

## **ANNEX I: Report of the previous meeting held from 1-3 August 2012 in Maputo, Mozambique**

### **Final Report of the first workshop held for the Southern and Western Indian Ocean region**

#### **Maputo, Mozambique, 1-3 August 2012**

##### **I. Background**

The government of Mozambique organized a workshop for the Southern and Western Indian Ocean region from 1 to 3 August 2012 in Maputo, Mozambique in support of the Regular Process for the Global Reporting and Assessment of the State of the Marine Environment, including Socio-economic Aspects. The meeting was organized pursuant to the recommendations made at the meeting of the Ad Hoc Working Group of the Whole on the Regular Process for the Global Reporting and Assessment of the State of the Marine Environment, including Socio-economic Aspects, and endorsed by the General Assembly in resolution 66/231 of 24 December 2011.

The Government of Mozambique was supported by the Regional Seas program and the Division of Early Warning and assessment of the United Nations Environment Programme (UNEP), and the Secretariat for the Convention for the Protection, Management and Development of the Marine and Coastal Environment of the Western Indian Ocean region (Nairobi Convention). The workshop was conducted as per the attached Agenda, Annex 1.

The workshop was attended by experts from Comoros, Madagascar, Mauritius, Mozambique, Kenya and Tanzania. In addition, the representatives of the following intergovernmental organizations and institutions participated in the workshop including the Intergovernmental Oceanographic Commission of the United Nations Educational, Scientific and Cultural Organization (IOC-UNESCO), Western Indian Ocean Marine Science Association, (WIOMSA) University of Nairobi, Mombasa Polytechnic University College, and Kenya Marine and Fisheries Research Institute. Co-ordinator of the Group of Experts for the Regular Process (GoERP) and expert of the Regular Process facilitated the workshop.

##### **II. Proceedings of the Workshop**

*Agenda items 1, 2 and 3 – Opening of the workshop, election of Chair and Rapportuer and Adoption of the Agenda*

The Head of the Secretariat for the Nairobi Convention explained the purpose of the workshop and invited Mr. Mauricio Xerinda, Permanent Secretary, Ministry of the Coordination of Environmental Affairs (MICOA), Mozambique to open the workshop. The representative of Intergovernmental

Oceanographic Commission of the United Nations Educational, Scientific and Cultural Organization (IOC-UNESCO), also made some opening remarks. The workshop elected the representative of the host Government of Mozambique Ms. Paula Pangene, Deputy Director, MICOA as the Chair and the representative of the Government of the United Republic of Tanzania, Dr. Jeremiah Daffa, Director, Tanzania Coastal Management Partnership (TCMP) as the rapporteur, assisted by Dr. Jared Bosire and Dr. Renison Ruwa both from KEMFRI. The workshop adopted the agenda with some amendments. The amended agenda is attached as annex 1 of this report.

#### *Organization, aims, scope and expected outputs of the workshop*

The workshop began with a series of presentations and discussions on various assessments in the region

Mr. Dixon Waruinge, the head of the Secretariat for the Nairobi Convention made reference to the Regular Reporting Process as one of the outcomes of the 2002 World Summit on Sustainable Development (WSSD) held in Johannesburg, South Africa, to “establish by 2004 a regular process under the United Nations for global reporting and assessment of the state of the marine environment, including socio-economic aspects, both current and foreseeable, building on existing regional assessments.” Further under the Nairobi Convention Article 14 and 17 the Convention calls for the preparation of “periodic State of Coast Reports” and “for cooperation with competent regional and international organizations to develop technical and other guidelines to assist the planning, in scientific research, monitoring, and the exchange of data and other scientific information relating to the purposes of the Convention”. He further highlighted key assessments being currently implemented by the Nairobi Convention which include the development of a Regional and National State of the Coast reports. These reports will contribute to the global integrated assessments hence a need to link national activities to those at global level at the same time provide an opportunity to link experts at national, regional and international level. He urged the experts present in the meeting to consider the format proposed under the Regular process as a good template for the State of the Coast Reports. He noted the need for standardized formats of reports at national and regional levels so that they can fit into the global report. He expressed the need for seasoned experts to contribute towards the development of national State of Coast reports in a harmonized structure. Further, he urged the regional experts to work within the UN regular process timelines of 2014 when it is expected that the Global assessment will be finalized.

#### *Presentation on the regular process on mandate from the United Nations, history, mechanisms and role of UNEP*

Ms. Joan Akrofi outlined the mandate, history and UNEP's role in the Regular Process which include Capacity building, communication, assessments and resource mobilization. UNEP had supported a number of regional capacity building workshops on the Regular Process. From the past workshops, it has been noted that there is huge amounts of data but not in formats which can be directly used in an integrated assessment. However, most of the data is biological, physical and chemical while socio-economic data is scanty.

Other planned regional technical workshops include Asia Pacific to be held in September 2012 in Bangkok, Wider Caribbean in November 2012 in the USA, while the remaining regions will be held in 2013. A communication portal which is open access has also been developed.

After the presentation, time was allocated for the participants to make their comments. The comments were as follows:

- The regional experts recommended that regions that had not held their regional workshops to consider lessons learnt from the three regional workshops that have been held so far and that UNEP Regional Seas Conventions and Action Plans to compliment the activities of the Group of Experts. This approach would enable the regions deliver timely towards the 2014 timeline.
- The experts proposed for synergy between the Regional Seas Conventions and Action Plans and the global regions outlined by the Regular Process.
- The experts sought to know the roles of Indian Ocean Commission (COI) and UN New York in the UN Regular process.
- The experts proposed to create a link between UNEP's support and national obligations towards the 2014 deadline. This includes alignment of the global deadline of 2014 with national and regional work-plans.
- Experts sought to know whether there would be national portals that would feed into the communication portal developed by UNEP.
- Ms. Joana informed the participants that UNDOALOS was the Secretariat of the UN Regular Process and UNEP was providing technical and scientific support to the process using the Regional Seas Programme. She added that data collection from the high seas had remained fairly uncharted waters but UNEP recently developed transboundary waters assessment methodologies for the Global Environmental Facility (GEF). The methodologies will cover the interlinkages between five transboundary water systems which include rivers, lakes, groundwater basins, Large Marine Ecosystems and Open Ocean. The methodologies can be accessed online on <http://twap.iwlearn.org>.

#### *Introduction to the UN Regular Process*

Dr. Renison Ruwa, Deputy Director, Kenya Marine and Fisheries Research Institute and a member of the Group of Experts presented on the origin and progress of the Regular Process since the World Summit on Sustainable Development (WSSD) in 2002. Dr. Ruwa informed that a pool of experts had been

agreed upon and guidelines for the workshops developed. The working methodologies had also been agreed and they are in harmony with the methodologies of the Western Indian Ocean region for developing the State of the Coast reports. He stressed that the Regular Process was intended to build on existing assessments and not new data collection. Where new data collection will be required, it will have to be done under existing projects. He also informed that in developing the Assessment of Assessments (AOA) report, the region was well represented and that it will be critical for the workshop to review whether the assessments represented in the report were still current or have been considered and also link them to national and regional projects e.g. the South West Indian Ocean Fisheries Project (SWIOFP) and the Agulhas and Somali Current Large Marine Ecosystem (ASCLME). He informed that the regional databases will be crucial in information mobilization. Where there was data paucity, it will be identified as gaps and appropriate recommendations given. Start-up levels between different countries and regions will vary depending on the level of development, data already available and in-country capacity.

After the presentation, the Chair invited participants to make comments and their comments were as follows:

The experts expressed concern on the work program towards 2014 on whether it was feasible. Dr. Ruwa informed that a working program had been developed and approved by the UN. He added that each country will appoint their own Group of Experts as directed from their country Missions in UN New York.

Members from regional units were encouraged to identify issues which were relevant to them. The experts noted that there were lots of works already going on in the region however the major challenge would be how to harmonize the different approaches.

#### *The Outline and structure of the first global integrated marine assessment*

Ms. Lorna Inniss, Co-ordinator of the Group of Experts for the Regular Process (GoERP) informed the meeting that nations have participated in defining and endorsing the first global integrated marine assessment process and all countries have been asked to nominate their pool of experts for the process. She further informed the meeting that the first assessment of assessments (AoA) will form the baseline for the first global integrated marine assessment, The DPSIR approach (Driving Forces-Pressures-State-Impacts-Responses) will be used in the global integrated marine assessment.

Other approaches and structures to be used will be determined by pressures on habitats or degree of impairment of ecosystem goods and services. The habitats approach will integrate ecosystem features such as human pressures on different realms. The ecosystem services approach will link to the Millennium Ecosystem Assessment of 2005.

Ms. Inniss also informed the meeting that the governments resolved that policy reviews won't be included in the global integrated marine assessment report.

Ms Lorna Inniss further informed the meeting that the Countries had been requested to nominate experts into the pool of Experts and so far only 5 such experts had been nominated from Africa. The meeting was also informed that besides the national experts, competent authorities will also have significant contribution e.g. UNEP, FAO etc.

#### *Process of Drafting the first global integrated marine assessment and Capacity building needs*

Ms. Lorna Inniss outlined the process for drafting the first global integrated marine assessment and capacity building needs for the Regular Process. She outlined the 45 chapters that will be developed under the global integrated marine assessment. She indicated that the Group of Experts has the responsibility of delivering the first Assessment Report. The Pool of Experts will assist the Group of Experts to deliver this. There will be lead drafters for each chapter and papers as well. The papers will be the technical materials, which will come from specific sectors or regions. There will be a panel of consultants who will have expertise in a particular area, which will thus make them qualify as resource persons. There will also be a group of reviewers for quality control, who must not have been involved in the drafting process. The final reviewers will be the countries themselves.

Guidelines to authors have not been approved and will be presented end of August 2012 to the Bureau for consideration. The pool of experts will not represent their governments but will contribute in their individual capacity and ensure competent independence.

On data, she noted that the major challenge was data access due to copyright and individual/institutional rights over such data. She informed that the Group of Experts had a proposal that each country nominates a focal point for ease of communication and supply of information. The proposal was yet to be approved.

Thereafter, the Chair invited the participants to make comments on the presentation and the comments were as follows:

- Experts wondered why global integrated marine assessment will not include or analysis of policies. The meeting asked for policy reviews using a language that does not refer or indict any government country. Alternatively, policy details could be dealt with in regional documents e.g. the State of the Coast Report for WIO region.

- The regional experts pointed out those similar assessments have been conducted globally such as the Global Environment Outlook (GEO) reports, Africa Environment Outlook (AEO) reports, etc, but these have been fairly sectoral or even multi-sectoral but also acknowledged that the global integrated marine assessment report will be much broader.
- The regional experts noted that there was need to merge chapters 32 to 38 which seem to be dealing with similar aspects and thus may be redundant. However, the experts were informed that the classification was based on European Union, which was highly specific but may not be applicable to developing countries.
- The experts were concerned with the timeline for nomination of experts to the Pools of Experts. This has been reviewed severally and the new extended deadline was end of August 2012 which also was a short time line.
- The experts were also intrigued by the need for a caveat that the governments will review the final report despite the elaborate peer reviewer process.
- The experts wanted to know the funding structure for the process and funding needs after being informed of the immediate resource limitations.
- Concerns were raised on who was the intended audience of the document especially with the policy and governance having been significantly watered-down and yet science was expected to inform management/policy.

### **III. PRESENTATIONS OF REGIONAL PROGRAMMES**

#### ***(a) National State of the Coast reports***

The presentation emphasized that UNEP has been doing assessments and thus it will play a critical role in any assessment process directly or through its extensive partnerships. Nairobi Convention with a coastline of over 15,000 km and rich natural resources, was an important region with high level of endemism where marine and coastal resources support the livelihoods of 178 Million people in the region that are also closely associated with the coastal resources, with about 60 million people being directly depended on coastal resources as they live within 100km of the coastline.. Mr. Waruinge added that a deliberate process or attempt should be made to engage with the civil society as one of the key pillars in the governance of coastal resources. It was noted that the civil society participation had been captured under Paragraph 10 of the Regular Process document.

He further presented a proposed structure of the regional State of the Coast Report. This State of the Coast Report (SCR) will contribute towards the global integrated marine assessment. Other activities planned for 2012 and beyond include: carbon stock assessments, the true value of the blue Capital for green economy, impacts of oil and gas exploration, climate change implications and policy options among others.

Thereafter, the Chair invited the participants to make comments on the presentation and the comments were as follows:

- The experts were keen to know the status and timelines for the development of the national State of Coast Reports in WIO region?
- Dixon indicated that the Convention had contracted WIOMSA to work with national experts to develop the different national State of Coast reports. Once the reports have been finalized, they will be submitted to the national Ministries responsible for environment management in each country. These reports will thereafter contribute towards the regional state of Coast Report and also towards the Global assessment Report
- The experts also expressed the need to have a way of harmonizing carbon stock assessments methodologies across the region. In this context, the meeting was informed that a Regional Mangrove Network was formed during the regional mangrove workshop held in 2011 and such a network could be supported by, and anchored under UNEP Nairobi Convention to strengthen its regional operations.
- The experts also wished to see a greater role for the civil society, in the preparation of the state of coast reports. The experts emphasized that the civil society should participate during the entire process for the production of the state of coast reports.
- The experts also noted the need for the Permanent Representatives to the UN to be the focal points for the Global assessment but also requested that the group of experts develop a working link with the Nairobi Convention Secretariat and regional experts in order to help in fast-tracking information delivery. The Nairobi convention through its established network of partnerships in the region could also assist the countries in information sharing.

***(b) East Africa dataset – IOC – UNESCO***

Mr. Odido highlighted the history and roles of IOC-UNESCO and also its past and current regional activities. Currently, IOC-UNESCO was working to support development of Coastal Marine Atlas for the countries which would contribute to the development of a regional atlas. An African Marine Atlas has already been developed. They have also established sea level monitoring stations in the region which generate data accessed in real time. The Marine Database which started from KMFRI now covers the whole of the African region and thus will change its name to Africa Register of Marine Species. Linkages with Ocean Biographic Information System (OBIS) and World Register of Marine Species (WORMS) were being made for connectivity and access.

***(c) Agulhas – Somali Current Large Marine Ecosystem –ASCLME***

Dr. Magnus Ngoile informed the meeting the ASCLME had developed a regional Marine Environment Diagnostic Analysis (MEDA) report which will be published in 2013. ASCLME had also done a governance and socio-economic analysis for the region. He assured the meeting that all these documentation will be made available for use in development of the AoAs reports.

Thereafter, the Chair invited the participants to make comments on the presentations and the comments were as follows:

- The participants were keen to know whether a Monitoring and Evaluation Plan on the utilization of the Africa Marine Atlas had been conducted. IOC-UNESCO informed that data in the atlas had not been of high resolution to be very directly applicable but will be improved upon in the next edition.
- On data repatriation, the regional challenge had been that countries except South Africa had relied on foreign vessels to collect oceanographic data which gets archived at these foreign institutions. IOC-UNESCO has helped in bringing back such data sets into the countries where the expeditions were conducted.
- On timelines for completion of the Transboundary Diagnostic Analysis (TDA) and Strategic Action Programme (SAP) by ASCLME, Magnus informed the meeting that they will be completed before March 2013.

*(d) Overview on the existing assessments in the region (based on AoA findings and information submitted by states or regional organizations)*

The presentation highlighted a number of regional processes that have been carried out in the Western Indian Ocean region that had relevance with the UN Regular process.

**IV. GROUP DISCUSSIONS ON CAPACITY BUILDING NEEDS**

<b>Outline</b>	<b>Chapters</b>	<b>Existing Assessments</b>	<b>Institutions/Experts</b>	<b>Gaps</b>	<b>Remarks</b>
<b>PART I – SUMMARY</b>					



<b>PART II – THE CONTEXT OF THE ASSESSMENT</b>	<b>1. Planet: oceans and life</b> <i>This chapter will be a broad, introductory survey of the role played by the oceans and seas in the life of the planet, the way in which they function, and humans’ relationships to them.</i>	<ol style="list-style-type: none"> <li>1. State of the coast reports (Regional/National).</li> <li>2. Field guide to the seashore of Eastern Africa and the Islands.</li> <li>3. The Evolutionary History of the WIO Region (to be published Dec.2012).</li> <li>4. Indian Ocean Expedition/ Review of the Indian Ocean Expedition.</li> </ol>	Universities and National Marine Research Institutions. Experts: <ol style="list-style-type: none"> <li>1. Dr. David Obura</li> <li>2. Dr. Desiderius Masalu</li> <li>3. Dr. Matt Richmond</li> <li>4. Dr. Julius Francis</li> <li>5. Mr. Mika Odido</li> <li>6. Prof. Antonio Hogueane</li> <li>7. M. Achimo</li> </ol>	None	Synthesis for WIO: Geological evolution, bio-physical settings, historical and current uses of the ocean
	<b>2. Mandate, information sources and method of work</b>	Relevant resolutions of the UNGA related to the RP. Relevant Nairobi Convention Articles.	<ol style="list-style-type: none"> <li>8. Dr. Renison Ruwa</li> <li>9. Mr. Dixon Waruinge</li> </ol>	None	
<b>PART III – ASSESSMENT OF MAJOR ECOSYSTEM SERVICES FROM THE MARINE ENVIRONMENT (OTHER THAN</b>	<b>3. Scientific understanding of ecosystem services</b>	Reference to IPCC Reports Marine Eco-region reports for WIO.(WWF) WIOLAB TDA Reports-ASCLME,SWIOFP	<ol style="list-style-type: none"> <li>10. Dr. Jared Bosire</li> <li>11. Dr. James Kairo</li> <li>12. Dr. Jacob Ochiewo</li> <li>13. Dr. Salomao Bandeira</li> <li>14. Dr. Amani Ngusaru</li> </ol>	None	ACOPS Reports, GIWA Regional Report. Marine Science Country Profiles.
	<b>4. The oceans’ role in the hydrological</b>	WIOLAB TDA Report. Adapting to a changing	<ol style="list-style-type: none"> <li>15. Dr. Shigalla Mahongo</li> </ol>	Environmental flows for major	Climatic Change Reports.

<b>PROVISIONING SERVICES</b>	<b>cycle</b>	Environment: confronting the consequences of Climate Change- McClanahan and Cinner.	16. Prof. Antonio Hogueane 17. Dr. Julius Francis 18. Dr. Charles Magori 19. Dr. Johnson Kitheka	rivers.	
	<b>5. Sea/air interaction</b>	IPCC and Meteorological data sets. Climatology and landfall of tropical cyclones in the SWIO Region.(1952-2007) By Mavume et. Al.	20. Dr. Alberto Mavume 21. Mr. Mohammed Ali Biebeejaun 22. Dr. Ali Mafimbo 23. Dr. Antonio Queface 24. Dr. David Obura 25. Dr. Jacob Ochiewo	Ocean acidification: degree and extent of ocean acidification resulting from human activities (including coral bleaching).. Socio economic implications	
	<b>6. Primary production, cycling of nutrients, surface layer and plankton</b>	TDA Reports for ASCLME and SWIOFP	26. Dr. Charles Lugomela 27. Dr. Melchizedek Osore 28. Dr. James Mwaluma	None	
	<b>7. Ocean-sourced carbonate production</b>	Site specific	29. Dr. Juma Kangwe 30. Dr. Jacqueline Uku 31. Dr. Yohana Shagude	Regional perspective	One site study by Juma Kangwe-Zanzibar. Shoreline changes studies in Mombasa.
	<b>8. Aesthetic, cultural, religious and</b>	TDA Reports-ASCLME, SWIOFP. IUCN Report –Religious and	32. Dr. Jacob Ochiewo 33. Dr. Simon Mesaki	None	

	<b>spiritual ecosystem services derived from the marine environment</b>	Cultural (Misali – Zanzibar)			
	<b>9. Conclusions on major ecosystems services other than provisioning services</b>				
Part IV	<b>10. Oceans and seas as sources of food</b>	FAO Reports (SOFIA) SWIOFP	34. Dr. Edward Kimani 35. Dr. Atanasio Brito 36. Dr. Johan Groeneveld 37. Dr. Yunus Mgaya	None	
	<b>11. Capture fisheries</b>	FAO Reports (SOFIA) SWIOFP IOTC Reports	38. Dr. Edward Kimani 39. Dr. Atanasio Brito 40. Dr. Johan Groeneveld 41. Dr. Yunus Mgaya 42. Dr. Benjamin Ngatunga 43. W. Haule	IUU	
	<b>12. Aquaculture</b>	FAO Reports (SOFIA) SWIOFP EIA of Aquaculture development Eastern Africa. (SEACAM) Mariculture in the WIO Region. RECOMAP	44. Dr. Yunus Mgaya 45. Dr. Betty Nyonje 46. Dr. Paula Santana 47. Dr. Rashid Tamatamah	Pollution determination from aquaculture Use of chemicals Modification of habitats	
	<b>13. Fish stock propagation</b>	Not applicable.	Not applicable	Not applicable	
	<b>14. Seaweeds and other sea-based food</b>	Mariculture in the WIO Region.	48. Dr. Betty Nyonje 49. Dr. Aviti Mmochi	To be identified	

	<b>15. Social and economic aspects of fisheries and sea-based food</b>	Reports on instances of algal bloom occurrences (IOC-UNESCO). National Fisheries Frame Surveys. National Statistical Reports.	50. Dr. Rose Mwaipopo 51. Dr. Jacob Ochiewo 52. Dr. Razack Lokina 53. Dr. Kassim Kulindwa	To be identified	
	<b>16. Conclusions on food security</b>	All of the above.		Not applicable	
Part V	<b>17. Shipping</b>	IMO Reports Marine highway project reports Globallast Project reports.	54. Mr. John Paul Muindi 55. Dr. Sinibaldo Canhanga 56. Capt. King Chiragi 57. Dr. Raj Prayag	To be identified	
	<b>18. Ports</b>	Globallast Project reports PEMESA	58. Mr. John Paul Muindi 59. Dr. Sinibaldo Canhanga 60. Capt. King Chiragi 61. Mr. Jerome Ntibarekerwa – Secretary General PMAESA	To be identified	
	<b>19. Submarine cables and pipelines</b>	EIA Reports Marine Highway Assessment Report	62. Dr. David Obura 63. Dr. Raj Prayag	To be identified	
	<b>20. Coastal, riverine and atmospheric inputs from land</b>	WIOLAB TDA Report GPA reports on municipal waste water.	64. Dr. Johnson Kitheka 65. Dr. Daniel Munga 66. Dr. Saeed Mwanguni 67. Dr. Salamao Bandeira	Environmental flow assessment	
	<b>21. Offshore hydrocarbon industries</b>	ASCLME and SWIOFP TDA Reports EIA Reports	68. Dr. Matt Richmond 69. Dr. Desiderius Masalu	Lack of capacity for assessing	

		WWF Reports on Oil and Gas in the WIO Region.	70. Dr. Edward Kimakwa 71. Dr. Rose Sallema		
	<b>22. Other marine-based energy industries</b>	Renewable Ocean Energy in the WIO (Hammar et.al)	72. Dr. Matt Richmond 73. Dr. Desiderius Masalu 74. Dr. Alberto Mavume	To be identified	
	<b>23. Offshore mining industries</b>	SECAM EIA Report on mining. ASCLME and SWIOFP TDA Report	To be identified	Lack of capacity to assess mining industries offshore.	
	<b>24. Solid waste disposal</b>	Country reports contributing to the Global Waste Survey. GPA reports on municipal solid waste.	75. Dr. Daniel Munga 76. Dr. Saeed Mwaguni 77. Dr. Salamao Bandeira 78. Dr. Charles Nguta Mweu	To be identified	
	<b>25. Marine debris</b>	WIO TDA Report. GESAMP Report on Marine litter. Marine litter in Eastern Africa Region an overview ( UNEP & WIOMSA)	79. Dr. Jacob Ochiewo 80. Dr. Sue Lane 81. Dr. Lynn Jackson	To be identified	
	<b>26. Land/sea physical interaction</b>	WIOLAB Report LOICZ Report Shoreline Changes regional report (IOC-UNESCO)	82. Prof. Antonio Hogueane 83. Dr. Johnson Kitheka 84. Dr. Yohanna Shagude	To be identified	WIO issue Catchment areas
	<b>27. Tourism and recreation</b>	SECAM EIA Report on Coastal Tourism development ACOPS Report.	85. Prof. Bob Wishitemi 86. Dr. Saeed Mwaguni 87. Mr. João Junior	Carrying capacity studies.	

		GEF Project on Coastal Tourism. Atlas of coastal Resources EAF/14 National Sensitivity Maps	Munguambe 88. Mr. Daniel Nkondola		
	<b>28. Desalinisation</b>	Not Applicable	Not applicable	Not applicable	
	<b>29. Use of marine genetic resources</b>	Bio-prospecting reports	89. Mr. Thomas Dzeha	To be identified	
	<b>30. Marine scientific research</b>	Marine Science Country Profiles. Commonwealth Secretariat Report on Marine Science Capacity Survey.	90. Dr. Julius Francis 91. Dr. Renison Ruwa 92. Mr. Mika Odido 93. Dr. Sinibaldo Canhanga 94. Mr. Dixon Waruinge 95. Dr. Almeida Guissamulo 96. Dr. Ben Ngatunga 97. Dr. Domingos Gove	To be identified	
	<b>31. Conclusions on other human activities</b>	SECAM Reports ICZM Reports	98. Dr. Jeremiah Daffa 99. Dr. Renison Ruwa 100. Dr. Saeed Mwanguni	Not applicable	
	<b>32. Capacity-building in relation to human activities affecting the marine environment</b>	Marine Science Country Profiles. ICZM Reports(WIOMSA/SIDA/SECAM) Commonwealth Secretariat Report on Marine Science Capacity Survey.	101. Dr. Jeremiah Daffa 102. Dr. Renison Ruwa 103. Dr. Saeed Mwanguni 104. Dr. Julius Francis	To be identified	
<b>Part 6 ASSESSMENT</b>	<b>33. Introduction</b>				
<b>SECTION A – OVERVIEW OF MARINE BIOLOGICAL DIVERSITY</b>					

<b>OF MARINE BIOLOGICAL DIVERSITY AND HABITATS</b>	<b>34. Scale of marine biological diversity</b>	WIOLAB, ASCLME and SWIOFP TDA Reports. Seashores of Eastern Africa and Islands Marine Species Database of Eastern Africa. Fishes of Southern Africa( JLB Smith) Fishes of the Indian Ocean and Red Sea (French ed.)	105. Dr. Matt Richmond 106. Prof. M. H. Schleyer 107. Dr. Nina Wambiji 108. Dr. Salamao Bandeira 109. Dr. Prakash Mussai 110. Dr. Ben Ngatunga 111. Dr. Melchizedek Osore	To be identified	CD Roms SIDA SAREC on Marine Biodiversity.
	<b>35. Extent of assessment of marine biological diversity</b>	EAF Nansen Surveys Tyro expedition. ACEP Surveys ASCLME/SWIOFP Surveys Status of Birds as indicators of Marine and Coastal Biodiversity in the WIO Region (NC/Birdlife International) Eco-Africa Reports	112. Dr. Renison Ruwa 113. Ms. Lucy Scott 114. Dr. Nirmal Shah 115. Dr. Nyawira Muthig 116. Dr. Jacqueline Uku 117. Dr. Carlos Bento 118. Dr. Jared Bosire 119. Dr. Christopher	To be identified	WIO issue Coastal Forest

			Muhando 120. Dr. Salamao Bandeira 121. Dr. James Kairo		
	<b>36. Overall status of major groups of species and habitats</b>	EAF Nansen Surveys Tyro expedition. ACEP Surveys ASCLME/SWIOFP Surveys Status of Birds as indicators of Marine and Coastal Biodiversity in the WIO Region (NC/Birdlife International)	122. Dr. Renison Ruwa 123. Ms. Lucy Scott 124. Dr. Nirmal Shah 125. Dr. Nyawira Muthiga 126. Dr. Jacqueline Uku 127. Dr. Carlos Bento 128. Dr. Jared Bosire 129. Dr. Christopher Muhando 130. Dr. Salamao Bandeira 131. Dr. James Kairo	To be identified	
	<b>SECTION B - MARINE ECOSYSTEMS, SPECIES AND HABITATS SCIENTIFICALLY IDENTIFIED AS THREATENED, DECLINING OR OTHERWISE IN NEED OF SPECIAL ATTENTION OR PROTECTION</b>				
	<b>37. Coastal rock and biogenic habitats</b>	IUCN Reports CBD Reports	132. Dr. Mohammed Said	To be identified	WIOMSA and WWF Reports



	<b>and related species</b>		Omar 133. Dr. Renison Ruwa 134. Dr. Simon Ndaro		
	<b>38. Coastal sediment habitats and related species</b>	IUCN Reports CBD Reports	135. Dr. Mohammed Said Omar 136. Dr. Renison Ruwa 137. Dr. Simon Ndaro	To be identified	WIOMSA and WWF Reports
	<b>39. Shelf rock and biogenic reef habitats and related species</b>	IUCN Reports CBD Reports	138. Dr. Mohammed Said Omar 139. Dr. Renison Ruwa 140. Dr. Simon Ndaro	To be identified	WIOMSA and WWF Reports
	<b>40. Shelf sediment habitats and related species</b>	IUCN Reports CBD Reports	141. Dr. Mohammed Said Omar 142. Dr. Renison Ruwa 143. Dr. Simon Ndaro	To be identified	WIOMSA and WWF Reports
	<b>41. Deep sea habitats and related species</b>	IUCN Reports CBD Reports	144. Dr. Mike Roberts 145. Ms. Lucy Scott	To be identified	WIOMSA and WWF Reports
	<b>42. Water column habitats and</b>	IUCN Reports CBD Reports	146. Ms. Lucy Scott	To be identified	WIOMSA and WWF Reports

	<b>related species</b>				
<b>SECTION C - ENVIRONMENTAL, ECONOMIC AND/OR SOCIAL ASPECTS OF THE CONSERVATION OF MARINE SPECIES AND HABITATS AND CAPACITY-BUILDING NEEDS</b>					
	<b>43. Significant environmental, economic and/or social aspects in relation to the conservation of marine species and habitats</b>	ASCLME/SWIOFP and WIOLAB TDA reports. Marine Highway Project reports. WIOMSA report	147. Dr. Renison Ruwa 148. Dr. Razack Lokina 149. Dr. Helida Oyieke 150. Dr. Kassim Kulindwa 151. Dr. Adolf Mkenda 152. Dr. Jacob Ochiewo 153. Dr. Mohammed Said Omar	Economic valuation of resources/enviroment	
	<b>44. Capacity-building needs</b>	WIOMSA needs assessment report FAO SMART-Fish ASCLME/SWIOFP EAF Nansen	154. Dr. Julius Francis 155. Dr. Melchizedeck Osore 156. Dr. Almeida Guissamulo 157. Mr. Mika Odido	To be identified	
	<b>45. Summary on marine biological diversity</b>	Based on the above			
<b>PART VII –</b>	<b>46. Overall assessment</b>	Based on the above			

<b>OVERALL ASSESSMENT</b>	<b>of human impact on the oceans</b>				
	47. <b>Overall value of the oceans to humans</b>	Based on the above			
<b>WIO Issues</b>	48. Policy and Governance issues	ASCLME and SWIOFP Assessment Reports. WIOLAB TDA and SAP	158. Dr. Magnus Ngoile 159. Dr. Renison Ruwa 160. Mr. Jeremiah Daffa 161. Dr. Domingoes Gove 162. Ms. L.Ylénia Randrianarisoa	As outlined in the reports. To be identified	
	49. Groundwater/Salt water intrusion				
	50. Coastal Forests				
	51. Catchment areas*				
	52. Urbanization in coastal areas				

## **V. WAY FORWARD**

*Taking note* of the requirements of countries of the WIO Region to contribute to the Regular Process for Global Reporting and Assessment of the State of the Marine Environment including Socioeconomics Aspects (RP) as per UNGA Resolution 64/71 of 4 December 2009;

*Further noting* the requirement to prepare the national and regional state of the coast reports as per the Nairobi Convention Article 17 (d) and (e);

*Reaffirming* our commitment as a region and individual countries to make our contributions in a timely manner to the global and regional processes;

*Recognizing* that there are complementarities as well as opportunities for forging synergies between the two processes;

*Further recognizing* the need to optimize the use of resources;

The experts request the Government of Mozambique to communicate the following to:

- a. The Nairobi Convention Secretariat:
  - i. The outline of the Regular Process (RP) (subject to the proposed changes) should form the basis of the outline of the Regional State of Coast Report (RSoCR);
  - ii. The first write-shop on assessments should be organized prior to the 7th COP in December 2012, to discuss the detailed outline and the process for production of the RSoCR;
  - iii. Seek the endorsement of the outline and the process for the production of the RSoCR from the 7th COP.
- b. Contracting Parties (CP)
  - i. Urge the CPs to endorse the outline and the process for the production of the RSoCR report.
  - ii. Urge the CP's to nominate the requested experts for the RP and submit the names to UNDOALOS through their Ministries for Foreign Affairs and their Permanent Representatives of the United Nations in New York by end of August 2012.
- c. UNDOALOS
  - i. Reports that the WIO regional experts have held a successful meeting in Maputo – Mozambique from 1st – 3rd August 2012;
  - ii. Agreed that the outline of the Regular Process - RP should form the basis of the outline of the Regional State of Coast Report (RSoCR);
  - iii. Seek the support of UNDOALOS towards the proposed write-shop to be held prior to the Nairobi Convention COP7 in December 2012;
  - iv. Acknowledging the contribution of the Joint Co-ordinator to the Capacity Building Workshop, held in Maputo 1st -3rd August 2012, requests UNDOALOS to support the co-ordinator to participate in the proposed Write-Shop;
  - v. Consider either to expedite the RP process or adjust the timeline to beyond 2014.

## **VI. CLOSURE OF THE WORKSHOP**

There being no other business, the Chair declared the workshop closed at 1530hrs.



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**UN Regular Process:**

**Regional Technical Workshop to**

**Identify Capacity Needs in the Western Indian Ocean Region**

Maputo, Mozambique, 1 to 3 August, 2012

**PROVISIONAL AGENDA**

TIME	ACTIVITY	CHAIR/RAPPORTUER
<b>DAY 1</b>	<b>WEDNESDAY 1/08/2012</b>	
08:30	Registration	
09:00	1. Opening of the workshop	Representatives of MICOA UNEP IOC-UNESCO
09:30	2. Election of the Chair and Rapportuer 3. Adoption of the agenda	MICOA
09:40	4. Organisation, aims, scope and expected outputs of the workshop	Chair/UNEP
09:50	5. Presentation on the regular process on mandate from the United Nations, history, mechanisms and role of UNEP	Chair/UNEP/J. Akrofi

10:20	6. Plenary session on the organization of the workshop and the regular process	Chair
<b>10:40</b>	<b>Coffee Break</b>	
11:00	7. Introduction to the UN Regular process	Chair/R. Ruwa
11:30	8. Presentation and plenary session on the outline and structure of the first global integrated marine assessment	Chair/Lorna
<b>12:30</b>	<b>Lunch Break</b>	
14:00	9. Presentation and plenary session on the process of drafting the first global integrated marine assessment and capacity building needs: <ul style="list-style-type: none"> <li>– Drafting process</li> <li>– Guidance for authors</li> <li>– Selecting the pool of experts</li> <li>– Expertise required</li> <li>– Peer-review process and</li> <li>– Capacity building needs.</li> </ul>	Chair/Lorna
14:50	10. Presentations of regional programmes: <ul style="list-style-type: none"> <li>– National state of coast reports</li> <li>– State of the coast report – WIOMSA</li> </ul>	Chair/Nairobi Convention Secretariat/WIOMSA/IOC-UNESCO/ASCLME
<b>15:30</b>	<b>Coffee Break</b>	
15:50	11. Continuation on presentations of regional programmes <ul style="list-style-type: none"> <li>– East Africa datasets – IOC-UNESCO</li> <li>– Large Marine Ecosystems - ASCLME</li> </ul>	Chair/Nairobi Convention Secretariat/WIOMSA/IOC-UNESCO/ASCLME
16:10	12. Overview and plenary session on the existing assessments in the region (based on AoA findings and information submitted by states or regional organizations)	Chair/R. Ruwa
17:30	13. Wrap-up of day 1	Chair
<b>DAY 2</b>	<b>THURSDAY 2/08/2012</b>	
09:00	14. Group discussions on capacity building needs on: <ul style="list-style-type: none"> <li>– Existing assessments capabilities</li> <li>– Important un-accessed/un-assessed data</li> <li>– Capacity building needs i.e. institutional, experts, data collection</li> <li>– Data gaps that need to be addressed</li> </ul>	Chair/Rapportuers of the two groups

<b>10:40</b>	<b>Coffee Break</b>	
11:00	15. Group discussions and drafting of the summary reports	Chair/Rapportuers of the two groups
<b>12:30</b>	<b>Lunch Break</b>	
14:00	16. Group discussions and drafting of the summary reports	Chair/Rapportuers of the two groups
15:00	17. Plenary session and presentation of summary reports by the two groups	Chair/Rapportuers of the two groups
<b>15:45</b>	<b>Coffee Break</b>	
16:05	18. Presentations of the summary reports by the two groups	Chair/Rapportuers of the two groups
17:30	19. End of day 2	
<b>DAY 3</b>	<b>FRIDAY 3/08/2012</b>	
09:00	20. Summary of Day 2	Chair
09:30	21. Finalization of the summary report	Chair
<b>10:40</b>	<b>Coffee Break</b>	
11:00	22. Way forward	Chair/UNEP
11:30	23. Any other business	All
12:00	24. Closure of the workshop	Chair
<b>12:30</b>	<b>Lunch Break</b>	



**Capacity Building workshop under the UN Regular Process for global reporting and assessment of the state of the marine environment, including socio-economic aspects on 1-3 August 2012 in Maputo, Mozambique.**

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