



**IMPLEMENTING THE STRATEGIC ACTION PROGRAMME FOR THE YELLOW SEA LARGE MARINE ECOSYSTEM: RESTORING ECOSYSTEM GOODS AND SERVICES AND CONSOLIDATION OF A LONG-TERM REGIONAL ENVIRONMENTAL GOVERNANCE FRAMEWORK
(UNDP/GEF YSLME Phase II Project)**

UNDP/GEF/YS/MSTP/ICC.1/4
English only

1st Meeting of the Management, Science and Technical Panel (MSTP-1)

1st Meeting of the Interim Commission Council (ICC-1)

Koreana Hotel, Seoul, RO Korea, 11-13 July 2017

Workplan (2017-2019) for the Six Regional Working Groups (RWGs)

1. This document was prepared by the Secretariat in accordance with the draft TORs of the Regional Working Groups (RWGs) (Doc. UNDP/GEF/YS/MSTP/ICC.1/2)

Recommendation:

2. The Secretariat recommends that:
 - a. the 1st Meeting of the MSTP:
 - i. review, discuss and provide guidance on the draft workplans for the six Regional Working Groups (RWGs) for implementation by PMO and RWGs; and
 - ii. request the 1st Meeting of the Interim Commission Council (ICC) to approve the draft workplans of the six RWGs as revised;
 - b. the 1st Meeting of the YSLME ICC:
 - i. approve the revised workplans for the six RWGs;
 - ii. request PMO to coordinate the implementation of the workplans of the six RWGs; and
 - iii. request RWGs to implement the regional workplans and report progress of implementation to next meeting of the Management, Science and Technical Panel (MSTP).

Workplan for RWG on Assessment and Monitoring

Key deliverables

1. Technical report on trend in N/P/Si ratio and its impacts on the marine and coastal ecosystem structure
2. Technical report on climate-induced ecosystem changes in the Yellow Sea and adaptive management strategies
3. Regional jellyfish and HAB monitoring programs established and implemented in collaboration with partners

Objectives

1. To harmonize monitoring and assessment methodologies and to improve understanding of the N/P/Si ratios and impact on marine and coastal ecosystem
2. To improve understanding of the impact of climate change on ecosystem structure
3. To improve the monitoring capacity and awareness of jellyfish and HAB

No.	Description of Activities	Duration	Start	Finish
1	Objective 1. To harmonize monitoring and assessment methodologies and to improve understanding of the N/P/Si ratio and impact on marine and coastal ecosystem	'17 - '19	2017	2019
2	Act 1. Harmonizing monitoring and assessment methodologies	'17 - '18	2017	2018
3	- Review existing monitoring and assessment methodologies being used in both countries			
4	- Coordinate review of monitoring and assessment methodologies by NWG-A			
5	- Agree on monitoring and assessment methodologies			
6				
7	Act 2. Developing a technical report on long-term trend N/P/Si ratios and its impact	'17 - '18	2017	2018
8	- Provide guidance on consultancy to develop technical report on N/P/Si ratio and its impact			
9	- Review draft technical report and provide comments for revision			
10	- Coordinate review of technical report by NWG-A			
11	- Review and provide recommendation to ICC on follow-up actions			
12				

13	Act 3. Developing regional strategy for long-term ecosystem forecast	'17 - '19	2017	2019
14	- Provide guidance to consultancy to develop regional strategy with modelling and scenario analysis			
15	- Review draft regional strategy prepared by a consultant for revision			
16	- Coordinate review of regional strategy by NWG-A			
17	- Guide a consultant to finalize the regional strategy by reflecting comments made by NWGs			
18				
19	Objective 2. To improve understanding of the impact of climate change on ecosystem structure	'17 – '17	2017	2017
20	Act 1. Raising awareness of vulnerabilities to impact of CC			
21	- Work in parallel with activity 2 of Output 1.3.2.			
22	- Assist a consultant to prepare communication package on vulnerability to impact of CC			
23	- Review draft communication package prepared by a consultant for revision			
24				
25	Act 2. Monitoring and assessing impact of CC	'17 – '17	2017	2017
26	- Coordinate with NWG-A to share existing information on impact of CC (e.g., stock-taking of vulnerabilities of coastal communities and ecosystems)			
27	- Provide guidance to a consultant with information provided by NWG-A			
28	- Review draft technical report on climate-induced ecosystem changes prepared by a consultant for revision			
29				
30	Act 3. Preparing regional adaptive management strategy	'17 - '19	2017	2019
31	- Coordinate consultancy to conduct studies on relationships between the changes in environmental condition of YSCWM, ecosystem function and structure communities			
32	- Provide guidance to a consultation reviewing of existing information available			
33	- Coordinate to review draft regional strategy for adaptive management			
34	- Finalize the report by the consultant with comments and suggestions made by NWGs			
35				

36	Act 4. Holding workshops/training programs on CC	'18 – '19	2018	2019
37	- Assist PMO in planning WSs and training programs, including identification and mobilization of resource persons, etc.			
38				
39	Objective 3. To improve the monitoring capacity and awareness of jellyfish and HAB	'17 - '19	2017	2019
40	Act 1. Creating regional monitoring program on Jellyfish and HABs occurrence	'17 - '19	2017	2019
41	- Provide guidance on consultancy to synthesize existing information in both countries			
42	- Coordinate monitoring, assessment and data sharing on monitoring program from both countries			
43	- Coordinate consultancy to develop national and regional monitoring methodologies of JBs			
44	- Finalize the report by the consultant with comments and suggestions made by NWGs			
45	- Review by MSTP and recommendation for adoption by ICC			
46				
47	Act 3. Developing regional monitoring strategy and programs on Jellyfish and HAB	'17 - '19	2017	2019
48	- Coordinate and provide guidance on consultancy to synthesize existing data, information and programs on monitoring of Jellyfish and HAB			
49	- Harmonization of monitoring methodologies and frequency, and data sharing mechanisms			
50	- Prepare and finalize the regional strategy/program and consultation with NWGs			
51	- Assist PMO in planning WSs with participation of experts as well as partners			

Draft Workplan for RWG on Fish Stock

Key deliverables

1. Methodologies of joint stock assessment and data management protocols
2. Technical report on status of stocks of selected species in YS using harmonized assessment methodologies and recommendations on new targets and actions to improve management effectiveness of licensing, closure and restocking measures
3. Training module on stock assessment and fish restocking

Objectives

1. To assess the progress of SAP Target 1 implementation and make recommendations on targets and actions in the updated SAP
2. To enhance capacity of national and local governments in Monitoring and assessment of fish stocks, and effectiveness of licensing, closure and restocking management

No.	Description of Activities	Duration	Start	Finish
1	Objective 1. To assess the progress of SAP Target 1 implementation and make recommendations on targets and actions in the updated SAP	'17 - '19	2017	2019
2	Act 1. Harmonize stock assessment methodologies and data management protocols	'17 - '17	2017	2017
3	- Review of stock assessment methodologies in the two countries			
4	- Identify opportunities for joint stock assessment or assessment using harmonized methodologies			
5	- Coordinate consultation with NWGs on the joint assessment methodologies			
6	- Review and adopt the joint assessment methodologies by MSTP			
7				
8	Act 2. Assess effectiveness of license system and recommendations	'17 - '19	2017	2019
9	- Provide advice on the assessment of the effectiveness of license system (legal and policy adequacy, institutional capacity, individual capacity, availability of capacity, fish landing over years)			

10	- Conduct peer review of the assessment report for improvements			
11	- Present for review by MSTP and make recommendations for improvements of the license system by ICC			
12				
13	Act 3. Review of socio-economic implications of fishing boat buy-back scheme and prepare policy recommendations	'17 - '19	2017	2019
14	- Provide advice to consultancy on assessment of socioeconomic implications of implementation of fishing boat buy-back scheme			
15	- Review of assessment report and provide comments for revision			
16	- Coordinate the review of the assessment report and policy recommendations by the MSTP			
17	- Present the assessment report and policy recommendations for adoption by ICC			
18				
19	Act 4. Conduct joint stock assessment and analyze data on selected species	'17 - '19	2017	2019
20	- Review and agree on time, route, species, members and cost-sharing mechanism to conduct joint assessment			
21	- Conduct joint stock assessment			
22	- Analyse data and prepare assessment report by RWG			
23	- Conduct technical review by RWGs and MSTP and formulate recommendations			
24	- Review and adopt report of status of stocks of selected species in YS using harmonized assessment methodologies and recommendations of improvement measures for buy-back scheme, license system and closure by ICC			
25	- Provide inputs to updated YSLME SAP			
26				
27	Objective 2. To enhance capacity of national and local governments in Monitoring and assessment of fish stocks, and effectiveness of licensing, closure and restocking management	'17 – '19	2017	2019
28	Act 1. Prepare training module on stock assessment, fish restocking and forecast impact of climate change on the distribution of fisheries in the YS	'17 – '19	2017	2019

29	- Consensus on key elements of training modules, expected outcomes and teams			
30	- Provide comments for revision and finalization of the training module			
31				
32	Act 2. Regional training in stock assessment, fish restocking and replanting sea grass/macro-algae	'17 - '19	2017	2019
33	- Facilitate to organize RWG meeting and training workshops			
34	- Lecture in training programs and assessment feedback			
35	- Assist in finalizing training report			
36				
37	Act 3. International experience sharing on science-based fishery management, livelihoods development, and study visit to improve techniques of artificial reefs construction and placement	'19 – '19	2019	2019
38	- Provide guidance PMO in planning and organizing workshops and conferences on ecosystem-based fishery management, livelihoods development			
39	- Conduct workshops and lecture in training programs			
40	- Assist in finalizing workshop proceedings and training reports for future dissemination Into other LMEs			
41				
42	Objective 3. To improve the monitoring capacity and awareness of jellyfish and HAB	'17 - '19	2017	2019
43	Act 1. Creating regional monitoring program on Jellyfish and HABs occurrence	'17 - '19	2017	2019
44	- Provide guidance on consultancy to synthesize existing information in both countries			
45	- Conduct field work to visit artificial reefs in both China and ROK			
46	- Facilitate conduct of conferences and workshops			
47	- Assist in finalizing workshop and conference proceedings and reports, publish proceedings			

Draft Workplan for RWG on Governance

Key deliverables

1. Training modules on CBA to be applicable to the YS region
2. Strategy report on building institutional framework including YSLME Commission
3. Training modules for better implementation of multilateral environmental agreements including EBM
4. Regional guideline to incorporate FAO Code of Conduct for Responsible Fisheries

Objectives

1. To enhance capacity of governments at different levels to apply economic analysis in investment decision making
2. To guide relevant RWGs and coordinate efforts in the development of institutional, policy and financial framework of the YS Commission
3. To advise on the means and approaches for full participation of DPRK for participatory implementation of YSLME project and SAP
4. To enhance coordination of bilateral fisheries agreement between two countries

No.	Description of Activities	Duration	Start	Finish
1	Objective 1. To enhance capacity of governments at different levels to apply economic analysis in investment decision making	'17 - '19	2017	2019
2	Act 1. Developing training modules on CBA	'17 - '18	2017	2018
3	- Consensus on key elements of a training module, expected outcomes of each training module and identification of collaborators and consultants			
4	- Provide comments on draft training modules for revision and finalize			
5	- Review by MSTP and recommendation for adoption by ICC			
6				
7	Act 2. Organizing technical trainings on CBA	'18 - '19	2018	2019
8	- Assist PMO in planning training WSs, including identification and mobilization of resource persons, preparation of training evaluation template etc.			
9	- Conduct technical trainings on CBA (link with Activity 1 of Output 1.3.4)			
10	- Assist in finalizing training reports			

11	- Review and provide recommendation to ICC on follow-up actions			
12				
13	Act 3. Conducting pilot CBA and valuation studies	'17 - '19	2017	2019
14	- Provide guidance to consultants on review of existing information of IMTA demonstration, impacts of modification of marine habitats and effectiveness of fishing			
15	- Review of draft reports and provide comments for revision by consultants			
16	- Coordinate review of draft reports by RWG-F and H			
17	- Review by MSTP and recommendation for adoption by ICC			
19				
20	Objective 2. To guide relevant RWGs and coordinate efforts in the development of institutional, policy and financial framework of the YS Commission	'17 – '19	2017	2019
21	Act 1. Establishing YSLME Commission	'17 – '19	2017	2019
22	- Provide guidance to consultancy on roadmap concept paper containing information relevant to legal personality			
23	- Review by MSTP and recommendation for adoption by ICC			
24	- Prepare/update terms of reference of the YSLME Commission and its subsidiary bodies			
25	- Assist PMO in organizing WSs to share ideas on building institutional framework composing of YSLME Commission, Secretariat and its subsidiary bodies			
26	- Review by MSTP and recommendation for adoption by ICC			
27				
28	Act 2. Securing financial operation costs for YSLME commission	'18 – '19	2018	2019
29	- Provide guidance on consultancy to assess operational costs of YSLME Commission In collaboration with PMO			
30	- Agree on sources of funding to cover costs of operations of the Commission and implementation of the YSLME SAP			
31	- Provide comments for revision by consultants to discuss on MSTP and recommendation for adoption by ICC			
32	- Coordinate review of the report by RWG-G			
33	- Assist PMO in organizing WSs to seek ways for sustainable financing of the Commission			

34	- Review by MSTP and recommendation for adoption by ICC			
35				
36	Act 3. Building and reforming institutional, policy and financial framework	'18 - '19	2018	2019
37	- Provide guidance to consultancy to update the TDA and YSLME SAP in relation to institutionalization of the YSLME Commission			
38	- Review of draft TDA and SAP in relation to institutional, policy and financing framework of the Commission			
39	- Coordinate review of draft strategy report by NWG-G			
40	- Integrate recommendations into YSLME SAP and review by MSTP and recommendation for adoption by ICC			
41				
42	Objective 3. To advise on the means and approaches for full participation of DPRK for participatory implementation of YSLME project and SAP	'17 - '18	2017	2018
43	Act 1. Finding ways for full participation of DPRK	'17 - '18	2017	2018
44	- Assist PMO in organizing a WS to identify ways and means to engage DPRK's full participation			
45	- Assist a consultant to prepare recommendations including means and approaches to engage DPRK			
46	- Review and prepare recommendation for review and recommendation for adoption by MSTP			
47	- Present recommendation for adoption for ICC			
48				
49	Objective 4. To enhance coordination of bilateral fisheries agreement between two countries	'17 - '19	2017	2019
50	Act 1. Developing training modules for better implementation of multilateral environment agreement including EBM	'17 - '18	2017	2018
51	- Provide guidance to a consultant to review and identify gaps between domestic and regional and global standards on EBM			
52	- Assist a consultant on developing training modules on multilateral environment agreement including EBM			
53	- Provide comments for revision by consultants and coordinate review of the training			

	modules by RWG-G			
54	- Review by MSTP and recommendation for adoption by ICC			
55				
56	Act 2. Developing regional guidelines in line with FAO Code of Conduct for Responsible Fisheries	'17 - '19	2017	2019
57	- Provide guidance to a consultant to develop regional guidelines for incorporating Code of Conduct for Responsible Fisheries			
58	- Provide comments for revision by consultants to discuss on MSTP and recommendation for adoption by ICC			
59	- Coordinate with NWG-G on providing technical assistance to develop national standards and management measures			
60				
61	Objective 5. To strengthen partnership with regional co-operative institutions	'17 - '19	2017	2019
62	Act 1. Holding regional workshops	'17 - '19	2017	2019
63	- Assist to hold regional WS presenting activities on CC, ML and fisheries related issues with partners			
64	- Assist to prepare report/proposals on possible enhanced cooperation with partners			
65	- Coordinate with a consultant to design, establish, maintain and support an interactive YSLME partnership portal			

Draft Workplan for RWG on Habitat

Key deliverables

1. Regional biodiversity conservation plan
2. Regional guideline for assessment of coastal and marine ecosystem restoration projects
3. Rationalized network of MPA in YSLME that integrate the principles of connectivity
4. A training module on habitat-based and food-chain based approaches for habitat conservation
5. Conduct of three YSLME MPA forums

Objectives

1. To develop regional conservation plan for biodiversity
2. To develop regional guidelines for assessment of effectiveness of coastal and marine ecosystem restoration projects
3. To improve the effectiveness of YSLME MPA Network
4. To develop the capacity and public awareness of benefits of biodiversity conservation

No.	Description of Activities	Duration	Start	Finish
1	Objective 1. To Develop regional conservation plan for biodiversity	'17 - '18	2017	2018
2	Act 1. Conducting rapid assessment of coastal and marine habitats	'17 - '18	2017	2018
3	- Provide guidance to consultancy on synthesis of conservation efforts of priority sites identified by YSERP of WWF and identify conservation gaps			
4	- Review of draft report and provide comments for revision by the consultant			
5	- Coordinate review of draft assessment report by NWG-H and integrate comments in the report			
6				
7	Act 2. Identifying approved reclamation up to 2015 in each country and further reclamation from 2016	'17 - '18	2017	2018
8	- Provide guidance to consultancy to review existing information on reclamation up to 2015 and from 2016 on			
9	- Review of draft report and provide comments for revision by the consultant			
10	- Coordinate review of draft report by NWG-H and finalize with comments reflected			
12				
13	Act 3. Developing regional BD conservation plan	'17 - '18	2017	2018
14	- Provide guidance to consultancy for outcomes of Activity 1 for preparation of regional BD conservation plan			
15	- Review draft regional plan and provide comments for revision by the consultant			
16	- Coordinate to review of draft regional plan by NWG-H and finalize with comments reflected			
17	- Review by MSTP and recommendation for adoption by ICC			
18				
19	Act 4. Conducting a regional BD conservation workshop	'17 - '18	2017	2018

20	- Assist PMO in planning 3-days regional WS, including identification and mobilization of resource persons, etc.			
21	- Assist in finalizing WS proceeding			
22	- Assist to disseminate proceeding to NFPs			
23				
24	Objective 2. To develop regional guidelines for assessment of effectiveness of coastal and marine ecosystem restoration projects	'17 – '19	2017	2019
25	Act 1. Harmonizing valuation methodologies, standards and guidelines	'17 – '17	2017	2017
26	- Provide guidance to consultancy with relevant information to prepare regional guidelines for assessment			
27	- Review of draft guideline and provide comments for revision by the consultant			
28	- Coordinate review of draft guideline by NWG-H and finalize with comments reflected			
29				
30	Act 2. Conducting regional and national workshops	'17 – '19	2017	2019
31	- Assist PMO in planning regional and national WSs, including identification and mobilization of resource persons, etc.			
32	- Assist in finalizing WS proceedings			
33				
34	Objective 3. To improve the effectiveness of YSLME MPA Network	'17 - '19	2017	2019
35	Act 1. Conducting regional training seminars on enhancing connectivity	'17 - '19	2017	2019
36	- Assist PMO in planning regional and national WSs, including identification and mobilization of resource persons, etc.			
37	- Assist in finalizing WS proceedings			
38				
39	Act 2. Revising/updating the MPA development tools and implementation for increased connectivity	'18 - '19	2018	2019
40	- Provide guidance to consultancy for development of tools, and implement for increased connectivity			
41	- Assist a consultant to prepare report on MPA development with connectivity			
42	- Coordinate review of draft report by NWG-H and finalize with comments reflected			

43				
44	Act 3. Conducting YSLME MPA annual meeting for 3 year WP	'17 - '19	2017	2019
45	- Assist PMO in planning regional and national WSSs, including identification and mobilization of resource persons, etc.			
46	- Assist in finalizing WS proceedings			
47				
48	Objective 4. To develop the capacity and public awareness of benefits of biodiversity conservation	'17 - '19	2017	2019
49	Act 1. Analysing country coastal management guidelines and identification of conservation areas	'17 - '18	2017	2018
50	- Provide guidance to a consultant to review and agree on assessment scopes and methodologies			
51	- Assist a consultant to collate country management guidelines and identification of conservation areas according to planning zones			
52	- Coordinate review of draft report by NWG-H and finalize with comments reflected			
53				
54	Act 2. Preparing training modules of habitat-based and food-chain based approaches for habitat conservation	'17 - '19	2017	2019
55	- Provide guidance to a consultant on survey and produce overlays to analyze gaps and conservation needs of critical species and habitats			
56	- Coordinate review of draft training module on habitat and food chain based approaches for habitat conservation by NWG-H and finalize it with comments reflected			
57	- Assist PMO in planning regional training WS, including identification and mobilization of resource persons, etc.			
58	- Review by MSTP and recommendation for adoption by ICC			

Draft Workplan for RWG on Mariculture

Key deliverables

1. High proficiency IMTA successfully demonstrated in three sites in Shandong and Liaoning, PR China
2. Regional guidelines for sustainable mariculture (IMTA, Bio-Floc, Shellfish restoration in tidal flat, etc) and GAP of IMTA
3. Training module of IMTA published
4. Conduct of three international conferences and training programs on sustainable mariculture

Objectives

1. To establish and optimize the integrated aquaculture of oyster, seagrass, abalone-seaweed and bioremediation technology for increased productivity and reduced marine environmental pollution per unit area
2. To prepare training module and promotion plan and organize conferences to disseminate IMTA knowledge YSLME-wide and to other regions
3. To standardize IMTA for commercialization at industrial scale

No.	Description of Activities	Duration	Start	Finish
1	Objective 1. To standardize IMTA for commercialization at industrial scale	'17 - '19	2017	2019
2	Act 1. Develop regional guidelines for sustainable mariculture	'18 - '19	2018	2019
3	- Agree on methodologies, process, collaborators and quality control mechanisms			
4	- Provide guidance to consultants on review of existing international and national guidelines on sustainable mariculture			
5	- Review of draft guidelines and provide comments for revision by consultants			
6	- Coordinate review of draft regional guidelines of sustainable mariculture by National Working Group on Sustainable Mariculture			
7	- Review by MSTP and recommendation for adoption by Interim Commission Council			
8				
9	Act 2. Develop GAP for IMTA	'18 - '18	2018	2018
10	- Agree on methodologies, process, collaborators and quality control mechanisms			
11	- Provide guidance to consultants on review of existing international and national guidelines on GAP of sustainable mariculture			

12	- Review of draft GAP and provide comments for revision by consultants			
13	- Coordinate review of draft GAP of IMTA by National Working Group on Sustainable Mariculture			
14	- Review by MSTP and recommendation for adoption by Interim Commission Council			
15				
16	Objective 2. To prepare training module and disseminate IMTA experiences and knowledge YSLME-wide and to other regions	'17 – '19	2017	2019
17	Act 1. Prepare an IMTA training module	'17 – '17	2017	2017
18	- Consensus on key elements of a training module, expected outcomes of each training module and identification of collaborators and consultants			
19	- Provide comments for revision and finalization of training modules			
20				
21	Act 2. Conduct IMTA training workshop in collaboration with IW: Learn and other partners	'18 – '18	2018	2018
22	- Assist PMO in planning training workshops, including identification and mobilization of resource persons, preparation of training evaluation template, promotional materials, etc.			
23	- Conduct IMTA training workshop and lecture in training courses			
24	- Assist in finalizing training reports and identification of replication potentials in other LMEs where YSLME can assist in replicating knowledge and experiences			
25				
26	Act 3. Survey of coastal areas suitable for operation of IMTA and economic analysis of benefits for replication across YS and China	'19 - '19	2019	2019
27	- Agree on methodologies/criteria and process of assessment and economic analysis of IMTA replication			
28	- Advise review of current situation of IMTA operations across YS and China, and assessment of replication potential			
29	- Advise valuation of ecosystem services of business-as-usual scenario and IMTA application scenario of potential replication areas			
30	- Review of assessment and valuation study results			
31				

32	Objective 3. To establish and optimize the integrated aquaculture of oyster, seagrass, abalone-seaweed and bioremediation technology for increased productivity and reduced marine environmental pollution per unit area	'19 - '19	2019	2019
33	Act 1. Establishing integrated aquaculture and bioremediation technology	'19 - '19	2019	2019
34	- Agree on selection criteria of demonstration sites			
35	- Advise on baseline assessment of demonstration sites			
36	- Assist in identifying technical assistance needs and preparation of capacity development plan			
37	- Conduct of site visit to monitor implementation of capacity development plan			
38	- Report progress of demonstration to MSTP			
39	- Prepare recommendation for replication and integration of good practices in the development process of regional guidelines for sustainable mariculture and BAP of IMTA			

Draft Workplan for RWG on Pollution

Key deliverables

1. Regional marine environment monitoring guidelines for implementation in assessing SAP implementation progress
2. Technical report on marine environment status and trend in YS as input to TDA and SAP
3. Regional marine litter (including microplastics) baseline survey report
4. Training module on contaminants from river-sea interaction and atmospheric deposition, and the carrying capacity of LME
5. Regional strategy for using wetland as nutrient sink

Objectives

1. To facilitate the establishment and operation of an YSLME marine environment pollution monitoring network
2. To enhance capacity of national and local government on monitoring, assessment and mitigation of land and sea-based contaminants
3. To harmonize regional marine litter (including microplastics) monitoring and assessment methodologies and advise on

approaches to reduce marine litter

No.	Description of Activities	Duration	Start	Finish
1	Objective 1. To facilitate the establishment and operation of an YSLME marine environment pollution monitoring network	'17 - '18	2017	2018
2	Act 1. Harmonize and implement monitoring methodologies	'17 - '18	2017	2018
3	- Guide the review of monitoring guidelines, plans and methodologies of marine environment pollution by the two countries			
4	- Organize RWG meeting to discuss means and approaches to harmonizing monitoring plans, techniques and methodologies			
5	- Review of methodologies by MSTP and approval by ICC			
6				
7	Act 2. Review existing guidelines and plan of national marine environment monitoring network and propose a YSLME environment pollution monitoring network	'17 - '18	2017	2018
8	- Assist to hold workshops to analyze current national marine environment monitoring plan and network by National Working Group			
9	- Guide the identification of a network of marine environment monitoring stations in YS based on agreed monitoring methodologies			
10	- Review by MSTP for adoption by ICC			
12				
13	Act 3. Implement and harmonize data and info sharing regarding sources and sinks of contaminants	'17 - '19	2017	2019
14	- Guide the review by consultants of available data and information on sources and sinks of contaminants, their status and trends of YS, and identify gaps and explore mechanism for data sharing and info sharing			
15	- Provide comments for revision and finalize the data and info sharing guidelines on atm-based, sea based and agri-based pollutants			
16	- Review for adoption by MSTP and endorsement by ICC			
17	- Provide guidance in generation of data products from shared data and update the			

	YSLME TDA and SAP			
18				
19	Objective 2. To enhance capacity of national and local government on monitoring, assessment and mitigation of land and sea-based contaminants	'17 – '19	2017	2019
20	Act 1. Develop regional strategy for use of wetland habitats to address land-based pollutants	'17 – '19	2017	2019
21	- Provide guidance on review of good practices in mainstreaming coastal wetland ecosystem services into pollutant reduction investment and urban development planning			
22	- Advise the identification and demonstration of use of wetland in pollution reduction			
23	- Coordinate the development of regional strategy for use of wetland habitats to address marine ecosystems			
24	- Facilitate the consultation within NWGs			
25	- Facilitate the review and adoption of the strategy by MSTP and endorsement by ICC			
26				
27	Act 2. Develop the capacity of local governments in accessing knowledge and services to mitigate marine litter and reduce contaminants through public-private partnership	'18 – '19	2018	2019
28	- Facilitate dialogues and seminars between marine scientists and coastal managers and financial institutions on PPP			
29				
30	Act 3. Prepare training module on carrying capacity of LME: contaminants from river-sea interaction and atmospheric deposition	'17 – '18	2017	2018
31	- Agree on the contents of the training module and participants and development of development plan			
32	- Facilitate the review of the training modules			
33	- Review and adoption of the training module by MSTP			
34				
35	Objective 3. To harmonize regional marine litter (including microplastics) monitoring and assessment methodologies and advise on approaches to reduce marine litter	'17 - '19	2017	2019

36	Act 1. Develop/adopt regional guidelines for monitoring, management, reduction of marine litter including microplastics	'17 - '18	2017	2018
37	- Provide guidance on review of current policies, regulations, guidelines together with current technologies for reducing marine litter (including microplastics)			
38	- Assist to prepare regional guidelines for monitoring and reduction of marine litter			
39	- Review by MSTP and recommendation for adoption by Interim Commission Council			
40	- Coordinate monitoring and assist in publishing a regional marine litter (including microplastics) baseline survey report			
41				
42	Act 2. Support demonstration and replication of the reuse, recycling and reduction of marine litter through capacity development and partnership development with private sector and communities	'17 - '19	2017	2019
43	- Advise on the selection of technical solutions and demonstration of loading assessment and recycling economy			
44	- Provide guidance on the review of current national and/or regional strategy of controlling pollutant discharge			
45	- Facilitate the organization of workshops to exchange experiences and good practices in reducing marine litter with innovative partnership, technologies and financing mechanisms			
46				
47	Act 3. Development of regional guidelines on control of marine litter (including microplastics)	'18 - '19	2018	2019
48	- Review of current policies and regulations together with current technologies for reducing marine litter (including microplastics)			
49	- Agree on marine litter (including microplastics) monitoring technology			
50	- Identify gaps of existing management policies based on stakeholder analysis			
51	- Coordinate to hold WS			
52	- Advise regional guidelines on control of marine litter (including microplastics)			