



# **Towards Sustainable Port Development in the Western Indian Ocean Project meeting**

**Date: Thursday 17 March 2022**

**Venue: Microsoft Teams**

**Meeting Minutes**



## 1.0 Background information

The WIO Region is experiencing an unprecedented pace of developments in various economic sectors. This brings with it demand for large infrastructural developments driven by huge financial inflows from different funding streams. Most of these developments are concentrated in coastal zones with rich natural resources. While the region has an opportunity to define sustainable trajectories for these investments, they have the potential, if poorly planned and implemented, to significantly impact on the integrity of critical habitats and the resource base that future developments and coastal livelihoods depend on. In the WIO Region coastal communities are strongly reliant on coastal resources for their lives and livelihoods. The *Agenda 2063* masterplan for Africa focuses on frameworks that will drive African nations towards becoming global power houses through sustainable and inclusive development. Further, the 2050 Africa's Integrated Maritime (AIM) Strategy provides a broad framework for the protection and sustainable exploitation of the African Maritime Domain (AMD) for wealth creation. The WIO region has a gross marine product of US \$20.8 billion dollars (WWF, 2017); this showcases the economic value of its delicate ecosystems and highlights the need to focus on sustainable development within marine environments. Through utilizing tools such as marine spatial planning (MSP), strategic environmental assessments (SEA) and ecosystem-based management (EBM), port developments can continue to meet both economic and environmental goals in collaboration with national, regional and international stakeholders.

Through '*Decision CP8/10.4*' and '*Decision CP.9/10*', Nairobi Convention resolved to support Marine Spatial Planning, and Blue and Ocean Economy to promote sustainability. During the 10<sup>th</sup> Nairobi Convention's Conference of Parties meeting held in November 2021, '*Decision CP.10/8*' (Area-based Planning Tools for Sustainable Blue Economy') and '*Decision CP.10/9*' (Monitoring of the marine and coastal ecosystems') were endorsed, signifying the convention's commitment to ensure the sustainability of both the ocean economy and the ecosystems services derived from the marine and coastal resources. In addition, Nairobi Convention requested the secretariat in collaboration with other partners, to undertake a baseline study and scenario analysis, and develop a toolkit for green port development and expansion in the Western Indian Ocean region through '*Decision CP.9/13*' (Enhancing cooperation, collaboration and support with partners'). This decision was further emphasized in '*Decision CP.10/12: Projects and Partnerships*' that urge contracting parties to establish partnerships and programmes on ocean action taking advantage of the opportunities offered by climate change financial mechanisms and arrangements.

The goal of the WIOSAP project which is to improve and maintain the environmental health of the region's coastal and marine ecosystems through improved management of land-based stresses underpins the need to protect the environmental assets of the WIO coastal regions and provide essential goods and services as part of the region's commitment to the Nairobi Convention and UN's 2030 Sustainable Development Goals. Component A in particular focuses on the protection, restoration and management of critical coastal habitats and ecosystems.

Therefore, the Nairobi Convention Secretariat, through WIOSAP project, commissioned the Council for Scientific and Industrial Research (CSIR, South Africa) and Maritime Technology Cooperation Centre (MTCC), in collaboration with Macquarie University and Western Indian Ocean Marine Science (WIOMSA) to undertake a project, in consultation with regional port partners and other stakeholders, aimed at advancing sustainable port development in the region. The project's objectives are to map the existing, planned ports in the WIO region, run sustainable development scenarios in port operations and develop



a tool kit for green ports development. The outputs generated from this work will enable national governments to support and guide the development of new policy options for sustainable port development in the WIO region.

## Meeting Objectives

1. Create awareness on the scope of ports development in the region and their environmental impacts
2. Discuss with stakeholders options to engender sustainability in port development
3. Discussion and validation of the situational assessment on ports and supporting legislative and institutional frameworks in different countries
4. Discussions on next steps in the development of a toolkit on green port development in the region

## Meeting outcomes

1. Stakeholder engagement in developing options to engender sustainability in port development in the WIO region
2. Validated situation assessment on ports and supporting legislative and institutional frameworks in different countries
3. Way forward in the development of a toolkit on green port development in the region
4. Sensitization on the environmental impacts of port development in the WIO

## Summary of Meeting Proceedings

### 1. Opening Remarks

The meeting was called to order at 14:00 hrs (EAT), with Lydia Ngugi from MTCC welcoming all in attendance, followed by introductions. She then invited Dr. Jared Bosire from Nairobi convention to present the background information of the sustainable ports of the Western Indian Ocean project.

### 2. Min 1/22: Background

Dr. Jared Bosire highlighted that Nairobi Convention (NC) is a legal framework and platform for regional collaboration between countries and partners with a mandate to protect, manage and develop the western Indian ocean (WIO) at regional level. He added that the Convention's vision is to partner with governments, civil societies, and private sector in enhancing a prosperous Western Indian Ocean with healthy rivers, coasts, and oceans. The contracting parties to the Nairobi convention include Comoros, France, Kenya, Madagascar, Mauritius, Mozambique, Seychelles, Somalia, South Africa, Tanzania

He highlighted that the WIO region is experiencing an unprecedented pace of development in various economic sectors most of which are concentrated in coastal zones with rich natural resources and therefore the contracting parties requested the Nairobi Convention Secretariat in collaboration with IMO, the PMAESA and other partners, to undertake a baseline study and scenario analysis, and develop a toolkit for green port development and expansion in the Western Indian Ocean region and report on progress thereon at the tenth meeting of the Conference of the Parties through 'Decision CP.9/13. Enhancing



cooperation, collaboration and support with partners'. He mentioned that MTCC-Africa, CSIR, Macquarie University, WIOMSA and other stakeholders are working together with the Nairobi Convention to help deliver on the Conference of Parties' decision, aiming to influence policies/investments towards sustainable/green port development in the WIO Region. He added that other stakeholders such as, PMAESA, IMO, ports authorities, Nairobi Convention Focal Points, Regional Economic Commissions, Marine scientist/technical experts, Private sector and WIO- consortium will be included.

### **3. Min 2/22: Overview of the Sustainable Port Development in the Western Indian Ocean project**

Dr. Susan Taljaard from CSIR South Africa presented the progress made towards the "Sustainable Port Development in the Western Indian Ocean" Project. The key highlights to the presentation include:

- ❖ The project seeks to promote sustainable port development in the WIO region with the specific objectives to:
  - capture spatial distribution of the operational, planned and proposed WIO ports and their impacts on critical marine and coastal habitats;
  - develop scenarios considering possible futures of sustainable development; develop a toolkit for green ports development and
  - provide a policy brief with recommendations to the Contracting Parties for sustainable port development.
- ❖ The project deliverables include: i) a situation assessment report containing the distribution of ports, the legislations/authorities governing the ports and the adjacent marine and coastal ecosystems; ii) scenario analysis report that will include business as usual and possible future scenarios; iii) Green Ports toolkit including a manual to provide guidelines in the application of the toolkit; and iv) the policy brief document.

#### **Achievement so far**

- ❖ The information about the legislation, and the authorities governing the various ports in the Western Indian Ocean countries has been compiled. This was undertaken using open-source information. However, the data needs to be validated and updated to the current situation through stakeholder engagement.
- ❖ Information on the activities that are likely to have negative environmental impacts, if not well managed, is also collated at international and regional scales. This information will also be collated at the national scale, and the stakeholders will be called upon to validate it.
- ❖ Geospatial data processing to assess the coastal habitats that intersect with ports development is ongoing. The assessment focus is on major commercial ports in the WIO.
- ❖ A review of the information on the Green Ports versus the conventional ports and how they align with sustainable ports development to guide the design of the green ports toolkit is also underway.
- ❖ The draft of the scenarios analysis approach at a regional scale focusing on the port development options, possible futures as shaped by the technological, social and legislations dynamics, and their influence on the sustainability of the port's development is also at the development stage.
- ❖ The assessment of key drivers in ports development is also underway. The CSIR team is in contact with Technical University in Delft, who will give input in the scenario simulations.



- ❖ The Green Ports toolkit will be handed over to the people that would ultimately implement the toolkit, including ports authorities and all the stakeholders that are linked to ports operations. The team will ensure that the tool is organised into phases that are easily understood by the port operators.
- ❖ Policy brief will be done towards the end of the project because it will be informed by the above activities of the project.

Dr. Susan Taljaard further requested the stakeholders to give their inputs on the earlier circulated overview of the legislations governing the ports in the region.

#### 4. Min 3/22: Country inputs

##### South Africa

On behalf of the South African (SA) representatives, Mr. Tebogo Mojafi, requested more time to convene, review, and give an updated situation of the ports legislations as a country. He, however mentioned that South Africa has tried to align the marine space within the UN sustainable development goals in consideration with the National development initiatives such as Transnet National Ports Authority (TNPA), Comprehensive maritime transport policy that seeks to mainstream the maritime transport in south African context, and AIM 2050 strategy. He added that in 2018, IMO adopted an initial strategy on the reduction of GHG emissions from ships which will be reviewed in 2023 with South Africa on board and is currently, trying to identify how best to implement the strategy and assess the hindrances to the implementation of the strategy. SA also recognises the MEP, which is designed to support ports in reducing their emissions outputs through data-driven insights, thereby encouraging cooperation between shipping and ports, especially in enhancing a balance between clean ships and clean ports.

Further, Mr. Tebogo highlighted that SA has established the National Intersectoral Coordinating Committee (NICC) forum, which, is leading the country's intersectoral initiatives in ensuring alignment in climate change mitigation and other global aspects. The committee meets every quarter of the year to assess the progress and ensure there are plans that the country is pursuing. SA is a member of Benguela current convention which is comprised of South Africa, Namibia, and Angola through which the country is trying to mitigate the challenges in the maritime space. He added that there is involvement of the private sector in the alignment between different sectors and organizations. Opportunities are being pursued in green hydrogen and ammonia zero-carbon bunker fuels that are most likely to be major contributors to shipping's decarbonized future, and the country is in conversations with the World Bank on the participation requirements in that space.

He further stated that negotiations are underway to come up with management decision in as far as open loop scrubber systems would be incorporated into the South Africa maritime space in compliance with IMO 2020 regulations. In addition, the following legislations are underway:

- Marine Oil Pollution Preparedness, Response and Co-operation (OPRC) bill is now open for public comments
- MARPOL Annex VI which aims to address air pollution from ships is approved by the cabinet and is in final stages of processing.
- The Ballast water management bill is now with states law adviser at the moment



He also mentioned that they have an MOU with CSIR and this project will form one of the initiatives they will be pursuing together.

### **Mauritius**

Ms. Anusha P. Sohatee-Tulloo a representative from Mauritius, confirmed that the information provided in the shared document was correct but very brief. She mentioned that she had contacted the Ports Authority in Mauritius, who requested to be included in the list of stakeholders in the next meeting. She recommended the addition of the ports authority to the WhatsApp group. Ms Anusha also mentioned that they will work together with the Ports Authority in updating the legislation information document.

MTCC committed to following up with Mauritius on Friday (18th March 2022) or Monday (21st March 2022) regarding requests made.

### **Seychelles**

Capt. Joachim Valmont, a representative from Seychelles, mentioned that he had invited the Ports Authority to the meeting, but they could not attend. He confirmed that the information about the SPA Strategic Plan 2018-2023 submitted in the circulated document was correct. In addition, a new MOU had been signed with Grand Port Maritime de La Reunion, and both parties had visited each other. The two intend to collaborate in the rehabilitation and expansion of Port Victoria. Port management information system development is underway which will be in line with the IMO strategy. He added that further consultation with the Seychelles ports authority to get the latest information will be done.

### **Madagascar**

Mr. Andria-Manantena Johanne, a representative from Madagascar, mentioned that they would need more time to consult to come up with a more comprehensive status of the port. He added that the information on the classification of the ports will be added.

### **Comoros**

Mr. Abdillah Soifoine, the representative from Comoros highlighted that the Administration body for Comoros Ports (ACP) is currently responsible for the implementation of policies in Comoros ports, especially in Moroni. He added that discussions with Bolloré Africa Logistics to undertake modernization of the ports in Comoros were underway. MTCC requested a one-pager document with updated information on the ports regarding legislation.

### **Mozambique**

Mr. Jeronimo Tamele, the representative from Mozambique confirmed that the information on the circulated document was correct, but additional information on recent developments would be provided.

## **5. Min 4/22: Plenary discussions**

Dr. Joseph Maina, from Macquarie University, mentioned that good data leads to good decisions, and the certainty of the ongoing work will depend on the best data available and the precision in converting data to information.



Dr. Susan Taljaard thanked everyone for the commitment to assist in data provision. She added that confirmation of the location of the ports and any other additional information would be appreciated.

Mr. Steven Weerts expressed the need to restrain the project scope to ports development as opposed to the entire maritime sector.

Dr. Jared Bosire thanked MTCC for convening the meeting. He added that Nairobi Convention (NC) has no interest in ports but their interest is at the ports intersection with the coastal and marine resources that the local communities/economies depend on and hopes that the project will enhance port development towards sustainability. He added that the project's output belongs to the stakeholders, particularly the port authorities and therefore subsequent stakeholder meetings will have a wider audience that includes Nairobi Convention Focal Points, Regional Economic Communities, Civil Societies Organization, among others.

#### **6. Min 5/22: Next steps**

1. It was agreed that the stakeholders would work on the additional up to date information on legislations/authorities governing the ports in the WIO and revert by the 31<sup>st</sup> of March 2022.
2. MTCC would follow-up with the stakeholders on the additional text which would be added to the document shared prior to the current meeting.
3. Subsequent meetings with wider audience including PMAESA, IMO, ports authorities, Nairobi convention focal points, Regional Economic Commissions, Marine scientist/ technical experts, Private sector and WIO- consortium would be announced after 31st of March 2022.
4. The in-person meeting would be held towards the end of April or the beginning of May if the COVID-19 situation allows.

#### **7. Min 5/22: A.O.B**

There being no other business, the meeting was adjourned at 16:00 hrs EAT.



## Appendix 1: Agenda

TIME	ACTIVITY	PRESENTER
14:00 – 14:15 PM	Opening Remarks and Introductions	Nairobi Convention MTCC-Africa
14:15 – 14:25 PM	Presentation: <i>Towards Sustainable Port Development in Western Indian Ocean Region (General overview)</i>	Council for Scientific and Industrial Research (CSIR)
	Plenary Discussion	MTCC-Africa
14:25 – 14:55 PM	<ul style="list-style-type: none"> <li>• Feedback from the Focal Point Representatives               <ol style="list-style-type: none"> <li>1. South Africa</li> <li>2. Seychelles</li> <li>3. Mauritius</li> <li>4. Madagascar</li> <li>5. Comoros</li> <li>6. Kenya</li> <li>7. Tanzania</li> <li>8. Somalia</li> <li>9. Mozambique</li> </ol> </li> </ul>	
14.55 – 15:05 PM	Presentation: <i>Towards Sustainable Port Development in Western Indian Ocean Region (GIS data)</i>	Macquarie University
15:05 – 15:20 PM	Plenary Discussion	MTCC-Africa
15:20 – 15:35 PM	Situation Assessment Validation	Council for Scientific and Industrial Research (CSIR)
15:35 – 15:50 PM	Legislation/Authorities Validation	Council for Scientific and Industrial Research (CSIR)
15:50 – 16:00 PM	Next Steps	MTCC-Africa
16:00 – 16:05 PM	Closing Remarks	Nairobi Convention





## Appendix II: In-attendance list

1.	Australia	<p><b>Name: Dr Joseph Maina</b>  Email: <a href="mailto:joseph.mbui@mq.edu.au">joseph.mbui@mq.edu.au</a>  Designation: Senior Lecturer in Spatial Information Science, School of Natural Sciences, Centre for Environmental Law (CEL)  Macquarie University, Sydney, NSW 2109</p>
2.	Comoros	<p><b>Name: Mr. Abdillah Soifoine</b>  Email: <a href="mailto:soifoine@comorosmaritime.org">soifoine@comorosmaritime.org</a>  Head of Marine Pollution Department  The National Agency of Maritime Affairs (ANAM)  Mobile: (+269) 325 70 88 - 430 70 88  Moroni, Union of Comoros</p>
3.	Kenya	<p><b>Name: Ms. Florence Bet</b>  Email: <a href="mailto:bjerto@kpa.co.ke">bjerto@kpa.co.ke</a>  Designation: Pollution Control Officer,  Kenya Ports Authority,  P.O Box 95009-80104, Mombasa, Kenya</p> <p><b>Name: Lydia Ngugi</b>  Email: <a href="mailto:nlydia@jkuat.ac.ke">nlydia@jkuat.ac.ke</a>  Designation: Head  Maritime Technology Cooperation Centre for Africa (MTCC Africa)</p> <p><b>Name: Ruth Mbeyu</b>  Email: <a href="mailto:rmwafondo@jkuat.ac.ke">rmwafondo@jkuat.ac.ke</a>  Designation: Administrative Officer  Maritime Technology Cooperation Centre for Africa (MTCC Africa)</p> <p><b>Name: Musa Alfani</b>  Email: <a href="mailto:malfan@jkuat.ac.ke">malfan@jkuat.ac.ke</a>  Designation: ICT Officer  Maritime Technology Cooperation Centre for Africa (MTCC Africa)</p>
4.	Madagascar	<p><b>Name: ANDRIA-MANANTENA Johanne</b>  Email: <a href="mailto:johanne@apmf.mg">johanne@apmf.mg</a> or <a href="mailto:anjaharivelo@gmail.com">anjaharivelo@gmail.com</a>  Head of International Affairs Section,  Directorate General of International and Environmental Affairs,  L'Agence Portuaire Maritime et Fluviale (APMF)  Route des Hydrocarbures, Alarobia BP 581, Antananarivo 101, Madagascar</p>
5.	Mauritius	<p><b>Name: Mrs Anusha Parvatee Sohatee-Tuloo</b></p>



		<p>Email: <a href="mailto:psohatee@govmu.org">psohatee@govmu.org</a>          Designation: Acting Senior Maritime Officer          Ministry of Blue Economy, Marine Resources, Fisheries &amp; Shipping (Shipping Division)          3rd Floor, Ken Lee Building          Edith Cavell Street, Port Louis, Rep. of Mauritius</p>
6.	Mozambique	<p><b>Name: Mr. Jeronimo Tamele</b>          Designation: HSE Manager,  <a href="mailto:Jeronimo.Tamele@portmaputo.com">Jeronimo.Tamele@portmaputo.com</a> or <a href="mailto:tamelej@yahoo.com.br">tamelej@yahoo.com.br</a>          Maputo Port Development Company (MPDC),          Port Directors Building,          Porto de Maputo, CP 2841, <b>Mozambique</b></p>
7.	Seychelles	<p><b>Name: Capt. Joachim Valmont</b>          Email: <a href="mailto:ceo@smsa.sc">ceo@smsa.sc</a>          Designation: Chief Executive Officer          Seychelles Maritime Safety Authority (SMSA)          P.O. Box 912, Victoria, Mahe, Republic of Seychelles</p> <p><b>Name: Capt Roy Buisson</b>          Email:          Designation: Harbour Master Seychelles Ports Authority          Seychelles Ports Authority          New Port, PO Box 47, Victoria, Mahe, Seychelles</p>
8.	South Africa	<p><b>Name: Mr. Yamkela Mngxe</b>          Email: <a href="mailto:YMngxe@environment.gov.za">YMngxe@environment.gov.za</a>          Department of Environmental Affairs – Ocean and Coasts Branch          Chief Directorate: Specialist monitoring Services          Directorate: Large Integrated Projects and International Coordination          Cape Town, 8002, South Africa</p> <p><b>Name: Tebogo Mojafi</b>          Email: <a href="mailto:tmojafi@samsa.org.za">tmojafi@samsa.org.za</a> or <a href="mailto:tebogo.mojafi@gmail.com">tebogo.mojafi@gmail.com</a>          Designation: Senior Manager Maritime Research          South African Maritime Safety Authority (SAMSAs)          P.O. Box 13186, Hatfield 0028, Pretoria, SOUTH AFRICA</p> <p><b>Name: Capt Ravi Naicker</b>          Email: <a href="mailto:Rnaicker@samsa.org.za">Rnaicker@samsa.org.za</a>          Designation: National Operations Manager          South African Maritime Safety Authority (SAMSAs)</p>



		<p>P.O. Box 13186, Hatfield 0028, Pretoria, SOUTH AFRICA</p> <p><b>Name: Sibusiso Rantsoabe</b>  Email: <a href="mailto:srantsoabe@samsa.org.za">srantsoabe@samsa.org.za</a>  Designation: Manager OHS &amp; Maritime Welfare  South African Maritime Safety Authority (SAMSA)  P.O. Box 13186, Hatfield 0028, Pretoria, SOUTH AFRICA</p> <p><b>Name: Molibongwe Ndlozi</b>  Email: <a href="mailto:mndlozi@samsa.org.za">mndlozi@samsa.org.za</a>  Office Employee  South African Maritime Safety Authority (SAMSA)  P.O. Box 13186, Hatfield 0028, Pretoria, SOUTH AFRICA</p> <p><b>Name: Potlako Khati</b>  Email:  Middle Management  Department of Forestry Fisheries and the Environment</p> <p><b>Name: Steven Weerts</b>  Email: <a href="mailto:sweerts@csir.co.za">sweerts@csir.co.za</a>  Designation: CSIR senior researcher  Council for Scientific and Industrial Research (CSIR)</p> <p><b>Name: Dr Susan Taljaard</b>  Email: <a href="mailto:STaljaar@csir.co.za">STaljaar@csir.co.za</a>  Designation: CSIR Principal Researcher  Council for Scientific and Industrial Research (CSIR)</p>
9.	Zanzibar, Tanzania	<p><b>Name: Selestine Mkenda</b>  Email: <a href="mailto:selestine.mkenda@tasac.go.tz">selestine.mkenda@tasac.go.tz</a>  Designation: Manager Navigation Security and Environment  Tanzania Shipping Agencies Corporation (TASAC)</p>
10.	UNEP   Nairobi Convention	<p><b>Name: Dr Jared Bosire</b>  Email: <a href="mailto:jared.bosire@un.org">jared.bosire@un.org</a></p> <p><b>Name: Dr Jane Ndungu</b>  Email: <a href="mailto:jane.ndungu@un.org">jane.ndungu@un.org</a></p> <p><b>Name: Nathan Majwa</b>  Email: <a href="mailto:nathan.majwa@un.org">nathan.majwa@un.org</a></p>



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