

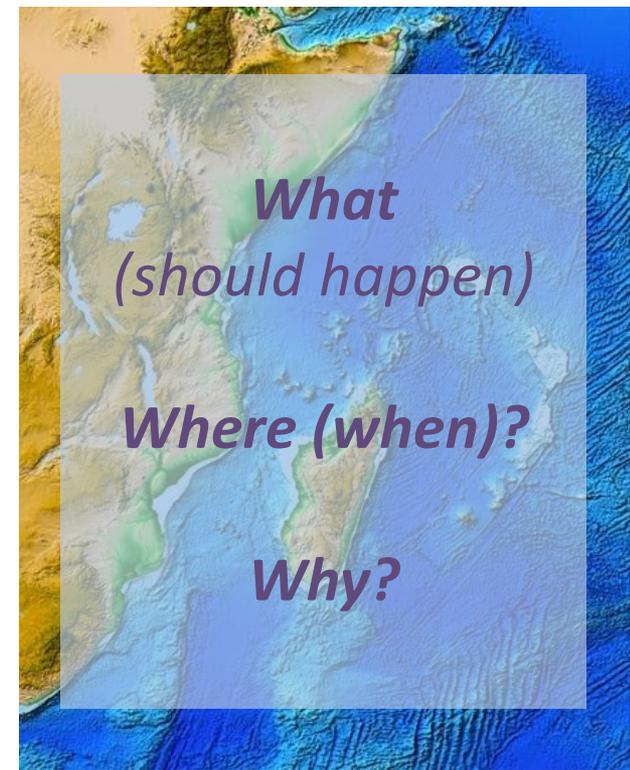
# Marine Spatial Planning in the Western Indian Ocean

## Aligning MSP in the WIO

WIOC Operational Strategy

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Partnership Meeting, 18 June 2015



*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”*

# MSP in the WIO:

## *Regional (full WIO)*

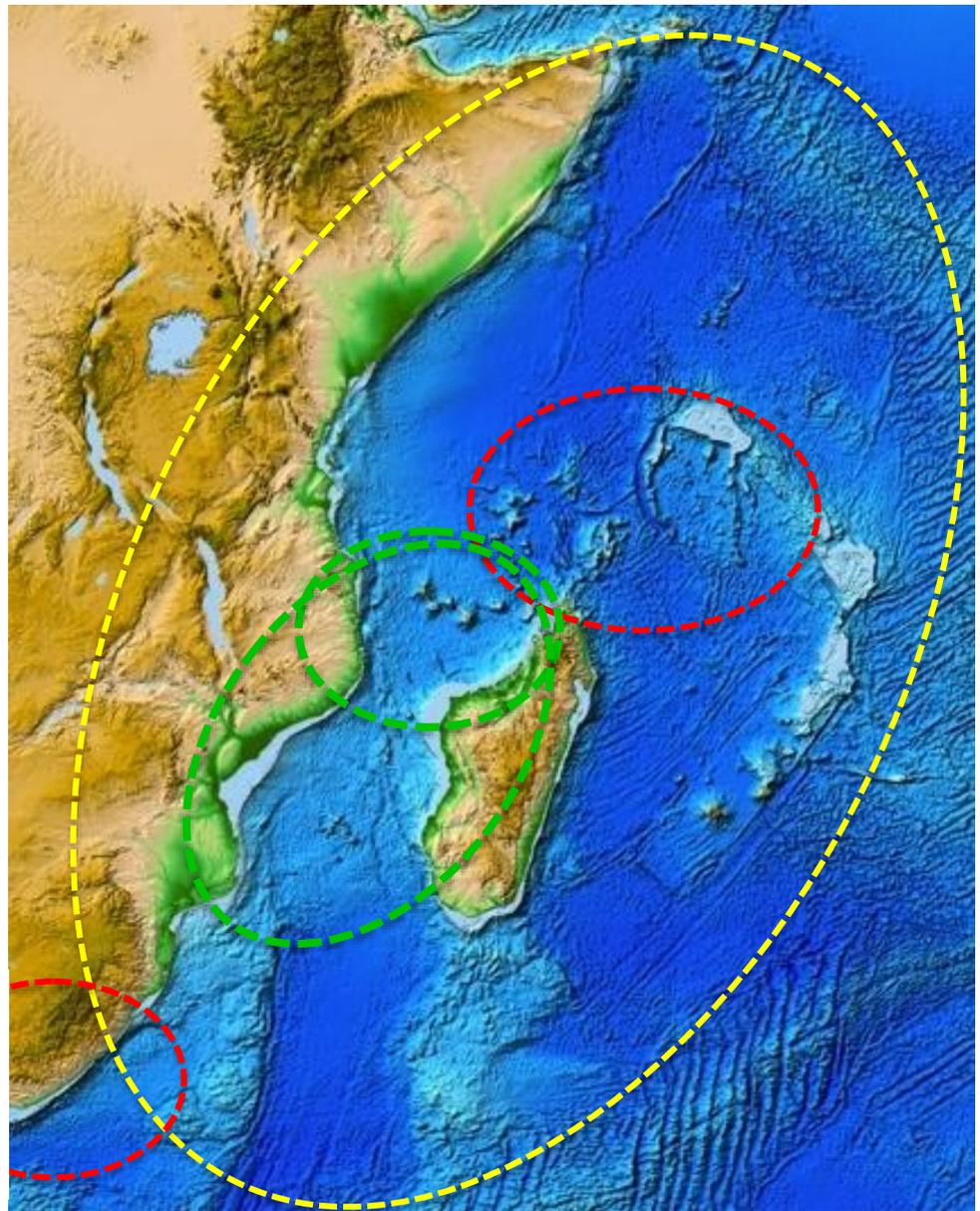
- WIOSAP (implementing the WIO Strategic Action Plan, UNEP/GEF)
- SAPPHIRE (support to policy harmonization, UNDP/GEF)
- CBD/Sustainable Oceans Initiative Partnership – capacity building.
- MSPWIO – compiling data/demonstrator on MSP (IUCN, CORDIO, AFD)

## *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)

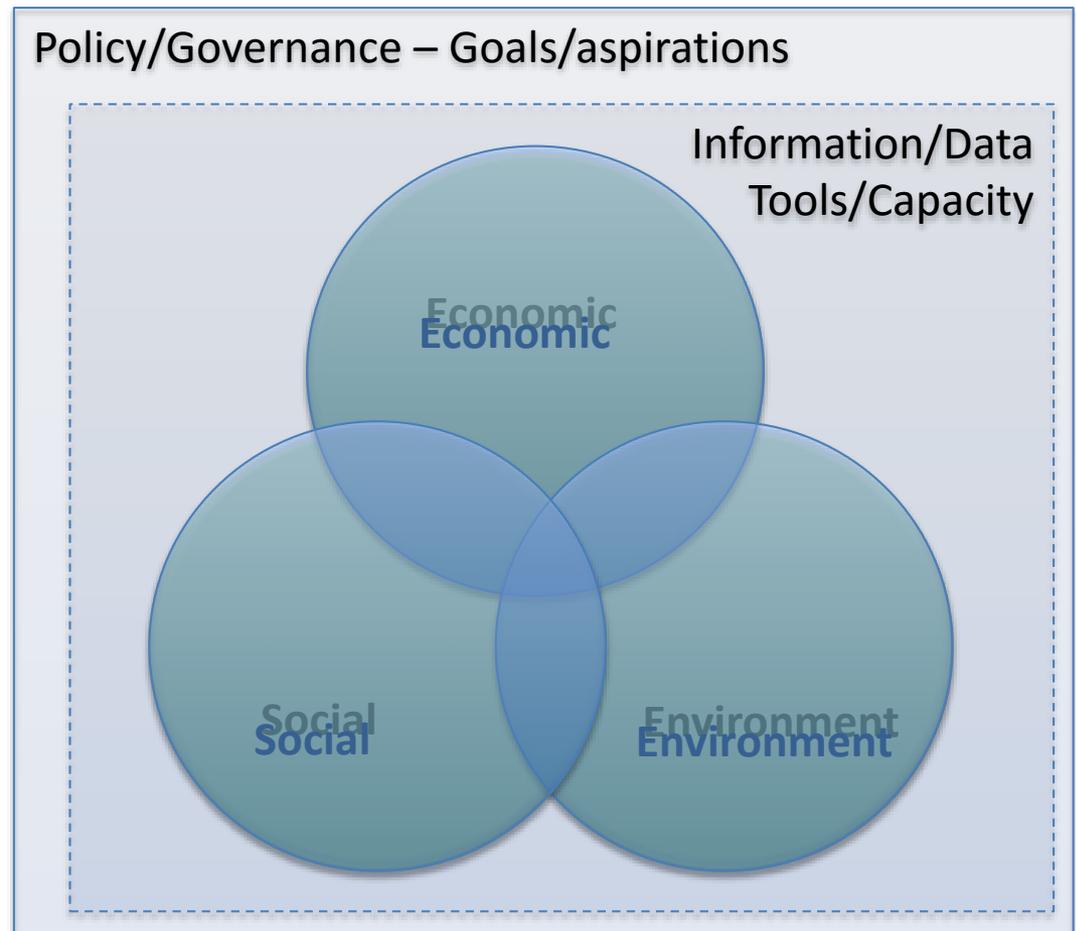


***How to align these efforts and share resources?***

## 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

### WIOSAP/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.

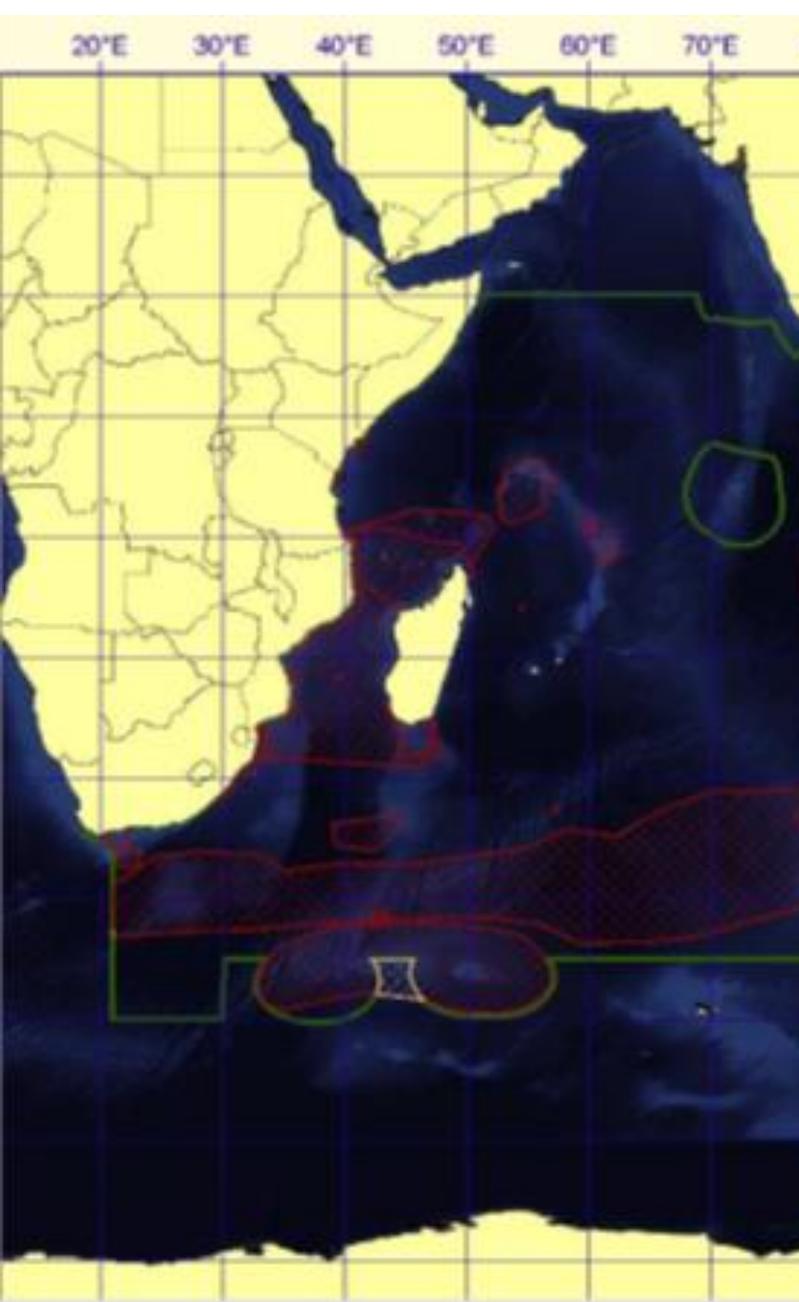
### ***Software and technical tools***

- 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 Douvère
  - 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***

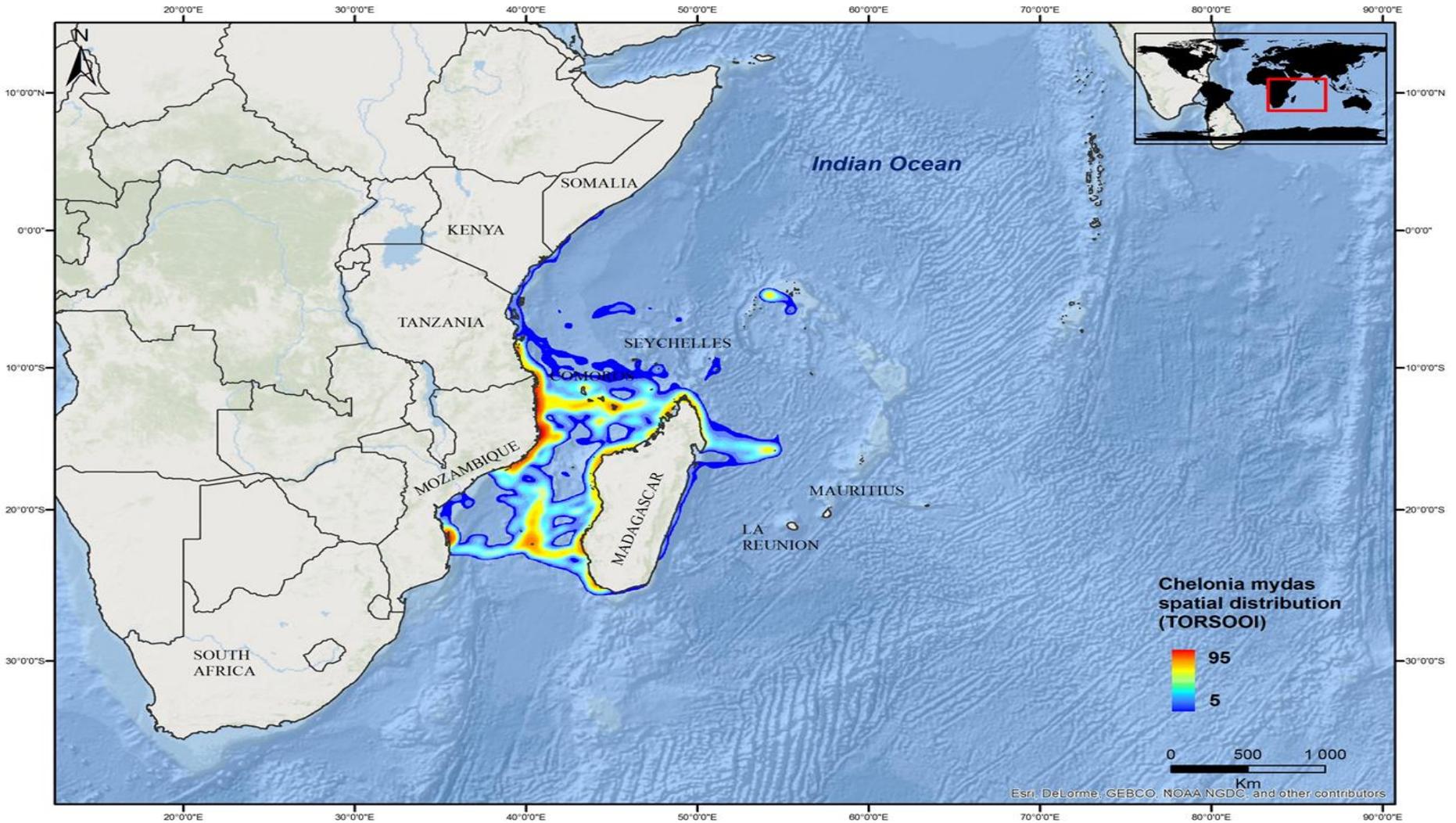
- Seed funding project
- Drawn up on interconnectivity & common needs

## ***Objectives/activities:***

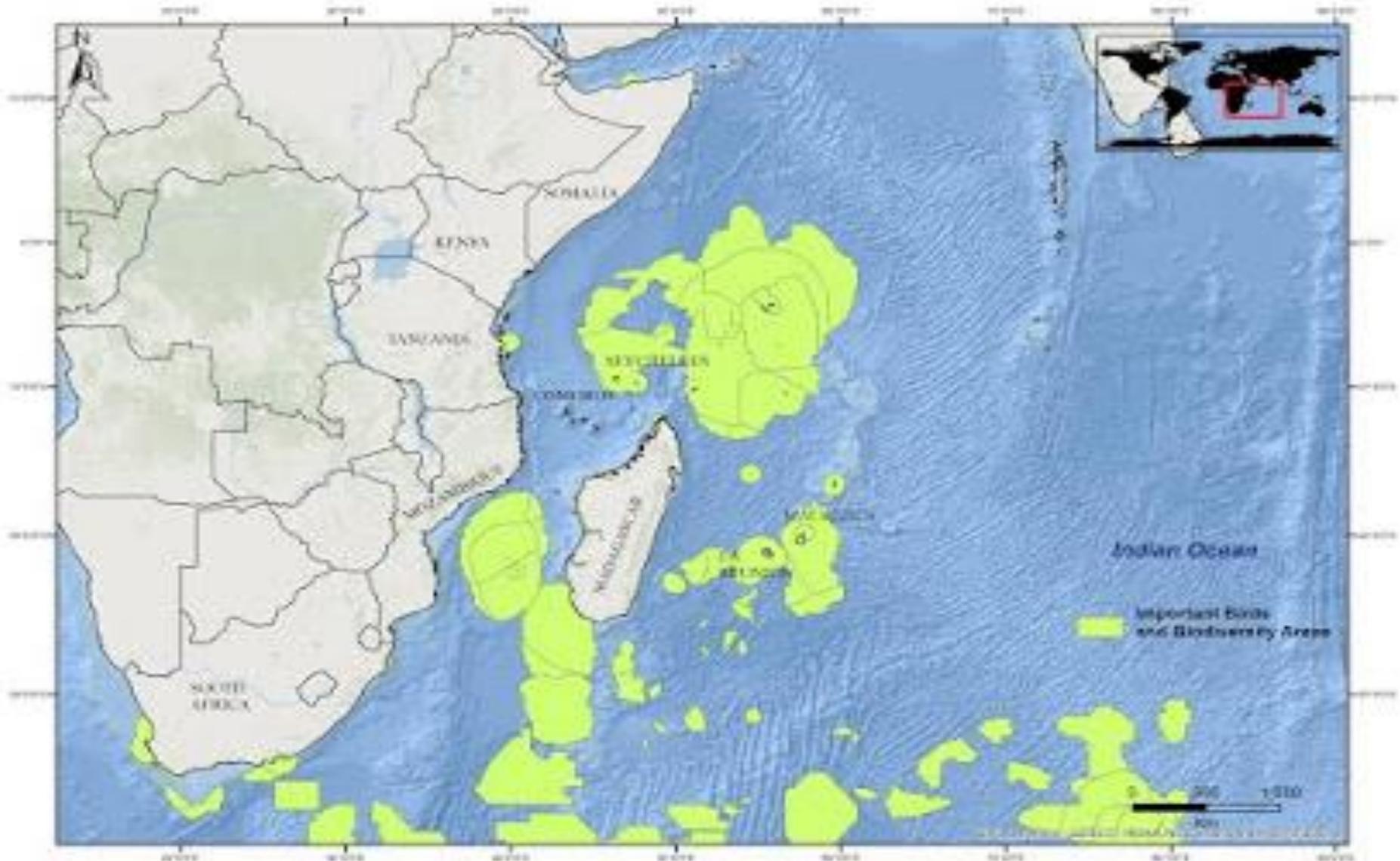
- Compiling data - Supporting information exchange, synergy and fostering coordination
- Contributing to build regional capacities :  
1st Workshop 2015
- Mapping - Highlighting areas of interest + integrated vision of challenges and opportunities
- Co-designing scenarios and Facilitating and sustaining 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***

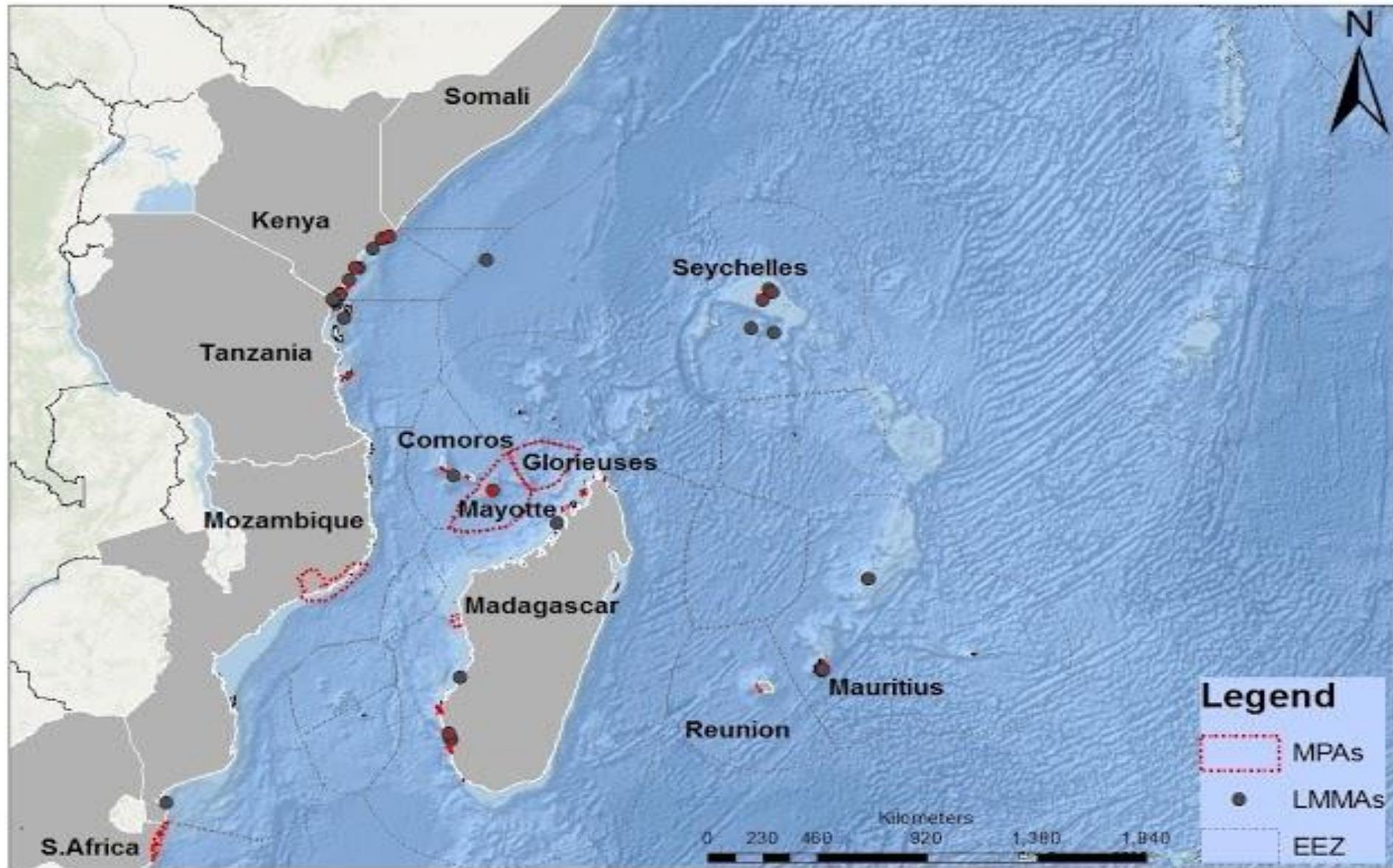
# Turtle density



# Important Birds Areas



# MPAs LMMAs

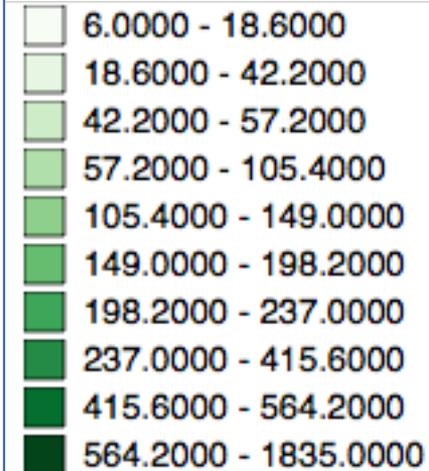


# Ecosystem services aggregate value

(NMCi EGS study)

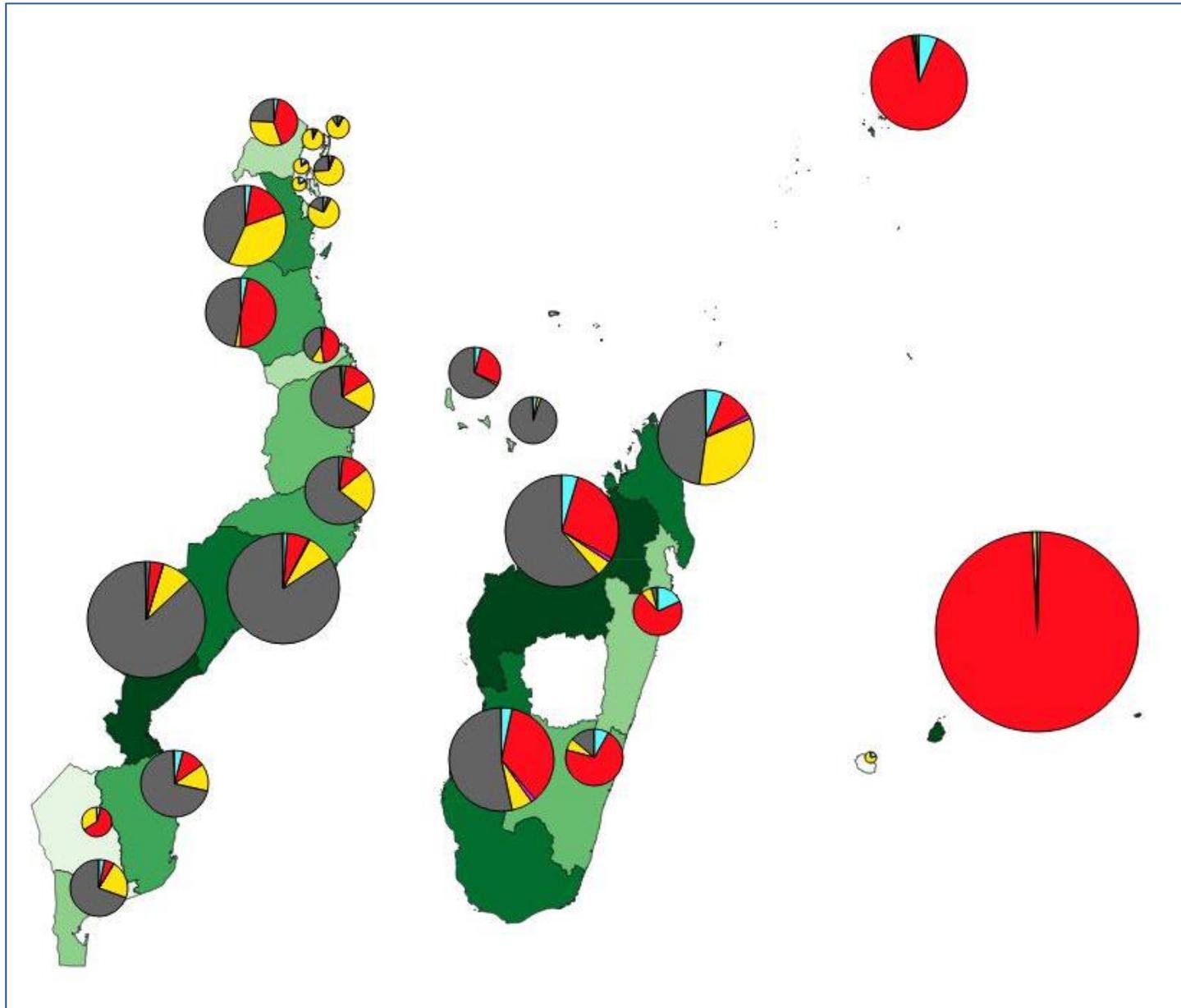
## Legend

Millions of US\$ per year

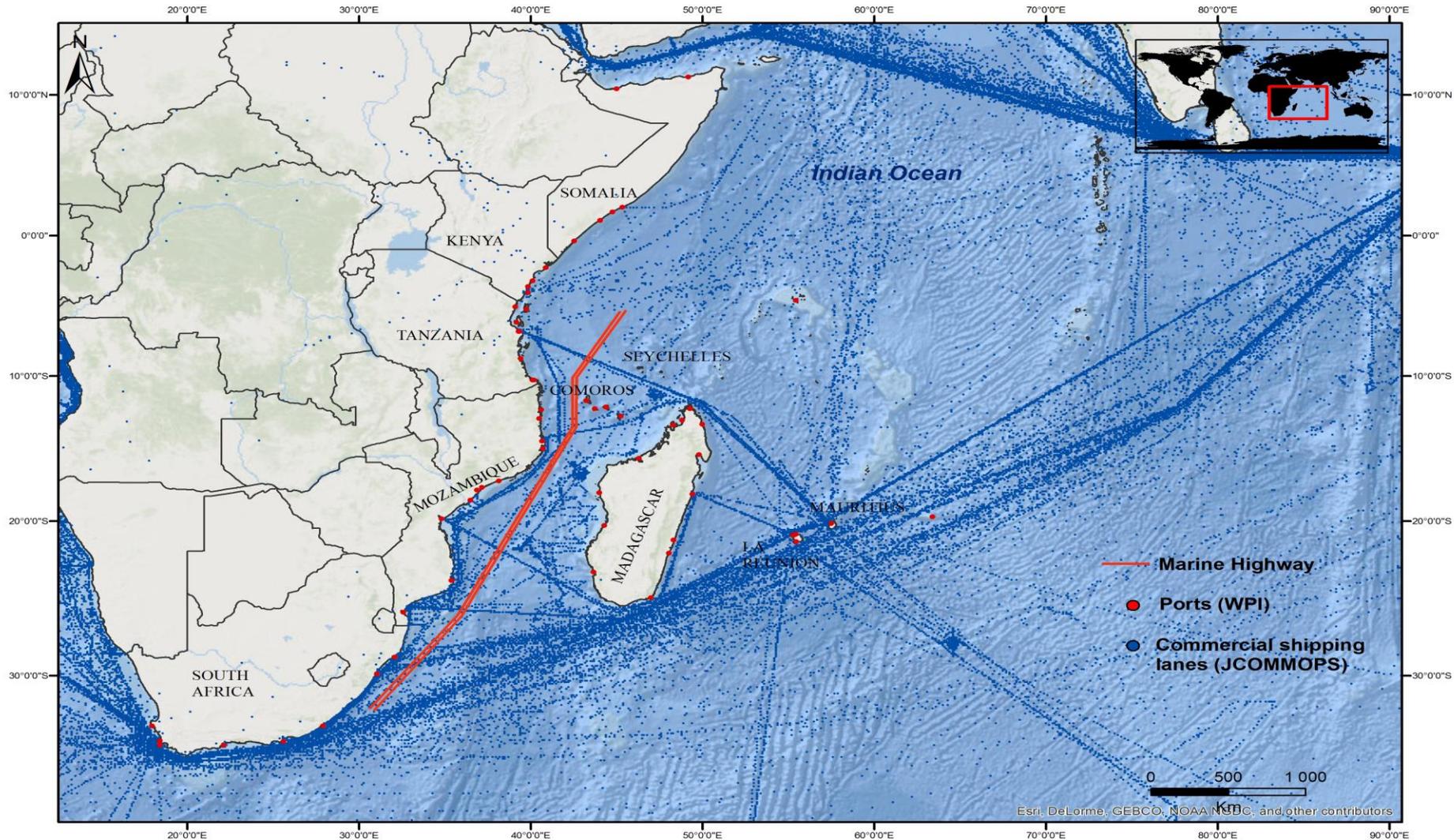


## Ecosystem service

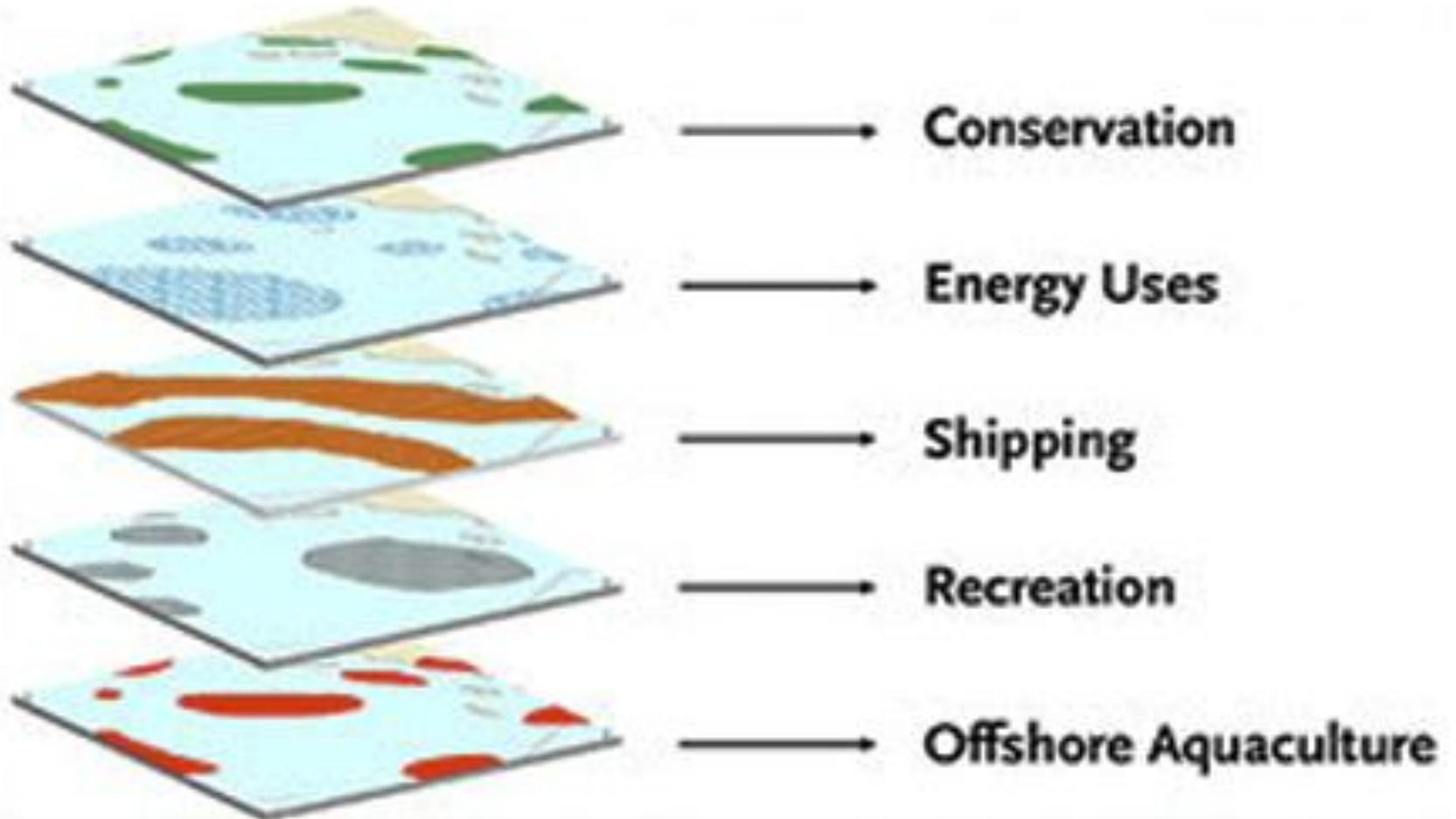
Protection  
Sequestrat  
Recreation  
Maricultur  
Tourism  
Fisheries



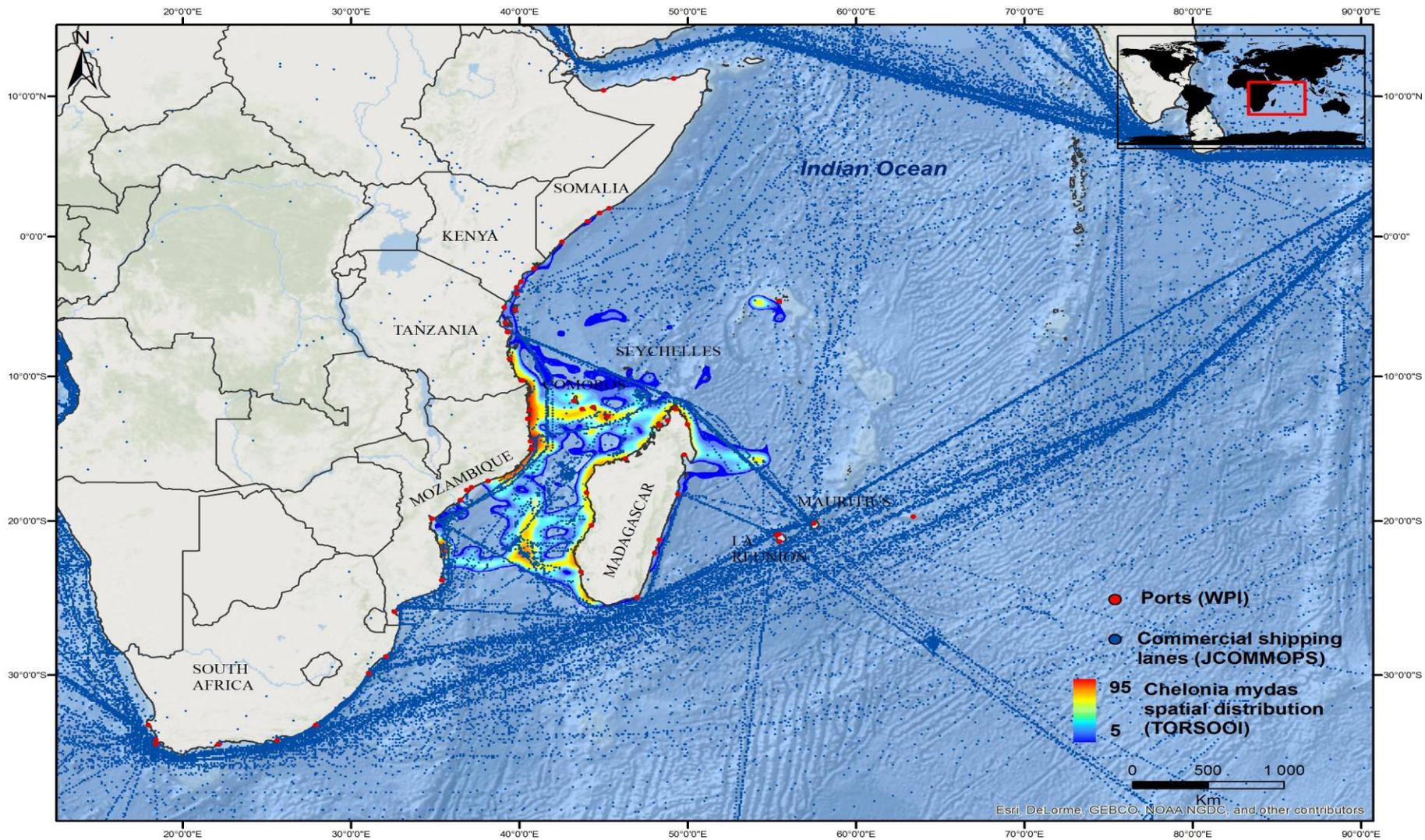
# Shipping Ports



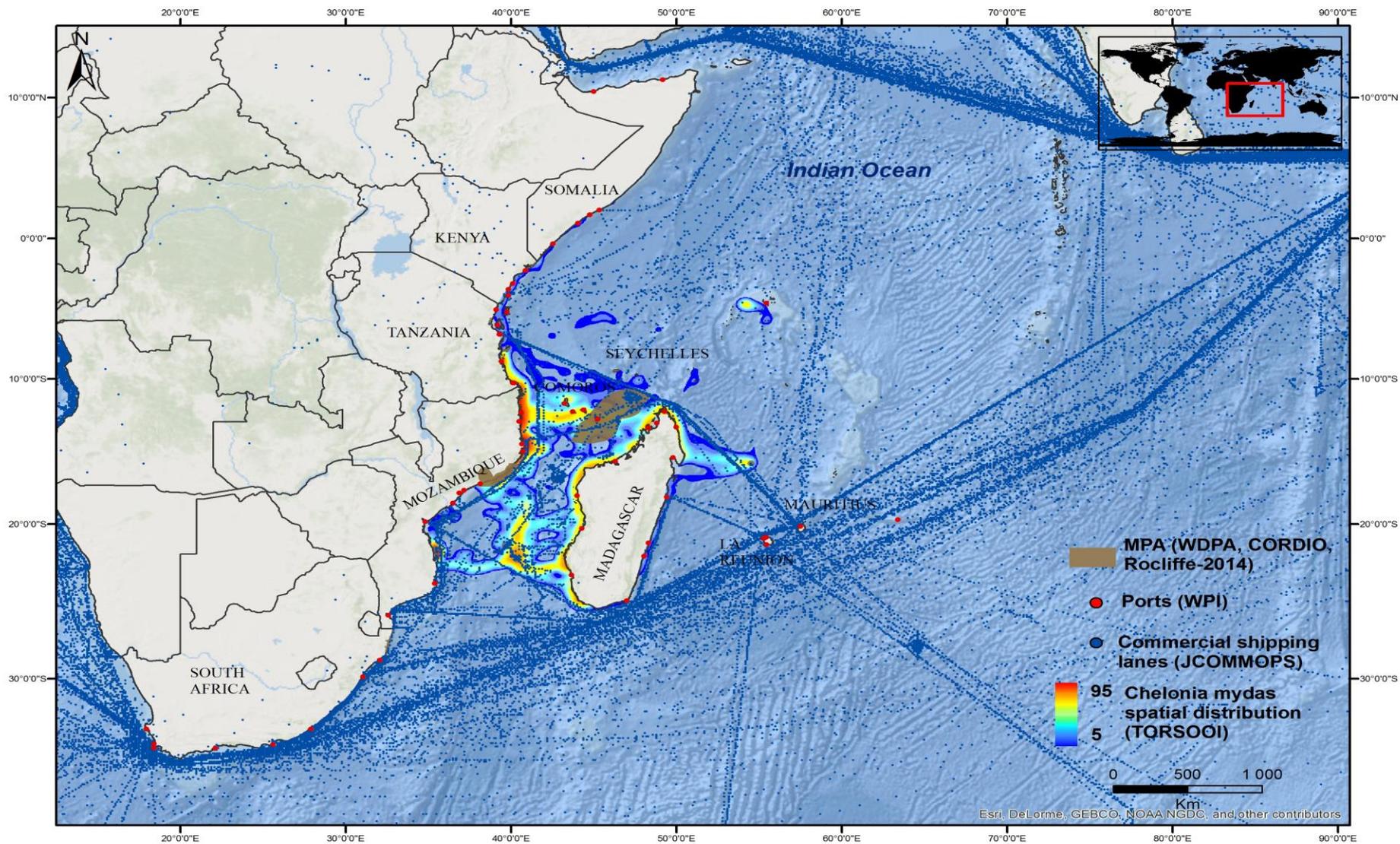
# Combining data: integrated vision



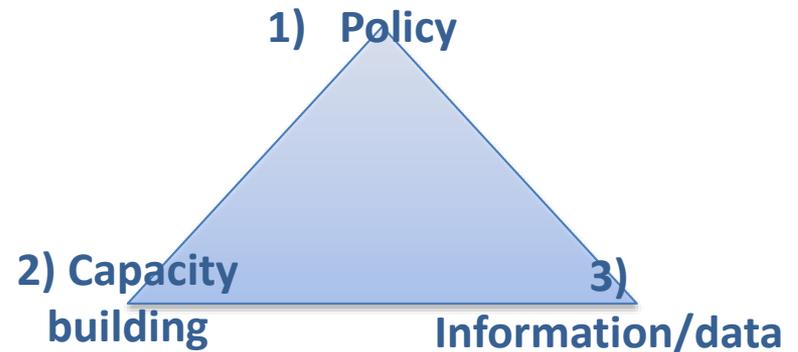
# 2 layers



# 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***

