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**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.1/5

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

Project Monitoring and Evaluation Plan

1. This document was prepared by the Secretariat in compliance with UNDP project management requirements for monitoring and evaluation.

Recommendation:

2. The Secretariat recommends that:
 - a. the 1st Meeting of the MSTP:
 - i. review, discuss and provide advice and comments to the monitoring and evaluation plan; and
 - ii. request the 1st Meeting of the Interim Commission Council to approve the project monitoring and evaluation plan as revised;
 - b. the 1st Meeting of the YSLME ICC:
 - i. approve the revised project monitoring and evaluation plan;
 - ii. request PMO to integrate monitoring and evaluation activities in the TORs for subcontractors as appropriate; and
 - iii. request PMO and RWGs to implement the monitoring and evaluation plan and report progress of project implementation in accordance with the Plan.

UNDP/GEF YSLME Phase II Project

Monitoring and Evaluation Plan

Expected Results (Outcome & Output)	Indicators <i>With what indicators the quality of the result will be measured?</i>	Data Collection Methods	Time or Schedule and Frequency	Means of Verification: Data Source and Type <i>What method will be used to determine if the indicator target has been met?</i>	Responsibilities <i>Who will coordinate, collect, verify and analyse the collected information?</i>	Resources <i>What are the resources required and committed for carrying out planned monitoring activities:</i>	Risks and assumptions <i>What are the risks and assumptions? How will it affect the planned monitoring events and quality of data?</i>
Component 1: Ensuring sustainable regional and national cooperation for ecosystem based management, based on strengthened institutional structures and improved knowledge for decision making							
Outcome 1.1: Regional governance structure, the YSLME Commission established and functional, based on strengthened partnerships & regional co-ordination; wider stakeholder participation and enhanced public awareness	Status of YSLME Commission and subsidiary bodies at regional level	Country report/Interim Commission Council meeting report	Annual	Meeting reports Government approvals issued by the competent national authorities	PMO	N/A	External risks stem from the geopolitical situation and may result in one or more countries either not participating or participating only partially
Outcome 1.2.	Status of Inter-Ministerial		annual			N/A	Reorganization on

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Improved inter-sector coordination and collaboration at national level based on more effective IMCCs	Coordinating Committee (IMCC)	N/A		Meeting reports Joint management decisions	National Project Coordinators		the governmental agencies; it would be relatively stable during the 2 nd phase

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<p>Outcome 1.3:</p> <p>Wider participation in SAP implementation fostered through capacity building and public awareness</p>	<p>Number of the YS Partnerships; Number of activities on capacity building and public awareness</p> <p>Number of participants in capacity building activities</p>	N/A	annual	<p>Signed Partnership agreements;</p> <p>Active stakeholder participation in regional and national implementation of the SAP and NSAPs</p>	PMO	Staff time	<p>The partnership become YSLME's responsibility;</p> <p>All partners should be encouraged to take more responsibilities</p>
<p>Outcome 1.4:</p> <p>Improved compliance with regional and international treaties, agreements and guidelines</p>	Status of recognition and compliance to regional and international treaties and agreements	N/A	Annual	Regional Guidelines for implementing the FAO Code of Conduct;	National Project Coordinator	N/A	Government Ministries/departments unwilling to share development and management plans, unlikely given the history of collaboration established during the phase 1 project
<p>Outcome 1.5:</p> <p>Sustainable financing for regional collaboration on ecosystem-based</p>	Agreement on the financial arrangement for the YSLME Commission	Meeting proceeding	Annual	Letters of commitment: Agreement of YSLME Commission	National Project Coordinator	N/A	Internal & external financial situation does not allow sufficient

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management secured based on cost-efficient & ecologically effective actions							investment into the marine environment
Component 2: Improving Ecosystem Carrying Capacity with Respect to Provisioning Services							
Outcome 2.1. Recovery of depleted fish stocks as shown by increasing mean trophic level	Number of fishing boats decommissioned from the fleet in YSLME waters	National statistics	Annual	Government reports of boats decommissioned	National Project Coordinator	N/A	Government policy changes, making boat buyback a low priority. This is unlikely to happen
Outcome 2.2. Enhanced stocks through restocking and habitat improvement	Status of major commercially important fish stock from restocking and habitat improvement	Project Survey and government statistics	Biannual	Published reports of evaluations subcontractor and the RWG-F	RWG-F	Government co-financing Project budget	Difficulties in negotiating the cruises, causes delay or cancellation low probability due to past success in their organisation

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Outcome 2.3. Enhanced and sustainable mariculture production by increasing productivity per unit area as a means to ease pressure on capture fisheries	Type of mariculture production technology Level of pollutant discharge from mariculture operations	Project survey	Annual quarterly	Reviews of production data published by the RWG-M; Reviews of discharge data published by the RWG-M	RWG-M and subcontractor	Project budget	Mariculture enterprises unwilling to adopt IMTA in place of monoculture, this is considered of low probability
Component 3: Improving Ecosystem Carrying Capacity with respect to Regulating and Cultural Services							
Outcome 3.1. Ecosystem health improved through reductions in pollutant (e.g., Nutrient) discharge from land-based sources	Level of pollutant discharges particularly Nitrogen in YSLME tributaries	Sampling in demonstration sites	Quarterly	Monitoring reports and data published on the project website	RWG-P and Subcontractor	Project budget	Possible risk of non-compliance by polluting enterprises, considered a moderate risk
Outcome 3.2. Application of artificial wetlands to reduce the pollution discharge at the demonstration sites	Types of technologies applied for pollution reduction	Survey	Quarterly	Published reports on effectiveness of artificial wetlands in reducing nutrients	RWG-P and Subcontractor	Project budget	New techniques not widely adopted considered a moderate risk if publicising the outcomes of the demonstration sites is inadequate

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Outcome 3.3. Strengthened legal and regulatory process to control pollution	Status of legal and regulatory process to control pollution	Desk Review	Annual	National and provincial statutes	RWG-P and subcontractor	Project budget	Harmonization of legislation may take longer time than the project period
Outcome 3.4. Marine litter controlled at selected locations	Status of the control of marine litter at selected locations	Desk review	Annual	Published guidelines; Data and information contained in consultancy reports available via the project website	RWG-P and subcontractor	Project budget	There would be unwillingness to publically identify the sources of marine litter
Component 4: Improving Ecosystem Carrying Capacity with respect to Supporting Services							
Outcome 4.1. Maintenance of current habitats and the monitoring and mitigation of the impacts of reclamation	Areas of critical habitats Status of mitigation of reclamation impacts	Survey Desk review	Annual Annual	Consultant report Reports of the meetings of the RWG-H. Biennial state of the environment reviews	Subcontractor and RWG-H Subcontractor and RWG-H	Project budget Project budget	Provincial and Local Governments continue to encourage land reclamation. This is considered a moderately high risk

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Outcome 4.2. Stronger regional MPA network established and functioning	Level of ecological connectivity in expansion of the Yellow Sea MPA system.	Survey	Annual	Published GAP analysis for MPA network; Numbers of stakeholder groups represented in meetings or engaged as sub-contractors/partners in execution of SAP related activities	Subcontractor and RWG-H	Project budget	Provincial and local governments may not agree to the establishment of new MPAs
Outcome 4.3. Adaptive management mainstreamed to enhance the resilience of the YSLME and reduce the vulnerability of coastal communities to climate change impacts on ecosystem processes & other threats identified in the TDA and SAP	Status of incorporation of adaptive management of climate change regional strategies and in ICM plans for selected coastal communities	N/A	Annual	Demonstration project reports on the impacts of climate change; Provision of management measures facing to the challenges	RWG-A and subcontractor	Project budget	Lacking of scientific understanding of the impacts of climate change on marine ecosystem
Outcome 4.4. Application of Ecosystem-based	Status of Regional Monitoring Network for application of ecosystem-based community	N/A	Annual	Monitoring data reported to RWGs and lodged on project website			Data & information on the relevant monitoring and

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Community Management (EBCM) in preparing risk management plans to address climate variability and coastal disasters	management (ECBM)			Models developed and published; regional forecasts and scenarios of future conditions published	RWG-A and subcontractor	Project budget	research will not be fully opened & shared