

# Towards Sustainable Port Development in Western Indian Ocean

## Overview of Project



16 & 17 August 2022

Stakeholder meeting, Dar es Salaam, Republic of Tanzania

# Core Partners



# Purpose and Terms of Reference

Seek sustainable port development in WIO in response to Conference of Parties (COP) decision:

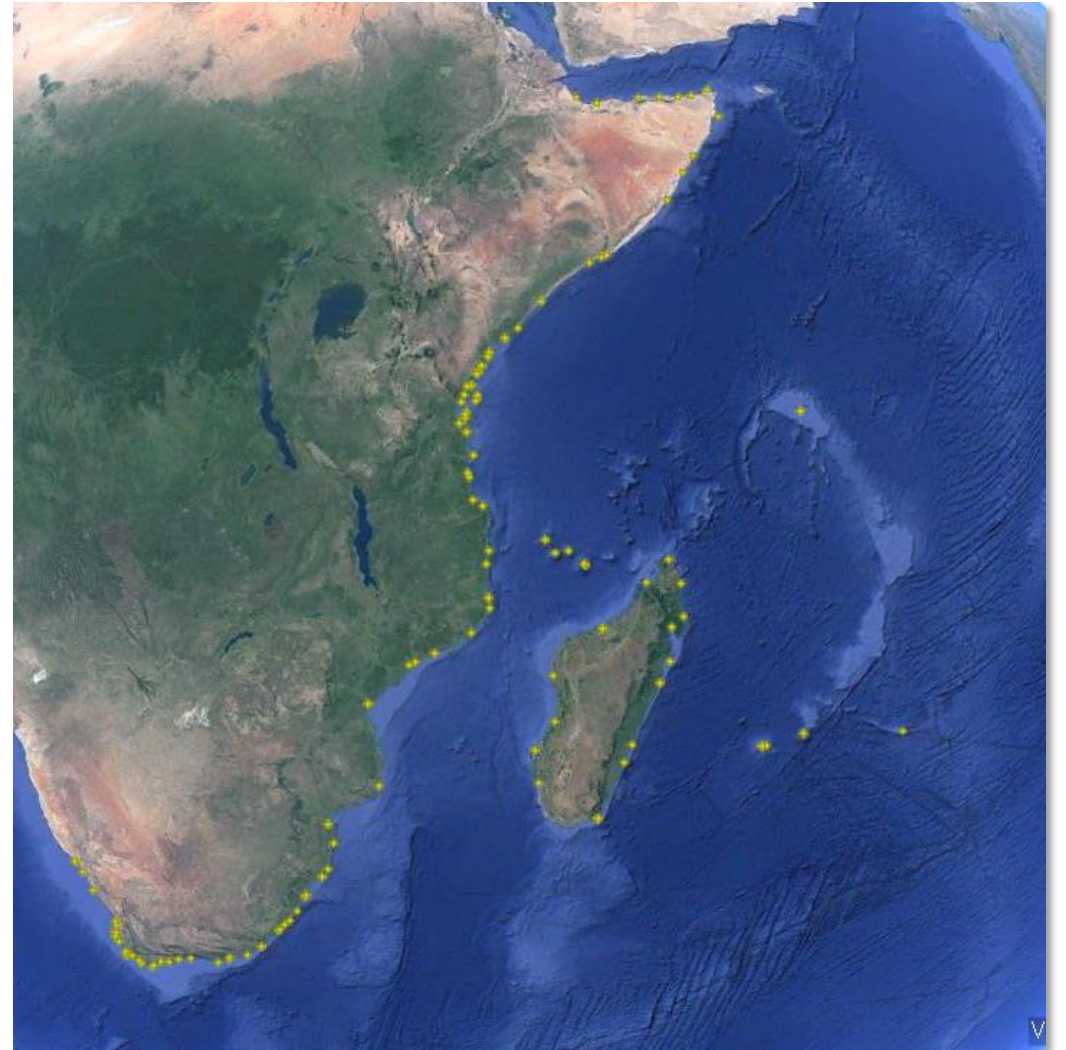
*Decision CP.9/13. Enhancing cooperation, collaboration and support with partners: To request secretariat, in collaboration with IMO, PMAESA and other partners, to undertake a baseline study and scenario analysis, and develop a toolkit for green port development and expansion in Western Indian Ocean region*

Therefore , Terms of Reference:

- Conduct Situation Assessment – Baseline study
- Conduct Scenario Analysis
- Develop Toolkit for Green Port Development
- Prepare Policy Brief

# Situation Assessment

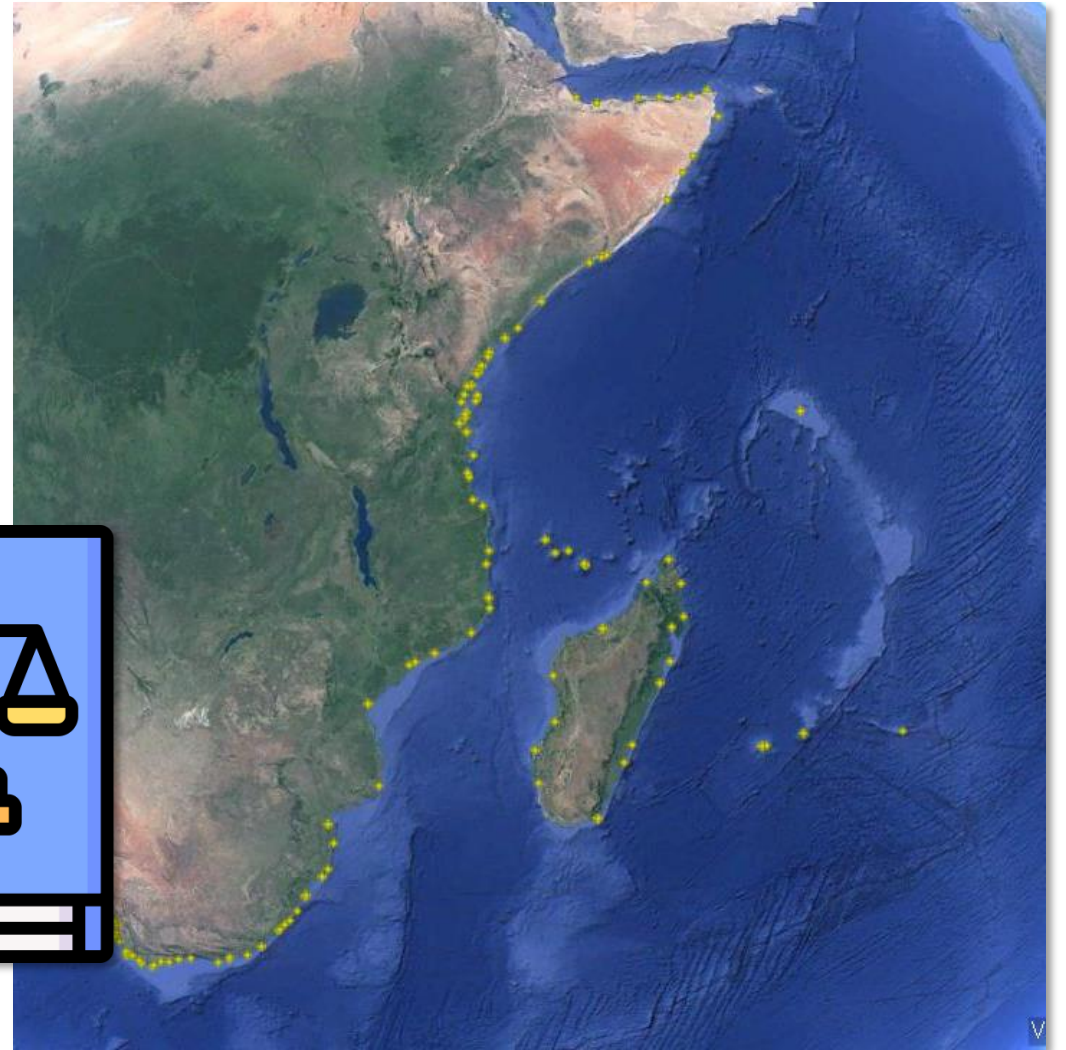
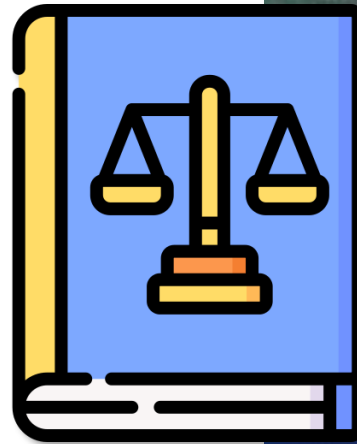
- Overview of Ports in WIO region





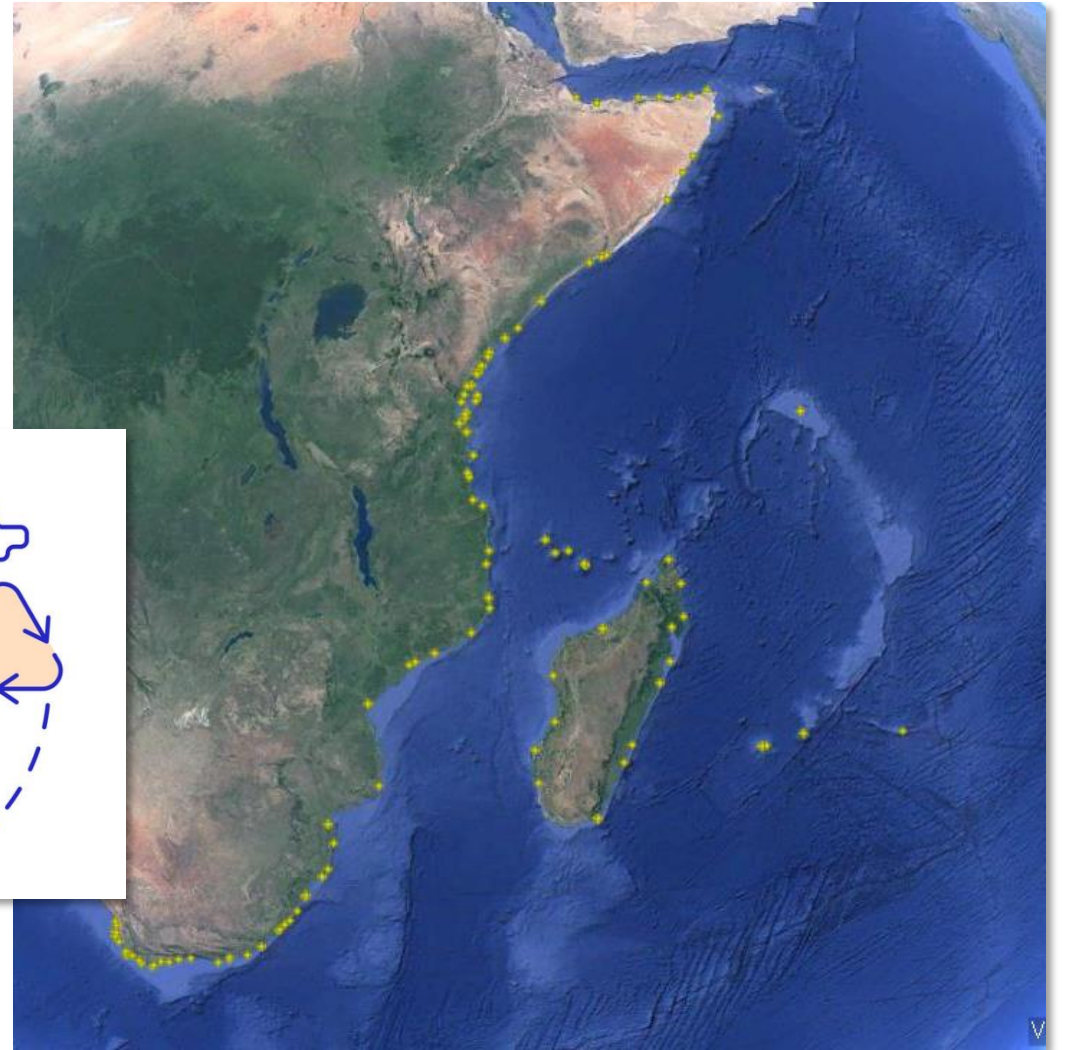
# Situation Assessment...

- Overview of Ports in WIO region
- **Port Legislation & Authorities**



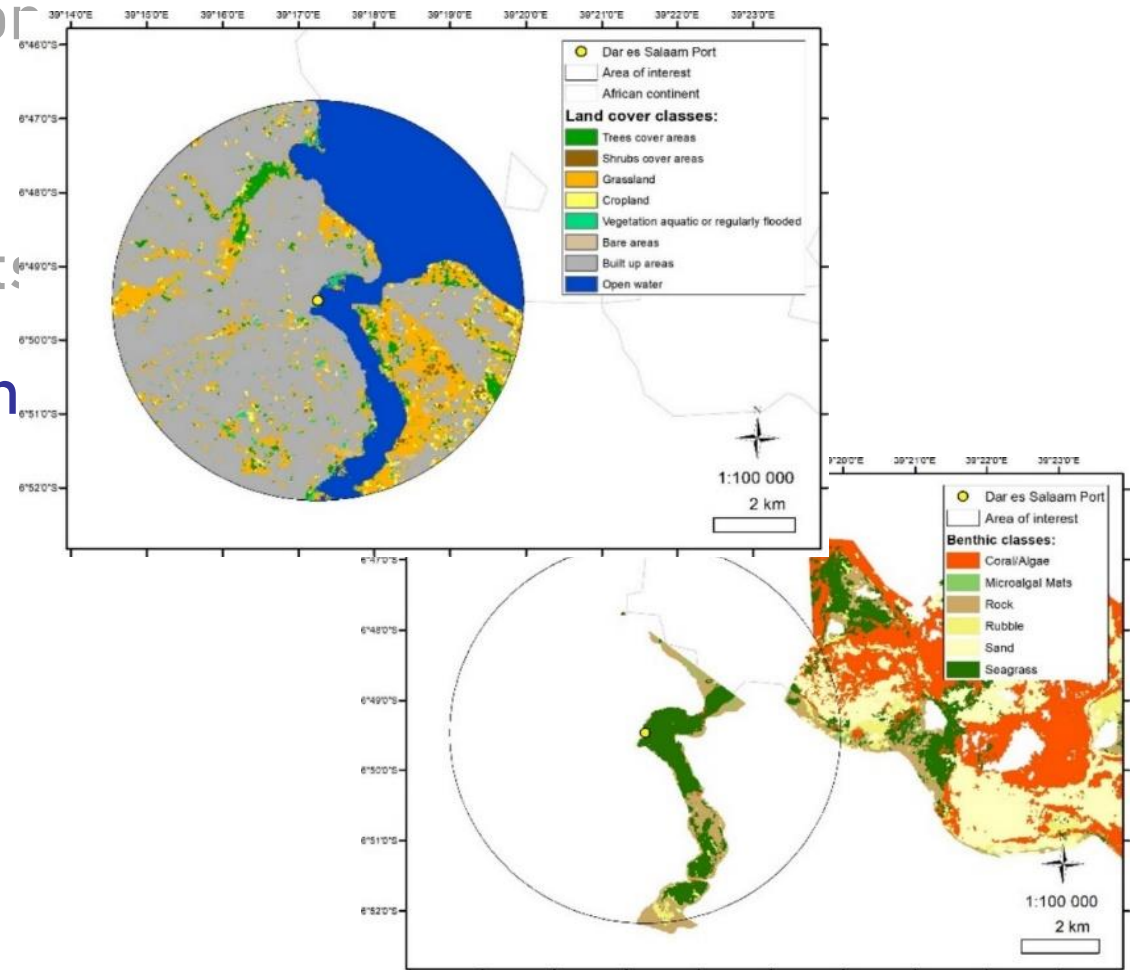
# Situation Assessment...

- Locality and overview of Ports in WIO region
- Port Legislation & Authorities
- **Environmental Impacts associated with Ports**



# Situation Assessment...

- Locality and overview of Ports in WIO region
- Port Legislation & Authorities
- Environmental Impact associated with Port.
- **Spatial overlays of major ports vs important ecosystems**



# Situation Assessment...

- Locality and overview of Ports in WIO region
- Port Legislation & Authorities
- Assessment of Environmental Impact associated with Ports
- Spatial overlay of major port vs important ecosystems
- **Concept of Sustainable 'Green' Ports**

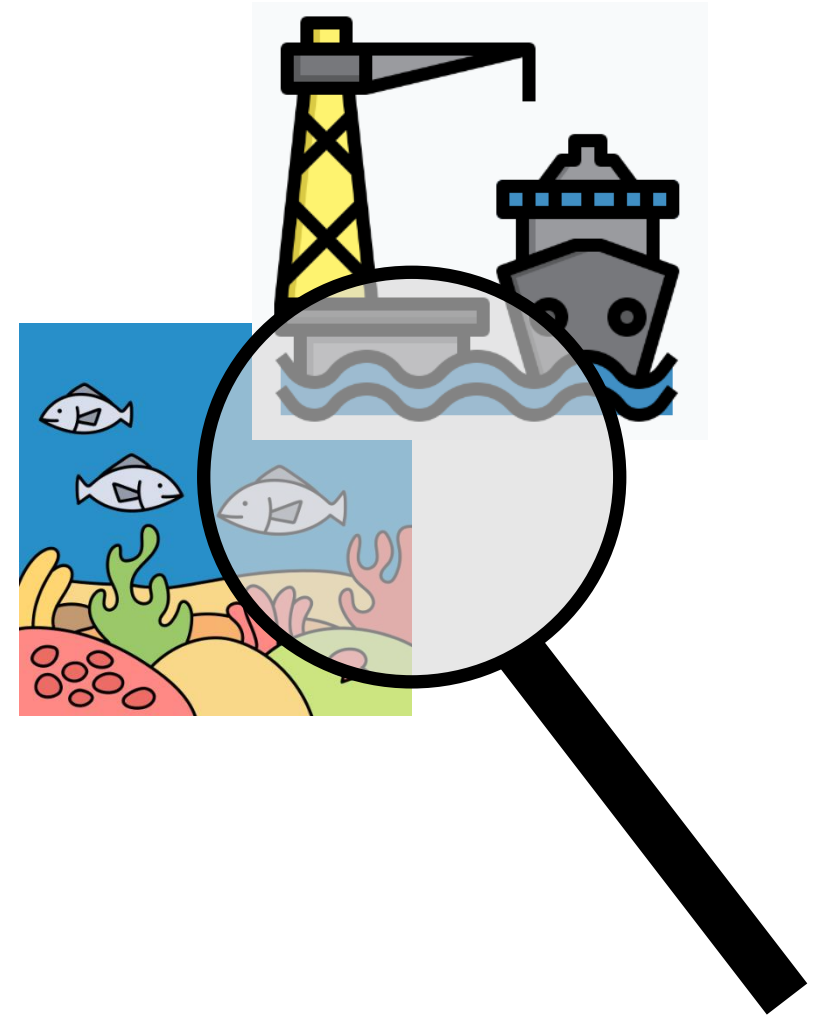


**NB: Provide insight into type of 'Tools' to include in Green Port Toolkit**



# Scenario Analysis

- Overview of International approaches
- Proposed Approach for WIO Region
- Driving Forces (factors likely to influence future port planning and development in WIO)
- Sustainability Indicators (to compare possible outcomes)

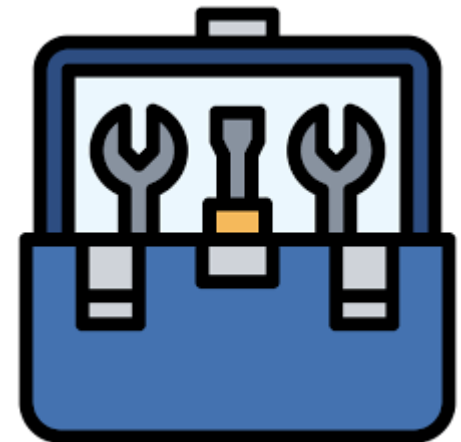
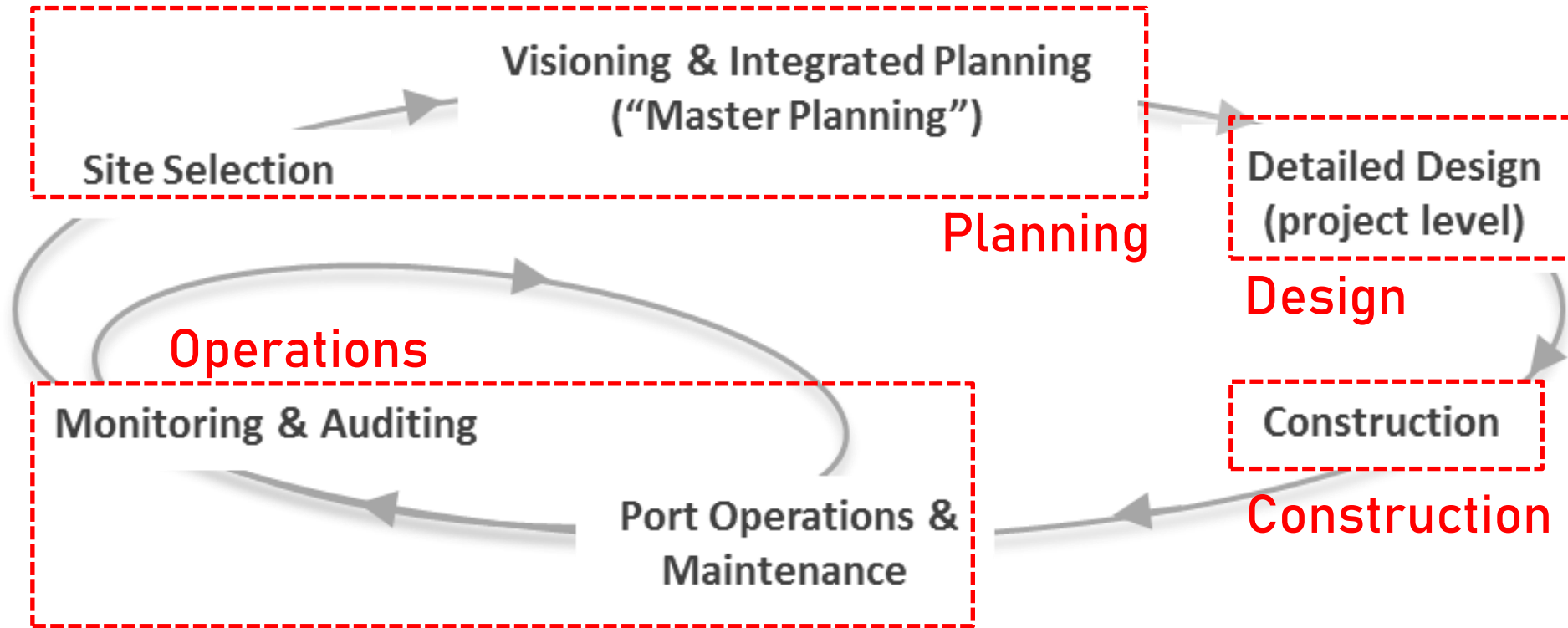


# Scenario Analysis...

- Overview of International approaches
- Proposed Approach for WIO Region
- Driving Forces (factors likely to influence future port planning and development in WIO)
- Sustainability Indicators (to compare possible outcomes)
- Propose spreadsheet model (option to perform analysis at country/ individual port level)

DOMAIN/INDICATOR/DRIVING FORCE	Weigthing	SCN 1	SCN 2	SCN 3	SCN 4
<b>ENVIRONMENT:</b>	<b>0.40</b>	<b>0.00</b>	<b>2.20</b>	<b>2.20</b>	<b>4.00</b>
<b>GHG Emmisions</b>	<b>0.25</b>	<b>0</b>	<b>2.4</b>	<b>2.4</b>	<b>4</b>
1 Corporate culture and supporting policies	0.40	0	0	4	4
1 Institutional arrangements	0.30	0	4	0	4
1 Technological development	0.20	0	4	4	4
1 Operational efficiency	0.10	0	4	0	4
<b>Status of Air Quality</b>	<b>0.25</b>	<b>0</b>	<b>2.4</b>	<b>2.4</b>	<b>4</b>
2 Corporate culture and supporting policies	0.40	0	0	4	4
2 Institutional arrangements	0.30	0	4	0	4
2 Technological development	0.20	0	4	4	4
2 Operational efficiency	0.10	0	4	0	4
<b>Status of Port Environmental Quality</b>	<b>0.25</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>4</b>
3 Corporate culture and supporting policies	0.40	0	0	4	4
3 Institutional arrangements	0.30	0	4	0	4
3 Technological development	0.20	0	4	0	4
3 Operational efficiency	0.10	0	0	4	4
<b>Status of Biodiversity &amp; Habitat Intactness</b>	<b>0.25</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>4</b>
4 Corporate culture and supporting policies	0.30	0	0	4	4
4 Institutional arrangements	0.30	0	4	0	4
4 Technological development	0.20	0	4	0	4
4 Operational efficiency	0.20	0	0	4	4
<b>SOCIAL:</b>	<b>0.40</b>	<b>0</b>	<b>2.35</b>	<b>1.65</b>	<b>4</b>
<b>Community relationship</b>	<b>0.50</b>	<b>0</b>	<b>2.4</b>	<b>1.5</b>	<b>4</b>
5 Corporate culture and supporting policies	0.30	0	4	0	4
5 Institutional arrangements	0.30	0	0	4	4
5 Technological development	0.30	0	3	0	4
5 Operational efficiency	0.10	0	3	3	4
<b>Port-City collaboration</b>	<b>0.50</b>	<b>0</b>	<b>2.3</b>	<b>1.8</b>	<b>4</b>
6 Corporate culture and supporting policies	0.20	0	4	0	4
6 Institutional arrangements	0.30	0	0	4	4
6 Technological development	0.30	0	3	0	4
6 Operational efficiency	0.20	0	3	3	4
<b>ECONOMIC</b>	<b>0.20</b>	<b>0</b>	<b>2.55</b>	<b>2.75</b>	<b>4</b>
<b>Climate resilience</b>	<b>0.50</b>	<b>0</b>	<b>2.1</b>	<b>2.5</b>	<b>4</b>
7 Corporate culture and supporting policies	0.30	0	0	4	4
7 Institutional arrangements	0.20	0	4	0	4
7 Technological development	0.20	0	2	2	4
7 Operational efficiency	0.30	0	3	3	4
<b>Competitiveness (5th generation ports)</b>	<b>0.50</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>4</b>
8 Corporate culture and supporting policies	0.30	0	3	3	4
8 Institutional arrangements	0.20	0	3	3	4
8 Technological development	0.20	0	3	3	4
8 Operational efficiency	0.30	0	3	3	4
<b>OVERALL SCORE (PERCENTAGE -100% optimal)</b>		<b>0</b>	<b>58</b>	<b>52</b>	<b>100</b>

# Toolkit for Green Ports



# Policy Brief

- Overview of findings from this study
- Recommendations for consideration by Contracting Parties for adoption





## Progress to date...

- Preparation of Deliverables in progress
- Stakeholder consultation with maritime agencies facilitated by MTCC (March 2022)
- Received valuable input from port management authorities facilitated by MTCC (May/June 2022)
- Provided feedback to stakeholders at 6th WIOSAP Project Steering Committee Meetings in Madagascar (July 2022)
- Investigating spatial information systems in consultation Macquarie University (Australia)

## Purpose of this Workshop...

In person stakeholder workshop with Convention focal points, maritime agencies, port management authorities, RECs, regional environmental experts:

- Confirmation of country-level information
- Input on spatial data on important ecosystems and environmental impacts
- Introduction of scenario analysis (towards sustainable ports) to obtain input from stakeholders
- Introduction of 'tools' in Green Port toolkit to obtain input from stakeholders



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