



Regional Working Group **BIODIVERSITY**



Global Environment Facility
United Nations Development Programme

Reducing Environmental Stress in the Yellow Sea Large Marine Ecosystem

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UNDP/GEF Project Entitled “Reducing Environmental Stress in the Yellow Sea Large Marine Ecosystem”

**Report of Fifth Meeting
Weihai, China, 2 - 4 September 2008**



About this publication:

This publication contains the report of the Fifth Meeting of the Regional Working Group for the Biodiversity Component, under the UNDP/GEF Project, “Reducing Environmental Stress in the Yellow Sea Large Marine Ecosystem.” The report includes a summary of the discussions and agreements from the Meeting. The biodiversity management actions are reviewed and mechanisms suggested for their implementation in the potential 2nd Phase of the project. Ongoing biodiversity surveys and management assessment in critical habitats are assessed and future activities suggested in the demonstration sites.

For reference purposes, this report may be cited as:

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REDUCING ENVIRONMENTAL STRESS IN THE YELLOW SEA LARGE MARINE ECOSYSTEM

**Report of the Fifth Meeting of the
Regional Working Group for the Biodiversity Component
UNDP/GEF Yellow Sea Project**

Weihai, China, 2 - 4 September 2008



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

UNDP/GEF/YS/RWG-B.5/3
Date: 9 October 2008
English only

**Fifth Meeting of the Regional Working Group
for the Biodiversity Component**
Weihai, China, 2 -4 September 2008

Draft Meeting Report

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1 OPENING OF THE MEETING

1.1 Welcome addresses

- 1.1.1 On behalf of the UNDP/GEF Yellow Sea Project, Mr Mark Walton, Project Officer, opened the meeting and welcomed the members of the Regional Working Group-Biodiversity (RWG-B) to Weihai, China.
- 1.1.2 Mr. Walton gave an update on the project's progress so far (finalised version of the SAP produced and endorsed in principle by the governments and initial development of 2nd Phase Document underway). He stated that this meeting would focus on two main activities: the selection of demonstration sites and management actions, and the 2nd Phase Document preparation. During the meeting participants will be reviewing the management actions/activities suggested by the experts during the 1st Phase 2 Working Group Meeting
- 1.1.3 Mr Walton also informed the meeting that members will have to discuss the follow-up activities for completed/ongoing actions such as the identification of representative Ramsar habitats. Other discussions would focus on the future activities like that of the Ramsar COP 10 meeting and agreement of a work plan for the forthcoming year. He reminded members that this is 4th year of the project, with only 1 year remaining for substantive achievements.
- 1.1.4 Mr. Youn-Ho Lee, the Chair of the Regional Working Group for Biodiversity, welcomed the group to Weihai, and thanked all participants for attending the meeting. He informed members that the meeting provided a stepping stone to YSLME 2nd phase and hoped to have a lively discussion and successful meeting to contribute to project's next phase. He thanked Chinese members for organising the meeting in Weihai.
- 1.1.5 Mr Xuelel Zhang welcomed all participants to Weihai and wished the meeting every success.

1.2 Introduction of members

- 1.2.1 Members and other participants were invited to introduce themselves, and gave a brief introduction on their background and roles in the Project. The list of participants is attached to this report as [Annex I](#).

2 ORGANISATION OF THE MEETING

2.1 Documents Available to the Meeting

- 2.1.1 Mr. Lee invited the Secretariat (Project Management Office) to introduce this agenda item.
- 2.1.2 Mr. Walton introduced the meeting's working and information documents prepared by the PMO (Document UNDP/GEF/YS/RWG-B.5/inf.1). The list of documents is attached as [Annex II](#).

2.2 Organisation of Work

2.2.1 Mr. Walton presented the provisional working programme for the meeting (Document UNDP/GEF/YS/RWG-B.5/inf.3). Chairperson suggested that more time be given to Agenda 5 and participants agreed

2.2.2 The meeting was conducted in English.

3 ADOPTION OF THE MEETING AGENDA

3.1 The Chairperson introduced the Provisional Agenda (Document UNDP/GEF/YS/RWG-B.5/1) and Provisional Annotated Agenda (Document UNDP/GEF/YS/RWG-B.5/2) prepared by the PMO.

3.2 There were no changes to the agenda, and the Meeting adopted the agenda which is attached as [Annex III](#) to this report.

4 EXPECTED OUTPUTS FROM THE 5TH RWG-B MEETING

4.1 The Chairperson invited the secretariat to present the expected outputs of the meeting (Document UNDP/GEF/YS/RWG-B.5/4).

4.2 Mr. Walton presented the list of expected outputs to be achieved by the meeting, providing some details for each agenda item's objective, reiterating the meeting's focus on considering the selection of demonstration sites and management actions and reviewing the activities for the 2nd Phase Project Document.

4.3 The members noted the expected outputs.

5 REVIEW OF COMPLETED AND ON-GOING BIODIVERSITY COMPONENT ACTIVITIES

5.1 Assessment of existing coastal wetlands in R. Korea and China

5.1.1 Mr. Gyung Soo Park and Mr. Zhang Xuelel reviewed the process of selecting representative habitats and reported on the Biodiversity Surveys in the selected representative habitats. The selection process of the representative habitats was documented in the country reports from the 2 consultants.

5.1.2 Mr. Gyung Soo Park described the survey techniques at the three sites and presented some initial survey data from the Han River Estuary site. Analysis of all the data had not been completed yet as surveying had only recently finished and samples had not yet been identified down to species level. He provided a timeline of sample identification by October and statistical analysis and final report by November

- 5.1.3 Mr Zhang Xuelel also informed participants of the survey techniques and variables measured at each site and described the survey problems with the grab sampler but informed participants that they would sample the benthos using an alternative method if the problems continued.
- 5.1.4 Members noted the information given and appreciated the clarifications given by the various participants

5.2 Assessment of management effectiveness in R. Korea and China

- 5.2.1 Ms. Young Rae Choi presented the work on the assessment of management effectiveness of short-listed ecologically important areas in ROK. She detailed the procedure of the assessment at the 3 potential demonstration sites and the Sinan Archipelago suggesting that when selecting the demonstration sites members should also think about: potential project leaders, partners, scope of activity, and accessibility to site.
- 5.2.2 For each site she provided an overview, an analysis of resource use, reviewed existing management, assessed the demonstration potential and suggested some demonstration activities. She finished up with an overview of the 4 sites. When asked which site she would select, she replied that her team were split and in terms of ease of accessibility and partners the Han River Estuary and Ganghwa Tidal Flat were probably better choices, but the local population was strongly against the introduction of MPA status some years ago. In contrast, at Garolim Bay the local population was interested in MPA status but obvious local partners were harder to identify and it was very remote.
- 5.2.3 Mr. Songlin Wang presented the assessment of habitat management in the three China sites. He interviewed stakeholders using the World Bank score card as a tool to assess management effectiveness. He also provided an overview of each site, their biodiversity significance, the threats, strengths and weaknesses of current management plans and required management actions.
- 5.2.4 He highlighted the strengths and weaknesses of each reserve area, informing members that in Yalu River Estuary Wetland National Nature Reserve the reserve managers have no right to use or manage the area, could provide no legal protection for the aquatic species and had no method of generating income potential as they did not own the land. In Changshan Islands the reserve area was very small and surrounded by mariculture leases that would be expensive to buy but stakeholder interest in pollution control was high. In the Roncheng coastal region, the community appeared to be aware of the benefits of preserving the seagrass and promoting seagrass friendly sustainable mariculture. Rongcheng Swan Lake, north of the surveyed area is a national nature reserve, managed by private enterprise which presents an opportunity for public-private demonstration partnership. However, pollution is a problem and it is only a small habitat area with lower biological diversity than other similar habitats in the area.
- 5.2.5 Members noted the information given and appreciated the clarifications given by the various participants.

5.3 Impact of stock enhancement on the genetic diversity of fleshy shrimp in the Yellow Sea

- 5.3.1 Ms. Lingling Wang presented the study examining the change in genetic diversity of fleshy shrimp (*Fenneropenaeus chinensis*) over the past 20 years. She suggested that although comparison of the data from past studies was difficult due to the different techniques used, the different study sites and the different sample numbers, the data did suggest that there was a slight loss of genetic diversity in both Korean and Chinese populations.
- 5.3.2 The current study using mtDNA suggested that: populations of *F. chinensis* are genetically homogeneous in Yellow Sea of China and Korea, although the Rizhao and Narod Island populations appear to be somewhat genetically distinct from other populations. In addition, no loss in genetic diversity was found in the shrimp populations sampled in 2008 compared with those in 2004. Interestingly a previous study in 2004 suggested that hatchery-raised seed from Dalian had a higher genetic diversity than naturally occurring populations. However, this may not be significant as the sample was from a single farm, and members suggested that the introduction of broodstock from the East or South China Sea stocks might cause the higher diversity.
- 5.3.3 After a lengthy discussion some re-analysis of the data was suggested. Conclusions were difficult to draw from this study in terms of policy on restocking activities as the results conflicted with the previous results. However, experts suggested that at least in Korea the current breeding practices in restocking projects would almost certainly result in a loss of genetic diversity.

5.4 Continued co-operation with the WWF on Yellow Sea Biodiversity Conservation

- 5.4.1 Mr. Sadayosi Tobai gave an overview of the publications of the YSEPP, the fact sheets and the newly released biological assessment report. He informed members of the progress of the YSESP Project (Yellow Sea Ecoregion Support Project).
- 5.4.2 He presented the three stage timeline for activities of the YSESP: Small grants to raise public awareness; demonstration activities; and dissemination/replication in other regions.
- 5.4.3 Mr. Tobai showed the location and activities of the small grants holders in the Yellow Sea and Bohai Sea
- 5.4.4 He outlined plans for an International Forum where Small Grant holders of both the YSESP and YSLME projects could exchange ideas on successful methods of raising public awareness of the benefits of biodiversity conservation.
- 5.4.5 Members noted the information given and expressed interest in co-operating with the YSESP/WWF project.

5.5 Contribution to the preparation of the Strategic Action Programme (SAP)

- 5.5.1 Mr. Walton updated the meeting on the progress of the SAP.
- 5.5.2 Mr Walton briefly explained that after a Consultation Meeting, 3 Ad-hocs Meetings, 2 Drafting group meetings, and a Special PSC meeting the result was a 40 page SAP document that had been endorsed in principal by the governments of China and ROK, but final endorsement was still pending.

6 SCIENTIFIC AND TECHNICAL INPUTS FOR THE 2ND PHASE PROJECT DOCUMENT

- 6.1 Review Management Actions**
- 6.2 Activities required under each management action**
- 6.3 Inputs for 2nd Phase Project Document**

- 6.3.1 The Chair invited Mr. Walton to explain these agenda items.
- 6.3.2 Mr. Walton briefly explained the timeline that needs to be followed in order to ensure a smooth transition from the current phase to the 2nd Phase. The first deadline was that a Project Identification Form (PIF) needs to be submitted to the 1st GEF council meeting next year. In order to prepare this PIF or pre-proposal, a fairly detailed budget with identified co-funding is required. To do this members need to identify; what are we going to do in the 2nd Phase, how are we going to do it and what the mechanism we are going to use to implement these activities. To obtain this information for the PIF from the SAP Management actions we need to breakdown those management actions to a more detailed level providing activities and an implementation mechanism.
- 6.3.3 Mr. Walton ran through the biodiversity management actions and the activities identified during the 1st Phase 2 Working Group (P2WG1) Meeting and explained that these activities were needed to work out the funding and co-funding required for each action. He requested members to review the activities.
- 6.3.4 Participants first familiarized themselves with the relevant targets and management actions documented in the SAP, and then proceeded to examine activities proposed from P2WG1.
- 6.3.5 Members reviewed the table providing some good inputs and better wording/ explanation of the activities. Some activities were deleted and some new ones added. The revised table is attached as [Annex IV](#).

7 ACTIVITIES TO BE IMPLEMENTED FROM 2009 ONWARDS

7.1 Information on the operational changes at UNOPS

- 7.1.1 Mr. Walton informed members of the operation changes at UNOPS, explaining than the recent slowdown in the processing of proposals and payments were due to these operational changes, in particular the use of HQCPC.
- 7.1.2 Mr. Walton explained that HQCPC is a panel that examines the awarding of contracts to institutions or individuals with previously awarded contacts in the

past 2 years of a cumulative value of USD >100,000. The usage of the this panel is due to an effort to increase transparency with in the organisation. However, the query and answer process from this HQCPC panel can slow the processing of contracts. The PMO apologised for the inconvenience this has caused and may cause in the future.

7.2 Selection of the demonstration sites

7.3 Selection of SAP management actions for demonstration

7.4 Implementation of demonstration activities

- 7.4.1 Mr Walton suggested that due to the interdependency of these three activities they ought to be considered together.
- 7.4.2 Mr. Walton suggested that both action and site should be selected: for maximum impact; ease of implementation, taking into account the willingness of the stakeholders, taking into account management effectiveness and impact on local population. Members should also bear in mind that local reserve managers need to be trained and the project want to do public awareness activities at the site.
- 7.4.3 Mr. Zhang suggested Rongcheng seagrass beds, the southern part in particular, ought to be selected due to the high biodiversity present, the willingness of the stakeholders, the fact that local government (Shandong and Rongcheng) have determined that this area should be protected and for the ease of access.
- 7.4.4 Members agreed and suggested that Swan Lake, located in north part of Rongcheng seagrass beds, should also be included in the demonstration site as this is a good complementary site, where seagrass bed and lagoon restoration is already taking place and the swans provided a good symbol for the area.
- 7.4.5 Ms. Choi proposed that both Han River Estuary and Ganghwa Tidal flat be considered as a single demonstration site where the project could implement a regional plan for involvement of stakeholders and improve existing public awareness activities.
- 7.4.6 Mr. Gyung Soo Park also suggested that this area was a good site because of the high biodiversity and the uniqueness of the river estuary, being the last unobstructed example in the west coast of ROK.
- 7.4.7 Members discussed the suitability of the size, and commented on the unwillingness of some stakeholders in the area to be considered for MPA status. Participants eventually agreed that the demonstration site should focus on the Ganghwa Southern Tidal Flat as this would involve a single municipality that would ease implementation especially as the local government leader was open to conservation activities. However, it should be made clear when advertising for proposals, that this is part of on an estuarine environment and any demonstration activities developed should eventually be upscaled to the Han River Estuary.
- 7.4.8 Members considered the management actions and activity table for the second phase of the project and after some discussion it was decided that only two possible actions could be successfully implemented at the Ganghwa Island site: MA 9-1: Establish and implement regional conservation plan to

preserve biodiversity, with the sub Activity: Develop management plan and targets for demonstration sites and MA 10-4: Promote public awareness of the benefits of biodiversity conservation.

- 7.4.9 Ms. Choi informed members that KORDI was developing a Regional Coastal Management Plan for the Ganghwa Island, concentrating on zoning and usage. Each municipality is required to establish these Regional Coastal Management Plans by the government although there is no deadline. The plan for Ganghwa Island will be finished by the end of the year and implemented from 2009 onwards. She further informed members that public hearings and stakeholder interviews have been held as part of the preparation of the Ganghwa Regional Coastal Management Plans.
- 7.4.10 Members discussed how to link the zoning plan, and it was decided that the contractor should work with local government, KORDI, and other stakeholders to improve the plan to include specific biodiversity/habitat targets.
- 7.4.11 For the Rongcheng Seagrass Site MA 9-1: Establish and implement regional conservation plan to preserve biodiversity, with the sub Activity: Develop management plan and targets for demonstration sites and MA 10-4: Promote public awareness of the benefits of biodiversity conservation was also suggested.
- 7.4.12 Mr. Songlin Wang suggested some technical actions that could be implemented in one year, including the mapping of the seagrass beds in Rongcheng area possibly by aerial photography, analysis of threats for the Swan Lake Lagoon could be carried out with Mashan Group and local government, and the development of a programme to monitor the recovery of the seagrass.
- 7.4.13 Members agreed that any of the suggested activities were suitable for demonstration purposes.

7.5 Training of managers at demonstration sites

- 7.5.1 Mr Walton asked members to suggest the options available for training of reserve managers.
- 7.5.2 Members thought that reserve managers was too narrow a category and should be widened to include stakeholders.
- 7.5.3 For the Ganghwa site, it was suggested that local government officers could be trained, but due to their frequent movement between departments there was little chance of long term sustainability. Members agreed the targeted stakeholders should be the fishermen, the pension owners, and the Ganghwa Tidal Flat Center employees. Training could focus on linkage of tidal flats and fisheries or methods of promoting ecotourism or monitoring. Gunsan Tidal Flat Research Center of NFRDI was suggested as a possible partner for the education of stakeholders as they offered ecoguide training.
- 7.5.4 For the Rongcheng site, members agreed that 3-5 employees of the Extension Centre for Fisheries Techniques plus representatives of the village farm and the Mashan Group should be targeted for training. Possible training partners included SOA or the training centre for MPA concept in

Xiamen. The development of lecture and reference materials was suggested, but members thought there may be some duplication with other organisations such as UNEP that provides MPA training material.

7.6 Public awareness at demonstration sites

- 7.6.1 Mr. Walton suggested there was a need to increase public awareness of the benefits and regulations around reserve areas.
- 7.6.2 For the Ganghwa site, it was suggested that a website could be developed to provide information on the biodiversity and other information on the area. A field guide for flora and fauna was also suggested.
- 7.6.3 Similar web-based information site was also suggested and development of a nature field guide was also suggested for Rongcheng. Other public awareness activities should address the village farm members.

7.7 Ramsar COP 10 and the Conservation of Wetlands Meeting

- 7.7.1 Mr Walton reminded members that the Ramsar COP 10 meeting was to be held between 28th October and 4th November 2008. He informed members that one day prior to the COP meeting the GETBOL forum was organising the “International Symposium on East Asian Coastal Wetlands” 27 October, 2008, Hotel Ceco, Changwon, Korea, during the first session entitled “Ecosystem of Coastal Wetlands: structure, function and services” our two consultants from ROK and China (Mr. G.S. Park and Mr. X.L. Zhang) involved in the identification of representative habitats and Mr. Walton will give presentations.
- 7.7.2 Mr. Walton informed participants that the project had rented a booth in the actual RAMSAR COP 10 (28 Oct – 4 Nov 2008) meeting and YSLME small grant holders had been invited to provide information on their activities within the booth.
- 7.7.3 He also suggested the possibility of hosting a workshop for stakeholders during the COP 10 meeting to hear opinions on what activities should be carried out at the demonstration sites. Members agreed that it maybe difficult to co-ordinate and should not be organized.

7.8 Other Activities

- 7.8.1 Mr Walton requested that member's come up with their own ideas for new activities.

- **No further ideas were forthcoming.**

8 WORKPLAN FOR 2009

- 8.1 **Based on the activities discussed during the course of the meeting, members created and agreed on a workplan for 2009 for submission to the next PSC Meeting ([Annex V](#))**

9 CANCELLATION OF 6TH RWG-BIODIVERSITY MEETING

9.1 The Chairperson invited members to consider replacing the 6th RWG-B Meeting and having a 2nd Regional Science Conference Sept/Oct 2009.

9.2 **Members agreed to cancel the 6th RWG-B Meeting and have a 2nd Regional Science Conference Sept/Oct 2009 instead. The location will be set by PMO.**

10 ADOPTION OF THE MEETING REPORT

10.1 The Chairperson led the discussion of the draft meeting report.

The report was reviewed, amended, and adopted by the Meeting.

11 CLOSURE OF THE MEETING

11.1 In closing, Mr. Lee thanked the members for their contribution to the meeting, and the PMO for arranging the meeting.

11.2 Following the closing statements, the Chairperson declared the meeting closed on 4th September 2008.

Annex I – List of Participants

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Annex II – List of Documents

Working Documents

UNDP/GEF/YS/RWG-B.5/1	Provisional Agenda
UNDP/GEF/YS/RWG-B.5/2	Provisional Annotated Agenda
UNDP/GEF/YS/RWG-B.5/3	Report of the Meeting (<i>to be prepared at the meeting</i>)
UNDP/GEF/YS/RWG-B.5/4	Expected Outputs From the 5 th RWG-B Meeting
UNDP/GEF/YS/RWG-B.5/5	2008 Completed and On-going Activities of the Biodiversity Component
UNDP/GEF/YS/RWG-B.5/6	Scientific and Technical Inputs for the Second Phase Project Document
UNDP/GEF/YS/RWG-B.5/7	Biodiversity Component Activities for 2009 and Onwards
UNDP/GEF/YS/RWG-B.5/8	Biodiversity Component's Workplan for 2009

Information Documents

UNDP/GEF/YS/RWG-B.5/inf.1	Provisional List of Documents
UNDP/GEF/YS/RWG-B.5/inf.2	Provisional List of Participants
UNDP/GEF/YS/RWG-B.5/inf.3	Provisional Working Programme for the Meeting
UNDP/GEF/YS/RWG-B.4/3	Report of "Fourth Meeting of the Regional Working Group for the Biodiversity Component"
UNDP/GEF/YS/RSP.4/3	Report of the "Fourth Meeting of the Regional Scientific and Technical Panel"
UNDP/GEF/YS/PSC.4/3	Report of the "Fourth Meeting of the Project Steering Committee"
UNDP/GEF/YS/Representative Habitats	Biodiversity Specialist reports on Representative Habitats
UNDP/GEF/YS/SAP	Draft Regional SAP

Annex III – Agenda

1. OPENING OF THE MEETING

- 1.1. Welcome Addresses
- 1.2. Introduction of Members

2. ORGANISATION OF THE MEETING

- 2.1. Documents Available to the Meeting
- 2.2. Organisation of Work

3. ADOPTION OF THE MEETING AGENDA

4. EXPECTED OUTPUTS FROM THE 5TH RWG-B MEETING

5. REVIEW OF COMPLETED AND ON-GOING BIODIVERSITY COMPONENT ACTIVITIES

- 5.1. Assessment of existing coastal wetlands in R. Korea and China
- 5.2. Assessment of management effectiveness in R. Korea and China
- 5.3. Impact of stock enhancement on the genetic diversity of fleshy shrimp in the Yellow Sea
- 5.4. Continued co-operation with the WWF on Yellow Sea Biodiversity Conservation
- 5.5. Contribution to the preparation of the Strategic Action Programme (SAP)

6. SCIENTIFIC AND TECHNICAL INPUTS FOR THE 2ND PHASE PROJECT DOCUMENT

- 6.1. Review Management Actions
- 6.2. Activities required under each management action
- 6.3. Inputs for 2nd Phase Project Document

7. DEMONSTRATION ACTIVITIES AND OTHER ACTIONS TO BE IMPLEMENTED FROM 2009 ONWARDS

- 7.1. Information on the operational changes at UNOPS
- 7.2. Selection of the demonstration sites
- 7.3. Selection of SAP management actions for demonstration
- 7.4. Implementation of demonstration activities
- 7.5. Training of managers at Demonstration sites
- 7.6. Public Awareness at Demonstration sites
- 7.7. Ramsar COP 10 and the Conservation of Wetlands Meeting
- 7.8. Other activities needed

8. WORKPLAN FOR 2009

- 9. PROPOSED CANCELLATION OF 6TH RWG-BIODIVERSITY MEETING FOR THE 2ND REGIONAL SCIENCE CONFERENCE**
- 10. ADOPTION OF THE MEETING REPORT**
- 11. CLOSURE OF THE MEETING**

Annex IV – Technical outputs for the Phase II (management activities)

		Activities	Implementation	GEF
Target 9: Maintenance and improvement of current populations/distributions and genetic diversity of the living organisms including endangered and endemic species	MA 9-1: Establish and implement regional conservation plan to preserve biodiversity	Regional evaluation of implementation of CBD and RAMSAR convention and country reports within the YSLME	3 person months* USD 8000 + travel 1 trips to 3 countries * USD 1000	34,000
		Develop explicit goals in the form of regional habitats and species targets and a biodiversity conservation plan in implementation of CBD, Ramsar and other conventions	3 person months* USD 8000	16,000
		Develop strategies and governance mechanisms to achieve regional habitat and species targets through expert group meetings	6 person months* USD 8000 + travel cost USD 10,000	32,000
		Develop management plan and targets for demonstration sites in first two years	3 Consultant*1 pm* *USD 8000	
		Monitoring of effectiveness of management plan at 1 demo site in each country	3 countries* 2 survey/yr* 3 years * USD 35,000	420,000
		Regional biodiversity monitoring along the coast line	3 countries* 2 surveys* 300,000 (CA)	0
		Evaluation of the progress of the Regional Conservation Plan	3 person months* USD 8000	
Target 10: Maintenance of habitats according to standards and regulations of 2007	MA 10-1: Develop regional guidelines for coastal habitat management	Analysis of country coastal management guidelines, identification of conservation areas according to planning zones.	3 Consultants* 1pm*USD 8000	8,000
		Establish a coordination group of experts, managers, and govt officials to develop regional guidelines	Expert Group discussion USD15000 & 1 consultant*1 pm * USD 8000	23,000
	MA 10-2: Establish network of MPAs	Identification of habitats of selected migratory species at the regional level	Coordinated Country Surveys and Referencing of existing data (CA) and Expert group discussion (USD 15,000)	
		Analysis of the linkages (both biological, migratory species, environmental and human) between current MPAs	Consultant* 3 pm* USD8000	16,000
		Gap analysis between current MPA system and conservation targets and identification of new MPAs involving govt consultation	3 consultants * 3 months* USD 8000	
		Establish new MPAs as part of the development of a regional representative MPA network	consultation process* USD15000	
		Establishment of network of MPA managers and NGO's and International organisations through Yellow Sea Partnership (YSP) programme and YSESP exchange forum		
		Regional training programmes (MPA managers and Govt officials)	USD15000*3 countries* 5 yrs	150,000

Target 11: Reduction of the risk of introduced species		Exchange programme (conservation managers)	6 conservation managers * travel (USD 600)& subsistence (USD1500) per yr	19,500
		Evaluation of management effectiveness	Consultant* 3 countries* 1 pm* USD8000 *2 years	24,000
		Regional workshops on sustainable use on MPAs	2 regional meetings * 22,000	22,000
	MA Management Action 10-3: Control new coastal reclamation	Identification of approved reclamation upto 2007 in each country, and any further reclamation approved since.	3 Consultant*1 pm* *USD 8000	16,000
		Improve enforcement of reclamation management	National working group of experts	
		Improve mitigation of reclamation effects: improvement of EIA process	National	
		Regional monitoring network of NGOs/stakeholders that provide data on new reclamation to YSP website	database management* 20,000	150,000
	MA 10-4: Promote public awareness of the benefits of biodiversity conservation	Sponsoring of network of NGOs to work together to promote Public Awareness	USD 60000 * 4 yrs	480,000
		Small grants for Biodiversity promotion	USD 60000 * 4 yrs	480,000
		Sponsoring of public awareness programmes at the Country Demonstration sites	USD 80,000 * 3 countries	160,000
		Regional training of tourism advantages around demo sites for local stakeholders	USD 15000 * 3 countries * 4yrs	120,000
		Regional training of MPA managers in public awareness activities	USD 30000 * 3 countries	60,000
		CBA of biodiversity conservation at demo sites	USD 30000 * 3 countries Move to governance	60,000
		Sponsoring YSP programme	USD 15,000 * 4 yrs	60,000
	MA 11-1: Control and monitor ballast water discharge	dealt in MA4-3		
	MA 11-2: Introduce precautionary approach and strict control of introduction of non-native species	Analyse gaps between national legislation and international guidelines, provide recommendations	Compare national regulations; Write guidelines for monitoring and quarantine procedures; consultant 1pm	8,000
		Conduct national monitoring and exchange information;		
		Make assessment on the trend of the introduced species in the region	Hold 2 forums to conduct joint assessment; publish reports; workshop 15,000/yr; consultant 1pm	115,000
		Mechanism to ensure early stakeholder consultation - public hearings for management plans	USD 60,000 per country	

Annex V – Condensed workplan

<u>Activity</u>	<u>Action</u>	<u>Timeline / Deadline</u>
<u>Shrimp Diversity and Restocking</u>	Final report	30 th Nov 2008
<u>Selection of Demonstration Sites</u>	Final report	1 st Nov 2008
<u>Implementation of Demonstration activities</u>	Selection of Demo Acts.	Sept 2008
	Contract or to start	early Dec. 2008
	Mid term report	
	Final report	Nov 2009
<u>Training of managers at Demonstration sites</u>	Activity	June 2009
	final report	August 2009
<u>Public Awareness at Demonstration sites</u>	Activities	2009
	Report	Nov 2009
<u>Ramsar COP 10 and the Conservation of Wetlands Meeting</u>	Meeting	Oct–Nov 2008
	Booth	Oct–Nov 2008
<u>NYSAP</u>		
drafting NYSAP	NPC and national members	2008
govt approval of NYSAP	govt	
<u>Project Phase 2 preparations</u>		
Working Session #2		Oct. 2008
Supporting services inputs to PIF		Oct/Nov. 2008
<i>others actions to be added</i>		
<u>6th RWG–E Meeting/2nd RSC</u>	PMO will arrange	Sept/Oct 2009