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## UNDP/GEF PROJECT ENTITLED “REDUCING ENVIRONMENTAL STRESS IN THE YELLOW SEA LARGE MARINE ECOSYSTEM”

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English only

### **Fourth Meeting of the Regional Working Group for the Pollution Component** *Jeju, Republic of Korea, 11 -13 October 2007*

#### **Strategic Action Programme (SAP) Preparation**

1. According to the overall workplan, the Project has begun developing the SAP. The “TDA/SAP Training Module” developed by UN’s TRAINSEACOAST network gives the definition of SAP as:

“a negotiated policy document which should identify policy, legal and institutional reforms and investments needed to address the priority transboundary problems. Endorsed at the highest level, it establishes clear priorities for action to resolve the priority problems which were identified in the TDA. The preparation of a SAP is a cooperative process among the countries of the region.”
2. Given the definition, the Project has now focused its activities over the next two years on those that will be relevant to the development of the SAP, including the regional and national SAPs, i.e. activities that will eventually lead to formation of management actions, some of which will be included in the pilot demonstration phase during Project Year 5, for their feasibilities, efficiency and effectiveness in addressing Yellow Sea’s transboundary problems.
3. During the SAP Consultation Meeting (6-8 February 2007), “Carrying Capacity of the Ecosystem” was adopted as the central linkage in the SAP and was defined as, “the Services delivered by the Yellow Sea Large Marine Ecosystem in terms of Provisioning Services (fisheries, mariculture, and other extractive goods), Supporting/Regulating Services (carbon sink, nutrient balance, ecosystem stability) and Cultural Services (tourism, education, and religion).”
4. A three-step approach was proposed: a) identify environmental problems; b) set regional environmental targets; and c) propose management actions. While it was suggested that these three steps should be taken to develop the pollution section of the SAP, all steps should be considered simultaneously, if possible:
  - a) Identification of pollution-related problems and the associated technical and management issues (already done during TDA phase);

- b) Recommend realistic and achievable regional targets for pollution management (already done through SAP Consultation and two Ad-hoc Working Group Meetings); and
- c) Suggest suitable and sustainable actions for execution by political, technical, feasible, and legal bodies to address the causes of the pollution problems as identified in the Causal Chain Analysis (also done as in point b).

#### Ecosystem Quality Objectives or Regional Targets

5. During the First SAP Ad-hoc Working Group Meeting, experts outlined regional targets for all components.
6. For Pollution, the following were listed as possible targets that management actions should aim for:
  - China will reduce total loading from point sources 10% every 5 years.
  - International guidelines or directives of Codex alimentarius/Stockholm Convention/MARPOL were adopted, where appropriate, as both the reference conditions and regional targets for respective pollutants.
  - A historical reference of circa 1990 was used as a reference condition for nitrogen enrichment as this coincided with both an ideal diatom-based community and low frequency of HABs.
  - The silicate concentration was considered ideal in the 1980's in accordance with the diatom-based community existing at the time; a regional target of an improvement in the freshwater seasonal fluxes was set.
  - A historical reference condition of 1960's was accepted for marine litter - the time when synthetic/plastic/nylon waste was negligible. A regional target of reduced standing stock of litter was also proposed.
  - For contaminants that affected the cultural and tourism services, a "Blue Flag" system was adopted as the reference condition and reduction of pollutants to nationally acceptable levels for bathing beaches was accepted as the regional targets.
7. At the Second SAP Ad-hoc Working Group Meeting, the regional targets were reviewed and condensed into the following:
  - Meet regulations in Codex alimentarius / Stockholm Convention / MARPOL
  - Control of total loading to meet reference point (China will reduce total N loading from point sources 10% every 5 years)
  - Improve freshwater seasonal fluxes
  - Reduce standing stock of litter from current level (Increase public awareness; periodic clean ups)
  - Reduce contaminants, particularly in bathing beaches, to nationally acceptable levels

Members are invited to review the suggested regional targets and suggest possible improvements that may facilitate either the understanding or the measurement of achievement.

## Proposed Management Actions

8. During the Second SAP Ad-Hoc Working Group Meeting, a small group of experts reviewed the regional targets and outlined the management actions that are needed in order to achieve the previously mentioned regional targets. The group began with listing the ideal management actions, then listing the existing or already planned actions, and finally, based on their expertise, generally determining what management actions might be feasible to achieve the targets.
9. For Pollution, some of these actions included:
  - Monitoring and assessment, including N:P:Si ratios
  - Control of contaminants discharge and total loading
  - Need for new approach for treatment of nutrients
  - Adjusting freshwater flux to meet required Si levels
  - Reduction of waste entering the sea
  - Cleaning up marine litter
  - Harmonisation of legislation
  - More frequent dialogue between different government agencies
  - Mechanisms for freer cross-agency and cross-country data exchange

The detailed table of management actions is available in [Annex 1](#).

Because the SAP Ad-hoc Working Group consists of a limited number of experts, input from additional experts are needed, i.e. the RWG members.

Thus, members are invited to:

- 1) review the entire table of suggested management actions ([Annex 1](#));
- 2) check that the “feasible management actions by 2020” really are technically feasible (See section below on Feasibility Studies); and
- 3) suggest possible improvements that may improve the clarity and ease of “feasible management actions” for implementation.

## Feasibility Studies

10. Before selecting and testing the management actions, each action’s technical feasibility, and political and social acceptance must be assessed. **The RWG will be responsible for assessing the technical feasibility of the proposed management actions.**
11. Following the clarification of the actions from above, the RWG members should review the actions and conduct feasibility study for each proposed action.<sup>1</sup> One approach to accomplishing this may be:
  - The experts should consider whether there is or will be sufficient technical ability to perform the suggested action by 2020 (the target year).
  - The experts could score the actions based only on technical ability: (1) Not possible (2) Unlikely (3) Likely or (4) Very likely.
  - The experts should provide a rationale for their selection.
  - The experts should also comment on the action in terms of institutional and political obstacles.

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<sup>1</sup> Members need to review only the actions under “Feasible management actions by 2020” in Annex I.

*The RWGs should agree on how to carry out the technical feasibility study, then conduct the technical feasibility study for each action.*

#### Proposed Actions for Demonstration

12. During the Second SAP Ad-Hoc Working Group Meeting, experts drew up some guidelines to select: firstly, which management actions should be selected for demonstration; and secondly, how to choose the demonstration site (See [Annex II](#)).

13. **\*\*\*Prior to the 4<sup>th</sup> RWG-P Meeting, members are requested to review Annex I and the agreed "Selection Criteria for Demonstration Projects and Sites (Annex II)."\*\*\***

Based on the criteria and management action table (Annex I), members are requested to come prepared to the meeting to suggest some actions that should be demonstrated and provide guidance on possible activities to demonstrate each action. Some examples of possible demonstration activities for pollution-related management actions might be:

- activity to show effect of reduced nutrient input (management action) on ecosystem health, e.g. improved biodiversity health, or reduced jellyfish blooms; or
- activity to improve/harmonise/enforce pollution-relevant legislation, showing results of the efforts.

14. The proposed actions for demonstration will be advertised in a "Call for Proposals" that the PMO will put out in early 2008. The deadline for interested persons to submit proposal for demonstration activities is scheduled for end of May 2008. During June 2008, an external review panel will evaluate proposals and decide which ones to fund. Demonstration activities will then begin implementation soon after. Members are requested to suggest 3-5 neutral persons to serve as evaluators. PMO will contact the suggested persons, review their CVs, and form the evaluation panel.

15. The proposal submission format is attached as [Annex III](#). Members may provide comments on the format if they wish.

#### Schedule for SAP Preparation

16. The Second SAP Ad-Hoc Working Group Meeting agreed on the following schedule for SAP preparation:

- SAP Drafting Group Meetings will be held in December 2007, February 2008, and May 2008.
- Special RSTP and PSC Meetings will be convened in April 2008 to review the final draft of the SAP. Comments from these meetings will be incorporated by the Drafting Group into the final SAP document for governments to approve in the middle of 2008.
- Drafting of the National Yellow Sea Action Plans (NYSAPs) is a national responsibility and should be coordinated by the NPCs in their respective country. NYSAPs will be developed during 2008, and are expected to be ready for government approval sometime in 2008.

Expected Results

17. In summary, during the consideration of this Agenda, members should discuss and agree on:
- Regional pollution targets;
  - Pollution management actions;
  - Conduct technical feasibility study of the actions; and
  - Management actions to be demonstrated.



## **Annex I - Table of Management Actions**

Please download the separate file for Annex I from its own link.





## **Annex II - Agreed Guidelines for Demonstration Project and Site Selection**

- **Timing of Demonstration Activities**

Start September 2008 to December 2009

- **Selection Criteria for Demonstration Projects and Sites**

1. Selection of management actions to demonstrate (criteria are listed in order of importance; actions should satisfy at least some criteria)

- Effectiveness – easily obtainable results
- Ease of demonstrability of action - results are easily understood by general public, ease of dissemination
- Results that help raise public awareness
- Combination of technical and institutional actions should both be demonstrated
- Cross component action
- Transboundary nature of actions
- Opportunity to cooperate with other projects/organizations
- Co-financing

2. Site selection

- Appropriateness of site to demonstrate management actions
- Political willingness
- Stakeholder willingness to participate
- Replicability in other areas around the region

- **Procedure**

1. Proposal – to be submitted to the RWG
2. 2007 RWG - will propose candidate actions and sites considering the criteria above. Justification should be provided.
3. RSTP – will review and make recommendations
4. PSC - will decide.
5. PMO – will draw up contracts in consultation with NPCs



## Annex III

### Draft Format for Demonstration Activity Proposal Submission

#### 1. Background and Objectives

The UNDP/GEF Yellow Sea Large Marine Ecosystem (YSLME) Project aims to facilitate protection and sustainable use of marine and coastal resources in the Yellow Sea. To achieve this objective, the Project has identified management actions in its preparation of the Strategic Action Programme (SAP). It is expected that implementing the management actions will mitigate environmental problems in the Yellow Sea and improve its diverse ecosystems.

To illustrate the efficacy of the management actions, the YSLME Project will conduct demonstration activities of some of the key management actions. The demonstration activities are expected to test whether management actions work before they are adopted on a widespread basis. Specifically, the demonstration activities will examine and show the applicability, effectiveness, efficiency, and appropriateness of the proposed management actions.

The YSLME Project invites all interested organisations and institutions to submit a proposal for the demonstration activity. If interested in taking on this activity, please submit a proposal to the Project Management Office (PMO), following the instructions mentioned below.

**Geographic Scope:** The Yellow Sea Large Marine Ecosystem is defined in the Project Document as the body of water delineated at the south, by a line connecting the north bank of the mouth of the Chang Jiang (Yangtze River) to the south side of Cheju; at the east, by a line connecting Cheju Island to Jindo Island along the coast of the Republic of Korea; and to the north, a line connecting Dalian to Penglai (on the Shandong Peninsula). This latter line separates the Bohai Sea from the Yellow Sea and as a result is not included in this study.

#### 2. Eligibility and Guidelines for Application

- The proposed activities must be conducted in the Yellow Sea region.
- The activities must address environmental issues in the Yellow Sea with respect to the YSLME Project's objectives: Biodiversity, Ecosystem, Fisheries, and/or Pollution.
- Proposed activities must be the ones listed as, or closely related to, the "Agreed Management Actions for SAP Regional Targets." (See Appendix I.)
- The maximum implementation period of the project is 18 months. The project must be completed by December 2009 at the latest.
- Proponents can be any type of entities, including government organisations, research/academic institutions, NGOs, and private companies.
- An external review panel will evaluate proposals according to the "Selection Criteria" which are described in Section 5 of this document.
- **The deadline for proposal submission is 31 May 2008.** Late submissions will not be considered.

#### 3. Type of support provided

Grants will be provided in the form of financial assistance. The number of granted projects and the amount of each grant will be determined based on the technical and financial contents of the proposal and the availability of funds under the YSLME Project budget.

#### **4. Format for proposals**

The proposal should include the following information:

- Cover sheet
- Summary of proposed activity
- Introduction/problem statement
- Activity description
- Expected results
- References cited
- Workplan
- Budget
- Curriculum vitae
- Supporting documentation

The length of the proposal may be 5 to 8 pages (A4 paper, Arial, 11-point font with 1” margins), excluding cover sheet, project summary, references, workplan, budget, curriculum vitae, and supporting documentation. Further instructions for each section are described below.

##### **(a) Cover sheet (1 page)**

The cover page should list:

- Title of proposed demonstration activities
- Principal proponent’s name, institutional affiliation, full contact details, including telephone number and e-mail address
- The names and affiliations of any collaborators
- The date of proposal submission

##### **(b) Summary of proposed activity (maximum 1 page long)**

The summary should contain:

- Objectives of work to be undertaken
- Relevant “Regional Targets” and “Management Actions” to demonstrate
- Brief description of methodology (activities that will be carried out)
- Brief description of expected results

##### **(c) Introduction/problem statement (maximum 1 page)**

The introduction should describe:

- Target geographic area
- Current status of ecosystem conditions in the area
- Environmental problems in the area
- Relevant Regional Targets and Management Actions that need to be demonstrated in the proposed area

- Rationale for demonstration activity

**(d) Activity description (3-6 pages)**

This section should state:

- Objectives
- Proposed methodology
  - Activity design
  - Site selection, description, and justification
  - Field/laboratory methods to use
  - Facilities and/or equipments to use
  - Types of data analysis to be carried out

**(e) Expected results (maximum 1 page, or bulleted list)**

The expected results should be described in line with the Regional Targets, explaining how much the proposed project would contribute to achieving the Targets. The replicability of the project in other areas around the Yellow Sea region should be discussed. The effect on raising public awareness through implementing the project should also be discussed, if relevant.

**(f) References cited**

All references mentioned in the proposal should be cited according to any of the internationally accepted methods of citation.

**(g) Workplan**

The workplan should list all major activities, including the preparation and submission of the inception, interim, and final reports. A template for the workplan is attached as Appendix II (a) to this document.

**(h) Budget**

The budget breakdown should specify all the costs, as detailed as possible, incurred during the proposed project implementation, providing the information of unit cost and the number of units. The budget may include both personnel cost (i.e., salaries and wages) and non-personnel cost (e.g., purchase of equipments, supplies, travel). Any matching support should be listed, including financial and in-kind support. A sample budget is attached as Appendix II (b) to this document.

**(i) Curriculum vitae**

The curriculum vitae of the principal proponent (2 pages) and any collaborator(s) (1 page per person) should be included. The curriculum vitae should highlight the proponent's professional as well as academic experiences and expertise relevant to the proposed work.

**(j) Supporting documentation**

Any supporting documentation should be included, such as the letters of support from collaborators and/or relevant governments, that are relevant to the proposal.

## 5. Evaluation

The external review panel, consisting of regional experts, will evaluate proposals against the following criteria:

**(a) Selection of management actions to demonstrate (criteria are listed in order of importance; actions should satisfy at least some criteria)**

- Effectiveness – easily obtainable results
- Ease of demonstratability of action – results are easily understood by general public, ease of dissemination
- Results that help raise public awareness
- Combination of technical and institutional actions should both be demonstrated
- Cross component action
- Transboundary nature of actions
- Opportunity to cooperate with other projects/organisations
- Co-financing

**(b) Site selection**

- Appropriateness of site to demonstrate management actions
- Political willingness
- Stakeholder willingness to participate
- Replicability in other areas around the region

(The above criteria were agreed in the second SAP Ad-hoc Working Group [Hangzhou, China, 18-20 August 2007].)

## 6. Inquires

Inquires and correspondence should be directed to:

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## Appendix I. Report of the Second SAP Ad-hoc Working Group Meeting

[Attach report here.]

## Appendix II. Templates

(a) Workplan



temp for  
workplan.doc

(b) Budget (sample)



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