



The Nairobi Convention for the Management and the Development of the Coastal and Marine is a Legal framework and platform for regional collaboration between countries, NGOs and the private sector



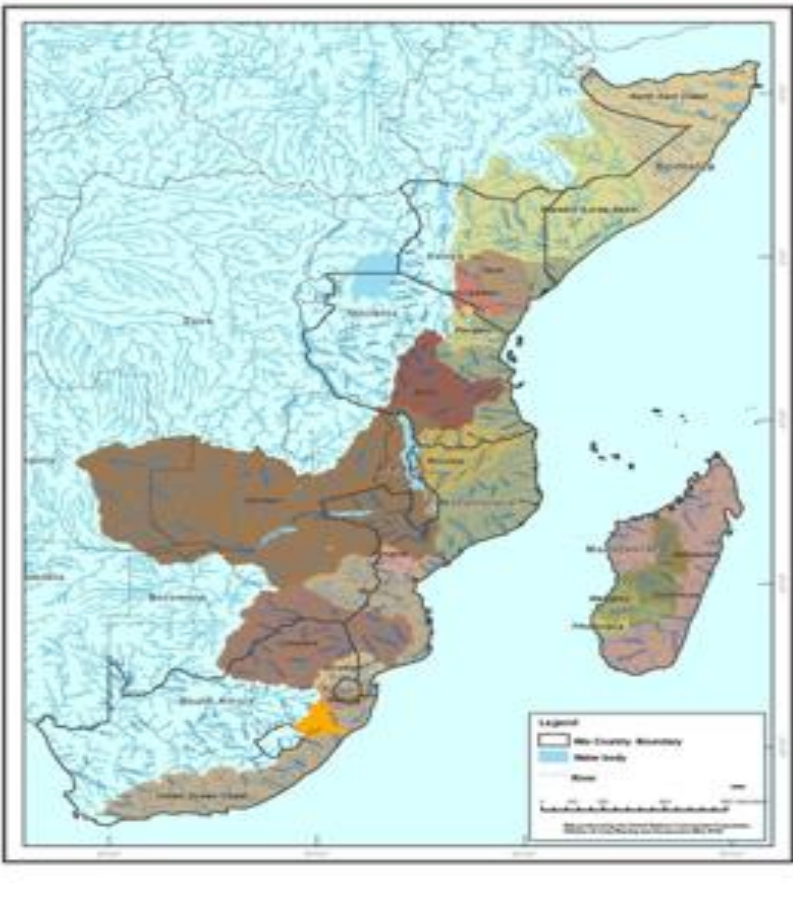
Nairobi Convention

Description

1. Legal framework and platform for regional collaboration
2. Platform for Governments to commit to protect, manage and develop the WIO resources
3. To develop country driven process/priorities executed through national and regional partnership

Contracting Parties:

- Comoros, France, Kenya, Madagascar, Mauritius, Mozambique, Seychelles, Somalia, South Africa and Tanzania



PROTOCOL CONCERNING CO-OPERATION IN COMBATING MARINE POLLUTION IN CASES OF EMERGENCY IN THE EASTERN AFRICAN REGION

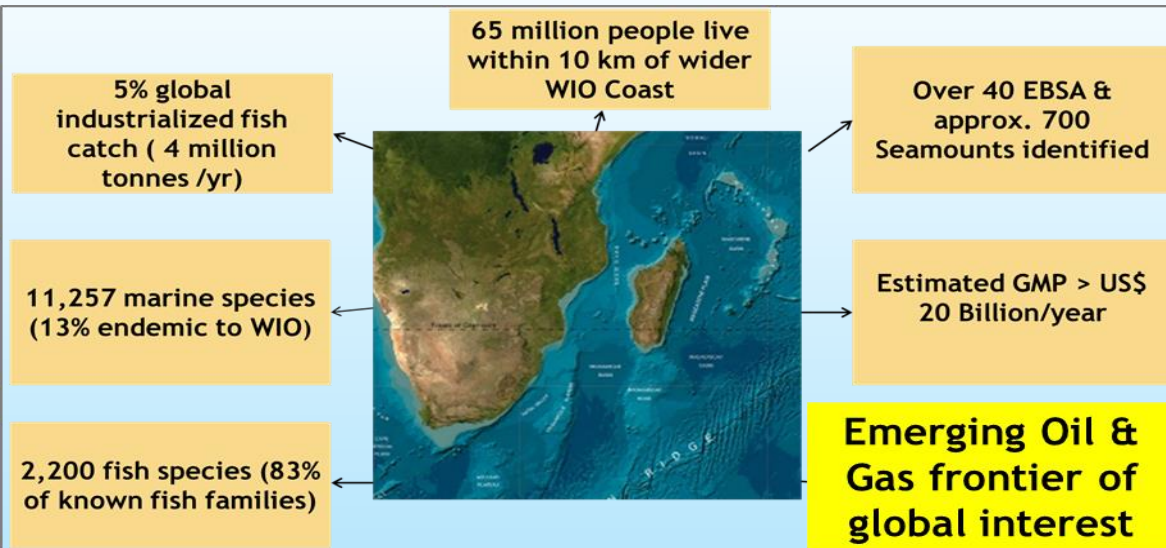


Article 3

GENERAL PROVISIONS

1. * The Contracting Parties shall, within their capabilities, co-operate in taking all necessary measures, both preventive and remedial, for the protection of the marine and coastal environment of the Eastern African region from marine pollution incidents.

Why the WIO Matters

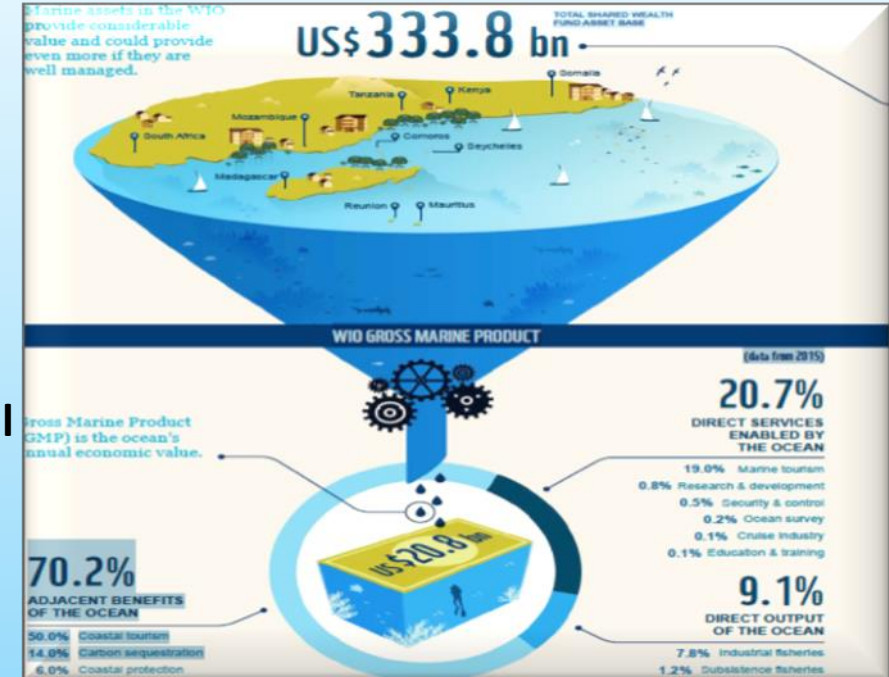


Increasing emphasis on the sustainable use of ocean and coastal resources for blue economy growth



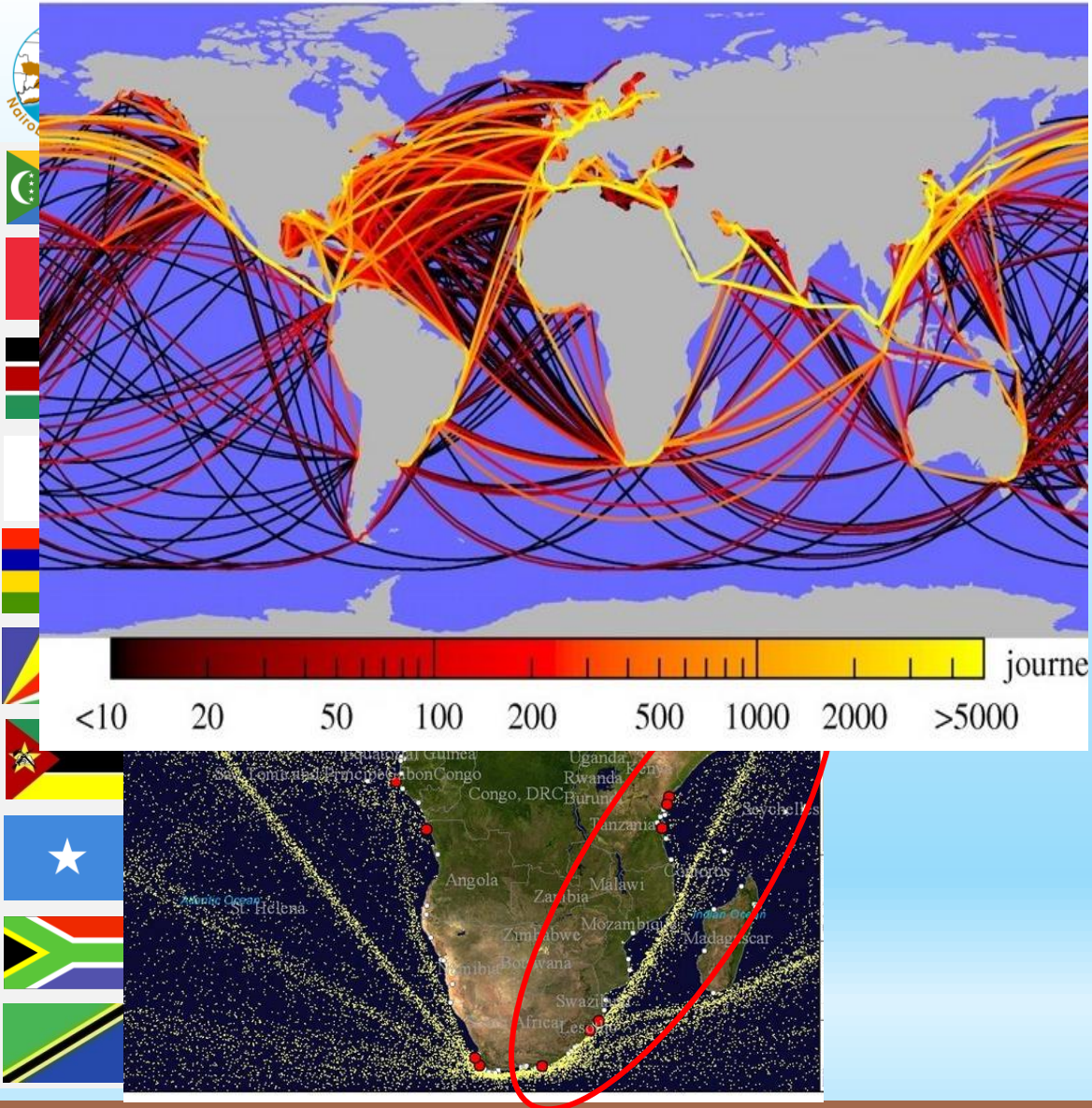
GROSS MARINE PRODUCT – 4TH IN WIO REGION

- Globally the ocean is valued at more than **US\$24 trillion**;
- However, its actual value is likely to be much higher because many key ecosystem services are difficult to quantify



Economic value of the goods and services estimated at over US \$20 billion per year with an asset base of US\$ 333.8 billion

MARINE HIGHWAYS



30% of global oil tanker traffic passes through the **Mozambique Channel**

6% of the world's trading fleets travel to ports in the Indian Ocean

With the development of oil and gas exploitation, the scale of shipping operations will significantly increase

MARINE SPILL PREPAREDNESS INITIATIVES



**REGIONAL OIL AND GAS CAPACITY
BUILDING PROGRAMME FOR THE
NAIROBI CONVENTION**



**Nairobi Convention Focal Points Meeting - 12
April 2017**

**Capacity Building for Oil & Gas
in the WIO Region and the
Regional Workshop for Oil &
Gas Emergency Preparedness**



**Oil Pollution Preparedness,
Response and Cooperation
June 2018**

Annex 1: Regional Workshop on Oil Pollution Preparedness, Response, and Cooperation (IMO Level 2 Model Course)
05-08 June, 2018
Workshop Highlights and Summary of Discussion Outputs

**Oil Pollution Preparedness,
Response and Cooperation
November 2018**

Annex 1: Eastern Africa Regional Training on Oil Pollution: Shoreline Assessment and Response
06-09 November, 2018
Workshop Highlights



**Guidelines for Impact Assessment in the Western
Indian Ocean Region**





WESTERN INDIAN OCEAN
GEF - MARINE HIGHWAY DEVELOPMENT AND COASTAL
AND MARINE CONTAMINATION PREVENTION
SITUATION MAP OF THE PROJECT

- SURVEYED ROUTE
- LIGHTHOUSES
- AIS BASE STATIONS/AIS MONITORING STATIONS
- SURVEYED PORT APPROACHES
- MRCC
- ★ NATIONAL CAPITALS
- INTERNATIONAL BOUNDARIES

Past Efforts

Marine Highway Project (2007-2011)

- GEF funded (US\$ 11.0M)
- Implementing agencies: Indian Ocean Commission & South African Maritime Safety Authority
- Objectives
 - ✓ Increase safety & navigation efficiency
 - ✓ Minimize risk of ship-based environmental contamination
 - ✓ Strengthen country capacity to respond to oil or chemical spill emergencies in the region

DEVELOPMENT OF AN OIL AND GAS INDUSTRY

Decision CP.9/8.2: ... implement the regional oil and gas capacity-building program, with specific reference to resource and data management, environmental and social safeguards and management, safety management

Decision CP.9/8.3: ...support the Contracting Parties in their efforts to enhance partnerships in developing and harmonizing regional mechanisms for compliance, monitoring and response in oil and gas activities.....

Decision CP.9/8.4: consider for implementation, as appropriate, the reactivation of the subregional centre on combating marine pollution from oil spills and hydrocarbons....

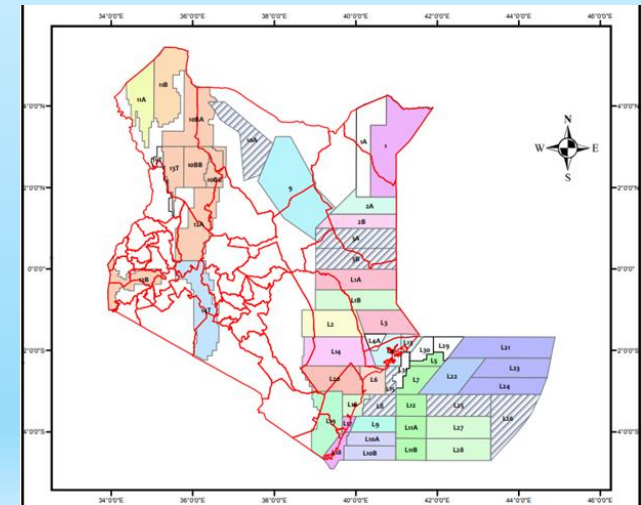
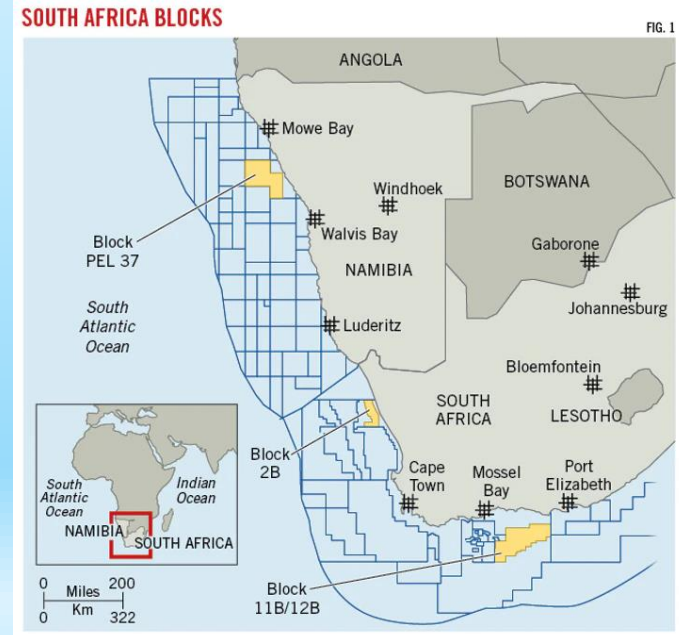
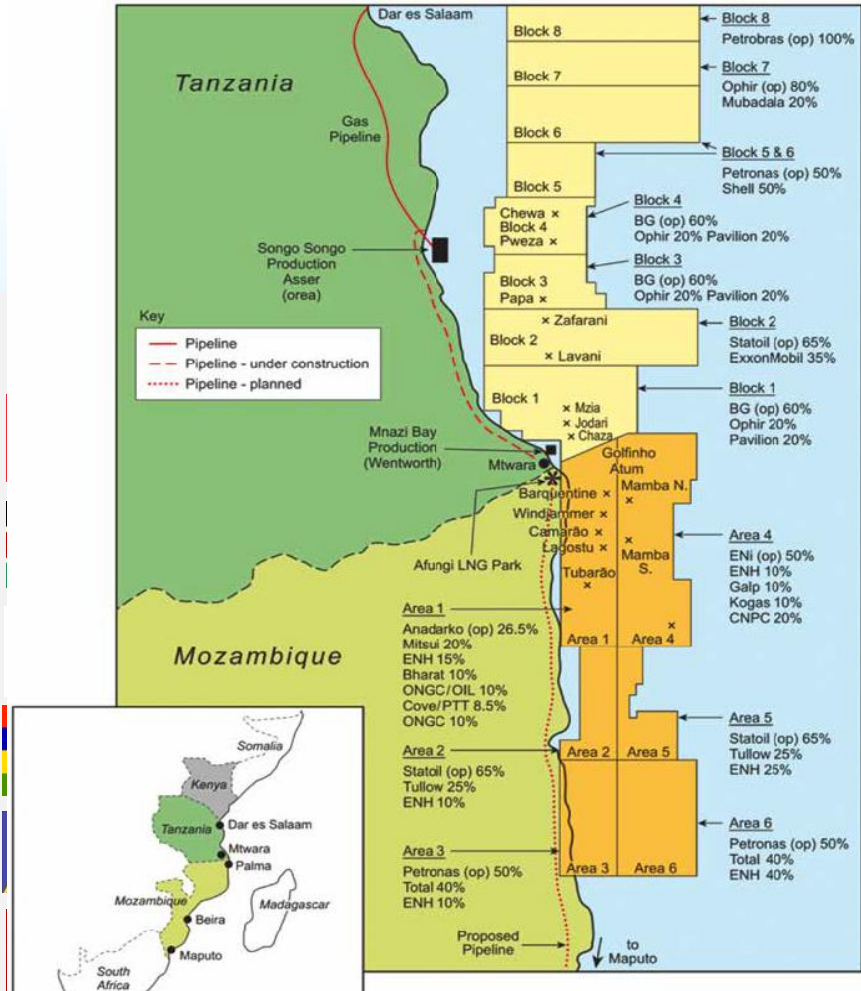


RECENTLY OFFSHORE DISCOVERIES

Tanzania:- Confirmed **90 trillion cubic feet** of natural gas reserves

Mozambique:- Discovered an estimated **130 trillion cubic feet** with a potential of an additional **150 trillion cubic feet**

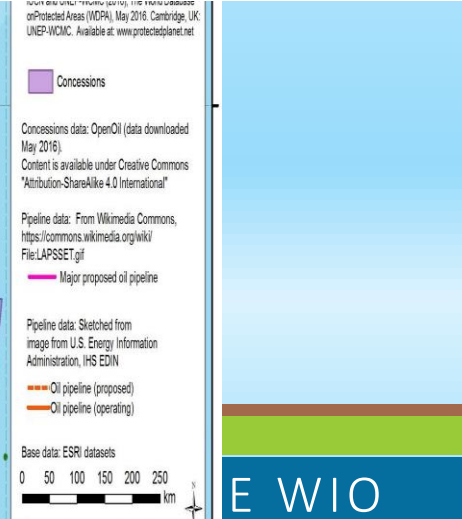
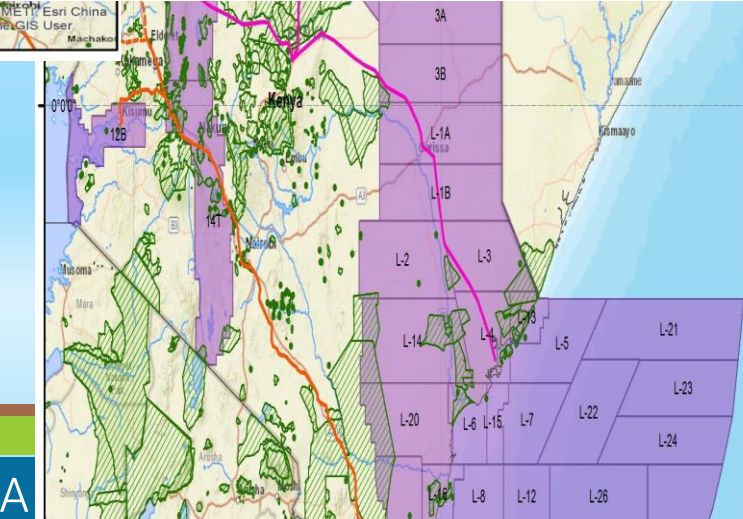
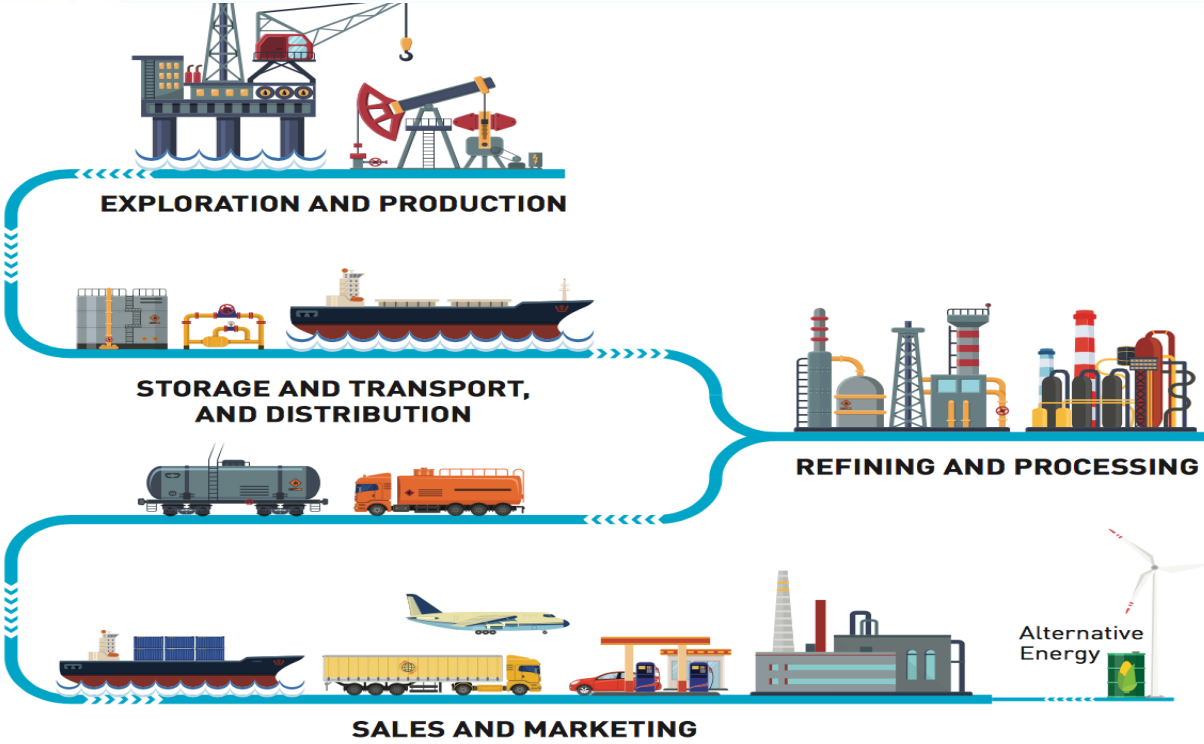
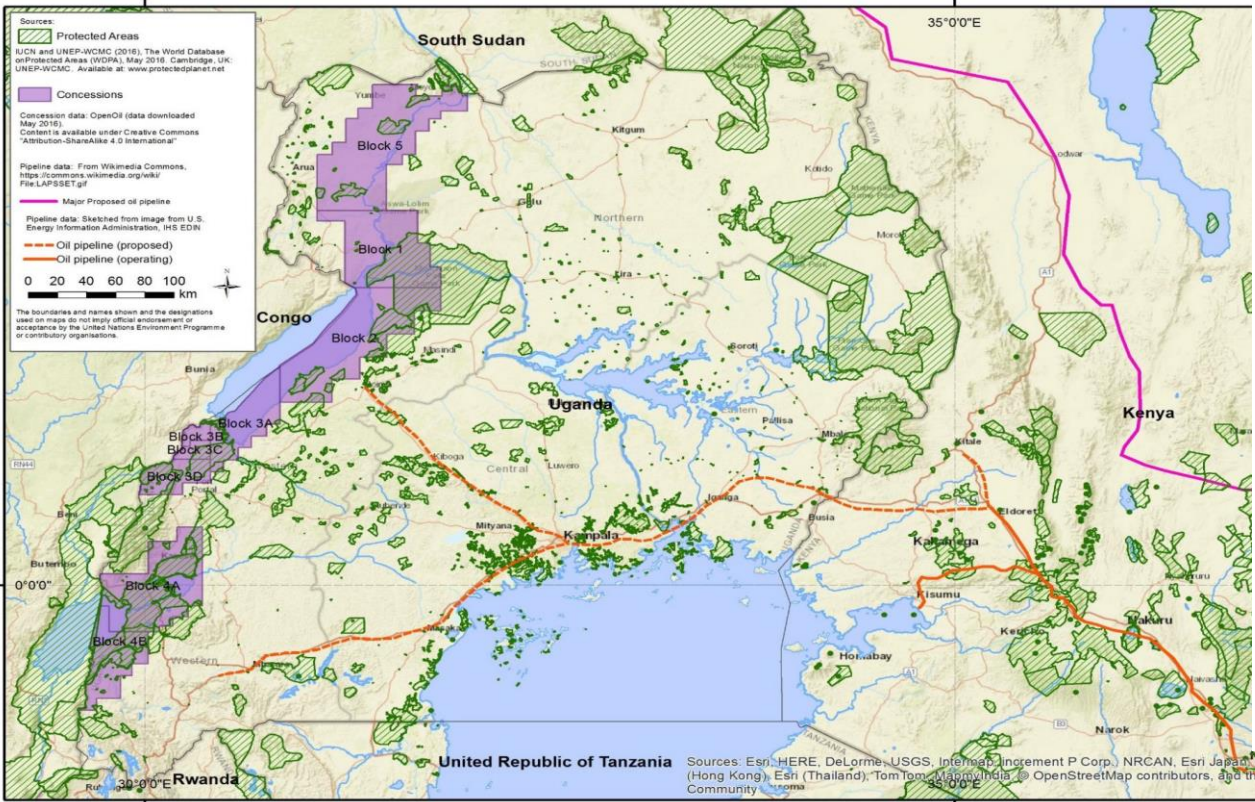
Madagascar:- Estimated combined resources of **20 billion barrels of oil**



Oil and Gas Exploration in South Africa

Oil and Gas Exploration in Kenya

INFRASTRUCTURE REQUIREMENTS FOR OIL GAS INDUSTRY





Habitat Destruction



Loss of Aesthetic Value (Loss of Tourism)



Biodiversity loss



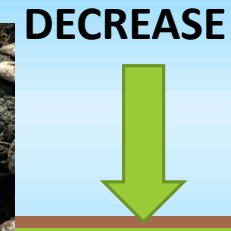
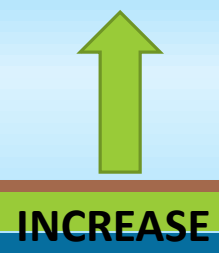
Millions spent in spill management



Maximizing Benefits, Reducing impacts

Key priority areas to consider:

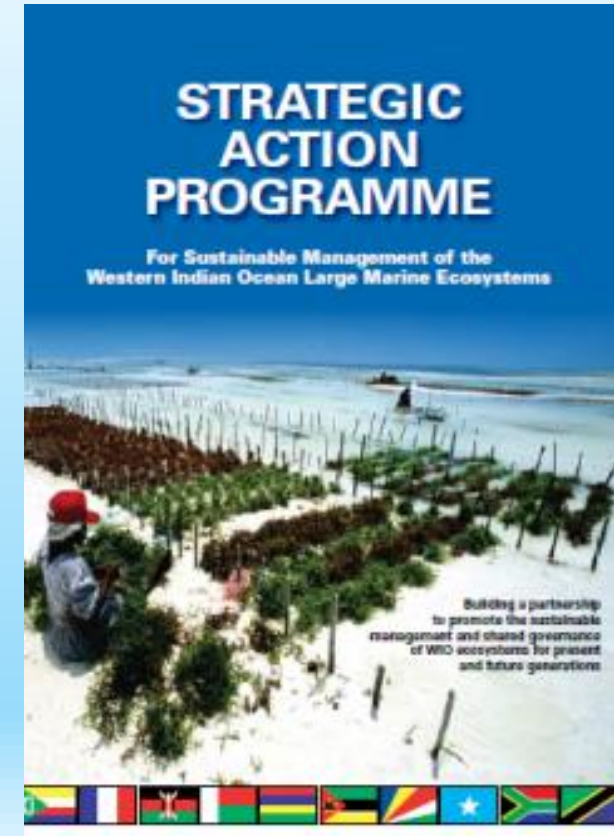
- Close cooperation of multi-sectoral authorities (environmental, petroleum, energy, fisheries)
- Adequate policy frameworks (national & regional)
- Adequate scientific knowledge on environmental conditions to inform governance options
- Transparency and Ethics in operations and transactions between Oil and Gas industry, government and local community
- Need for Transboundary EIA and SEAs
- Need for integrated Ecosystem Based Management



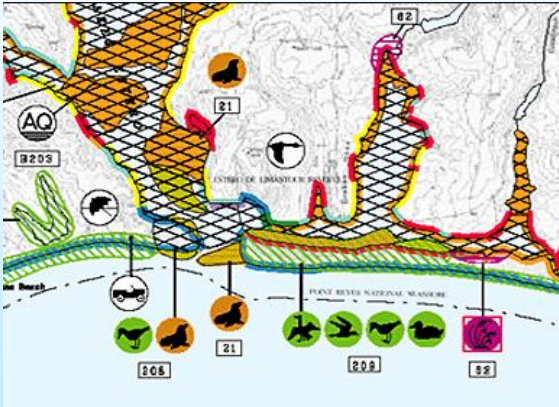
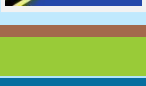
What are we doing?

SAPPHIRE Project

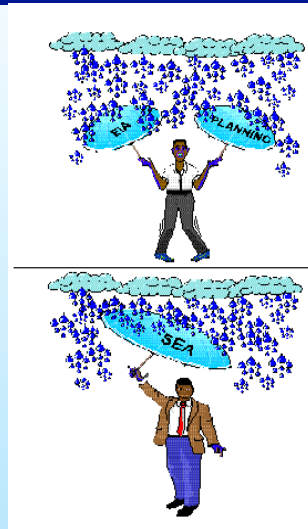
- Deliverable 3.1.5: Address potential impacts of growing Oil & Gas development in the region through:
 - ✓ Support to development and implementation of a full Strategic Environmental Assessment of Oil & Gas development
 - ✓ Negotiate the identification and implementation of a Regional Response Center which can effectively coordinate regional responses on a transboundary scale



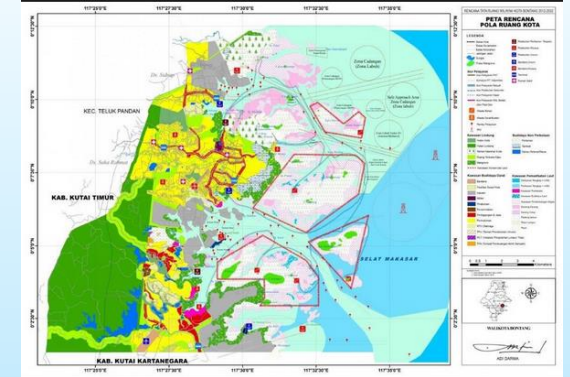
Tools for mitigating Environmental costs in Oil and Gas industry



Sensitivity Maps



Strategic Environmental Assessments



Spatial Planning (zoning)



Emergency Response plans
(Environmental & Social
Safeguards/Standards)





Environmental Impact Assessments

PROJECTS BACKGROUND AND LINKAGES

SAPPHIRE Project



WIO LME SAPPHIRE Project Document

United Nations Development Programme
Country: Regional - Governments of Comoros, Kenya, Madagascar, Mauritius, Mozambique, Seychelles, Somalia, South Africa, Tanzania

Empowered lives. Resilient nations.

Project title: The Western Indian Ocean Large Marine Ecosystems Strategic Action Programme Policy Harmonisation and Institutional Reforms (WIO LME SAPPHIRE)		
Countries: Regional - Governments of Comoros, Kenya, Madagascar, Mauritius, Mozambique, Seychelles, Somalia, South Africa, Tanzania	Implementing Partner: UNDP (Mauritius CO)	Management Arrangements: Direct Implementation through Mauritius Country Office with the Nairobi Convention Secretariat (UNEP) as a Responsible Party

Promote **policy harmonization** in the WIO region to achieve effective long-term ecosystem management in the WIO Large Marine Ecosystems



Component 3: Stress Reduction through Private Sector/Industry Commitment to transformations in their operations and management practices

Deliverable 3.1.5:negotiate the identification and implementation of a Regional Response Centre, coordinate regional responses to emergencies, response to oil and gas and other marine pollution incidents



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