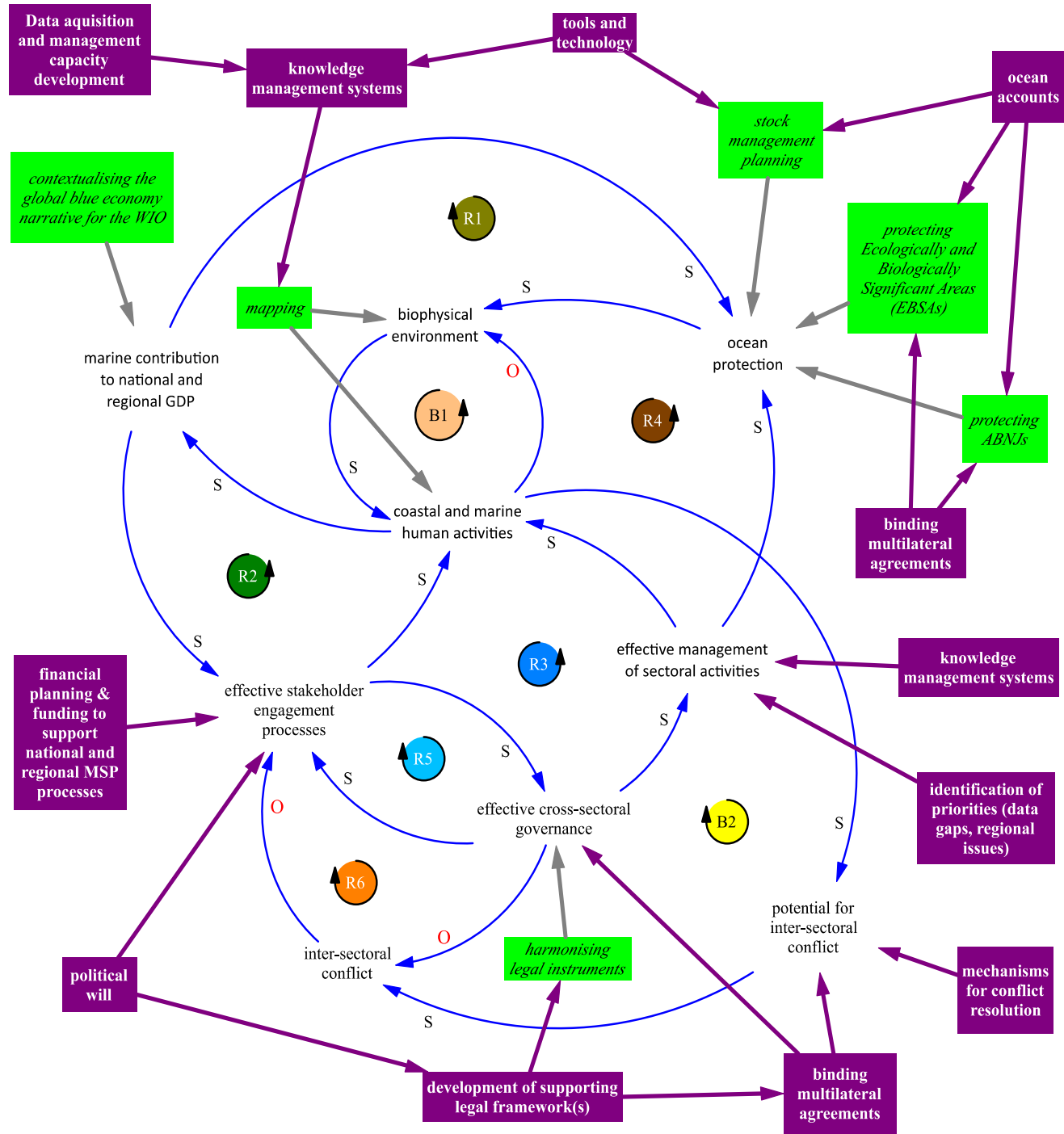
Systemic perspectives of strategic priorities

High-level causal loop diagram (CLD)



FEEDBACK LOOPS:

- B1** 'ecosystem base controlling human activities' (balancing) loop
- R1** economic development funding ocean protection
- R2** marine contribution to national and regional GDP funding engagement processes
- R3** effective engagement and cross-sectoral governance driving effective management
- R4** marine contribution to national and regional GDP



Expanded CLD with enabling mechanisms shown in relation to leverage points

Strategic Recommendations

1. Agree to ratify and adopt the strategy
2. Agree to harmonise in-country MSP development with strategy
3. Secure funding and develop capacity MSP
4. Develop regional partnerships (e.g. SADC, RFMOs, IOC, etc.)
5. Ensure that MSP follows an ecosystems-based approach (“Malawi Principles”)

Technical Recommendations

1. Promote an enabling policy environment for in-country MSP legislation.
2. Assist with establishment of in-country cross-sectoral forums/committees/working groups
3. Develop in-country knowledge management systems
4. Develop a communication and stakeholder engagement plan

THANK YOU