



# Regional Working Group **INVESTMENT**



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  
Shanghai, China, 14 - 16 October 2008**







About this publication:

This publication contains the report of the Fifth Meeting of the Regional Working Group for the Investment 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 agreed list of governance activities for the Project’s second phase is included, as well as recommendations to improve on-going activities conducted under the Investment Component.

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 Investment Component  
UNDP/GEF Yellow Sea Project**

**Shanghai, China, 14 - 16 October 2008**





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

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UNDP/GEF/YS/RWG-I.5/3  
Date: 16 October 2008  
English only

**Fifth Meeting of the Regional Working Group  
for the Investment Component**  
*Shanghai, China, 14 - 16 October 2008*

**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. Yihang Jiang, Project Manager, opened the meeting and welcomed the members of the Regional Working Group-Investment (RWG-I), and other participants to Shanghai, China. After informed the meeting of the recent development in Project implementation, Mr. Jiang mentioned that with the drafting of the Regional Strategic Action Programme (SAP) completed successfully, the Project had started planning for the implementation of the SAP--the Project's 2<sup>nd</sup> Phase--under the request of the Project Steering Committee (PSC). To attain GEF funding, the initial Project Identification Form and the Project Document should be developed. One of the most important tasks for this meeting was to provide inputs for preparing those documents.
- 1.1.2 Mr. Mingyuan Zhu, Chairperson of RWG-I welcomed the participants to the meeting. Referring to major agenda items to be discussed during this meeting, Mr. Zhu hoped that the members will provide constructive suggestions to improve proposed future activities to contribute to the 2<sup>nd</sup> Phase preparation.
- 1.1.3 On behalf of the Chinese participants, Mr. Fengkui Liang welcomed all participants to Shanghai. Mr. Liang indicated that the implementation of the project activities in 2008 has been very successful, including the co-operative cruises organised in January and August 2008, the preparation and agreement on the SAP, and initiation of PIF preparation.
- 1.1.4 On behalf of the Korean members, Mr. Hak-Bong Chang expressed his gratitude to meet the participants, especially the members from China. Mr. Chang hoped that the meeting will produce a number of outputs by having fruitful discussions and using the limited time effectively.

### **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 Documentation Available to the Meeting**

- 2.1.1 The Chairperson invited Project Management Office (PMO), Secretariat of the meeting, to introduce this agenda item. Mr. Isao Endo introduced the working and information documents prepared by the PMO with emphasis on the reports of completed and on-going activities under the Component as well as on the reference materials for the 2<sup>nd</sup> Phase preparation. The list of documents is attached as [Annex II](#).

### **2.2 Organisation of Work**

- 2.2.1 Mr. Endo presented the provisional working programme for the meeting. He informed that due to the nature of the agenda items to be discussed, the meeting would be organised in plenary as far as possible. Sessional working groups would be formed if deemed necessary.

2.2.2 The meeting was conducted in English.

### **3 ADOPTION OF THE MEETING AGENDA**

- 3.1 The Chairperson introduced the Provisional Agenda and Provisional Annotated Agenda prepared by the PMO.
- 3.2 The meeting adopted the agenda with no change, which is attached as [Annex III](#) to this report.

### **4 EXPECTED OUTPUTS FROM THE 5TH RWG-I MEETING**

- 4.1 The Chairperson invited the Secretariat to present the expected outputs from the meeting. Referring to Document UNDP/GEF/YS/RWG-I.5/4, Mr. Endo presented a list of the expected outputs, provided some details for each agenda item's objectives, and drew attention of participants to the main focal outputs that will be used in preparation of the 2<sup>nd</sup> Phase.
- 4.2 The Meeting noted the expected outputs presented by the Secretariat.

### **5 REVIEW OF COMPLETED AND ON-GOING INVESTMENT COMPONENT ACTIVITIES**

#### **5.1 Contribution to the preparation of the Strategic Action Programme**

##### *Political and Social Acceptance Analysis*

- 5.1.1 Ms. Goueun Lee and Ms. Ming Yu, Consultants of the Political and Social Acceptance Analysis (PSAA), gave presentations on the results of the PSAA for Republic of Korea (ROK) and for China, respectively.
- 5.1.2 After explaining the background and methodology of the study, Ms. Lee presented analytical results. She mentioned that the SAP was consistent with existing government policies and guidelines in terms of fisheries, pollution, ecosystem & biodiversity, and governance. However, Ms. Lee indicated that there were several aspects in which further efforts would be considered to improve the SAP. Specifically, she presented nine recommendations to be considered with respect to, for example, DPRK participation, close co-operation with relevant ministries, and capacity building of NGOs and local governments.
- 5.1.3 Ms. Yu presented the analytical results, stating that the SAP was consistent with China's legislation and policies. She mentioned that most management actions were supported by existing national plans and laws. Ms. Yu further presented specific comments provided by various stakeholders, and she suggested recommendations to address those comments. Ms. Yu concluded that in general, the SAP was accepted positively by stakeholders, although there were some issues to be addressed, including the lack of understanding among stakeholders of ecosystem-based approach that the SAP advocated.
- 5.1.4 Participants exchanged their views and opinions with the presenters, providing some suggestions to improve the PSAA reports.

- 5.1.5 After all questions raised by the participants were duly answered by the consultants, the Meeting thanked Ms. Lee and Ms. Yu for their works, and **suggested that all the comments provided by the participants to be reflected in the final drafts of the PSAA, and that the final drafts should be used as a reference to facilitate endorsement of the SAP by the participating countries.**

*Cost-Benefit Analysis of Demonstration Activities*

- 5.1.6 Ms. Wei Zheng, Consultant of economic analysis, presented the progress in conducting a cost-benefit analysis (CBA) of one of the SAP demonstration activities: Improvement of sustainable mariculture technique (integrated multi-trophic aquaculture).
- 5.1.7 Ms. Zheng explained the concept and methodology to be employed, describing the demonstration site in Sanggou Bay, based on the data and information provided by the Yellow Sea Fisheries Research Institute (YSFRI). She mentioned that the Analysis will be conducted in the close co-operation with YSFRI.
- 5.1.8 Participating economists provided a wide range of comments with respect to the methodology. Specifically, participants discussed the following issues: environmental benefits, valuation methods, discount rates, and externalities. A suggestion was made to use benefit-cost ratio rather than NPV to avoid the problem of scale in measured economic value when multiple alternatives would be compared. There was a discussion on the period of aggregating benefit and cost amounts. Participants suggested using several valuation methods, comparing results from different approaches to provide recommendation for the future activities. Having appreciated the comments, Ms. Wei told that she would consider them and apply suggested methodologies as much as possible to the CBA.
- 5.1.9 A suggestion was made to organise a sessional working group meeting with the economists to discuss and propose alternative methods to be employed to assess cost-benefit performance of the IMTA demonstration activity. The meeting agreed on this suggestion.
- 5.1.10 The working group reported the result of the discussion, providing possible alternative methods to evaluate cost-benefit performance of the mariculture demonstration activity. The group emphasised that it was important to review the availability of data to be analysed before selecting appropriate methods. Participants emphasized that the key issue of the CBA was to identify (select) appropriate methods to measure the environmental benefits to be generated from reduced amount of nutrient loads. As possible methods, the replacement cost method, the use of proxy variables, and the Emergy approach were suggested. The group then suggested the use of production function with various parameters (e.g., nutrients) incorporated. Simple regression analysis would suffice to estimate the relationship between, for example, nutrient loading and cultured fish production. Ms. Zheng and other participants noted the proposed methods, appreciating suggestions from the working group.
- 5.1.11 After some comments were exchanged and questions were duly answered, the **Meeting encouraged the consultant to further the analysis, considering the comments and suggestions provided by the participants as well as by the Sessional group.**

### *National Strategic Action Plans*

- 5.1.12 Mr. Zhu explained the NSAP preparation conducted by China, highlighting some of the major components of the Plan. The NSAP Working Group was formed with national government officials, natural scientists, social scientists, and local government officials. There were six working group meetings organised in 2008, leaving the final seventh meeting to be organised in November 2008. Mr. Zhu reported that the draft NSAP consisting of seven chapters was prepared already. Those chapters included the management actions for the period of 2009-2020 and the enforcement mechanism in line with the regional SAP. After discussing the final draft at the seventh meeting, the Working Group aimed at completing the NSAP and securing the government endorsement by the end of 2008.
- 5.1.13 Mr. Sukjae Kwon stated that NSAP Working Group was formed in ROK, and that the Group would prepare the structure of the NSAP, conduct consultation meetings with various stakeholders, and create the draft Plan for the government to review and endorse. He explained the methodology to be used in NSAP preparation: gap analysis, expert group meeting, and consultation meeting. Gap analysis was to identify the limitation or “gaps” between ideal and existing policies/actions. The expert group would be organised under the Working Group, which is in charge of drafting the NSAP. Mr. Kwon mentioned that the MLTM provided matching funds to co-finance the work. The Working Group aimed at preparing the NSAP by March 2009.
- 5.1.14 There was a concern raised about the delay in preparing the NSAP for ROK. The draft NSAP should be presented and discussed at the next RSTP/PSC meetings in November 2008. The NSAP preparation should be accelerated.
- 5.1.15 The Meeting noted the progresses made in each country and **suggested to speed up the process so as to complete the preparation of the NSAPs to provide inputs to the preparation of the documents for the 2<sup>nd</sup> phase on time.**

### *Approval of the regional SAP*

- 5.1.16 Representatives of the participating countries were invited to update the meeting on the status of the Regional SAP approval.
- 5.1.17 Mr. Huh mentioned that the draft SAP was sent to the relevant ministries in ROK. The Inter-Ministerial Co-ordination Committee (IMCC) meeting will further discuss the endorsement issue in November 2008. Mr. Huh had an impression that the government would be likely to endorse the SAP; there were neither negative comments nor objections provided by relevant agencies. Ministry of Foreign Affairs and Trade (MOFAT), GEF focal point, would send the endorsement letter to the PMO.
- 5.1.18 Mr. Liang informed the meeting that comments from relevant Chinese governmental agencies were solicited, and those comments were being analysed. Mr. Liang also informed that the formal request was sent to the Ministry of Finance for their consideration and approval. He added that it was likely to get the endorsement without major difficulties.
- 5.1.19 Considering the signing ceremony of SAP endorsement during the next PSC meeting, the meeting thought that it would be possible to hold the ceremony. The meeting **suggested inviting a government official at the Director General level (or his/her representative) of the GEF Focal Point in each participating country**

**to sign the MOU.** The meeting also **suggested inviting media to the PSC to report/broadcast the signing ceremony.** The PMO will contact relevant media agencies for necessary arrangements.

- 5.1.20 Having appreciated the efforts made by the National Project Co-ordinators (NPCs), and relevant ministries in the countries, the Meeting invited the governments to continue the national consultation in order to secure endorsement of the SAP.

## **5.2 Data and Information Management – Regional GIS Databases & Technical Workshop**

- 5.2.1 Mr. Zhu of the China-Korea Joint Ocean Research Center (CKJORC) explained the latest developments of the regional GIS databases, referring to the results of the technical workshop (Qingdao, China, 23-24 August 2008). Mr. Zhu detailed that there were several major improvements made, following the suggestions made by experts who attended the workshop. Those improvements included the following: (i) introduced new categories (physical, chemical, and biological parameters) to organise and retrieve data and information, (ii) introduced new GIS maps and visual/graphical interfaces, and (iii) updated search engine for easy data query and retrieval.

- 5.2.2 The meeting was informed that the Korea Ocean Research and Development Institute (KORDI) expressed its interest in hosting the mirror site at the Institute. However, there was a suggestion, made by KORDI's experts on data and information services, to establish the mirror site in the Project's 2<sup>nd</sup> Phase because there were not enough data stored in the databases that would require the mirror site at this moment.

- 5.2.3 The Meeting thanked the CKJORC and the First Institute of Oceanography for their dedication to the data and information management. The **Meeting suggested for the Center to continuously improve information service through the databases, strengthening the network with regional data centres.** Additionally, the Meeting **decided to suggest developing the mirror site during the 2<sup>nd</sup> Phase** when more data and information were available, considered the comments from the experts.

## **5.3 Stakeholder Involvement, Public Awareness and Participation**

- 5.3.1 Referring to Document UNDP/GEF/YS/RWG-I.5/5, the Secretariat briefed the progresses of the following public awareness activities:

- Yellow Sea Partnership\*;
- Youth Programme\*;
- Drawing and photo competitions;
- Voluntary internship programme\*; and
- Associate Expert programme\*.

(Activities with an asterisk (\*) are to be continued in 2009.)

- 5.3.2 Mr. Endo informed the meeting that the Youth Programme, the drawing and photo competitions, and the voluntary internship programme were successfully implemented in co-operation with a number of partner organisations, including the Buan Municipal Government, the China Ocean News, the Korea Marine Rescue Center, the Korea University, and the Northwest Pacific Action Plan,



- 5.3.3 The additional information was given to the meeting that Korea University invited Chinese counterparts to join the Model United Nations (MUN) that will be organised in February 2009 by the Korea University. The registration fee of Chinese students attending the MUN would be waived thanks to kind arrangement by the University; however, other costs of participation will not be covered by the Korea University.
- 5.3.4 The Meeting acknowledged the progress and **encouraged the PMO to continue public awareness activities as proposed in 2009.**

#### **5.4 National Co-ordination and Implementation**

- 5.4.1 Mr. Liang and Mr. Huh presented the reports of national co-ordination in China and ROK, respectively. The reports covered a wide range of co-ordination activities taken by the NPCs, including the implementation of Co-operative Cruises, the facilitation of the SAP endorsement, the preparation of the NSAP, the organisation of national working group meetings, and the co-ordination with relevant agencies for implementing demonstration activities.
- 5.4.2 **The Meeting acknowledged all the co-ordination activities reported by the NPCs and thanked them for dedication to the work.** The Meeting believed that the co-ordination work has been and will be greatly contributing to securing the endorsement of SAP/NSAPs, implementing SAP demonstration activities, and preparing for the Project's 2<sup>nd</sup> Phase.

#### **5.5 Small grant projects**

- 5.5.1 Secretariat explained the results and progress in the Small Grants Programme. Mr. Endo mentioned that the Programme Report was published, that summarised six completed projects funded in 2006. Five projects funded in 2007 were implemented as scheduled; three projects were completed already. Following the successful implementation of the Programme in the past two years, the Project funded five projects under the Programme in 2008.
- 5.5.2 Having acknowledged the progress, the meeting thought that the Small Grants Programme was an effective way to encourage stakeholder participation in Project activities. The meeting noted that the existing projects funded under the Programme would be completed by 2009; there will be no new project to be granted in 2009.

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

#### **6.1 Review Governance Actions**

#### **6.2 Activities required under each governance action**

#### **6.3 Inputs for 2nd Phase Project Document - details of how each governance action should be implemented**

- 6.1.1 Mr. Endo introduced this agenda to the meeting by explaining the progress in the 2<sup>nd</sup> Phase preparation, the governance actions suggested by the SAP, and the activities proposed by Project Phase 2 Working Group. He informed that the meeting should review the activities proposed for the 2<sup>nd</sup> Phase, keeping in mind the limited funds from GEF. The participants were invited to suggest revising or consolidating the proposed activities, replacing them with new activities, and/or reallocating budgets according to priorities.

- 6.1.2 Mr. Endo informed that there was currently no consulting work of cost-benefit analysis (CBA) of management actions proposed under the “finance” component. However, the RWG for Fisheries Component (RWG-F) suggested conducting a CBA of boat buy-back, for which the budget was allocated already. The RWG-F would like to conduct a CBA of mariculture activities if budget were available. Similarly, the RWG for Pollution Component would like to have a CBA of management activities addressing pollution, and the Group asked for the RWG-I to consider allocating budget to the CBA.
- 6.1.3 The Meeting worked in plenary to review the proposed activities. Questions were raised with respect to various activities proposed as Governance Activities, including the provision of equipment for research and monitoring, the cost and effective operation (of the YSLME Commission), and the YSLME Clearing House. The meeting had intensive discussions on harmonisation of domestic legislation. The meeting shared additional information and explanation provided by Secretariat and participants, gained clear understanding of the points that were questioned and discussed, and reached a consensus on all the points.
- 6.1.4 The meeting discussed the necessity of including cost-benefit analysis of SAP management actions as one of the 2nd Phase activities, keeping in mind the request from the RWG-F and the RWG-P. The Meeting then **agreed to discuss this issue further in the next Regional Science and Technical Panel (RSTP) meeting.**
- 6.1.5 After having exhaustive discussions and making necessary revisions, the Meeting **agreed on the final version of the table of activities. The table is attached to this document as [Annex IV](#).**

## **7 OTHER ACTIVITIES TO BE IMPLEMENTED IN 2009**

### **7.1 Information on the operational changes at UNOPS**

- 7.1.1 Secretariat introduced this agenda item by explaining the change taken by UNOPS in awarding contracts. To make procurement fairer and more transparent, the UNOPS has introduced a new set of procedures and standards in 2008. The new protocol applies to every aspect of procurement activity, including soliciting and evaluating proposals. The UNOPS's Headquarters Contracts and Property Committee (HQPC), an evaluation panel, reviews the requests for awarding contracts, submitted by project management offices, according to the new rules. As a result, significant delays might be caused in issuing contracts and disbursing funds.

- 7.1.2 The participants noted the information provided by the PMO.

### **7.2 Other activities needed**

- 7.2.1 Secretariat overviewed proposed activities for 2009.
- 7.2.2 Being satisfied with the proposal, the Meeting **proposed no other new activities to be implemented in 2009.**

## **8 WORKPLAN FOR 2009**

- 8.1 Based on a draft workplan prepared by the PMO (Document UNDP/GEF/YS/RWG-I.5/8), the **Meeting discussed and created the workplan for 2009. The agreed**

**workplan, attached as Annex V, will be submitted to the next PSC Meeting for its consideration and approval.**

## **9 PROPOSED CANCELLATION OF 6TH RWG-INVESTMENT MEETING FOR THE 2ND REGIONAL SCIENCE CONFERENCE**

- 9.1 Secretariat proposed to organise the 2<sup>nd</sup> Regional Science Conference, instead of the 6<sup>th</sup> RWG-I meeting, to summarise and present the results and findings of the Project activities.
- 9.2 The Meeting **agreed on the proposal to organise the 2<sup>nd</sup> Regional Science Conference**, recognising its importance for integrating and disseminating all the Project outputs.

## **10 ADOPTION OF THE MEETING REPORT**

- 10.1 The Chairperson led the discussion of the draft meeting report prepared by the Secretariat. **The report was reviewed, amended, and adopted by the Meeting.**

## **11 CLOSURE OF THE MEETING**

- 11.1 Chairperson thanked the participants for their hard work. Mr. Zhu thought the meeting produced a number of important recommendations for the preparation of Project's 2<sup>nd</sup> Phase. He thanked all the contributions that had been made by the RWG-I members in the last five years.
- 11.2 Mr. Chang showed his gratitude toward the Chairperson for his strong leadership that he had exercised since the Project started. Without Mr. Zhu's leadership, Mr. Chang believed, the RWG-I would not have produced such significant results. Mr. Chang also extended his gratitude to the participants, especially those from China, for their commitment to discussing issues in a co-operative way.
- 11.3 Mr. Jiang joined Mr. Chang to thank the Chairperson for his excellent guidance to lead the meeting to its successful outcomes. Mr. Jiang thought that the technical inputs that were provided during this meeting would contribute to Project implementation in the future, especially the preparation of the 2<sup>nd</sup> Phase. He thanked the participants for their hard work and asked for continuous support to the Project.

## Annex I

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## Annex II

### List of Documents

#### Working Documents

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

#### Information Documents

UNDP/GEF/YS/RWG-I.5/inf.1	Provisional List of Documents
UNDP/GEF/YS/RWG-I.5/inf.2	Provisional List of Participants
UNDP/GEF/YS/RWG-I.5/inf.3	Provisional Working Programme for the Meeting
UNDP/GEF/YS/RWG-I.4/3	Report of the "Fourth Meeting of the Regional Working Group for the Investment 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/AWG.3/3	Report of the "Third Meeting of the Strategic Action Programme Ad-hoc Working Group"
UNDP/GEF/YS/SPSC.2/3	Executive Summary of the "Second Special Meeting of the Project Steering Committee"
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 5<sup>TH</sup> RWG-I MEETING**
- 5. REVIEW OF COMPLETED AND ON-GOING INVESTMENT COMPONENT ACTIVITIES**
  - 5.1 Contribution to the preparation of the Strategic Action Programme (SAP)**
  - 5.2 Data and Information Management – Regional GIS Databases & Technical Workshop**
  - 5.3 Stakeholder Involvement, Public Awareness and Participation**
  - 5.4 National Co-ordination and Implementation**
  - 5.5 Small grant projects**
- 6. SCIENTIFIC AND TECHNICAL INPUTS FOR THE 2<sup>ND</sup> PHASE PROJECT DOCUMENT**
  - 6.1 Review Governance Actions**
  - 6.2 Activities required under each governance action**
  - 6.3 Inputs for 2<sup>nd</sup> Phase Project Document - details of how each governance action should be implemented**
- 7. OTHER ACTIVITIES TO BE IMPLEMENTED IN 2009**
  - 7.1 Information on the operational changes at UNOPS**
  - 7.2 Other activities needed**
- 8. WORKPLAN FOR 2009**
- 9. PROPOSED CANCELLATION OF 6<sup>TH</sup> RWG-INVESTMENT MEETING FOR THE 2<sup>ND</sup> REGIONAL SCIENCE CONFERENCE**
- 10. ADOPTION OF THE MEETING REPORT**
- 11. CLOSURE OF THE MEETING**



## **Annex IV**

### **Agreed Activities and Budget Table for Governance**



activity table for P2WG after rwg befpi\_15oct08

Activities	Implementation	GEF	China		ROK		DPRK		Required National	nat'l total	Others	Total
			in cash	in kind	in cash	in kind	in cash	in kind				
Continue inter-ministry Committee	2 co-ordinating meetings/year * 4 yrs=8 meetings *3000 * 2 countries (nat'l)		20,000		24,000		2,000	5000	48000	51,000		51,000
Exchange experiences among the participating countries	2 visits				15000		1000	2000	30000	18,000		18,000
strengthen the National Commission for Environment Protection as inter-ministry mechanism	2 co-ordinating meetings/year * 4 yrs=8 meetings *3000	14,000			5,000		2,000	10,000	10,000	17,000		31,000
Improve communication and co-ordination of nat'l agencies	2 training * 3000, operation: 3000	6,000			1500		3000	3,000	3,000	7,500		13,500
Establish nat'l co-ordinating office (incl. Dalian office)	2 persons *600*48 months+forniture 4,000+office rent 15000	46,600			15000		5000	30,000	30,000	50,000		96,600
obtain necessary data & info for preparing national management plan	institutional contracts to collect data & info.	25,000			10000		2000	15,000	15,000	27,000		52,000
Preparing the national management plan (Nat'l SAP)	Two nat'l experts consultation *3000	4,000			1000		2000	2,000	2,000	5,000		9,000
Providing necessary equipment for marine environment research and monitoring	Investigation of requirements; preparing a list of required equipment; providing the equipments	400,000				400000	10000	20000		430,000		830,000
Exchange experts to gain updated knowledge on marine environment	exchange6 scientists. *80/day*30 + 6 travel *500	5,400				100000	1000	5000		106,000		111,400
												0
<b>project staff</b>		351,403										351,403
<b>Travel</b>		37,991										37,991
<b>UNOPS 6%</b>		53,424										53,424
		<b>943,817</b>	<b>20,000</b>	<b>0</b>	<b>71,500</b>	<b>500,000</b>	<b>28,000</b>	<b>92,000</b>		<b>711,500</b>		<b>1,655,317</b>
	Activity without salary, travel, unops	501,000										
	Ratio=Activity / Activity total	12.69%										

activity table for P2WG after rwg befpi\_15oct08

		Budget										
Activities	implementation2	GEF	China		ROK		DPRK		Required National	TOTAL Nat'l	Others	Total
			in cash	in kind	in cash	in kind	in cash	in kind				
<b>Institutional building</b>										-		
										-		
Establish YSLME Commission:					-					-		
Organise steering committee meetings	1 meeting x 15,000 x 4 years	60,000	20,000		-					20,000		80,000
Organise sub-commission meetings	5 sub-commissions x 1 meeting x 7500 x 4 years (combine with above meeting)	150,000	50,000		-					50,000		200,000
<b>Evaluation of SAP and NSAP implementation</b>	3 consultants x 1mth x 8000	24,000				250,000		5,000		255,000		279,000
Strengthening the participation of the member countries:	secondment of government officials develop exchange program to send government officials to the secretariat; nat'l govt sources		250,000		-				500,000	250,000		250,000
Cost & effective operation of the Commission	strengthening partnerships and develop joint programme(s) to share available resources with existing regional institutions such as NOWPAP, PEMSEA, WESPAC, and etc.; 2 joint programmes	20,000			-			5,000		5,000		25,000
IMCC & NWGs	develop the guidelines to manage the IMCC & NWGs - NPC's responsibility (PMO)	24,000						3,000		3,000		27,000
NPC	NPC needs to become a member of YSLME Commission, nat'l - \$3000x48mthx3ctrs	100,000	100,000		166,000				332,000	266,000		366,000
<b>Project Management</b>												
	project staff	265,130								-		265,130
	Travel	29,267								-		29,267
	UNOPS 6%	40,344								-		40,344
		712,741	420,000	0	166,000	250,000	0	13,000	832,000	849,000	0	1,561,741
	Activity without salary, travel, unops	378,000										
	Ratio=Activity / Activity total	9.57%										

Activities	implementation2	Budget										
		GEF	China		ROK		DPRK		Required National	TOTAL Nat'l	Others	
			in cash	in kind	in cash	in kind	in cash	in kind				
<b>Legislation</b>										-		
Improve the effectiveness of legal instruments:										-		
Develop regional guidelines for Code of Conduct <b>for</b> Responsible Fisheries in YSLME context	consultant 3 person month x 8,000	24,000			-			5,000		5,000		29,000
Develop guidelines for matters not covered by UNCLOS, CBD, & Ramsar.	identify and develop the guidelines to deal with the matters not covered by UNCLOS, CBD & Ramsar, consultant 6 person months x 8,000	48,000			-			5,000		5,000		53,000
harmonize domestic legislation	identify the gaps between the domestic and regional standards; consultant 3 person month x 8,000 x 3 countries	24,000	24,000		24,000			6,000	48,000	54,000		78,000
information exchange on implementation on treaties and domestic legislation	develop a YSLME Clearing House, operation cost 5,000x4yrs	20,000	20,000		-			6,000		26,000		46,000
<b>Project Management</b>	<b>project staff</b>	81,363								-		81,363
	<b>Travel</b>	10,685								-		10,685
	<b>UNOPS 6%</b>	12,483								-		12,483
		220,531	44,000	0	24,000	0	0	22,000		90,000	0	310,531
	Activity without salary, travel, unops	116,000										
	Ratio=Activity / Activity total	2.94%										

activity table for P2WG after rwg befpi\_15oct08

		Budget										
Activities	implementation2	GEF	China		ROK		DPRK		Required National	TOTAL Nat'l	Others	
			in cash	in kind	in cash	in kind	in cash	in kind				
<b>Partnership</b>										-		0
Strengthening Partnerships with existing bilateral mechanisms	develov partnership mechanism with the Agreement on Environmental Cooperation between China and ROK; joint activity with the Joint Committee on Environmental Cooperation	25,000	25,000		-	100,000				125,000		150,000
Strengthening partnerships with existing regional mechanisms	develop partnership mechanisms with PEAMSEA, NOWPAP, WESPAC, etc. to avoid duplication , including developing a guideline to strengthen partnership; in conjunction with "Cost & effective operation" under "Commission" sub-table	50,000			-	100,000				100,000		150,000
<b>Project Management</b>	<b>project staff</b>	52,605								-		52,605
	<b>Travel</b>	7,778								-		7,778
	<b>UNOPS 6%</b>	8,123								-		8,123
		143,506	25,000	0	0	200,000	0	0		225,000	0	368,506
	Activity without salary, travel, unops	75,000										
	Ratio=Activity / Activity total	1.90%										

activity table for P2WG after rwg befpi\_15oct08

Activities	implementation2	Budget									
		GEF	China		ROK		DPRK		Required National	TOTAL Nat'l	Others
			in cash	in kind	in cash	in kind	in cash	in kind			
<b>Economic incentives</b>										-	0
Integrate econ analysis into national workplan	2 training workshops	30,000	20,000		-					20,000	50,000
Establish microfinance schemes	microfinance 2 sectors or industries x20 cases (3,000 per case)	120,000			-					-	120,000
Introduce preferential tax system	2 sectors/alternative livelihoods, income tax exemption, \$5000x60 cases	150,000			75,000				150,000	75,000	225,000
<b>Project Management</b>	<b>project staff</b>	210,421								-	210,421
	<b>Travel</b>	23,735								-	23,735
	<b>UNOPS 6%</b>	32,049								-	32,049
		566,205	20,000	0	75,000	0	0	0		95,000	0
	Activity without salary, travel, unops	300,000									
	Ratio=Activity / Activity total	7.60%									

## **Annex V**

### **Investment Component Workplan for 2009**

ID	Task Name	Duration	Start	Finish	2005 Qtr Jan e a Apr a Jun Jul u e Oct	2005 Qtr Jan e a Apr a Jun Jul u e Oct	2005 Qtr Jan e a Apr a Jun Jul u e Oct	2005 Qtr Jan e a Apr a Jun Jul u e Oct	2006 Qtr Jan e a Apr a Jun Jul u e Oct	2006 Qtr Jan e a Apr a Jun Jul u e Oct	2006 Qtr Jan e a Apr a Jun Jul u e Oct	2006 Qtr Jan e a Apr a Jun Jul u e Oct	2007 Qtr Jan e a Apr a Jun Jul u e Oct	2007 Qtr Jan e a Apr a Jun Jul u e Oct	2007 Qtr Jan e a Apr a Jun Jul u e Oct	2007 Qtr Jan e a Apr a Jun Jul u e Oct	2008 Qtr Jan e a Apr a Jun Jul u e Oct	2008 Qtr Jan e a Apr a Jun Jul u e Oct	2008 Qtr Jan e a Apr a Jun Jul u e Oct	2008 Qtr Jan e a Apr a Jun Jul u e Oct	2009 Qtr Jan e a Apr a Jun Jul u e Oct	2009 Qtr Jan e a Apr a Jun Jul u e Oct	2009 Qtr Jan e a Apr a Jun Jul u e Oct	2009 Qtr Jan e a Apr a Jun Jul u e Oct				
1	OBJECTIVE V: DEVELOPMENT OF REGIONAL INSITUTIONS AND CAPACITIES	1320 days?	Fri 04-12-31	Thu 09-12-31																								
2	VA. Stakeholders	1305 days?	Mon 05-01-03	Fri 09-12-11																								
3	ACT 1: Identify stakeholders and assess their capacities for contributing to environmental management and decision-making	137 days?	Wed 06-03-01	Thu 06-09-07																								
4	Contract to institutions(experts)(Contract)--Governance Analy	132 days?	Wed 06-03-01	Thu 06-08-31																								
5	Produce a regional list (PMO)	5 days?	Fri 06-09-01	Thu 06-09-07																								
6	ACT 2: Strengthen stakeholder capacities	1009 days?	Mon 06-02-20	Fri 09-12-11																								
7	Prepare training materials for all stakeholders (contract)	761 days?	Mon 06-02-20	Wed 08-12-31																								
8	Training for decision makers (Training 1)--Local Government	3 days?	Tue 07-07-10	Thu 07-07-12																								
9	Training for community trainers (Training 2)--Small grants	2 days?	Mon 07-09-03	Tue 07-09-04																								
10	Training for local governmental officers (Training 3)--Local Gr	3 days?	Mon 06-09-25	Wed 06-09-27																								
11	Intern programme--Full time & voluntary	1002 days?	Wed 06-03-01	Fri 09-12-11																								
12	Site visits by government officials--Local Government Training	1 day	Wed 06-09-27	Wed 06-09-27																								
13	"The Yellow Sea and Youth"--Youth Programme	15 days	Thu 06-09-14	Wed 09-08-19																								
14	ACT 3: Encourage routine and effective involvement of stakeholders in environmental and resource management and decision-making	1305 days?	Mon 05-01-03	Fri 09-12-11																								
15	Publish newsletters of the project	1305 days?	Mon 05-01-03	Fri 09-12-11																								
16	Printing newsletters	1305 days?	Mon 05-01-03	Fri 09-12-11																								
17	Regular stakeholders conference (1/yr)--YSP regular meeting	5 days?	Wed 06-03-15	Tue 09-09-29																								
18	VB. Regional Coordination	1319 days?	Mon 05-01-03	Thu 09-12-31																								
19	ACT 1: Create a functioning regional coordination mechanism to carry out the YSLME Project	65 days?	Mon 05-01-03	Fri 05-04-01																								
20	Programme Coordinator	65 days?	Mon 05-01-03	Fri 05-04-01																								
21	Economist	65 days?	Mon 05-01-03	Fri 05-04-01																								
22	Scientific Officer	65 days?	Mon 05-01-03	Fri 05-04-01																								
23	Public Advisor	65 days?	Mon 05-01-03	Fri 05-04-01																								
24	Local Staff at PMO:	65 days?	Mon 05-01-03	Fri 05-04-01																								
25	Secretary	65 days?	Mon 05-01-03	Fri 05-04-01																								
26	Driver	65 days?	Mon 05-01-03	Fri 05-04-01																								
27	Administrative Assistant	65 days?	Mon 05-01-03	Fri 05-04-01																								
28	Administrative Officer	65 days?	Mon 05-01-03	Fri 05-04-01																								
29	IT Supporting staff	65 days?	Mon 05-01-03	Fri 05-04-01																								
30	ACT 2: Prepare TDA	136 days?	Tue 06-08-01	Wed 07-01-31																								
31	Review preliminary TDA, and suggest improvements (consult.	4 days?	Tue 06-08-01	Fri 06-08-04																								
32	Discuss draft, and decide new format (WG meeting 3)	3 days?	Sat 06-09-09	Tue 06-09-12																								
33	Gathering data & info from national review report on the project components (PMO)	13 days?	Thu 06-09-14	Sat 06-09-30																								
34	Second draft of TDA (consultant)	21 days?	Tue 06-10-03	Tue 06-10-31																								
35	2nd discussion on the draft (RSTP, PSC)	4 days?	Thu 06-11-16	Tue 06-11-21																								
36	Revise the TDA	16 days?	Fri 06-11-24	Fri 06-12-15																								
37	Finalise TDA	16 days?	Mon 06-12-18	Thu 07-01-04																								
38	Printing the final TDA	19 days?	Fri 07-01-05	Wed 07-01-31																								
39	Act 3: Prepare Regional SAP	487 days?	Mon 07-03-05	Wed 08-12-31																								
40	Guideline for cost-benefit analysis	200 days	Mon 07-03-05	Fri 07-11-30																								
41	Prepare a draft regional SAP (consultant)	26 days	Mon 07-12-03	Sat 08-01-05																								
42	Discuss the draft at the WG meeting-Drafting group 1st	25 days	Mon 08-01-07	Fri 08-02-08																								
43	Revise the draft SAP & prepare version #2	45 days?	Mon 08-01-21	Fri 08-03-21																								
44	Discuss version #2-Drafting group 2nd, special PSC	40 days	Mon 08-03-24	Fri 08-05-30																								
45	Revise the draft SAP, & prepare version #3	41 days?	Sat 08-05-31	Fri 08-07-25																								
46	Discuss version #3, & finalise the regional SAP (RSTP, PSC )-	87 days	Mon 08-07-28	Fri 08-11-21																								
47	Printing regional SAP	25 days?	Thu 08-11-27	Wed 08-12-31																								
48	Act 4: Prepare nat'l SAP	397 days?	Mon 07-12-31	Tue 09-06-30																								
49	Assess all national information & prepare for a framework of	109 days?	Wed 08-01-02	Fri 08-05-30																								
50	National meetings-1 on NYSAP	54 days?	Mon 07-12-31	Wed 08-03-12																								
51	Revise NYSAP	123 days?	Mon 08-05-12	Fri 08-10-24																								
52	Finalise NYSAP	228 days?	Mon 08-04-14	Fri 09-02-20																								
53	Print NYSAP	71 days?	Tue 09-03-24	Tue 09-06-30																								
54	Act 5: Partners of the Yellow Sea	1305 days?	Fri 05-01-21	Thu 09-12-31																								
55	Create partnerships with other organisations and projects--YS	1305 days?	Fri 05-01-21	Thu 09-12-31																								
56	VC: NATIONAL INSTITUTIONS	1305 days?	Mon 05-01-03	Fri 09-12-11																								
57	ACT 1: Review and assess national institutions to support	127 days?	Fri 05-07-01	Fri 05-12-23																								
58	Contract to nat'l focal points (Contract)	87 days?	Fri 05-07-01	Mon 05-10-31																								
59	Finalise the review report (WG meeting)	39 days	Wed 05-11-02	Fri 05-12-23																								
60	ACT 2: Facilitate national institutions to be effective stewards of the YSLME	1305 days?	Mon 05-01-03	Fri 09-12-11																								

ID	Task Name	Duration	Start	Finish	2005 Qtr Jan e	2005 Qtr a Apr	2005 Qtr a Jun	2005 Qtr Jul u	2005 Qtr e Oct	2005 Qtr o e	2006 Qtr e Jan	2006 Qtr a Apr	2006 Qtr a Jun	2006 Qtr Jul u	2006 Qtr e Oct	2006 Qtr o e	2007 Qtr e Jan	2007 Qtr a Apr	2007 Qtr a Jun	2007 Qtr Jul u	2007 Qtr e Oct	2007 Qtr o e	2008 Qtr e Jan	2008 Qtr a Apr	2008 Qtr a Jun	2008 Qtr Jul u	2008 Qtr e Oct	2008 Qtr o e	2009 Qtr e Jan	2009 Qtr a Apr	2009 Qtr a Jun	2009 Qtr Jul u	2009 Qtr e Oct	2009 Qtr o e									
61	Local project office, Provision of necessary equipment	520 days?	Mon 05-01-03	Tue 06-12-26																																							
62	Enhance communications	1305 days?	Mon 05-01-03	Fri 09-12-11																																							
63	Provide technical trainings	125 days?	Mon 06-07-03	Mon 09-07-27																																							
64	Seminars for research community	1305 days?	Mon 05-01-03	Fri 09-12-11																																							
65	Study tours for govt officials 1/yr (local govt)--Local Governm	3 days?	Mon 06-09-25	Wed 06-09-27																																							
66	Act 3: Establish National Coordination Unit within existing framework to assure intersectoral coordination	495 days?	Mon 05-02-14	Sun 06-12-31																																							
67	Establish IMCC (meeting to decide)	65 days?	Wed 06-10-04	Sun 06-12-31																																							
68	Appoint NPC	65 days?	Mon 05-02-14	Fri 05-05-13																																							
69	Establish NCU (need equipment, staff)	65 days?	Mon 05-10-03	Thu 05-12-29																																							
70	Establish NWGs	65 days?	Mon 05-10-03	Thu 05-12-29																																							
71	Act 4: Develop proposals to strengthen national institutions to enhance their ability to contribute to environmental management and decision-making	548 days?	Mon 05-01-03	Wed 07-01-31																																							
72	Together with Activity 2, Strengthen national institutions to be part of TDA development	548 days?	Mon 05-01-03	Wed 07-01-31																																							
73	VD: FINANCIAL INSTRUMENTS	992 days?	Mon 06-01-02	Wed 09-09-30																																							
74	ACT 1: Review status and potential for financial sustainability of YSLME regional institutional framework	141 days?	Wed 06-03-01	Tue 06-09-12																																							
75	Contract to institution (contract to national focal point)--Gove	132 days?	Wed 06-03-01	Thu 06-08-31																																							
76	Discuss & finalise the review report (WG meeting 3)	3 days?	Sat 06-09-09	Tue 06-09-12																																							
77	ACT 2: Provide training in environmental project identification and preparation	746 days?	Sat 06-09-09	Tue 09-06-30																																							
78	Identify the training needs (WG meeting 3)	3 days	Sat 06-09-09	Tue 06-09-12																																							
79	Training #1 Project document preparation	2 days?	Mon 07-10-22	Tue 07-10-23																																							
80	Training #2 Fund raising	22 days	Mon 09-06-01	Tue 09-06-30																																							
81	ACT 3: Assist and encourage the continuation of project preparation and feasibility studies for long-term environmental investment to implement the SAP and	203 days?	Mon 08-02-04	Fri 08-11-07																																							
82	Prepare draft proposal (consultant)--Financial Sustainability,	86 days?	Mon 08-02-04	Sat 08-05-31																																							
83	PSC to discuss	5 days	Mon 08-11-03	Fri 08-11-07																																							
84	ACT 4: Provide matched fund for small grant project	794 days?	Mon 06-01-02	Mon 08-12-29																																							
85	Identify the topics of small grant project (PMO)	66 days?	Mon 06-01-02	Wed 08-01-30																																							
86	Provide matched funds for the approved projects (contracts )	725 days?	Wed 06-02-01	Mon 08-12-29																																							
87	Matched grants	725 days?	Wed 06-02-01	Mon 08-12-29																																							
88	ACT 5: Provide funding for pre-feasibility studies of promising technologies and industries to help achieve the goals of the YSLME, to create an investment portfolio	549 days?	Mon 07-09-03	Wed 09-09-30																																							
89	Prepare pre-feasibility studies (consultant)-Technical F/S	66 days?	Mon 07-09-03	Fri 07-11-30																																							
90	Discuss & finalise pre-feasibility study(WG meeting, RSTP)	54 days?	Mon 07-09-17	Wed 07-11-28																																							
91	Submit to PSC for approval	2 days?	Thu 07-11-29	Fri 07-11-30																																							
92	Demonstration projects (contracts)--CBA of Demo projects	410 days	Wed 08-03-12	Wed 09-09-30																																							
93	VE: DATA AND INFORMATION MANAGEMENT	1320 days?	Fri 04-12-31	Thu 09-12-31																																							
94	ACT 1: Determine regional data and information management capabilities	216 days?	Mon 05-01-03	Mon 05-10-31																																							
95	Review regional data & info systems, i.e. regional data centre, NEAR-GOOS, NOWPAP DINRAC, (consultant)	129 days?	Mon 05-01-03	Thu 05-06-30																																							
96	Prepare a proposal for DIM (consultant)	87 days?	Fri 05-07-01	Mon 05-10-31																																							
97	ACT 2: Develop an effective regional DIM strategy to help achieve the goals of the YSLME	1320 days?	Fri 04-12-31	Thu 09-12-31																																							
98	Decide where database should be hosted	130 days?	Fri 04-12-31	Thu 05-06-30																																							
99	Discuss and approve DIM proposal, including guidelines (WG	25 days	Tue 05-11-15	Sat 05-12-17																																							
100	Equipment (GIS software, hardware)	109 days?	Mon 06-04-03	Thu 06-08-31																																							
101	Training on DIM--Technical workshop	1 day?	Sun 08-08-24	Sun 08-08-24																																							
102	Operation of DIM	875 days	Wed 06-09-13	Thu 09-12-31																																							
103	ACT 3: Implement the regional DIM strategy, including equipment, facilities, and communications	79 days?	Fri 06-09-15	Sun 06-12-31																																							
104	To identify sustainable means for the DIM	79 days?	Fri 06-09-15	Sun 06-12-31																																							
105	VF: Public Awareness and Participation	1319 days?	Mon 05-01-03	Thu 09-12-31																																							
106	ACT 1: Develop a public awareness campaign	444 days?	Mon 05-01-03	Tue 06-09-12																																							
107	Preparation of public awareness campaign (PMO)--Public Aw	326 days?	Mon 05-01-03	Fri 06-03-31																																							
108	Agree on the campaign (WG meeting 3)	3 days	Sat 06-09-09	Tue 06-09-12																																							
109	ACT 2: Demonstrate regional public awareness/participati	517 days?	Wed 05-11-02	Sat 07-10-13																																							
110	Organise public awareness conferences (contracts)--Parliame	5 days	Tue 06-03-28	Sat 07-10-13																																							
111	Prepare public awareness materials (Contracts)	174 days?	Wed 05-11-02	Fri 06-06-30																																							
112	Produce multi-media, e.g. project pins, mouse pads, posters,	174 days	Wed 05-11-02	Fri 06-06-30																																							
113	Public awareness training-twice	1 day	Mon 07-01-01	Mon 07-01-01																																							
114	ACT 3: Encourage ongoing public awareness and participation activities to help achieve the goals of the	1305 days?	Fri 05-01-21	Thu 09-12-31																																							
115		1305 days?	Fri 05-01-21	Thu 09-12-31																																							



### Agreed Investment Component Workplan for 2009 (Condensed)

<b><u>Activity</u></b>	<b><u>Timeline</u></b>
<b><i>Public awareness activities:</i></b>	
4 <sup>th</sup> Yellow Sea Partnership Workshop	Sep/Oct 2009
4 <sup>th</sup> Youth Programme	Aug 2009
Voluntary Internship Programme	Year-round
Associate Expert Programme	Year-round
Co-operation with other Organisations and Projects	Year-round
<b><i>SAP/NSAP preparation/implementation:</i></b>	
CBA of demonstration activities (ongoing)	Second half of 2008 – first half of 2009
<b><i>National co-ordination:</i></b>	
Training on fund raising	First half of 2009
<b><i>Data and information management:</i></b>	
Operation and maintenance of the regional GIS and meta databases	Year-round
<b><i>Cross component:</i></b>	
2 <sup>nd</sup> Regional Science conference	Autumn 2009

