

## SUSTAINABLE PORT DEVELOPMENT IN THE WESTERN INDIAN OCEAN MEETING SUMMARY.

6<sup>TH</sup> December 2021

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### Min: 1 Opening

The meeting started at 12:00Hrs with Dr. Jared welcoming all in attendance. He mentioned that the meeting was to discuss the ongoing sustainable port development project in the region, where the project was and what the next steps were. The project was necessitated by the fact that the region was experiencing new expansions and development of new ports hence the need for considering sustainability of such ports. This was followed by a brief introduction from all present.

### Min 2: Discussion

1. Dr. Bosire mentioned that the Nairobi convention had developed an agreement with Council for Scientific and Industrial Research (CSIR) and another agreement was under development with Maritime Technology Cooperation Centre Africa (MTCC). He noted that there was a memorandum of understanding with Macquarie university with the Convention and that WIOMSA was a major technical partner in many areas. He added that CSIR would be responsible by and large for the technical aspects of this work, including, the baseline assessments, and environmental footprint assessment scenarios. He highlighted that the Macquarie university could be consulted in case there was need for geospatial analysis and scenario analysis. He mentioned that MTCC would be involved in stakeholder identification, coordination and convening. He mentioned that there was an inception report developed by the CSIR that would be shared with all in attendance. He added that there would be an inception stakeholder meeting by end of January or beginning of February 2022 if the COVID-19 situation permits. For the work to be impactful, the critical stakeholders, especially port management, authorities, need to be on board. He mentioned that the CSIR would need to continue with the baseline assessment.
2. Steven proposed that there was need to take a discussion document to the stakeholders' inception meeting. MTCC was requested to share a list of stakeholders that would be part of the inception meeting. Lydia mentioned that they had a list from the regional focal points. Dr. Maina mentioned that there were initiatives that the project could leverage on; 1. [Bandari bora project](#) by WIOMSA which was involved in spatial planning for sustainable cities looking at Mombasa, Durban and Moroni. They had order for high resolution imagery that would be used to do some high-resolution mapping and part of that would be to try and understand the function or the functional land use around the port.

3. Susan mentioned that CSIR had move beyond the inception report and gave a presentation that highlighted that;
  - They had developed a list of large commercial ports that were proposed for the study.
  - Using google earth, they had started mapping critical habitats including mangroves, reefs and seagrasses.
  - they had identified the key differences between traditional port and the green ports were.
  - On the comparative risk assessment, they would look at the qualitative differences in both the environmental, ecological and social ecological components of impacts from a traditional port development practise and how they would compare to the green port practise.

Susan mentioned that if it were acceptable, they would not look at all the ports by focus on the bigger commercial ports, either those that existing and also some of the bigger commercial ports that's being planned.

She inquired if google maps would be a tool to use for the geospatial analysis.

4. Dr. Maina mentioned that the use of google map was limited when it comes to quantification of ecosystems. He added that for coral reefs, mangrove and seagrass there had been improvement in data on [Allen Coral Atlas](#) and would be helpful in the analysis.

He noted that for high quality analysis, data acquisition would great for analysis in GIS and quantification.

Jane added that the resolution that would be gotten depends on the ecosystems to be maps.

It was mentioned that for geospatial data analysis, Jane and Maina would be consulted for their technical competencies and recourses.
5. Dr. Bosire mentioned that the project would focus on the big ports in the region and the lessons learnt would be passed to the smaller ports.

He mentions that Steven could develop a validation question that MTCC could share with the stakeholders to help verify the information on ports.

He added that need to include the experiences from other regions on green ports. He highlighted that there was need to touch on the opportunities for adaptive management when ports are operation.
6. It was mentioned CSIR would contact MTCC to get validation information that could be shared from the stakeholders.

It was mentioned that on adoption of the project output, MTCC would play that role and that capacity building should be part of the project process and how to address any further need for capacity building would be considered after the project.

7. On Scenario analysis, Dr. Maina mentioned that shared social economic pathways would be used. It was highlighted that the topic could be discussed in the next meeting.

### **Min 3: Closure**

The meeting was close at 13:47Hrs with Dr. Jared thanking all in attendance for creating time to be part of the meeting.

### **Attendance**

	<b>Name</b>	<b>Organization</b>
1.	Steven Weerts	Council For Scientific and Industrial Research
2.	Susan Taljaard	Council For Scientific and Industrial Research
3.	Lydia Ngugi	Maritime Technology Cooperation Centre Africa.
4.	Joseph Maina Mbui	Macquarie University
5.	Dr.Jared Bosire	UNEP
6.	Jane Ndungu	UNEP
7.	Nathan Majwa	UNEP