Marine Spatial Planning in the Western Indian Ocean

Aligning MSP in the WIO

WIOC Operational Strategy

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Marine Spatial Planning is defined as:

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

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MSP in the WIO:

**Regional (full WIO)**
- WIOSAP (implementing the WIO Strategic Action Plan, UNEP/GEF)
- SAPPHIRE (support to policy harmonization, UNDP/GEF)
- CBD/Sustainable Oceans Initiative Partnership – capacity building.
- MSPWIO – compiling data/demonstrator on MSP (IUCN, CORDIO, AFD)

**Sub-regional**
- Mozalink – spatial analyses in the Mozambique Channel (IRD + partners, MASMA/WIOMSA)
- Northern Mozambique Channel initiative (NMCi)

**National**
- South Africa – Operation Phakisa
- Seychelles Marine Multi-use Adaptation Project (SeyMMAP) (w. TNC)

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*How to align these efforts and share resources?*
Why do MSP?

A tool that is well tailored to compiling and comparing very different sources of information in a decision-making context.

Green/Blue Economic Development
Key dimensions of MSP

1) Policy
- A decision-making process, based on consensus/joint consideration of evidence
- Requires commitment to a process, and the ability to negotiate and compromise

2) Capacity building
- Trained GIS and spatial analysis technicians/experts
- Mediators/facilitators
- Software and tools

3) Information/data
- The right/appropriate information
- High/adequate quality
- Appropriate coverage (temporal & spatial)
1) Policy

Nairobi Convention

WOISAP/LMESAP
- Critical coastal habitats
- Water quality
- Living Marine resources
- Stakeholder collaboration/engagement

Other policy alignments needed:
- Indian Ocean Commission
- Regional Economic Commissions: SADC, COMESA, East Africa, AU, etc.
- Regional Fishery Management Organizations (IOTC, SIOFA, etc.)
- Other sectors ...

CBD Aichi marine targets
- 6 – fisheries
- 10 – climate sensitive ecosystems
- 11 – Marine Protected Areas & management

Sustainable Development Goals
- 14 – Oceans, conserve and sustainably use
- 12 – sustainable consumption & production
- 17 – partnerships in sustainable development
2) Capacity building

Projects supporting capacity building

- UNESCO-IOC MSP programme
  ✷ Training materials and courses
  ✷ Online and OceanTeacher/International Coastal Atlas Network, etc.

- SAPPHIRE, WIOSAP
  ✷ Capacity building will be focused on pilot/selected sites for implementation

- Sustainable Oceans Initiative (CBD)
  ✷ building on EBSA description and training in July 2012 (Mauritius)
  ✷ WIO regional Capacity Building workshop late 2015.
  ✷ CBD Secretariat contribution to Nairobi Convention countries and parties to the CBD COP.

Software and technical tools

- Spatial planning software
- EBM tools
- Obtain through partnerships (e.g. Seychelles/TNC collaboration.
- A variety of software tools depending on the objectives and type of data inputs.
3) Information/data

Many existing resources

- UNESCO-IOC MSP programme
  - Manual and technical resources – Ehler and Douvere
  - Africa Marine Atlas/ODINAFRICA
  - Training materials
- CBD experiences and tools on MSP
  - EBSA data and capacity building
- NGO programmes and online resources
  - [www.marinespatialplanning.org](http://www.marinespatialplanning.org)
  - Multiple NGOs, e.g. The Nature Conservancy
- Datasets and information
  - Africa Marine Atlas (UNESCO)
  - ASCLME
  - UNEP/GRID Arendahl
  - UNEP/WCMC
  - Other sources ...
MSPWIO Project

A demonstrator for fostering MSP and regional cooperation

- Seed funding project
- Drawn up on interconnectivity & common needs

Objectives/activities:
- Compiling data - Supporting information exchange, synergy and fostering coordination
- Contributing to build regional capacities: 1st Workshop 2015
- Mapping - Highlighting areas of interest + integrated vision of challenges and opportunities
- Co-designing scenarios and Facilitating and sustaining dialogue: 2d workshop 2016
- Strategic orientations for strengthening governance frameworks for the sustainable management of marine and coastal ecosystems including transboundary ecosystems

Partnership and Collaborative approach
Turtle density
Important Birds Areas

[Map of Important Birds Areas in the Indian Ocean region]
MPAs LMMAs
Ecosystem services aggregate value

Legend

Millions of US$ per year

- 6.0000 - 18.6000
- 18.6000 - 42.2000
- 42.2000 - 57.2000
- 57.2000 - 105.4000
- 105.4000 - 149.0000
- 149.0000 - 198.2000
- 198.2000 - 237.0000
- 237.0000 - 415.6000
- 415.6000 - 564.2000
- 564.2000 - 1835.0000

Ecosystem service

- Protection
- Sequestration
- Recreation
- Mariculture
- Tourism
- Fisheries
Combining data: integrated vision

- Conservation
- Energy Uses
- Shipping
- Recreation
- Offshore Aquaculture
3 layers
**Aligning MSP in the WIO**

**Key actions for proposing to the COP:**

- Establish mechanism for catalyzing initiatives and fostering alignment: i.e. a working group, from NCSEC modus op) bringing together representatives of major programmes (governmental, intergovernmental and non-governmental)

- Promoting synergies and coordination:
  - Shared information/datasets and technical procedures
  - Shared capacity building workplans to maximize integration and synergies for national actors
To be continued with you

Thank you for your kind attention