



---

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

---

UNDP/GEF/YS/PSC.2/3  
Date: 20 December 2005  
English only

**Second Project Steering Committee Meeting  
for the UNDP/GEF Yellow Sea Project**  
*Kunming, China, 19-20 December 2005*

**Report of the Meeting**



## TABLE OF CONTENTS

<b>1. OPENING OF THE MEETING .....</b>	<b>1</b>
1.1 WELCOME ADDRESSES.....	1
1.2 INTRODUCTION OF THE MEMBERS .....	2
<b>2. ORGANISATION OF THE MEETING.....</b>	<b>2</b>
2.1 ELECTION OF OFFICERS .....	2
2.2 DOCUMENTATION AVAILABLE TO THE MEETING .....	2
2.3 ORGANISATION OF WORK.....	2
<b>3. ADOPTION OF THE MEETING AGENDA .....</b>	<b>2</b>
<b>4. PROJECT MANAGER'S REPORT ON THE IMPLEMENTATION OF PROJECT ACTIVITIES .....</b>	<b>3</b>
IMPLEMENTATION OF PROJECT ACTIVITIES.....	3
FINANCIAL REPORT .....	3
REPORT ON THE PROJECT MANAGEMENT OFFICE (PMO) .....	3
CO-OPERATION WITH OTHER ORGANISATIONS AND PROJECTS .....	3
PUBLIC AWARENESS AND PARTICIPATION .....	3
<b>5. REPORT FROM THE CHAIRPERSON OF THE RSTP ON THE OUTCOMES OF THE 1ST AND 2ND MEETING OF THE REGIONAL SCIENTIFIC AND TECHNICAL PANEL (RSTP).....</b>	<b>4</b>
<b>6. PROPOSED BUDGET AND WORKPLAN FOR 2006 AND ONWARDS.....</b>	<b>5</b>
<b>7. NGO AND PRIVATE SECTOR'S MEMBERSHIP IN PSC.....</b>	<b>6</b>
<b>8. APPROVAL OF TERMS OF REFERENCE (TOR) FOR THE REGIONAL WORKING GROUPS (RWGS), NATIONAL PROJECT CO-ORDINATOR (NPC), AND INTER- MINISTERIAL CO-ORDINATING COMMITTEE (IMCC).....</b>	<b>6</b>
<b>9. ANY OTHER BUSINESS.....</b>	<b>7</b>
<b>10. VENUE FOR NEXT PROJECT STEERING COMMITTEE MEETING .....</b>	<b>7</b>
<b>11. ADOPTION OF THE MEETING REPORT.....</b>	<b>7</b>
<b>12. CLOSURE OF THE MEETING.....</b>	<b>7</b>

## **ANNEXES**

Annex I	List of Participants
Annex II	Agenda
Annex III	Project Manager's Report on the Implementation of Project Activities
Annex IV	Second RSTP Meeting Chairperson's Report
Annex V	Approved Budget for 2006 and Onwards
Annex VI	Approved Workplan for 2006 and Onwards
Annex VII	Terms of Reference for the Regional Working Groups (RWGs)
Annex VIII	Revised Terms of Reference for the National Project Co-ordinators (NPCs)
Annex IX	Revised Terms of Reference for the Inter-ministerial Co-ordinating Committee (IMCC)

## **1. OPENING OF THE MEETING**

### **1.1 Welcome addresses**

- 1.1.1 On behalf of the United Nations Development Programme (UNDP), Mr. Zhe YANG opened the Meeting and welcomed all participants. Describing the latest major progress and achievements of the Project, Mr. Yang applauded the efforts made by the Governments of People's Republic of China (China) and Republic of Korea (ROK). He also emphasised that regional co-operation is crucial for further development and success of the Project. Mr. Yang stated further that the participation of Democratic People's Republic of Korea (DPRK) to this meeting as observers was one of the major accomplishments of the Project, and he expressed his strong hope that DPRK would participate in the Project as a full member in the near future.
- 1.1.2 On behalf of the Government of China, Mr. Haiqing LI extended a warm welcome to all participants. He especially extended his welcome to the Delegation of Democratic People's Republic of Korea (DPRK). Mr. Li commented on the Project's immense progress over the past year that had been achieved to the high satisfaction of the Government of China. With the co-operation between the participating countries, UNOPS, UNDP, and PMO, the Project has made great progress, and Mr. Li was confident that this level of momentum will be maintained throughout the Project. Mr. Li informed the Meeting that in the recent development of China's eleventh five-year plan for science-based activities, the YSLME Project is listed as a priority field of action. Therefore, the State Oceanic Administration (SOA), as national focal point for the Project, will continue and increase its support to project implementation. In closing, Mr. Li wished the meeting full success.
- 1.1.3 On behalf of the Government of Republic of Korea (ROK), Mr. Heung-Kyeong PARK expressed his sincere appreciation to all participants who had committed their time to attend this meeting, and their efforts to assist with Project implementation. The Republic of Korea believes that the Project is being implemented at an opportune time. As countries in the region have a moral obligation to protect and enjoy a clean marine environment, ROK is fully committed to support the Project, and ROK truly hopes the PSC Meeting will bring about the successful conclusion of implementation in 2005 and successful implementation in future years. ROK is committed to continuing its co-operation with China. Mr. Park extended a warm welcome to State Hydrometeorological Administration (SHMA), DPRK, and stated that the full participation of the three coastal countries in the Project will ensure the preservation of the Yellow Sea. He attached particular significance to DPRK's presence at this meeting as observers, and emphasised that ROK is ready to give support to DPRK's full participation. Mr. Park encouraged the Project Management Office (PMO) and UNDP to facilitate DPRK's involvement in the Project.
- 1.1.4 On behalf of SHMA, Mr. Jong Chol RI expressed his thanks to the PMO and the Government of China for inviting and supporting the participation of DPRK as observers. Mr. Ri stated that he was very pleased with this opportunity to attend the PSC Meeting and better understand the Project.
- 1.1.5 On behalf of the United Nations Office for Project Services (UNOPS), Mr. Andrew MENZ felt encouraged that in the 12 month's since the Project's inception, the DPRK has been brought on as observers within such a short time. Mr. Menz congratulated all affiliated governments and research institutions for bringing the project to its current stage of implementation which is reflected in many of the Project's documents and other forms of outputs. The Project Manager was congratulated for

stepping up to meet the tasks of facing the challenges, and finding solutions to resolve the many issues the Project has faced. Finally, Mr. Menz thanked the Government of China, and in particular, SOA for hosting the Meeting.

## **1.2 Introduction of the members**

- 1.2.1 The participants were invited to give self-introductions. A list of participants is attached as Annex I to this report.

## **2. ORGANISATION OF THE MEETING**

### **2.1 Election of Officers**

- 2.1.1 Mr. Yang invited the participants to nominate the Chairperson for the meeting. Mr. Dong-sik WOO nominated Mr. Haiqing LI, the National Project Co-ordinator from China, to be the Chairperson of the Meeting. The Meeting agreed with the nomination, and Mr. Li was duly elected.
- 2.1.2 Mr. Wenxi ZHU nominated Mr. Heung Kyeong PARK, the Head of ROK delegation, to be the Vice Chairperson of the Meeting. The Meeting agreed with this nomination, and Mr. Park was elected as Vice Chairperson.
- 2.1.3 The PMO served as Rapporteur and Secretariat.

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

- 2.2.1 The Chairperson invited the PMO to introduce the documents prepared for the Meeting.
- 2.2.2 Mr. Isao ENDO explained the two kinds of documents available for the meeting: working documents and information documents (Document UNDP/GEF/YS/PSC.2/inf.1), noting that the working documents were for the Meeting to consider and approve, while the information documents were for reference.

### **2.3 Organisation of Work**

- 2.3.1 The Chairperson invited the Secretariat to introduce this agenda item. Mr. Endo explained and proposed the working programme for the meeting (Document UNDP/GEF/YS/PSC.2/inf.3).
- 2.3.2 **The Meeting agreed on the proposed programme, and the meeting was organised in plenary.**
- 2.3.3 The meeting was conducted in English.

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

- 3.1 The Chairperson introduced the Provisional Agenda (Document UNDP/GEF/YS/PSC.2/1) and the Provisional Annotated Agenda (Document UNDP/GEF/YS/PSC.2/2), and invited participants to provide comments on them.

- 3.2 Mr. Endo suggested to amend Agenda 6 to "Proposed Budget and Workplan for 2006 and Onwards," since this agenda item considers the relevant issues not only the year of 2006 but also the years afterwards.
- 3.3 **The Meeting agreed on this amendment and approved the Agenda.** The approved agenda is attached as Annex II to this report.

#### **4. PROJECT MANAGER'S REPORT ON THE IMPLEMENTATION OF PROJECT ACTIVITIES**

##### **Implementation of Project Activities Financial Report Report on the Project Management Office (PMO) Co-operation with other Organisations and Projects Public Awareness and Participation**

- 4.1 Referring to Document UNDP/GEF/YS/RSP.2/4, Mr. Yihang JIANG presented the Project Manager's report that included the following topics:
- the Project's inception history;
  - establishment of the PMO;
  - preparation and approval of the Implementation Plan;
  - planning for the co-operative study cruises;
  - regional co-operations and involvement of additional countries and organisations in this Project;
  - public awareness and participation;
  - expenditure report for 2005;
  - challenges to implementation; and
  - recommendations to improve implementation.
- 4.2 Following the presentation, Mr. Wenxi ZHU, on behalf of the Delegation of China, commended the Project Manager and PMO on the achievements-to-date, and noted with satisfaction that the implementation mechanisms had been established as scheduled. Mr. Zhu noted that continuous efforts and several partnerships built upon mutual understanding will ensure that the successful implementation will be forth into the future. Finally, Mr. Zhu noted the historic moment of this Meeting, with DPRK's attendance, and active participation in the discussions of the meeting.
- 4.3 The representative of UNDP and Delegation of ROK joined Mr. Zhu in congratulating the Project Manager and his staff on the achievements in the implementation of the project activities. The representatives also supported a suggestion on the need for enhancing local government participation. In order for the participating countries to have better understanding of UN project implementation procedures and financial rules, necessary training is deemed necessary, so that implementation of the Project may proceed smoother at national level.
- 4.4 The representatives of UNDP/UNOPS offered to seek necessary arrangements, together with PMO, to organise a workshop to provide more information on the UN financial and contracting procedures to the participating countries.
- 4.5 During the discussion on the Project Manager's report, various questions were raised about local government involvement, project activities, co-financing, the budget, and management issues which were all duly answered by the PMO. Representatives

from China and ROK stated that national co-financing is mostly in-kind contribution, and confirmed that it will be provided until the end of the Project. The Meeting noted, with appreciation, the in-cash contribution of ROK through the provision of office space and equipment from ROK to the PMO.

- 4.6 The Meeting expressed its appreciation to SHMA, DPRK for inviting Mr. Yihang JIANG, the Project Manager of the YSLME and Mr. Wenxi ZHU, Representative of SOA, China to SHMA to explain the Project and to explore the possibility of DPRK's participation, and for sending a delegation to attend the meeting as observers. The PSC instructed the PMO to continue working with the relevant national authorities of DPRK to facilitate its full participation in the YSLME Project.
- 4.7 Members noted that some of the discussion issues had been raised and discussed at the 2nd RSTP Meeting that was convened immediately before this Meeting. Members also noted that the follow-up actions suggested at the 2<sup>nd</sup> RSTP and this Meeting will be taken into consideration. The Meeting reached the consensus that the logistic issues needing further actions will be addressed by the relevant parties for further discussion and action in the appropriate manner.
- 4.8 Both Mr. Yihang JIANG and Mr. Huming YU of PEMSEA recalled the collaboration between the YSLME project and PEMSEA. The collaboration includes in particular the organisation of a session by the YSLME on its activities in conjunction with EAS Congress 2006 for knowledge sharing and development of Yellow Sea SAP within the framework of Sustainable Development Strategy-South East Asia (SDS-SEA). Both expressed interest to further strengthen partnership for the benefit of the participating countries.
- 4.9 The Meeting expressed satisfaction with the Project's progress, given the short lifetime of the Project thus far time and heavy workload. The PMO was congratulated on its achievements.
- 4.10 **Following the discussions and clarifications, the Meeting approved the Project Manager's report, which is included as Annex III.**

## **5. REPORT FROM THE CHAIRPERSON OF THE RSTP ON THE OUTCOMES OF THE 1ST AND 2ND MEETING OF THE REGIONAL SCIENTIFIC AND TECHNICAL PANEL (RSTP)**

- 5.1 Mr. Haiqing Li, the Chairperson of the First and Second Meetings of the Regional Scientific and Technical Panel (RSTP) introduced the outcomes and agreements of these meetings. He first briefly presented the outcomes of the First Meeting of the RSTP, and informed participants of some of the agreements of the First Meeting that were already implemented during the intersessional period, and the remaining ones to be considered by the Second Meeting of RSTP.
- 5.2 Mr. Li went on to present the discussions and agreements of the Second Meeting organised prior to the 2<sup>nd</sup> PSC meeting, highlighting the following major agreements:
  - Project Manager's report on the implementation of project activities during 2005;
  - The reports of the National Co-ordinators and the Chairpersons of the Regional Working Groups on the implementation of project activities in the respected areas;



- New activities proposed for 2006 and onwards;
- The proposed budget and workplan for 2006 and onwards;
- Revised Terms of Reference for IMCC, NPC, and RWGs; and
- The date and venue for the Third RSTP Meeting.

- 5.3 The meeting expressed appreciation to the Chairperson of the RSTP meetings for his hard work, and guidance provided to these meeting.
- 5.4 With the understanding that the Project Manager started his job in mid September 2004, the PSC recommended that the ending date for the project will be 31 December 2009 with no additional cost to the project.
- 5.5 With regard to the discussion at the Second Meeting of the RSTP on the issue of data and information sharing, the delegation of ROK expressed their wish to modify the relevant section (paragraph 7.1.19) of the report to indicate *“the data and information generated within the project, including the cruise data and samples should be shared by the participating countries”*.
- 5.6 The Project Manager informed the meeting that the list of data and samples to be shared was sent to the National Project Co-ordinator of China for the approval by the government. Several options on the data and sample sharing were discussed. It was agreed that the NPC of China will further investigate the possibilities of these options after the PSC meeting. The PMO will be informed of the results of the investigation.
- 5.7 **Following the clarifications provided by the PMO, the meeting adopted the meeting reports of the First and Second Meetings of the RSTP.** The Chairperson’s report is attached as Annex IV to this report.

## **6. PROPOSED BUDGET AND WORKPLAN FOR 2006 AND ONWARDS**

- 6.1 The Chairperson invited the PMO to introduce the budget and workplan for 2006 and onwards.
- 6.2 Referring to Document UNDP/GEF/YS/RSP.2/13, the Project Manager presented the revised Project budget, explaining the factors and new activities that required the amendments on the original budget. Mr. Jiang informed the meeting that the proposed budget and workplan were presented to the second meeting of the RSTP, and the meeting focused on the technical consideration of the budget, and agreed to submit the proposed budget and workplan to the PSC for consideration and approval.
- 6.3 After a few questions were raised about the revised budget which the PMO duly answered, **the Meeting approved the revised budget for 2006 and onwards.** The approved budget is attached as Annex V.
- 6.4 The Project Manager also presented and proposed the Project Workplan for 2006 and onwards (UNDP/GEF/YS/RSP.2/14).
- 6.5 After some questions raised by the participants, PMO provided clarifications. **The Meeting agreed on and approved the workplan for the year of 2006 and onwards.** The approved workplan is attached to this report as Annex VI.

## 7. NGO AND PRIVATE SECTOR'S MEMBERSHIP IN PSC

- 7.1 The Chairperson invited the Secretariat to introduce the proposal on the NGO and private sector's membership in the PSC.
- 7.2 Explaining the background and rationale, Mr. Endo introduced the proposal to invite NGOs and the private sectors to be members of the PSC (UNDP/GEF/YS/PSC.2/4). The procedure consists of the following three steps:
- (1) Invite NGOs and private sectors to the PSC as observers;
  - (2) Establish the partnership with NGOs and private sectors in implementing the Project activities; and
  - (3) Select representatives of NGOs and private sectors to serve the PSC as its members.
- 7.3 Mr. Endo emphasised the benefits from these stakeholders' participation, including securing more transparency in project implementation, political support, ownership, and financial and human resources.
- 7.4 Raising a question about a possible role and responsibility of the NGOs and private sectors in the PSC as members, the participants requested the PMO to further investigate similar projects on this issue.
- 7.5 The members also requested the PMO to produce guidelines on how to involve NGOs and private sectors in the PSC, and to devise the criteria for selecting the representatives of these stakeholders.
- 7.6 The Meeting noted the importance to invite participation from NGOs and private sectors not only to secure a wide range of knowledge and expertise to protect and improve the Yellow Sea ecosystem, but also to reach out to more stakeholders. **The meeting instructed the PMO to further investigate this issue, and report back to the next PSC meeting.** In the meantime, the Project should continue to invite the NGOs and private sectors to participate in the PSC as observers.

## 8. APPROVAL OF TERMS OF REFERENCE (TOR) FOR THE REGIONAL WORKING GROUPS (RWGS), NATIONAL PROJECT CO-ORDINATOR (NPC), AND INTER-MINISTERIAL CO-ORDINATING COMMITTEE (IMCC)

- 8.1 Highlighting the major modifications, Mr. Jiang provided the meeting with a brief explanation about the revised terms of reference (TOR) for the Regional Working Groups (RWGs) (UNDP/GEF/YS/RSP.2/15), the National Project Co-ordinator (NPC) (UNDP/GEF/YS/RSP.2/16), and the Inter-Ministerial Co-ordinating Committee (IMCC) (UNDP/GEF/YS/RSP.2/17).
- 8.2 The meeting discussed this issue extensively. The Chairperson of the PSC invited the Chairpersons of the RWGs to provide their comments on this issue, and it was confirmed by the Chairpersons of RWGs that the proposed TORs for RWGs reflect the current and expected situations for each component, and therefore these TORs were acceptable to them.
- 8.3 **With the understanding that these TORs may need to be revised in the future as situations change, the Meeting adopted these TORs.** The approved TORs for RWGs, NPC, and IMCC are included in this report as Annex VII, VIII, and IX, respectively.

## **9. ANY OTHER BUSINESS**

- 9.1 The Chairperson invited the participants to propose any other business to be considered at the Meeting. No additional items were raised.

## **10. VENUE FOR NEXT PROJECT STEERING COMMITTEE MEETING**

- 10.1 The Chairperson invited participants to offer to host the Third PSC Meeting. On behalf of ROK, Mr. Woo proposed to host the next PSC Meeting from 20-21 November 2006 in Jeju, ROK.

**10.2 The Meeting appreciated the generous offer from ROK, and agreed on the dates and venue for the next PSC Meeting, as proposed.**

## **11. ADOPTION OF THE MEETING REPORT**

- 11.1 The Chairperson invited the participants to review the draft meeting report prepared by the Secretariat. The draft report was discussed, amended and adopted by the Meeting.

## **12. CLOSURE OF THE MEETING**

- 12.1 Having summarised and highlighted the major agreements made during the meeting, on behalf of China, Mr. Haiqing LI expressed his appreciation to all the participants for their efforts to achieve such great success. He expressed special thanks to Mr. Zhe YANG of UNDP Korea Office and Mr. Andrew MENZ of UNOPS for their contribution to the meeting. Mr. Li expressed appreciation to Mr. Yihang JIANG and his team to support, facilitate, and ensure the success of the meeting. Mr. Li also thanked the delegations from ROK for their hard work to produce the fruitful results from the meeting. He appreciated the participants from DPRK to provide the meeting with constructive opinions and suggestions. Mr. Li showed gratitude to the active participation and contributions from PEMSEA and Wetlands International. He expressed thanks to Mr. Mingyuan ZHU and Ms. Wenqi WANG for providing logistical assistance to hold the meeting.
- 12.2 On behalf of ROK, Mr. Heung Kyeong Park was grateful that the meeting made a number of achievements. He thanked Mr. Zhe YANG of UNDP and Mr. Andrew MENZ of UNOPS for their support and contribution to the meeting. Mr. Park expressed his strong gratitude toward Mr. Haiqing LI for hosting and leading the meeting to a successful conclusion. Mr. Park also appreciated Mr. Yihang JIANG and the PMO to provide hard work and support to achieve substantial outcomes. Mr. Park expressed his hope that further progress would be made in the coming years through the implementation of the Project. He also hoped to see more organisations at the next RSTP and PSC meetings to be held in ROK, in which he believed the Project will take many steps forward with all three Yellow Sea bordering countries and many organisations participating.
- 12.3 On behalf of UNDP, Mr. Zhe YANG expressed his gratitude to Mr. Haiqing LI for leading and moderating the meeting successfully so as to have fruitful discussions and results. Mr. YANG expressed appreciation to the PMO for their hard work to

support the meeting. He thanked the Governments of China and ROK for their strong commitments and contributions to the Project. Mr. YANG also thanked DPRK for participating in the meeting as observers and providing useful comments and suggestions. Lastly, Mr. Yang emphasised that regional co-operation is crucial for the success of the Project, and he was confident that the spirit of strong co-operation among participating countries existed and that the goal of the Project would be achieved.

- 12.4 The Chairperson declared the closure of the meeting. The meeting was closed at 11:15 am on 20<sup>th</sup> December 2005.

**Annex I****List of Participants****PSC MEMBERS****People's Republic of China****Mr. LI Haiqing**

Director-General  
Department of International Co-operation  
State Oceanic Administration  
1 Fuxingmenwai Avenue Beijing 100860  
Tel: 86-10-6804-2695  
Fax: 86-10-6803-0799  
Email: [hqli@soa.gov.cn](mailto:hqli@soa.gov.cn)

**Mr. ZHU Wenxi**

Deputy Director  
Department of International Co-operation  
State Oceanic Administration  
1 Fuxingmenwai Avenue  
Beijing 100860 China  
Tel: 86-10-6804-8051(2)  
86-10-6801-9791(1)  
Fax: 86-10-6803-0799  
Email: [wxzhu@soa.gov.cn](mailto:wxzhu@soa.gov.cn)

**Mr. ZHU Mingyuan**

Professor  
First Institute of Oceanography, SOA  
6 Xianxialing Road Hi-Tech Industrial Park  
Qingdao, Shandong 266001  
Tel: 86-532-8896-7447  
Fax: 86-532-8896-7548  
Mobile: 86-136-0898-3422  
Email: [myzhu@public.qd.sd.cn](mailto:myzhu@public.qd.sd.cn)

**Mr. JIN Xianshi**

Director, Fishable Resources & Ecosystem  
Management Division  
Yellow Sea Fisheries Research Institute  
106 Nanjing Road  
Qingdao 266071  
Tel: 86-532-8584-9430  
Fax: 86-532-8581-1514  
Email: [jin@ysfri.ac.cn](mailto:jin@ysfri.ac.cn)

**Mr. WEN Quan**

Chief Scientist  
SOA Key Lab of Coastal Ecosystem and  
Environment Research  
National Marine Environmental Monitoring  
Center  
42 Linghe Street  
Dalian 116023 China  
Tel: 86-411-8478-2522  
Fax: 86-411-8478-2522  
Email: [gwen@nmemc.gov.cn](mailto:gwen@nmemc.gov.cn)

## Republic of Korea

### Mr. PARK Heung Kyeong

Director  
Environment and Science Division  
Ministry of Foreign Affairs and Trade  
(MOFAT)  
95-1 Doryum Dong, Jongro-Gu  
Seoul 110-787  
Tel: 82-2-2100-7745  
Fax: 82-2-2100-7991  
Email: [hkpark89@mofat.go.kr](mailto:hkpark89@mofat.go.kr)

### Mr. HUH Hyung-Tack

Dept. of Oceanography  
Sr. Scientist Emeritus, KORDI  
Fellow, Korean Academy Of Science &  
Technology  
Chairman, IOC/WESTPAC  
253, Yonghyun-Dong, Nam-Gu  
Incheon 402-751  
Republic of Korea  
Tel: 82-31-400-6201  
Fax: 82-31-408-5934  
Email: [hthuh@kordi.re.kr](mailto:hthuh@kordi.re.kr)

### Mr. WOO Dong Sik

Deputy Director  
Marine Environment Division  
Marine Policy Bureau  
Ministry of Maritime Affairs and Fisheries  
140-2 Gye-Dong, Jongno-Gu  
Seoul, 110-793  
Tel: 82-2-3674-6544  
Fax: 82-2-3148-6545  
Email: [dwoo0047@momaf.go.kr](mailto:dwoo0047@momaf.go.kr)

### Mr. HONG Sun-Bae

Assistant Director  
Marine Environment Division  
Marine Policy Bureau  
Ministry of Maritime Affairs and Fisheries  
140-2 Gye-Dong, Jongno-Gu  
Seoul, 110-793  
Tel: 82-2-3674-6544  
Fax: 82-2-3674-6546  
Email: [hong0610@momaf.go.kr](mailto:hong0610@momaf.go.kr)

## United Nations Development Programme (UNDP)

### Mr. YANG Zhe

Resident Representative  
UNDP Korea Office  
Hannam Tower  
730, Hannam 2-Dong, Yongsan-ku, Seoul  
Republic of Korea  
Tel: 82-2-790-9562/5  
Fax: 82-2-749-1417  
Email: [zhe.yang@undp.org](mailto:zhe.yang@undp.org)

### Ms. LEE Hyun-Shin

UNDP Korea Office  
Hannam Tower  
730, Hannam 2-Dong, Yongsan-ku, Seoul  
Republic of Korea  
Tel: 82-2-790-9565  
Fax: 82-2-749-1417  
E-mail: [hyun-shin.lee@undp.org](mailto:hyun-shin.lee@undp.org)

**United Nations Office for Project Services  
(UNOPS)**

**Mr. Andrew MENZ**

Senior Portfolio Manager  
Global & Interregional Division  
UNOPS  
11-13 Chemin des Anemones  
1219 Chatelaine, Geneva  
Switzerland  
Tel: 41-22-917-8556  
Fax: 41-22-917-8062  
Email: [AndrewM@unops.org](mailto:AndrewM@unops.org)

**PROJECT MANAGEMENT OFFICE (PMO)**

**Mr. Yihang JIANG**

Project Manager  
UNDP/GEF Yellow Sea Project  
Korea Ocean Research and Development  
Institute  
1270 Sa-dong Sangnok-gu Ansan-si  
Gyeonggi-do 426-744  
Republic of Korea  
Tel: 82-31-400-7825  
Fax: 82-31-400-7826  
email: [yihang@yslme.org](mailto:yihang@yslme.org)

**Mr. Isao ENDO**

Environmental Economics Officer  
UNDP/GEF Yellow Sea Project  
Korea Ocean Research and Development  
Institute  
1270 Sa-dong Sangnok-gu Ansan-si  
Gyeonggi-do 426-744  
Republic of Korea  
Tel: 82-31-400-7793  
Fax: 82-31-400-7826  
Email: [isao@yslme.org](mailto:isao@yslme.org)

**Ms. Kyungsuk LEE**

Administrative Assistant  
UNDP/GEF Yellow Sea Project  
Korea Ocean Research and Development  
Institute  
1270 Sa-dong Sangnok-gu Ansan-si  
Gyeonggi-do 426-744  
Republic of Korea  
Tel: 82-31-400-7827  
Fax: 82-31-400-7826  
Email: [kyungsuk@yslme.org](mailto:kyungsuk@yslme.org)

**Ms. Connie CHIANG**

Environment Officer  
UNDP/GEF Yellow Sea Project  
Korea Ocean Research and Development  
Institute  
1270 Sa-dong Sangnok-gu Ansan-si  
Gyeonggi-do 426-744  
Republic of Korea  
Tel: 82-31-400-7833  
Fax: 82-31-400-7826  
email: [connie@yslme.org](mailto:connie@yslme.org)

**Mr. Sungjun PARK**

Finance & Administrative Officer  
UNDP/GEF Yellow Sea Project  
Korea Ocean Research and Development  
Institute  
1270 Sa-dong Sangnok-gu Ansan-si  
Gyeonggi-do 426-744  
Republic of Korea  
Tel: 82-31-400-7828  
Fax: 82-31-400-7826  
Email: [sungjun@yslme.org](mailto:sungjun@yslme.org)

## OBSERVERS

### State Hydrometeorological Administration – DPR Korea

**Mr. RI Jong Chol**

Director, Department of Oceanography  
State Hydrometeorological Administration  
Pyongyang, DPR Korea

**Mr. JANG Hyon Chol**

Official, Department of International  
Relations  
State Hydrometeorological Administration  
Pyongyang, DPR Korea  
Fax: 850-2-381-4416  
E-mail: [shma@co.chesin.com](mailto:shma@co.chesin.com)

**Mr. HAN In Dok**

Official  
Hydrometeo-Oceanographic Information  
Center  
State Hydrometeorological Administration  
Pyongyang, DPR Korea

### Partnership in Environmental Management of the Seas of East Asia (PEMSEA) Wetlands International

**Mr. YU Huming**

Senior Programme Officer  
PEMSEA  
DENR Compound, Visayas Avenue  
Diliman, Quezon City  
Philippines  
Tel: 63-2-426-3849, 920-2211  
Fax: 63-2-926-9714  
Email: [humingyu@pemsea.org](mailto:humingyu@pemsea.org)

**Mr. CHEN Kelin**

Director of Wetlands International-China  
Room 501, No.3A Beisanhuanzhong Lu  
Beijing 100029, China  
Tel: 86-10-6237-7031  
Fax: 86-10-6207-7900  
Email: [ckl@wetwonder.org](mailto:ckl@wetwonder.org);  
[klchen@public.bta.net.cn](mailto:klchen@public.bta.net.cn)

## SECRETARIAT

**Ms. WANG Wenqi**

Vice Director of Foreign Affairs Office  
First Institute of Oceanography, SOA  
6 Xianxialing Road Hi-Tech Industrial Park  
Qingdao, Shandong 266001 China  
Tel: 86-532-8896-3909  
Fax: 86-532-8896-7548  
Email: [wangwq@fio.org.cn](mailto:wangwq@fio.org.cn)



## **Annex II**

### **Agenda**

#### **1 OPENING OF THE MEETING**

- 1.1 Welcome addresses
- 1.2 Introduction of the members

#### **2 ORGANISATION OF THE MEETING**

- 2.1 Election of Officers
- 2.2 Documentation Available to the Meeting
- 2.3 Organisation of Work

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

#### **4 PROJECT MANAGER'S REPORT ON THE IMPLEMENTATION OF PROJECT ACTIVITIES**

- 4.1 Implementation of the Project Activities
- 4.2 Financial Report
- 4.3 Report on the Project Management Office (PMO)
- 4.4 Co-operation with other Organisations and Projects
- 4.5 Public Awareness and Participation

#### **5 REPORT FROM THE CHAIRPERSON OF THE RSTP ON THE OUTCOMES OF THE 1<sup>ST</sup> AND 2<sup>ND</sup> MEETING OF THE REGIONAL SCIENTIFIC AND TECHNICAL PANEL (RSTP)**

#### **6 PROPOSED BUDGET AND WORKPLAN FOR 2006 AND ONWARDS**

#### **7 NGO AND PRIVATE SECTOR'S MEMBERSHIP IN PSC**

#### **8 APPROVAL OF TERMS OF REFERENCE (TOR) FOR THE REGIONAL WORKING GROUPS (RWGs), NATIONAL PROJECT CO-ORDINATOR (NPC), AND INTER-MINISTERIAL CO-ORDINATING COMMITTEE (IMCC)**

#### **9 ANY OTHER BUSINESS**

#### **10 VENUE FOR NEXT PROJECT STEERING COMMITTEE MEETING**

#### **11 ADOPTION OF THE MEETING REPORT**

#### **12 CLOSURE OF THE MEETING**



## Annex III

### Project Manager's Report on the Implementation of Project Activities

#### 1. Introduction

The year of 2005 has been a remarkable period for the UNDP/GEF Project entitled, "Reducing Environmental Stress in the Yellow Sea Large Marine Ecosystem (YSLME)" After several years' negotiation and preparation, the project has finally reached the implementation phase.

Table 1 shows the situation at the beginning of 2005, and the current situation with regard to several aspects of project implementation. It is apparent that with close co-operation between the participating countries, United Nations Development Programme/Global Environment Facility (UNDP/GEF), UNDP Korea Office, United Nations Office for Project Services (UNOPS), and all the institutions involved in the project, the inception and implementation of the project have been successful.

Special appreciation should be extended to the government of Korea, in particular the Korea Ocean Research and Development Institute (KORDI) for its generous support in hosting the Project Management Office (PMO) within the KORDI compound, providing furniture and basic equipment, and allowing the PMO to use all facilities in KORDI.

**Table 1. Situation of project implementation.**

	<u>Beginning of 2005</u>	<u>Current Situation (end 2005)</u>
National Co-ordination	Not formally established	IMCC, NPCs National Working Groups, etc. established and fully functioning
Regional Co-ordination	Not formally established	PSC, RSTP, RWGs established, and fully operational.
Implementation	No action	Implementation plan approved, including budget
		Implementation mechanism established
		TDA preparation started
		agreements on data & info collection
		guidelines prepared (pollution monitoring, environment valuation)
		Co-operative cruises planned & agreed
		Historical & existing data collected
		GIS database designed
Financial operation	Through UNDP Korea Office	Fully operational by the PMO according to imprest account, and following UNOPS rules
Staff in PMO	Project Manager only	Fully-staffed PMO and functioning
Co-operation	No co-operation	MOU - WWF Japan/YSEPP
		MOU - WWF Hong Kong/China in initial stages
		MOU - WI signed

	<u>Beginning of 2005</u>	<u>Current Situation (end 2005)</u>
		MOU - NOWPAP discussed
		MOU - FAO discussed
		MOU – MSC in final stages
		'Yellow Sea Partnership' in public awareness - established
		IOC/WESTPAC discussed
		MOU – Sundosoft, Inc. – in initial stages

The relationship between the various components of the Project is shown in [Appendix I](#).

## 2. Implementation of Project Activities

### 2.1 Official Inception of the Project

The UNDP/GEF Yellow Sea Project Document was approved by the governments of People's Republic of China in 2004 and Republic of Korea in 2003. In September 2004, the Project Manager was hired and the Project officially began its implementation phase.

The Official Launching Ceremony for the Project was held on 7<sup>th</sup> March 2005 in Seoul, Republic of Korea, at the Koreana Hotel. High-level officers from China and Korea and representatives from UNDP attended the Ceremony, and delivered congratulatory addresses. The speakers for the Ceremony were:

- **Mr. KANG Moo-Hyun**, Vice-Minister of Ministry of Maritime Affairs and Fisheries, Republic of Korea;
- **Mr. SUN Zhihui**, Deputy Administrator of the State Oceanic Administration of the Peoples' Republic of China;
- **Ms. Anne-Isabelle Degryse-Blateau**, Resident Representative of UNDP Korea Office; and
- **Dr. JE Jong-Geel**, Member of the National Assembly of Republic of Korea.



Figure 1. Keynote speakers at Project Official Launching Ceremony.

The Ceremony was broadcasted on Arirang TV News (The Korea International Broadcasting Foundation). Reporter, Ms. Kim Duyeon, interviewed the contributing players, two country government representatives, and resident representative of UNDP Korea Office. During the interview, both high-level government officials, and the UNDP Resident Representative in Korea emphasised the importance of the Yellow Sea marine environment for the participating countries, and key roles the project can play.

Mr. Kang Moo-Hyun: "The Yellow Sea is bordered by land on three sides, which has led to much contamination over the years due to rapid increases in population and economic development. That is why we need to protect this vital resource."

Mr. Sun Zhihui: "This project is important for both China and Korea because of our tradition of friendship, and because we are both faced with common problems and demands in the Yellow Sea area."

Ms. Anne-Isabelle Degryse-Blateau: "I think this is very significant to show the importance and the political implications of this project, and we do hope that this will become one of the tools for both countries' national strategies, to address this issue of the Yellow Sea."

## **2.2 Approval of the Implementation Plan**

After the Official Launching Ceremony, the First Project Steering Committee (PSC) Meeting was held in Seoul, Korea. The PSC reviewed and approved the Project Implementation Plan which serves as a guide for the project's course. The Implementation Plan was developed by regional experts and the PMO staff over the course of two regional technical meetings held in Beijing, China, in December 2004, and in Ansan, Korea, in March 2005. The Plan includes the background, objectives, implementation mechanisms, list of agreed activities, budget, workplan, expected outputs, and monitoring and evaluation procedures.

One of the main activities at the beginning of the Project is to collect data and information to determine the transboundary problems in the Yellow Sea, the causes and impacts of the problems, and the governance issues related to the problems. This activity will illustrate the trends of each problem, the available data and information in the region, the gaps in knowledge, and what additional work is needed to provide a more complete picture of the status of the Yellow Sea. The results of the activity will provide a clearer picture on how the remaining aspects of the Implementation Plan should be accomplished over the next four years, particularly the development of the Transboundary Diagnostic Analysis (TDA) and Strategic Action Programme (SAP).

## **2.3 Regional and National Co-ordination**

Since the first PSC meeting in March 2005, various institutional arrangements have been made in both China and Korea to facilitate the national co-ordinations for implementing the YSLME project. Additionally, the YSLME project has sought co-operation and co-ordination with relevant regional programmes. This section describes the latest developments in the regional and national co-ordinations among concerned countries and programmes.

### **2.3.1 Regional Co-ordination**

The YSLME project has sought co-operation dynamically with relevant international organisations and NGOs such as the World Wide Fund for Nature (WWF). For example, to strengthen co-operation and share information, the YSLME project signed a Memorandum of Understanding (MOU) with the Yellow Sea Eco-Region Planning Programme (YSEPP)

which was implemented jointly by WWF, Korea Environment Institute (KEI), and KORDI. The YSLME project also drafted the "Public Awareness and Communication Strategy" based on the co-operation with WWF Japan, WWF China, WWF Hong Kong, Wetlands International (WI), the Marine Stewardship Council (MSC), and the United Nations Environment Programme-Northwest Pacific Action Plan (NOWPAP). The YSLME project further pursues a co-operation with other regional programmes, such as IOC/WESTPAC and NEAR-GOOS, for mutual benefit and effective implementation of the project.

### **2.3.2 National co-ordinations**

The Inter-ministerial Co-ordinating Committee (IMCC) and National Working Groups (NWGs) for the five project components (Biodiversity, Ecosystem, Fisheries, Investment, Pollution) were established in both China and Korea. A National Project Coordinator (NPC) for each country was designated by the respective National Focal Point.

In China, in addition to the above entities, a National Project Management Office was established in the Department of International Co-operation at the State Oceanic Administration (SAO) which is headed by the NPC. The Local Project Management Offices were also established.

In Korea, the NWG meetings have regularly been held to discuss, co-ordinate, and prepare for the Regional Working Group meetings and the Regional Scientific and Technical Panel (RSTP) meeting.

For better co-ordination and successful project implementation, as discussed in the Second Regional Working Group – Investment Meeting, the following activities are necessary:

- Inviting more institutions to participate in the activities of the national working groups, including local governments, local communities, and NGOs;
- Securing a relatively stable participation of the members to the respective meetings of the regional working groups; and
- Enhancing national co-ordination of relevant ministries in the implementation of the project.

### **2.4 Activities of the Regional Working Groups (RWGs)**

For the effective planning and implementation of the project activities, ten meetings of the Regional Working Groups (RWG), two regional technical meetings and one special technical meeting for the co-operative study cruises were organised during the period of October 2004 – December 2005.

Discussions and agreements of these regional technical meetings provided solid bases for the implementation of the project, and outcomes and outputs of the meetings provided useful and effective mechanisms to implement the project activities as approved by the PSC.



**Figure 2. 1<sup>st</sup> RWG-E Meeting, Goeje Island, Korea.**

#### **2.4.1 Fisheries Component**

Over the past few months, members of the Fisheries Component have been engaged in activities to acquire data and information related to fisheries to provide a contemporary diagnosis for the status of fisheries, fisheries resources and mariculture of the Yellow Sea for input to the Fisheries section of the TDA.

The West Sea Fisheries Research Institute (WSFRI), of the National Fisheries Research and Development Institute, Korea, and the Yellow Sea Fisheries Institute (YSFRI), China, were contracted to undertake activities to collate existing data and information relating to perceived fisheries and mariculture issues, to support or refute the Yellow Sea's fisheries problems as identified by the members at the 1<sup>st</sup> RWG-F meeting.

The 2<sup>nd</sup> RWG-F meeting reviewed, and initiated the synthesis of the newly acquired data and information and identified the gaps, difficulties and barriers to data and information collection and began discussion on the preparation of data and information for input to the TDA, namely synthesising data and information to provide a region-wide diagnosis of the condition and trends in fisheries, fisheries resources and mariculture, describing the current status and patterns-of-change in benthic and pelagic resources, biodiversity, biomass, trophic structure, carrying capacity, abundance and distribution, and production levels of fisheries resources in the Yellow Sea; and including a review of the national laws and regulations governing fisheries and mariculture.

The meeting also examined how the contemporary information related to the list of 'perceived problems', 'causal chain and governance' analysis agreed at the first RWG-F meeting are modified as a result.

Other important outcomes of the 2<sup>nd</sup> RWG-F Meeting were: an understanding of the Fisheries Component's role in the upcoming Co-operative Study Cruises of the Yellow Sea Marine Basin; activities to be implemented during 2005 to 2006, and the role of consultants and members of the RWG-F in the process.

Over the next two years, one of the responsibilities of the RWG-F is to provide technical guidance for the implementation of activities under this project component. Several activities falling under the four major activity categories for the Fisheries Component are: 1) Regional Stock Assessment; 2) Carrying Capacity; 3) Sustainable Mariculture; and 4) Laws, Regulations and Fisheries Management Plans. The products of these activities will contribute either to the TDA or to the development of SAP. The successful completion of the activities will ultimately produce:

- Regionally agreed methods for data and information collection and sharing in the Yellow Sea;
- An enhanced co-operative mechanism for regional data and information collection;
- Upgraded knowledge of the state of the Yellow Sea, in terms of its fisheries, fisheries resources and mariculture industry; and
- Increased mutual understanding and trust amongst the participating institutions.

#### **2.4.2 Biodiversity Component**

Over the past few months members of the Biodiversity Component have also been engaged in activities to acquire detailed biodiversity-related data and information to provide a contemporary diagnosis, or statement on the state-of-the-ecosystem of the Yellow Sea for input to the Biodiversity Chapter of the TDA. The National Fisheries Research and Development Institute (NFRDI), Korea, and the First Institute of Oceanography (FIO), China, were contracted to undertake acquisition activities for existing data and information relating to perceived biodiversity issues.

The objectives of these activities were to gather necessary data and information in the region to support or refute the Yellow Sea's biodiversity problems as identified by the Regional Working Group-Biodiversity (RWG-B) members in their first meeting, and for synthesis and analysis into a regional summary.

The task included the reviewing and collection of existing data and information that was agreed by the 1<sup>ST</sup> RWG-B Meeting according to the temporal and spatial scales. The review attempts to cover the data and information existing in all institutions in both countries and also includes relevant data and information sources external to the region (e.g. the GIS database prepared by YSEPP). It is anticipated that this data and information will allow the Project to describe the changes in species composition, gene diversity, conservation areas, and habitat availability in the Yellow Sea over time, and identify gaps in data and information in order to show information should be collected for better management of biodiversity problems in future. It will also allow the Project to update the original causal chain analysis and initiate some areas of the governance analysis which were developed at the 1<sup>ST</sup> RWG-B Meeting.

The expected outputs of these activities are:

- (i) A compilation of the best available data and information regarding the status and trends in biodiversity, in the format and scales agreed by the Regional Working Group for the Biodiversity component;
- (ii) A list of data and information sources to indicate the sources of the data and information collected in item (i), location of these data and information centres, conditions of access to data and information by different users;



- (iii) A report on the changes in species composition, gene diversity, conservation areas, and habitat availability; and
- (iv) A report on the biodiversity problems in the Yellow Sea coastal and marine areas of the country, including major problems, the priorities of the problems, preliminary causal chain and governance analysis.

The 2<sup>nd</sup> RWG-B Meeting reviewed, and began a synthesis of the biodiversity data and information for the Yellow Sea acquired through the recent data collection exercise to analyse the gaps, identify difficulties and barriers to data and information collection, and to discuss the preparation of data and information for input to the TDA. The major outcomes of the meeting were:

- An awareness of the quality, gaps, difficulties and barriers to collecting data and information on Biodiversity, and an understanding of mechanisms to address these issues.
- An awareness of the region-wide status and patterns-of-change in biodiversity, habitats and vulnerable species, and their protection in the Yellow Sea;
- A revised list of 'perceived problems' and Causal Chain Analysis agreed at the first RWG-Biodiversity (RWG-B) meeting.
- An improved state-of-knowledge of the existing national laws and regulations on biodiversity, habitat protection and vulnerable species and how these may contribute to potential governance issues.
- An agreement on Biodiversity Component inputs for the preparation of the Draft TDA.
- Understanding of the Biodiversity Component's role in the upcoming Cooperative Surveys of the Yellow Sea Marine Basin.
- Agreement on activities to be implemented during 2005 to 2006 including the objectives of the body-of-work that is required to be implemented prior to the next RWG-B meeting, the role of consultants and members of the RWG-B in the process.
- Agreement on list and schedule of activities for the RWG-B for 2005 to 2006.

One of the on-going responsibilities of the RWG-B over the next phase of the project is to provide technical guidance for implementation of activities under this project component. A number of activities have previously been identified for implementation during the first two years of the Project which requires the technical input of the RWG members or the involvement of consultant contracts. The results of these activities will contribute to the TDA, to the development of strategic action plans and prioritisation of project interventions, and will enhance capacity to manage biodiversity-related problems on a regional scale. Successful completion of the activities will ultimately produce:

- Regionally agreed methods for the observation, monitoring and sampling of biological and environmental parameters relating to biodiversity in the Yellow Sea;
- An enhanced co-operative mechanism for regional monitoring, observation and protection of biodiversity;
- Upgraded skills in the observation and monitoring of parameters for the protection and management of biodiversity; and
- And ultimately, a better scientific understanding of biodiversity in the Yellow Sea ecosystem.

### **2.4.3 Pollution Component**

The Pollution Component embarked on its first activity to collect historical data and information to determine the pollution-related problems in the Yellow Sea. The types of data and information to collect were agreed upon at the First Regional Working Group – Pollution (RWG-P) Meeting. At this meeting, RWG-P members also carried out a preliminary causal chain and governance analysis based on what they perceived to be the transboundary pollution problems in the Yellow Sea. The members also revised the list of activities for the Pollution Component, which set the stage for the activities to be implemented over the coming years.

Contracts for the historical data collection activity were issued to the National Marine Environmental Monitoring Center (NMEMC), China, and KORDI to implement the activity. Some of the information collected-to-date was presented at the Second RWG-P Meeting.

During this meeting, members agreed on how to present their data in a standardised format for the regional synthesis and the TDA. Members will continue to collect additional data and information over the next 3 months, analyse the data, and present them in a final report. The data and information collected will be housed in the Project database at the China-Korea Joint Ocean Research Center.

An activity that will soon be completed is the preparation of regional pollution monitoring guidelines. The objective of the activity is to provide a regional plan for better monitoring and understanding of pollutants that affect the Yellow Sea. It is expected that the guidelines can be used for any future joint or separate monitoring activities in the Yellow Sea.

A consultant was hired to carry out the following tasks:

- 1) Provide a list of the vital chemical, physical and biological parameters to detect pollution problems in the Yellow Sea;
- 2) Prepare guidelines for sampling the parameters in different media (water, sediment, biota, etc.);
- 3) Propose numbers and siting of monitoring stations;
- 4) Suggest reporting procedures to national and international agencies;
- 5) List recommendations and justifications regarding acceptable contaminant levels; and
- 6) List recommendations for each parameter when a threshold level is exceeded.

The progress report was presented at the 2<sup>nd</sup> RWG-P Meeting, and participants gave suggestions to the consultant for preparation of the final report. It is anticipated that the guidelines will contain information on the above items, as well as:

- How to co-ordinate existing monitoring programmes into the regional guidelines, including how to use remote sensing as a monitoring tool;
- Linking the guidelines with existing monitoring programmes and geographic areas. Providing recommendations on how to link existing data systems and exchange of information gathered from future monitoring programmes; and
- Incorporating into the guidelines, existing inter-governmental agreements on data exchange.

The Pollution Component has also been examining the pollutant parameters that labs in the region should inter-calibrate. This exercise will assist with the analysis of samples collected from the co-operative study cruises, in that labs from China and Korea carrying out the analyses will produce comparable results.

In the first half of 2006, contracts will be issued to consultants and institutes to carry out more activities whose results will contribute to the writing of the TDA and SAP.

#### **2.4.4 Ecosystem Component**<sup>1</sup>

The Ecosystem Component also embarked on its first activity to collect historical data and information to determine the ecosystem-related problems in the Yellow Sea. The types of data and information to collect were agreed upon at the First Regional Working Group-Ecosystem (RWG-E) Meeting. Like at the previous RWG meetings, RWG-E members also carried out a preliminary causal chain and governance analysis based on what they perceived to be the transboundary ecosystem problems in the Yellow Sea. The members also revised the list of activities for the Ecosystem Component, which guides the activities to be implemented over the coming years.

Contracts for the historical data collection activity were issued to FIO and WSFRI to implement the activity. Some of the data and information collected-to-date were presented at the Second RWG-E Meeting. Members agreed on the format to present the data for regional synthesis and the TDA.

The Ecosystem Component has finalised its team members, equipment, and budget for the winter co-operative study cruise where plankton samples will be collected and analysed to complement the historical data collection activity.

Early in 2006, contracts will be issued to consultants and institutes to carry out additional activities whose results will contribute to the writing of the TDA and SAP. Some of these activities include: regional synthesis of national data, assessing carrying capacity, identifying stresses to the ecosystem, and workshops on monitoring the ecosystem.

#### **2.4.5 Investment Component**

The major activities of the Regional Working Group – Investment (RWG-I) consist of: (i) stakeholders, (ii) regional coordination, (iii) national institutions, (iv) financial instruments, (v) data and information management, and (vi) public awareness and participation.

##### **Stakeholders**

This activity, closely linked with public awareness and participation, identifies the stakeholders and strengthens their capacity of environmental management and decision-making. The RWG-I explored the Governance Analysis as a tool for identifying all relevant stakeholders in the Yellow Sea as well as for contributing to the TDA development. As a result, the execution plan for the Governance Analysis was devised. This draft plan will be submitted to the PSC meeting for approval.

##### **Regional co-ordination**

The activity of regional co-ordination proceeds with the preparation of the TDA and SAP. To incorporate the socioeconomic aspects of the Yellow Sea ecosystem into the SAP, the Investment Component considered the implementation of Environmental Valuation. The

---

<sup>1</sup> This report was prepared prior to the 2<sup>nd</sup> RWG-E Meeting. The results of the 2<sup>nd</sup> RWG-E Meeting can be found in the RWG-E Chairperson's report (Document UNDP/GEF/YS/RSP.2/7) and 2<sup>nd</sup> RWG-E Meeting Report (Document UNDP/GEF/YS/RWG-E.2/3).

Component examined the guideline for valuation studies, which was drafted by the PMO. The Investment group also discussed the execution plan for the Environmental Valuation; the plan will be submitted to and assessed by the RSTP/PSC.

### **National institutions**

The third activity of the Investment Component includes establishing National Co-ordination Units to secure intersectoral co-ordination in the TDA/SAP process. For the national co-ordination as well as the regional co-ordination activities, consult section 2.3, "Regional and National Co-ordinations," in this report.

### **Financial instruments**

This activity contributes to the financial sustainability of the environmental conservation activities for the YSLME after the project is completed. The RWG-I explored a number of activities to secure the sustainability, including the training programmes for environmental project identification and preparation. The members also considered the regional strategy for financial sustainability; as a result, the implementation structure for developing the strategy was determined. The PMO will prepare a draft strategy for further consideration.

### **Data and information management**

The data and information management (DIM) includes the development and implementation of the regional DIM strategy. The China-Korea Joint Ocean Research Center will host the meta database and the GIS database of the YSLME project, and establish and maintain these databases. The RWG-I assessed both the technical considerations and the specific activities / schedules for the database development.

### **Public awareness and participation**

The final activity of the RWG-I includes encouraging public participation to induce broad support and expertise to conserve the Yellow Sea ecosystem. The Investment Component examined the "Public Awareness and Communication Strategy" which was jointly drafted with members of the Yellow Sea Partnership. The RWG-I also discussed and agreed on holding the Partnership Workshop for better co-operation and co-ordination. For further information on the strategy and partnership, consult section 3, "Public Awareness and Participation," in this report.

During the two RWG-I Meetings, the above activities were extensively discussed. Based on the agreement of these meetings, the contracts will be issued to consultants to implement the Governance Analysis, the Environmental Valuation, and the Data and Information Management.

## **2.5 Planning for the Co-operative Study Cruises**

Based on the discussion and agreements during the preparation phase of the project, regional cooperative study activities for the Yellow Sea marine basin were included in the Project Document. These were to the form of two cooperative or 'joint' cruises of the Yellow Sea marine basin. The objectives of the study cruises are to:

1. Provide basin-wide data and information for the Yellow Sea covering all components identified in the Implementation Plan of the project, and based on the data and information gaps identified by the Regional Working Groups;

2. Provide data and information that will be used, together with other existing data and information, in the preparation of the TDA, in particular the data and information covering the entire Yellow Sea; and
3. Prepare necessary baselines of the status of the Yellow Sea environment at start of project implementation, when combined with all other data and information available to the project. The baseline information will be used in the later stage as one of the indicators for the evaluation of the project.

During the 1<sup>st</sup> PSC Meeting, the original number of cruises planned in the Project Document was reduced from 6 to 2, due to changes in the financial environment within, and external to the Project over the past 5 years. Following the decisions of the PSC, the RWGs and the RSTP further discussed the details of co-operative monitoring cruises, and two cruises, a 'winter' and a 'spring' cruise, were subsequently planned to be undertaken in the Yellow Sea marine basin,

The survey plan and workplan for the cruise were further discussed and finalised at a separate "Technical Meeting for the Cooperative Study Cruise." During this meeting the expected outcomes and outputs of the cruise were detailed, technical issues were addressed and logistical arrangements planned.

### **Outcomes and Outputs from the Survey**

The overall outcomes and outputs of the cooperative survey were finalised at the Technical Meeting, and include:

- the better understanding of the status and conditions of the Yellow Sea Marine basin ecosystem; and
- the condition and quality of the Yellow Sea marine basin habitat and the biological and physical dynamics of the Yellow Sea marine basin system.

More specifically, the data/information collected from both surveys will allow the project to determine status and changes in benthic and pelagic resources, quality and availability of bottom and pelagic habitats, abundance and distribution of organisms in the Yellow Sea marine basin, status of marine pollution and water quality in the Yellow Sea marine basin; and provide us with basic basin-wide information on the marine environment of the Yellow Sea. The resultant data/information will allow the Project to identify trends, and/or predict changes under prevailing ecosystem conditions and identify or prioritise interventions for the SAP phase of the project. The ultimate outcomes of the cooperative cruise include:

- regionally agreed methods for the observation, monitoring and sampling of marine environmental parameters in the Yellow Sea;
- an enhanced co-operative mechanism for regional marine environment monitoring and observation;
- upgraded skills in basin-wide observation and monitoring;
- a better scientific understanding of the basin-wide marine environment/ecosystem status;
- identification of data/information and knowledge gaps; and
- an increased mutual understanding and trust amongst the participating institutions.

The expected outputs of the winter survey include the resultant data and reports from the survey activities, recommendations and items to be addressed for the next survey in spring, and a preliminary analysis of collected data.

## **Finalisation of Survey Plan**

### **Cruise Dates**

The first cruise will take place from the 4<sup>th</sup> to 25<sup>th</sup> January, 2006 (As per the agreement of the 1st RSTP Meeting), with participation of experts from both the People's Republic of China and the Republic of Korea. This cruise is known as the 'winter' survey.

The second 'spring' cruise is planned for May 2006, although the exact start dates and duration times are yet to be determined.

### **Observation Stations, Transects and Ships Route**

The initial survey plan for the winter survey, proposed at the first RSTP meeting, was re-modified during the Technical Meeting for the Co-operative Study Cruises.

The initial plan included 52 discrete sampling stations for bottom trawl, phytoplankton & zooplankton sampling, and 27 environmental stations (for CTD deployment) and 15 stations for pelagic trawl (based on acoustic echogram). The survey will start from the southern sampling area and proceed northwards, and it was agreed that station points could be adjusted according to weather and sea conditions. Sampling stations were arranged in such a way as to respect the territorial waters of each country.

During the Technical Meeting for the Co-operative Study Cruises, a new survey plan for winter and summer was developed, based largely upon a proposal by the Korean members using a modified version of the initial plan. (See Document UNDP/GEF/YS/RSP.2/8 for the survey routes).

There are 50 stations in the new plan for the winter survey and up to 71 stations planned for the spring survey cruise, with the position of transect lanes changing slightly. The winter survey continues to concentrate on the sampling of the Yellow Sea cold water mass, and both surveys continue to respect the territorial waters of each country.

## **Logistical Arrangements**

### **Government Approval**

In accordance with the relevant regulations of the People's Republic of China, approval of the co-operative study cruise is required 6 months before the initiation of the activity. According to the NPC for China, the approval process has been initiated with the relevant ministries. In lieu of this, it was agreed that the spring cruise would be considered concurrently with the winter cruise, with government approvals for both sought simultaneously. Korea has a similar approval policy and the urgency to finalise the cruise plan expeditiously and without major modification was highlighted to all relevant persons.

### **Workplan and Schedule**

The Technical Meeting in finalised a schedule and workplan for the winter study cruise. The plan comprises of activities and responsibilities leading up to, during, and after the cruise, for each participating component. An equipment and personnel manifest was also finalised, identifying the equipment lacking/needing to be acquired and the personnel responsible for its purchase and/or handling and operation during the cruise.

## **Post-Cruise Sample & Data Handling**

The difficulties associated with division and handling of samples for analysis at the conclusion of the study surveys was discussed at the Technical Meeting. Members agreed to develop detailed lists of sample types required to be relocated to Korea from Qingdao at the end of the study cruises and provide them to the PMO in order to seek the appropriate government approvals.

It was agreed that the newly acquired survey cruise data would become the property of the GEF with the principle and understanding that data will be shared equally between the participating countries. However, in order to implement this principle, and in particular to allow the relocation of the samples to Korea, there was a need to obtain approval from the respective governmental agencies, which shall be on a case-by-case basis.

The PMO has prepared a policy paper on the handling and sharing of data (as requested by the RSTP at its first meeting), to be presented to the next Project Steering Committee for consideration and approval (refer Document UNDP/GEF/YS/RSP.2/11).

## **Considerations for the Spring Survey**

It was requested that an extra Technical Meeting for the Co-operative Survey Cruises be held at the completion of the first cruise and before the initiation of the next cruise to facilitate the organisation and quality of output of the second co-operative study cruise. The months of March to April were agreed as a suitable time for such a meeting.

## **2.6 Involvement of DPR Korea in the project**

As instructed by the Project Steering Committee at its first meeting in Seoul, Korea, March 2005, the Project Manager visited the Democratic People's Republic of Korea (DPRK), 12-16 July 2005, together with a representative (Mr. Wenxi Zhu) from one of the project's participating countries.

The purposes of the visit were:

- (i) Introducing the UNDP/GEF Yellow Sea Project to the relevant organisation(s) in DPR Korea;
- (ii) Exploring possibility to get DPR Korea involved in the Project; and
- (iii) Establishing communication mechanisms with DPR Korea, if they are interested in participating in the project activities.

The visit in the framework of bilateral relationships between State Hydrometeorological Administration (SHMA) DPR Korea and State Oceanic Administration (SOA) China, as an initiative, was approved by the National Co-ordinating Committee for Environment in DPR Korea, and the discussion was organised with the SHMA, which is a governmental organisation responsible for hydrology (including underground water), meteorology, and oceanography, including marine environment monitoring.

Following the presentation of the project activities by the Project Manager, the discussions were focused on the issues of the interests and possibilities of the DPR Korea to participate in the project. Following the extensive discussions on several policy and practical issues, and exchange views, SHMA expressed its interests in participating in the project activities. The final decision should be made by the National Co-ordinating Committee for the Environment in DPR Korea.

The major outcomes of the visit were:

- (i) It was confirmed and agreed that the exchange of data and information is required for the project to understand better the marine environment status and trends, but it would not be the pre-condition for DPR Korea's participation in the project;
- (ii) Co-operative cruises organised by the project will exclude the territorial sea areas of the participating countries. This is not only for the DPR Korea, but for all the participating countries as agreed in the Project Document, and by the Project Steering Committee; and
- (iii) The representatives of DPR Korea should be invited to participate in the second meetings of the RSTP and PSC, as full members if the approval for project participation was obtained, or as observers if the approval was not yet obtained.

During the visit, the Project Manager visited the UNDP Pyongyang Office and had a meeting with staff of the office. Information about the project was provided, and brief discussion about the involvement of the DPRK took place.

## 2.7 Cross component issues

The interdisciplinary nature of the Yellow Sea Project and wide-encompassing ecological characteristics of any large marine ecosystem such as the Yellow Sea ecosystem, have led to the development of an environmental management project that will address the most critical aspects of the ecosystem, as identified by regional experts. However, as the ecosystem does not function in discrete packets, many of the issues that the Project will address, do overlap with each other. Some examples of cross-component issues include, *inter alia*:

- redundancy in identified transboundary problems related to each component;
- redundancy in data and information to be collected to address the perceived problems;
- governance analysis to be done by each component or one for all components;
- storage, maintenance, and accessibility of data and information collected under each project component; and
- assessing carrying capacity of the ecosystem.

Some of the activities of the Project's five main focal areas – Fisheries, Biodiversity, Ecosystem, Pollution and Investment – are cross-component in nature, and were addressed and discussed during the 1<sup>st</sup> RSTP Meeting with the following conclusions:

- The Fisheries Component generally focuses its carrying capacity assessment on higher trophic levels, while the Ecosystem Component prefers to focus on lower trophic levels. A special working group at the 1<sup>st</sup> RSTP Meeting agreed that carrying capacity assessment will focus on fisheries resources, namely the highest possible fish biomass in the Yellow Sea from surveys, with the output from Ecosystem Component's primary and secondary production assessment serving as input for the estimation of carrying capacity in the Fisheries Component. The group reported that it would pursue the goal in two ways: 1) population dynamics approach; and 2) lower trophic productivity-higher trophic level model (possibly ECOPATH) approach.
- The 1<sup>st</sup> RSTP Meeting agreed that social economic and governance analysis would be carried out separately by each component, and the integrated analysis would be



carried out after receiving the results from the Regional Working Groups. Guidelines for implementing socio-economic analysis and economic valuation of natural resources would be prepared by the Project Management Office (PMO), with guidance from the Regional Working Group for Investment.

- For data management, the 1<sup>st</sup> RSTP Meeting agreed that:
  1. The meta database and GIS database will be hosted in the China-Korea Joint Ocean Research Center.
  2. The PMO will take a leading role in the development of the databases, with input from database development experts.
  3. The members of the regional working groups should be involved in the development of the databases.
  4. The host will be responsible for the daily maintenance of the databases. China and Korea will have equal responsibility for the joint facility, and management of the data in the future.

As it was particularly difficult to obtain an overall picture of the data and information that overlap, the 1<sup>st</sup> RSTP Meeting requested the PMO to produce three matrices to show the areas of overlap more clearly:

1. perceived transboundary problems;
2. historical data review; and
3. co-operative study cruises data collection.

The three matrices are shown in [Appendix II](#).

The Second RSTP Meeting will review the tables, improve them, discuss how to share the data amongst the various components, and agree on the responsible group(s) to collect any remaining overlapping data.

### **3. Public Awareness and Participation**

A “Public Awareness and Communications Strategy” was devised by the PMO in conjunction with other collaborating bodies, to produce a comprehensive and straightforward framework for coordinated actions of the numerous groups involved in the Yellow Sea Partnership. The partnership is open and available for participation by any organisation interested in the activities identified in this strategy.

The Strategy is a ‘work in progress,’ the contents of which will be built-upon over time, particularly as more stakeholders are identified, partnerships made, and lessons learned. It will be executed and evolved on a continual basis.

#### **Purposes of the Public Awareness and Communication Strategy**

The purpose of this strategy is to create a strong awareness of the problems faced by the Yellow Sea by informing the wider stakeholder-ship of the impacts of unsustainable activities, and how the Yellow Sea ecosystem can be improved by the mitigation or elimination of the impacts, or stressors, for the benefit of humankind; namely, the strategy aims to:

- Establish a partnership for joint activities in the public awareness and participation in the Yellow Sea;

- Produce a regional list of the stakeholders using the Yellow Sea coastal and marine resources as a major targeted group;
- Inform stakeholders of the roles of the Yellow Sea in the global scenario;
- Report to stakeholders of the perceived problems faced by the Yellow Sea;
- Warn how these problems can and do affect local and global communities;
- Inform how remediation of perceived problems can benefit all stakeholders;
- Inform stakeholders of the current efforts of various projects, the focus and rationale of each;
- Inform of the outcomes and benefits of the various projects to both the stakeholders and the coastal and marine environment;
- Inform stakeholders and funding agencies of the status of the projects and incremental levels of achievements;
- Inform stakeholders of their roles and responsibilities in stewardship of the ecosystem;
- Inform all stakeholders, including governmental, intergovernmental and non-governmental bodies, of their functions in improving the status of the environment in the Yellow Sea; and
- Encourage greater stakeholder contributions to environmental management and the decision-making process.

### **Overall messages delivered by the Strategy**

The overall messages that this Public Awareness and Communications Strategy strives to convey are:

- The status of the Yellow Sea – the problems and the trends;
- How environmental problems affect local communities, adjacent countries, the global community and global environmental systems;
- What is currently being done to monitor and remediate these problems;
- How remediation of environmental problems can benefit stakeholders; and
- The role that each partner plays in the Yellow Sea partnership.

These are broken down into more specific messages in separate sub-strategies which target specific stakeholder groups to maximise information transfer (see Document UNDP/GEF/YS/RSP.2/5).

### **Expected Outcomes of the Strategy**

The expected outcomes of this strategy are to create a strong public awareness of the problems faced by the Yellow Sea, how the ecosystem is currently affected by the activities of humans and how the ecosystem can be improved by the mitigation or elimination of these problems. As a result, develop strong public support and participation in actions leading to the mitigation or elimination of these problems, as a major element in the management plan of the Yellow Sea.

### **Initial Implementing Entities of the Strategy**

- YSEPP
- WWF Hong Kong
- WWF China
- Wetlands International
- Marine Stewardship Council
- YSLME

## Target Audiences of the Strategy

- Community-based Organisations
- Scientific Community
- National and Local Government Agencies
- Legislative Bodies
- Non-government Organisations including Religious Groups
- General Public/Media
- Donor Community
- Industry/Consumers
- Youth Groups

## Schedule for Implementing the Strategy

Implementation of the Public Awareness and Communication Strategy consists of four phases along with the major developments of the Project: (i) preparation, (ii) TDA, (iii) SAP, and (iv) demonstration/pilot activities. The relevant information on implementation is available in Document UNDP/GEF/YS/RSP.2/5.

## Public awareness materials

In line with the Public Awareness and Communications Strategy, the PMO has embarked on an exercise to develop its own range of promotional items. Based on a master list of items developed in the strategy, the PMO has selected a small number of items to be produced by the end of 2005.



Figure 3. Left: Project poster. Right: Project brochure.

All items will sport the YSLME Project's dynamic logo and website URL address. Items to be developed in the short-term include hats/caps, business card holders, ornamental magnets, computer mouse pads, writing pens, posters and brochures. At present, the Project brochure and posters have been completed, with the designs for the caps, business card holders, pens and mouse pads being finalised.

#### 4. Financial Report

A brief overview of the financial aspects of the Project is reported here to provide Project partners with a general understanding of the basic fiscal aspects of implementing the Project.

##### 4.1 Financial rules applied to the project

###### Period for project budget

To provide for continuity in the programming and implementation of UN assistance to projects, the financial period for the purpose of the proposed utilization of resources entrusted to the charge of UNOPS and of entering into obligations in such respect shall be the duration of each project as defined in the project document.

The financial period for the purpose of incurring and accounting for expenditures in respect of projects shall consist of a single calendar year.

###### Format of the Project Budget

In the approved Implementation Plan of the project, the project budget was presented using the format known as "IMIS codes." An example is shown below in Table 2.

**Table 2. Example of Project Budget shown by IMIS codes.**

Budget	Description	Year 1		Year 2		Year 3		Year 4		Year 5		Total	
		m/m	\$	m/m	\$	m/m	\$	m/m	\$	m/m	\$	m/m	\$
10.00	<b>Personnel</b>												
11.00	<b>International Experts</b>												
11.01	CTA	1/12	171,919	1/12	180,515	1/12	189,541	1/12	191,364	1/12	200,932	1/60	934,271
11.02	Economist	1/12	109,200	1/12	114,660	1/12	120,393	-	-	-	-	1/36	344,253
11.03	Scientific Officer	1/12	109,200	1/12	114,660	1/12	120,393	-	-	-	-	1/36	344,253
11.04	Public Advisor	1/12	80,000	1/12	84,000	1/12	88,200	-	-	-	-	1/36	252,200
	<b>Short-term Consultants</b>												
11.51	Carrying Capacity Consultant (IB)	1/1	17,900	1/1	17,900	-	-	-	-	-	-	1/2	35,800

Currently, the financial management system in UNDP and UNOPS has changed to the Atlas format. In order to:

- (i) follow the changes in the financial management system in UNDP and UNOPS;  
and
- (ii) provide easy understanding of project planning and implementation.

The new budget format is prepared based on the Atlas format, which is a clearer way to show the activities and budget of each project component. Refer to Document UNDP/GEF/YS/RSP.2/13 for the new budget format.

### **Revision of project budgets**

(a) Whenever a project budget ceases to reflect actual circumstances or current expectations in any significant respect, it shall be revised accordingly.

(b) Revisions primarily made to reflect expenditures of the previous year and other appropriate changes shall be prepared annually for each project budget. Such mandatory revisions shall be submitted by the executing agency, immediately following its issuance of year-end delivery reports.

There have been some unspent money and changes in priority of activities, thus, a budget revision has been prepared by the PMO, and presented to the RSTP Meeting for review.

### **ADMINISTRATION OF RESOURCES**

#### ***Procurement***

The basic principles are transparency and fairness, economy and best value. The following general principles shall be given due consideration in carrying out the procurement functions of UNDP under these Rules:

- (a) Economy and efficiency;
- (b) The interests of the UNDP programme;
- (c) International soliciting of proposals and competitive bidding to allow prospective proposers and bidders fair and equal opportunities to provide those goods, services and other requirements being sought by UNDP;
- (d) The utilisation of currencies available to UNDP and which require special management;
- (e) Preferential treatment to be accorded to sources of those supplies indigenous either to the country being assisted or to other developing countries; and
- (f) Equitable geographical distribution consistent with maximum effectiveness.

**Advance and progress payments:** When the advance payment for USD 50,000 or more is required and subsequently approved, UNOPS will normally require a bank guarantee or other suitable security arrangement.

**Security:** All contracted personnel have to pass the "Basic Security in the Field – Staff Safety, Health and Welfare" test.

#### **4.2 Expenditures and balance of the project**

[Appendix III](#) shows the expenditures and balance for the project, as of 25th November 2005. The expenditures for January to October 2005 reflect real expenditures, while expenditures

for November to December 2005 are estimated, as the detailed expenditure information was not received from UNOPS.

It should be noted that the five-year project period will be from 1<sup>st</sup> January 2005 - 31 December 2009. There was no budget in 2004 although the Project Manager reported to duty on 15<sup>th</sup> September 2004.

It should also be noted that the supporting staffs' salaries were affected by the exchange rate between Korean Won and US Dollar because their contracts are based on Korean Won, but should be reflected in the budget as US Dollar. International staffs' post adjustment was changed from 77.2% to 49.2% of net salary starting in November 2005, which is reflected in the budget total for 2005.

Finally, the reasons for the relatively large un-spent balance in 2005 are: 1) This year was the project inception year (1st year of the project); there have been a lot of preparation work; and 2) Slow response from some RWGs and contractors.

## **5. Report on the Project Management Office**

### **5.1 Office & Facilities**

Since the UNDP/GEF Yellow Sea Project was approved and established in the KORDI compound, KORDI has generously provided a wide range of support to the Project and the PMO. The MOU between PMO and KORDI was signed on 10<sup>th</sup> December 2004 to agree on the necessary logistic support and services KORDI would provide. In July 2005, KORDI provided the PMO with office space in the No. 1 Research Building for the PMO staff with additional space for interns, office furniture, computers, printers and standard office equipment. The PMO is now fully operational. On behalf of the Project, the PMO expresses its sincere gratitude to KORDI for her gracious support and assistance that continue to ensure that project implementation proceeds smoothly.

### **5.2 Staff Recruitment and Intern Programme**

One of most important tasks during the first year of the project implementation was to recruit the necessary project staff and form a management team for effective implementation of the project activities.

With support of the UNDP/GEF, UNDP Korea Office and UNOPS, the recruitment process was carried out transparently and effectively. A total nine staff, from five different countries, were recruited and form a project team for the implementation of the project activities. It should be noted that the speedy recruitment of the project staff has provided the basic mechanism for the effective implementation of the project activities approved by the Project Steering Committee.

It is a pleasure of the Project Manager to report to the Project Steering Committee and participating countries that the project staff recruited has shown effective operational skills and initiatives to accomplish their work, are hard working, have a high level of ability to complete the tasks at hand, and strong team-work spirit.

### **5.3 Information Dissemination**

The Project's homepage (<http://www.yslme.org>) provides background information about the project, the staff and partners, the latest news on implementation, project reports and meeting documents, and relevant stories about the Yellow Sea. The first page is designed to show the site's categories and contents for easy understanding and access. The visual design of the front page is changed at regular 6-month intervals.

To accomplish the information delivery mission, the homepage has a link to an E-Discussion forum (<http://www.yslme.org/forum/>). The PMO will initiate discussion topics and continuously update the forum. Anyone can join and post messages.

One of the success indicators for this project will be regional communication and mutual understanding. The E-Discussion forum can be a solution for communication. Even though the usage rate is currently low, if the forum becomes more active, it can be a good indicator of the project's regional communication and co-ordination objective.

The E-Newsletter is issued at regular 3-month intervals. The newsletter includes PMO inside news, various meeting's news, and Yellow Sea news. The newsletter is sent by e-mail to project partners, and can also be accessed from the website. Anyone may contribute news to the newsletter, by e-mailing his article to [info@yslme.org](mailto:info@yslme.org).

Finally, the PMO is planning to establish a GIS webpage for the general public to understand the Yellow Sea environment.

The PMO continues to seek better ways to communicate with the public and transmit information. Suggestions in this regard are welcome.

## **5.4 Operation of the Office**

### *Operation on project implementation*

As this is first year of project implementation, the operation of this function has special characteristics: new project, new project office, new staff, and new project management structure.

As a new project, it is essential to establish the project operation system within the UNOPS framework. With assistance of UNOPS staff, the operation system has been established in the Project Management Office according to the rules and regulations of UNOPS. The following operational structure was set up:

- (i) The Project Manager has been authorised by the Executive Director of UNOPS on the operation of imprest account and management of the project activities;
- (ii) Imprest account, in both US dollar and Korean won, has been set up with assistance of UNOPS technical staff, and necessary training was carried out in the PMO for operating the accounts;
- (iii) A training workshop was organised by UNOPS for the project operation and management in Geneva, September 2005. Three project staff participated in the training workshop, and shared experiences and lessons with the staff from other projects. The newly acquired knowledge was transferred to the rest of the PMO staff; and

- (iv) Daily management of the project activities has been operated by the PMO with a total of 14 contracts negotiated and concluded. There have been a total of 15 meetings organised by the PMO, including PSC, RSTP, RWGs and technical meetings.

From the operation of the first year of the project implementation, the Project Manager is confident that with the assistance of UNOPS and UNDP country offices, and with the co-operation of the participating countries, the operation of the PMO will improve, and become more smooth and effective in the years to come.

## **6. Co-operation with other Organisations and Projects**

To enhance the effectiveness of its conservation and communications activities, the Project YSLME has pursued co-operation with a number of relevant international organisations and NGOs.

During the First RSTP Meeting, members of the RSTP and representatives from potential “partners” explored the possibility and mechanisms for successful co-operation. Considerable mutual benefit was realised and this formed the impetus for partnerships among a number of interested parties. As a result, an MOU was signed between YSLME and YSEPP, laying the foundation stone for the “Yellow Sea Partnership” (see Section 3). Since then, co-operation with other organisations has been pursued leading to the development of MOUs with at least three other major partners including WI, MSC and NOWPAP. All of these MOUs are currently at the signature stage.

All parties share the common objective of conserving and using the coastal and marine resources of the Yellow Sea in a sustainable manner and will mutually benefit from this cooperation through maximising the use of human and financial resources and avoiding overlaps and duplication of work.

The purpose of the MOUs is to set out principles and the practical basis to cooperate in promoting conservation and sustainable use of marine and coastal resources of the Yellow Sea. The MOUs describe agreements for the exchanging of data and information, and discussion of potential areas and mechanisms for co-operation and co-financing in promoting protection of the marine and coastal environment, and sustainable use of marine and coastal resources in the Yellow Sea. They also provide a framework for cooperation and facilitate the collaboration between the parties in areas related to global environmental issues of concern to each party, including promoting the “identification, formulation, implementation, and monitoring and evaluation on issues of mutual interest.” It is noted that the activities and potential areas for collaboration identified under the MOUs represent significant contributions towards meeting national commitments under such international agreements such as the Convention on Biological Diversity, Ramsar Convention on Wetlands and FAO Code of Conduct for Sustainable Fisheries in the Yellow Sea areas. In particular, the proposed activities will help answer the urgent need to address the under-representation of protection of the marine and coastal ecosystem and will contribute to building national frameworks of marine and coastal protection.

Currently, the PMO is developing a comprehensive workplan that integrates the considerations and input (physical and financial) of all partners, detailing the agreed activities, the schedule for each item and their cost requirements. A ‘Yellow Sea Partnership’ workshop is planned to be held in late February to formally initiate the activities that will take place over the next 4 years.



## **7. Challenges to implementation of project activities**

### ***National co-ordination needs to be further strengthened***

From the experiences of the implementation of the project activities during the first year, it was apparent that effective co-ordination and co-operation at national level will not only provide necessary support to the implementation of the project activities as agreed by the PSC, but also ensure the quality of project outcomes. In order to ensure successful preparation, and more importantly, approval of the TDA and SAP, the national co-ordination and co-operation should be further ensured.

#### **(i) Enhancing the roles of the IMCC**

During the first year, the Inter-Ministry Co-ordinating Committees were established in the participating countries. However, due to various reasons and constraints, the meeting of IMCC has not been organised, although communications between the relevant ministries were well established.

#### **(ii) Enlarging participation in the national working groups, including NGOs**

The national working groups for the project components have been well established in the participating countries, and are playing key roles in project implementation. Considering the tasks faced by the project, it would be more effective and beneficial to all participating countries if more institutions, including NGOs, could be involved in the project. It should be noted that by enlarging participation of more institutions, it would not only bring more expertise and human resources to the project, but also bring more attention to the environmental problems faced by the Yellow Sea.

#### **(iii) Involvement of local governments and communities in project activities**

The involvement of local governments and communities has been well recognised by the project during the PDF-B phase, and relevant activities were planned in the project document. It should be noted that in order to obtain support from the local governments and local communities in preparation, approval and implementation of the Strategic Action Programme, and the National Strategic Action Plan, it would be more beneficial if the local government and local communities could be involved in the project activities, the earlier the better.

### ***Better understanding of the UN and GEF financial rules and operational mechanisms will assist with implementation***

During the first year of implementing project activities, UN and GEF financial rules and operational mechanisms have been understood better by the experts and relevant institutions that are participating in the project. Some difficulties have been solved with assistance from, and support of, the participating governments. Due to the complexities of the project activities, better understanding of the rules and mechanisms is necessary and beneficial to the project's success. For instance, in the case of participation of experts to the project meetings, the project will only cover the travel costs at the most economic prices, and would cover full or partial DSA according to UN rate. It is not possible for the project to provide "consultancy fees" for the experts who participate in the meetings.

### ***Prompt actions to adhere to the overall workplan for the implementation of the project***

Due to the efforts of all institutions and experts involved in the project, the implementation of the project activities have been successful in keeping to the overall schedule and workplan

of the project. As this is the first year of the project, some delays have happened during the implementation of the project activities in the first year.

- *Contracts*

Some contracts were delayed due to lack of understanding of the procedure, and the calculation of the project costs. Although some institutions and experts started the work before the contracts were formally established, it is worthwhile to note the technical requirements and procedures to establish contracts between the institutions/experts and PMO/UNOPS. PMO has used all the possible occasions to introduce the relevant procedures.

- *Meetings*

During the first year, there were a number of meetings that were organised. It has been a challenge to all the project partners that the agreed meeting dates changed too often with various reasons. With understanding of the busy schedule for the experts involved in the project, it is critical to keep to the agreed meeting dates as much as possible to avoid unnecessary further conflicts in meeting dates. It has been a great difficulty to arrange the second round meetings of the RWGs, as four of five meetings changed the originally agreed dates.

### ***Communication between the national experts and PMO needs to be strengthened***

Communication between the experts involved in the project and the PMO were satisfactory in most cases. However, for some individuals, the communication should be strengthened, also between “national project leaders” and their national team members. From the project management point of view, we are expecting the responses from:

- Confirmation of participating in meetings (in case the decision can not be made immediately, an acknowledgement of receipt of invitation, and possible date to confirm the participation is needed);
- Responses according to various deadlines for implementing activities (in case the deadlines cannot be kept, a notification would help with understanding the delay, and new arrangements can be made);
- Responses on reminders; and
- Other communications require response to exchange views, and necessary actions.

Additionally, the “national project leaders” should transfer all information gleaned from RWG, technical, RSTP, and PSC meetings to their national colleagues. This would ensure that all parties are kept up-to-date with the implementation progress, and may discuss the issues when required, without having to be informed about the developments.

### ***Logistic arrangement will assist smooth implementation of the project activities***

There were also some logistic challenges that affected the implementation of the project. If solutions could be obtained, it would assist future implementation of the project.

- (i) Stable membership

During the first year, the members in some Regional Working Groups changed too often. Consistent membership leads to better understanding of the project for the individual, and also for the whole component. In this regard, stable membership would largely help the implementation of project;

(ii) Re-entry visa

Applications of necessary entry visa for both countries required a lot of effort of all the persons concerned, including the experts attending the meetings, the PMO staff, and National Focal Points. For instance, some of the PMO staff has undertaken 4 or 5 international trips this year to the same country, and each time, has had to apply for an entry visa.

It would be much more helpful if the NPCs could consult with relevant national authorities to issue re-entry visas to the project staff and experts concerned.

### **Recommendations for future implementation**

Following a lengthy preparation phase, the UNDP/GEF Yellow Sea project has finally reached its implementation phase, with a successful inception period. Thanks to the efforts made by all the partners of the project, the first year's implementation has been completed according to the workplan approved by the first meeting of the Project Steering Committee.

Based on the experiences and lessons learnt during the first year's implementation, the Project Manager and his staff in the Project Management Office would like to make the following recommendations to the PSC for better and more effective implementation of the remainder of the project.

#### ***Recommendation 1. The momentum generated within the framework of the project should be maintained and increased.***

The participating countries have fully realised the importance of protecting the marine environment and sustainable use of marine and coastal resources in the Yellow Sea, which has been listed as priorities on the national agendas of sustainable development. Through the co-operations under this project and other activities, the governments of the participating countries recognise that the tasks in protecting Yellow Sea marine environment and rational use of coastal and marine resources can only be fulfilled through co-operation with all the coastal countries involved. The support from GEF and UNDP has generated strong momentum in the region. In order to keep the political and scientific momentum, and enhance more effective co-operation, the following actions are very important for the future implementation of the project activities:

- Generating more political support by IMCC within the participating countries;
- Continuing to build up stronger and more stable national teams in implementing the approved project activities; and
- Enhancing more effective regional co-operating mechanism, not only within the project framework, but through the "Yellow Sea Partnership" developed by the project.

#### ***Recommendation 2. Mutual understanding and mutual trust among the participating countries should be built up based on better understanding through improved co-operation.***

Based on the experiences of various activities in the Yellow Sea, the participating countries realised that effective co-operation in solving marine environmental problems in the Yellow

Sea rely on mutual understanding and mutual trust. Currently, the general co-operation atmosphere has been developed by all the partners involved in the Yellow Sea region. In the meantime, it is the willingness of all the partners that the mutual understanding and trusts are still critical for the success of the project. In particular, the following recommendations are essential:

- More open policy on marine environment data and information sharing and exchange; and
- More joint activities should be organised along the line of the co-operative study cruises planned under the project.

***Recommendation 3. Enhanced national co-ordination will ensure the success and sustainability of the project.***

One of the objectives of the project is to enhance national co-ordination in protecting the Yellow Sea. Effective co-ordination will not only ensure smooth implementation of the project, and ensure the successful preparation and approval of the regional Strategic Action Programme, but will also contribute to the sustainability of the project's benefits to the region. To achieve this goal, the following activities are recommended:

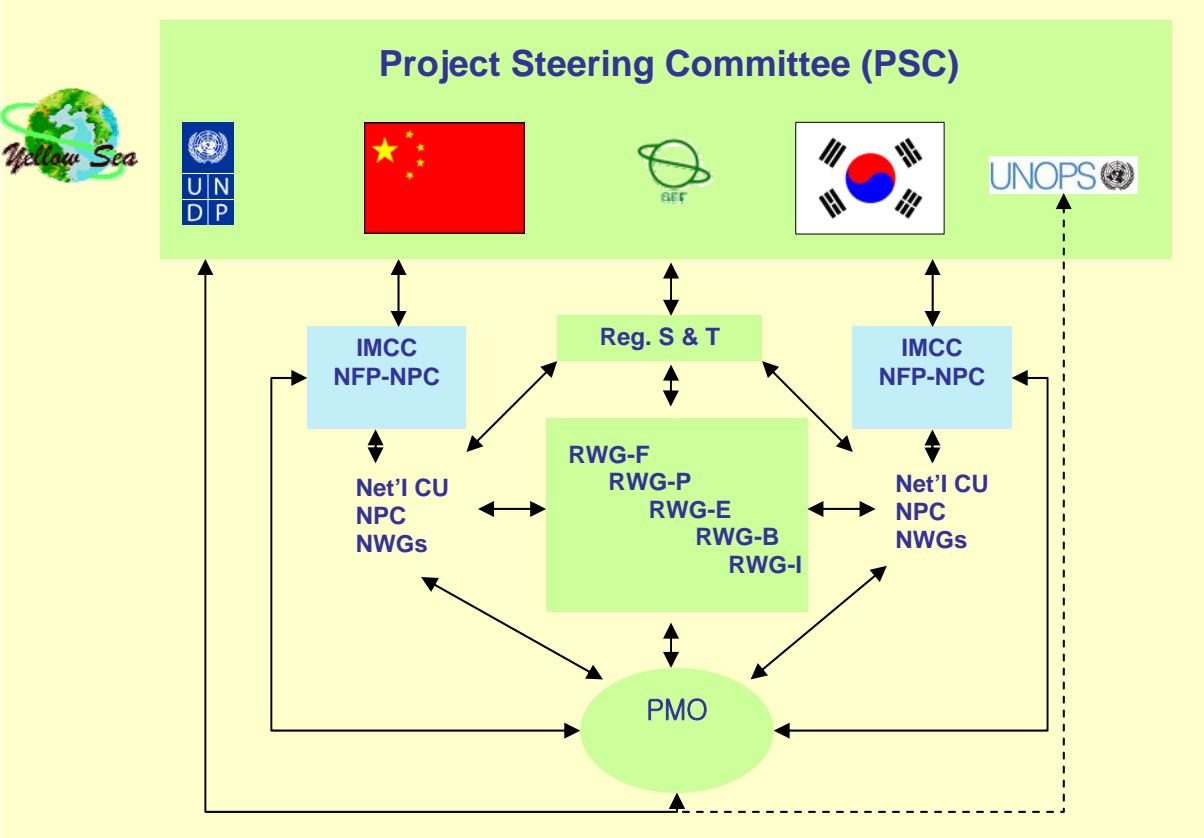
- Establishing a multi-ministry IMCC, and use the IMCC as the mechanism for nationally co-ordinating implementation of project activities; and
- Establishing appropriate linkages and co-operation with all relevant national projects in the Yellow Sea, which will assist with YSLME project implementation, as well as assist with all the co-operative projects to achieve their individual goals.

***Recommendation 4. Clearly defined usage of national co-financing resources***

During the project inception phase, national co-financing from the participating countries has increased dramatically from about US\$ 8 million to US\$ 13 million, which has provided a much stronger support to the project activities. During the first year of implementation, there were a number of cases that needed clear indication on the usage of national co-financing. Therefore, it is recommended that clearer indications on the use of national co-financing resources are necessary and urgent.

### Appendix I

### Project Organisational Chart





## Appendix II

### Cross Component Data Matrices

#### Overlaps in perceived problems

PROBLEM	RWG			
	Biodiversity	Ecosystem	Fisheries	Pollution
Decline in Many Commercially Important Fishery Species	^	^	X	
Lack of knowledge of Carrying Capacity			X	
Unsustainable Mariculture	^	^	X	^
Environmentally Destructive aquaculture practices	^	^	X	
Socio-economic Data Required			X	
Change in ecosystem structure	^	X	^	
Change in ecosystem productivity	^	X	^	
Habitat modification	^	X	^	
Deteriorating water quality (rivers, lakes, seas)	^	^	^	X
Decline in fish and other marine species	^	^	^	X
Deteriorating human health quality				X
Deteriorating beaches and coastal areas				X
Habitat Loss	X	^	^	
Habitat Conversion	X	^	^	
Introduced Species (includes natural and human-related)	X	^	^	
Loss of Species	X	^	^	
Degradation of Bio-Diversity	X	^	^	
X = RWG identified				
^ = overlap of problem				

**Overlaps in historical data review.**

<u>Problem</u>		<u>Type of Data Required to detect problem</u>	<u>Type, Unit:</u>	<u>Fisheries</u>	<u>Ecosystem</u>	<u>Biodiversity</u>	<u>Pollution</u>
<b>F1. Decline in Many Commercially Important Fishery Species</b>		Landings	Tonnes, by species	X			
		Fishing Effort	No. Boats, by fishery	X			
			HP of boats, by fishery	X			
		Composition of Catch	% Species of catch	X	^	^	
		Biological data	Growth pattern, by species	X			
			Reproduction, by Species	X	^	^	
			Spawning Season, by Species	X			
		Survey Result	Species Composition	X	^	^	
			Biomass	X			
			Environmental Characteristics	X			^
			Ichthyoplankton counts	X			
		New Survey Result	Species Composition, Biomass, Environmental Characteristics and Ichthyoplankton, etc.	X	^	^	^
		Ecological Characteristics	Migration pattern by species, spawning and nursery areas by species	X	^	^	





<u>Problem</u>		<u>Type of Data Required to detect problem</u>	<u>Type, Unit:</u>	<u>Fisheries</u>	<u>Ecosystem</u>	<u>Biodiversity</u>	<u>Pollution</u>	
<b>E1. Change in ecosystem structure</b>	zooplankton	composition (biodiversity)	species list		X	^		
		abundance	# per volume		X	^		
		biomass	ash-free dry weight per volume		X			
	phytoplankton	composition (biodiversity)	species list			X	^	
		abundance	# per volume			X	^	
		biomass	chlorophyll a			X		
	benthic community	composition (biodiversity)	species list			X	^	
		abundance	# per area			X	^	
		biomass	ash-free dry weight per area			X		
	HAB events	species	species list		^	X		^
		density	# per volume		^	X		^
		area	sq km		^	X		^
		# events	events per year		^	X		^
		duration	days		^	X		^
damage to fisheries		money lost		^	X		^	
jellyfish events	species	species list			X			
	density	# per sq km			X			
	distribution	# per volume			X			
	duration	days			X			

<u>Problem</u>		<u>Type of Data Required to detect problem</u>	<u>Type, Unit:</u>	<u>Fisheries</u>	<u>Ecosystem</u>	<u>Biodiversity</u>	<u>Pollution</u>
	trophic levels	composition (biodiversity)	species list		X	^	
		abundance	# per area		X	^	
		HPLC	phytoplankton pigment wt per wt predator		X		
		gut content	preys per stomach		X		
		lipid analysis	phytoplankton pigment wt per wt predator, fatty acid wt per wt predator		X		
	fish community	composition (biodiversity)	species list	X	^	^	
		abundance	# per area	X	^	^	
	marine mammals	species	species list	^	^	X	
		distribution	# per area	^	^	X	
		population size	population	^	^		
	birds	species,	species list		^	X	
		distribution	# per area		^	X	
		population size	population		^	X	
	macro algae	composition (biodiversity)	species list, % coverage		^	X	
		abundance	# per area		^	X	
		biomass	ash-free dry weight per volume		^	X	
	seagrass	species	species list		X	^	
		distribution	areal coverage		X	^	
		area	dry wt per sq m		X	^	

<u>Problem</u>		<u>Type of Data Required to detect problem</u>	<u>Type, Unit:</u>	<u>Fisheries</u>	<u>Ecosystem</u>	<u>Biodiversity</u>	<u>Pollution</u>
		biomass	wet /dry wt per unit area		X	^	
<b>E2. Change in ecosystem productivity</b>	primary productivity	primary production	Carbon weight per sq m per day		X		
		chlorophyll a	chl a wt per vol		X		
	secondary productivity	secondary production	Carbon weight per sq m per mth or yr		X		
	benthic production	community production	C wt per sq m per yr		X		
	microbial loop production	bacterial / micro zooplankton production	Carbon weight per sq m per day		X		
	sediment profiles for POC PON	profiles	ON, OC per depth of sediment column		X		
		sediment dating	Pb-210 dating		X		
<b>E3. Habitat modification</b>	change in habitat areas and types	aereal coverage and type	sq km, types	^	^	X	
	physical characteristics of habitat	temperature	deg C		X		^
		salinity	psu		X		^
		current	cm per sec, direction		X		^

<u>Problem</u>		<u>Type of Data Required to detect problem</u>	<u>Type, Unit:</u>	<u>Fisheries</u>	<u>Ecosystem</u>	<u>Biodiversity</u>	<u>Pollution</u>
		transparency	m		X		^
	chemical characteristics of habitat	nutrients	wt per vol		^		X
		DO	% saturation		^		X
		pH	pH		^		X
		SS	mg per vol		^		X
	sedimentary characteristics of habitat	sediment types	types		X		
		redox potential	mvolt		X		
		grain size	mm		X		
<b>B1. Habitat Loss</b>		Change in extent (Area and Length) of selected marine and coastal habitats	Reclamation Data (includes developing and approved)		^	X	
			Artificial vs. Natural Coastline (define artificial)		^	X	
			Habitat Type (e.g. using RAMSAR Classification System for Wetland types)		^	X	
		Percentage change in marine and coastal habitats under protection	International Registered, National (all relevant departments), Provincial, County (local), by protection type.		^	X	



<b>Problem</b>		<b><u>Type of Data Required to detect problem</u></b>	<b><u>Type, Unit:</u></b>	<b><u>Fisheries</u></b>	<b><u>Ecosystem</u></b>	<b><u>Biodiversity</u></b>	<b><u>Pollution</u></b>	
<b>P1. Deteriorating water quality (rivers, lakes, seas)</b>	water quality characteristics	dissolved oxygen	% saturation	^	^	^	X	
			NO <sub>2</sub> - µg/L	^	^	^	X	
			NO <sub>3</sub> - µg/L	^	^	^	X	
			ammonium - µg/L	^	^	^	X	
			total dissolved N - µg/L	^	^	^	X	
			total particulate N	^	^	^	X	
			total dissolved P - µg/L	^	^	^	X	
			orthophosphate	^	^	^	X	
			total particulate P	^	^	^	X	
			N:P ratios	^	^	^	X	
			silicates	^	^	^	X	
			chlorophyll a - µg/L	^	^	^	X	
			carbon	total particulate C	^	^	^	X
			fecal coliform	colonies/100 ML	^	^	^	X
			COD	mg/L	^	^	^	X
			SS	mg/L	^	^	^	X
			Heavy Metals	Cd, Cr, Cu, Pb, Hg, Zn, As	^	^	^	X
			Organic Pollutants	Organotin	^	^	^	X
				Phenolic Compounds	^	^	^	X
				Oil				X
	physical characteristics	salinity	ppt	^	^	^	X	
		temperature	C	^	^	^	X	
		pH		^	^	^	X	
		transparency	m	^	^	^	X	
		circulation		^	^	^	X	

<u>Problem</u>		<u>Type of Data Required to detect problem</u>	<u>Type, Unit:</u>	<u>Fisheries</u>	<u>Ecosystem</u>	<u>Biodiversity</u>	<u>Pollution</u>
	biota	Heavy Metals	Cd, Cr, Cu, Pb, Hg, Zn, As	^			X
		Organic Pollutants	Organotin	^			X
			PCBs	^			X
			Dioxins and Furans	^			X
			OCPs (9):	^			X
			Aldrin, chlordane, DDT & metabolites, dieldrin, endrin, heptachlor, hexachlorbenzene, hexachlorocyclohexanes, mirex	^			X
			PAHs (16):	^			X
			Naphthalene, acenaphthylene, acenaphthene, fluorine, phenanthrene, anthracene, pyrene, benzo[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a] pyrene, indeno[1,2,3-cd]anthracene, benzo[ghi]perylene	^			X
		Other Substances of Concern	PBDE	^			X
			PBB	^			X
			Phenolic Compounds	^			X
		lipid		^			X
		biomarker		^			X



<u>Problem</u>		<u>Type of Data Required to detect problem</u>	<u>Type, Unit:</u>	<u>Fisheries</u>	<u>Ecosystem</u>	<u>Biodiversity</u>	<u>Pollution</u>
	sediment	Heavy Metals	Cd, Cr, Cu, Pb, Hg, Zn, As		^		X
		Organic Pollutants	Organotin		^		X
			PCBs		^		X
			Dioxins and Furans		^		X
					^		
			OCPs (9):		^		X
			Aldrin, chlordane, DDT & metabolites, dieldrin, endrin, heptachlor, hexachlorbenzene, hexachlorocyclohexanes, mirex		^		X
					^		
			PAHs (16):		^		X
			Naphthalene, acenaphthylene, acenaphthene, fluorine, phenanthrene, anthracene, pyrene, bezo[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a] pyrene, indeno[1,2,3-cd]anthracene, benzo[ghi]perylene		^		X
		Other Substances of Concern	PBDE		^		X
			PBB		^		X

<u>Problem</u>		<u>Type of Data Required to detect problem</u>	<u>Type, Unit:</u>	<u>Fisheries</u>	<u>Ecosystem</u>	<u>Biodiversity</u>	<u>Pollution</u>
			Phenolic Compounds		^		X
		TPH					X
		organic C					X
		grain size					X
		sulphide					X
	Inputs (atm)	Heavy Metals	Pb, Hg				X
			PCBs				X
			OCPs (9):				X
			Aldrin, chlordane, DDT & metabolites, dieldrin, endrin, heptachlor, hexachlorbenzene, hexachlorocyclohexanes, mirex				X
			PAHs (16):				X
			Naphthalene, acenaphthylene, acenaphthene, fluorine, phenanthrene, anthracene, pyrene, benzo[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a] pyrene, indeno[1,2,3-cd]anthracene, benzo[ghi]perylene				X
		Other Substances of	PBDE				X



<b><u>Problem</u></b>		<b><u>Type of Data Required to detect problem</u></b>	<b><u>Type, Unit:</u></b>	<b><u>Fisheries</u></b>	<b><u>Ecosystem</u></b>	<b><u>Biodiversity</u></b>	<b><u>Pollution</u></b>
<b>P2. decline in fish and other marine species</b>	disease and death in marine organisms	harmful algal bloom	# occurrences	^	^	^	X
			duration	^	^	^	X
			month of occurrence	^	^	^	X
			areal size of occurrence	^	^	^	X
		parasites	# occurrences	^	^	^	X
			duration	^	^	^	X
			month of occurrence	^	^	^	X
			areal size of occurrence	^	^	^	X
		fisherfolk income	gross annual income per household	^			X
<b>P3. deteriorating human health quality</b>	death and disease in humans	loss of labour pool	# of able-bodied persons not employed				X
		nat'l/individual insurance costs	average insurance premium costs in USD				X
		hospitalization / outpatient fee	fee in USD				X
		introduced human-affected diseases	#, type of new diseases				X
<b>P4. deteriorating beaches and coastal areas</b>	quality of recreational areas	fecal coliform	colonies/100 ML				X
		enterococcus	colonies/100 ML				X
		litter					X
		transparency	m				X
		sewage					X
	income from tourism	USD				X	

<b><u>Problem</u></b>		<b><u>Type of Data Required to detect problem</u></b>	<b><u>Type, Unit:</u></b>	<b><u>Fisheries</u></b>	<b><u>Ecosystem</u></b>	<b><u>Biodiversity</u></b>	<b><u>Pollution</u></b>
		activities					
X = will collect data							
^ = can use/ need / benefit from data							

**Overlaps in joint cruise data collection.**

Variables for joint cruise survey		Ecosystem	Fisheries	Biodiversity	Pollution (water)	Pollution (sediment)	Pollution (biota)	Wetland Int'l can provide
E1. oceanographic variables	CTD with PAR, beam-transmission, fluorescence	X						
	Nutrients (by Pollution Group) - see P2	^			X	X		
E2. Phytoplankton	Phytoplankton species counts	X		^				
	Size-fractionated biomass (chl-a) and primary production	X						
	Pico-phytoplankton cell counts and primary production	X						
	Bio-optics (down-welling and upwelling spectral radiance, attenuation, HPLC, particulate absorption, pigment absorption, etc)	X						
E3. zooplankton	Zooplankton species abundance	X		^				
	Meso-zooplankton biomass	X						
	Meso-zooplankton fecal pellet production	X						
	[Meso-zooplankton egg production]	-						
	[Vertical distribution of fecal pellets from water sample]	-						
	[Zooplankton vertical distribution, in selected station(s), using MOCNESS (or MPS)]	-						

Variables for joint cruise survey		Ecosystem	Fisheries	Biodiversity	Pollution (water)	Pollution (sediment)	Pollution (biota)	Wetland Int'l can provide
E4. benthos	Grab sample for benthos species diversity, abundance, and biomass	X		^			^	
	Grain size of the bottom sediment	X						
	Sediment organic content	X				^		
	[sediment coring sample (<1m length)]	-						
	[bottom Temperature, Salinity, and Oxygen content] - see P1	-			X			
E5. Bacteria	Bacterial abundance & biodiversity	X		^				
	Heterotrophic bacterial production	X						
	[Limiting resources for bacterial growth (potential impact by yellow sand)]	-						
	[Heterotrophic bacterial respiration]	-						
E6. Protozoa	Protistan (flagellate & ciliates, etc.) abundance and composition	X		^				
	[Protozoan grazing on the picoplankton]	-						
F1. Experimental trawl survey	Species composition	^	X	^			^	
	Size composition of dominant species	^	X	^				
	Geographical distribution, abundance	^	X	^				

Variables for joint cruise survey		Ecosystem	Fisheries	Biodiversity	Pollution (water)	Pollution (sediment)	Pollution (biota)	Wetland Int'l can provide
	Stomach contents (foods): about 30 specimens for each dominant species	^	X					
	Ages (if necessary)		X	^				
F2. Ichthyoplankton	Density of early stage by dominant species		X	^				
F3. Acoustic survey: follow the survey stations	Abundance by dominant pelagic species and zoo plankton	^	X	^				
F4. Fishing ground condition: depends on the other components' survey items	Water temperature and salinity by depth		X		^			
	Food (chlorophyll, Zoo plankton)	^	X	^				
F5. Carrying capacity: depends on the pollution component's survey items (If they don't cover all of the items as follows, it is necessary to sample about 2 litres of water as well as temperature, salinity and DO)	Water temperature, salinity, DO, COD, Nutrients (N, P), POC, DOC by depth (surface, mid and bottom) at each survey station		X		X			
B1. Saltpan Extent		^		^	^	^		X



Variables for joint cruise survey		Ecosystem	Fisheries	Biodiversity	Pollution (water)	Pollution (sediment)	Pollution (biota)	Wetland Int'l can provide
B2. Mariculture Extent		^	^	^	^	^		X
P1. routine parameters	temp, pH, salinity, transparency, DO, COD, SS, chlorophyll a		^		X			
P2. nutrients	nitrate, nitrite, ammonium, phosphate, silicate		^		X	X		
P3. organic pollutants	TOC, oil, PAH, PCB, OCP				X	X	X	
P4. heavy metals	Cd, Cr, Cu, Pb, Hg, Zn, As				X	X	X	
X = will collect								
^ = need data or can benefit from data								
- = optional to collect								



### Appendix III

#### Expenditures and Balance of the Project (as of 25 November 2005)

IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
<b>1000</b>	<b>Personnel</b>								
<b>1100</b>	<b>International Experts</b>								
<b>1101</b>	Programme Manager	<b>934,271</b>	-88,170	171,919	-158,979	12,940	-27,910	-186,889	-14,970
<b>1102</b>	Environ Officer	<b>603,399</b>	0	109,200	-110,185	-985	-16,263	-126,448	-17,248
<b>1103</b>	Fisheries Officer	<b>603,399</b>	0	109,200	-84,212	24,988	-16,159	-100,371	8,829
<b>1104</b>	Economist	<b>603,399</b>	0	109,200	0	109,200	-44,649	-44,649	64,551
<b>1199</b>	<b>Sub Total</b>	<b>2,744,468</b>	<b>-88,170</b>	<b>499,519</b>	<b>-353,375</b>	<b>146,144</b>	<b>-104,981</b>	<b>-458,356</b>	<b>41,163</b>
<b>1200</b>	<b>Short-term Consultants</b>								
<b>1201</b>	Stock assessment (tasks:1.1-1.5) (1.5 w/m)	<b>14,000</b>	0	14,000	0	14,000	-14,000	-14,000	0
<b>1202</b>	Carry capacity (tasks: 2.1-2.2) (2 w/m)	<b>10,500</b>	0	10,500	0	10,500	-10,500	-10,500	0
<b>1203</b>	Mariculture (tasks: 3.1-3.4) (1.5 w/m)	<b>10,500</b>	0	10,500	0	10,500	-10,500	-10,500	0
<b>1204</b>	Feasibility study on the regional agreement, i.e. FAO code of conduct	<b>7,000</b>	0	7,000	0	7,000	-7,000	-7,000	0
<b>1205</b>	Legislation (task:4.1-4.3)	<b>21,000</b>	0	7,000	0	7,000	0	0	7,000
<b>1206</b>	SAP-fisheries		0	0	0	0	0	0	0

IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
		14,000							
1207	Habitats review (tasks: 1.1-1.4) (1.5 w/m)	-	0	0	0	0	0	0	0
1208	Vulnerable Species (tasks: 2.1-2.4) (2 w/m)	14,000	0	7,000	0	7,000	-7,000	-7,000	0
1209	Genetic Diversity (tasks: 3.1-3.3) (1 w/m)	-	0	0	0	0	0	0	0
1210	Invented species (tasks: 4.1-4.5) (1.5 w/m)	-	0	0	0	0	0	0	0
1211	Contaminant Inputs (tasks: 1.1-1.4)	10,500	0	10,500	0	10,500	-10,500	-10,500	0
1212	Contaminant monitory (tasks: 2.1-2.3)	14,000	0	14,000	-1,000	13,000	-13,000	-14,000	0
1213	Hot spot (tasks (4.1-4.5)	14,000	0	0	0	0	0	0	0
1214	Emergency Planning and Preparedness (tasks (5.1-5.3)	-	0	0	0	0	0	0	0
1215	Legal and Regulatory (tasks 6.1-6.4)	14,000	0	0	0	0	0	0	0
1216	Prepare state-of-ecosystem reviews and reports (tasks 1.1-1.5)	14,000	0	14,000	0	14,000	-14,000	-14,000	0
1217	Carrying Capacity of Ecosystem (tasks:consultant 2.1-2.7)	7,000	0	7,000	0	7,000	-7,000	-7,000	0
1218	Identify and rank stresses on the ecosystem	10,500	0	0	0	0	0	0	0
1219	Review preliminary TDA, and suggest improvements (Tasks:consultant 1.1-1.3 (2.5 w/m)	17,500	0	17,500	0	17,500	0	0	17,500

IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
1220	Reg. SAP consultant (Consultant 3.1-3.4 (3 w/m))	21,000	0	0	0	0	0	0	0
1221	Prepare proposal on continuation of the project preparation and feasibility studies for long-term environmental investment (tasks:consultant 5.1-5.2 (1.5 w/m))	-	0	0	0	0	0	0	0
1222	Data & info. Management system	7,000	0	7,000	0	7,000	0	0	7,000
1223	Consultants unspecified	140,000	0	30,000	-2,072	27,928	0	-2,072	27,928
1299	<b>Sub Total</b>	<b>360,500</b>	<b>0</b>	<b>156,000</b>	<b>-3,072</b>	<b>152,928</b>	<b>-93,500</b>	<b>-96,572</b>	<b>59,428</b>
1300	<b>Supporting staff</b>								
1301	Secretary	158,112	0	28,614	-24,004	4,610	-5,216	-29,220	-606
1302	Driver	123,770	0	24,029	-22,173	1,856	-4,381	-26,554	-2,525
1303	Adm. Asst.	143,532	0	28,614	-26,400	2,214	-5,216	-31,616	-3,002
1304	Adm. Officer	227,922	-4,016	48,194	-44,462	3,732	-8,785	-53,247	-5,053
1305	IT supporting staff	143,532	0	28,614	-25,234	3,380	-5,216	-30,450	-1,836
1399	<b>Sub Total</b>	<b>796,868</b>	<b>-4,016</b>	<b>158,065</b>	<b>-142,273</b>	<b>15,792</b>	<b>-28,814</b>	<b>-171,087</b>	<b>-13,022</b>
1500	<b>Duty Travel</b>								
1501	PCU/International Expert Travel	397,040	-4,163	77,800	-72,556	5,244	-28,178	-100,735	-22,935
1599	<b>Sub Total</b>	<b>397,040</b>	<b>-4,163</b>	<b>77,800</b>	<b>-72,556</b>	<b>5,244</b>	<b>-28,178</b>	<b>-100,735</b>	<b>-22,935</b>

IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
<b>1600</b>	<b>Mission Costs</b>								
1601	Annual Tri Part Review (IVB)	40,000	0	8,000	0	8,000	0	0	8,000
1602	Interviews/Travel (CTA Prospects) (IVB)	20,000	-10,879	20,000	0	20,000	-9,121	-9,121	10,879
<b>1699</b>	<b>Sub Total</b>	<b>60,000</b>	<b>-10,879</b>	<b>28,000</b>	<b>0</b>	<b>28,000</b>	<b>-9,121</b>	<b>-9,121</b>	<b>18,879</b>
<b>1700</b>	<b>(Nat'I Project Professional Personnel) NPPP</b>								
1701	Mariculture Advisor	83,000	0	11,000	0	11,000	0	0	11,000
1702	Biodiversity Advisor	76,800	0	0	0	0	0	0	0
1703	Ecosystem Advisor	30,000	0	0	0	0	0	0	0
1704	NCU Coordinator (K)	300,000	0	60,000	0	60,000	-45,000	-45,000	15,000
1705	NCU Coordinator (C)	174,200	0	34,800	0	34,800	-26,100	-26,100	8,700
1706	TDA NPPP	50,000	0	0	0	0	0	0	0
1707	DIM Consultants	160,000	0	40,000	0	40,000	0	0	40,000
<b>1799</b>	<b>Sub Total</b>	<b>874,000</b>	<b>0</b>	<b>145,800</b>	<b>0</b>	<b>145,800</b>	<b>-71,100</b>	<b>-71,100</b>	<b>74,700</b>
<b>1999</b>	<b>COMPONENT TOTAL</b>	<b>5,232,876</b>	<b>-107,228</b>	<b>1,065,184</b>	<b>-571,276</b>	<b>493,908</b>	<b>-335,695</b>	<b>-906,971</b>	<b>158,213</b>
<b>2000</b>	<b>Contracts</b>								
<b>2100</b>	<b>Subcontracts</b>								
2101	Stock assessment (tasks:1.1-1.5)		0	90,000	0	90,000	-89,242	-89,242	758

IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
		90,000							
2102	Revise natl stock assessment (tasks:2.1 - 2.3)	5,000	0	5,000	0	5,000	0	0	5,000
2103	Perform reg. stock assessment	240,000	0	80,000	0	80,000	-80,000	-80,000	0
2104	Annual carrying capacity determination	120,000	0	0	0	0	0	0	0
2105	Implement mariculture techniques.	190,000	0	0	0	0	0	0	0
2106	Implement Reg Fisheries and ecosystem Management / Implementation Plans	180,000	0	0	0	0	0	0	0
2107	Ship rental	610,000	0	210,000	0	210,000	-232,453	-232,453	-22,453
2108	Review existing national practices of coastal habitat use, conservation, & restoration (tasks: 1.1-1.3)	100,000	0	60,000	-14,900	45,100	-41,800	-56,700	3,300
2109	Implement Regional Strategy for Conservation Areas	225,000	0	0	0	0	0	0	0
2110	Implement regionally coordinated strategies for protection of vulnerable species	-	0	0	0	0	0	0	0
2111	Review national info (tasks: contract 1.1-1.9)	90,000	0	90,000	0	90,000	-89,975	-89,975	25
2112	Environmental Survey with other working groups	240,000	0	120,000	0	120,000	-99,150	-99,150	20,850

IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
2113	Intercalibration exercise	22,000	0	22,000	0	22,000	-22,000	-22,000	0
2114	Develop funding mechanism to implement the regional strategy	300,000	0	0	0	0	0		0
2115	Practice & Intercalibration of the procedure	25,000	0	0	0	0	0		0
2116	ICM actions for controlling of discharge of contaminants and nutrients	40,000	0	0	0	0	0		0
2117	Facilitate implementation of procedures for re-mediation and prevention.	40,000	0	0	0	0	0		0
2118	National reviews (tasks: contract 1.1-1.4)	90,000	0	90,000	-18,000	72,000	-71,268	-89,268	732
2119	Demonstration of new and innovative technologies for monitoring	45,000	0	0	0	0	0		0
2120	Develop strategy to identify long-term sustainable investments	60,000	0	0	0	0	0		0
2121	Conduct a basin-scale survey on lower-trophic level ecosystem	270,000	0	90,000	0	90,000	-90,000	-90,000	0
2123	Stakeholders activities (Tasks: contract 1.1-1.4)	24,000	0	10,000	0	10,000	0	0	10,000
2124	The Yellow Sea and Youth	32,000	0	0	0	0	0		0
2125	regular stakeholders conference (1/yr)	16,000	0	0	0	0	0		0
2126	Contact for NYSAP	29,000	0	0	0	0	0		0



IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
2127	Strengthen national institutions (tasks: contract 3.1-3.3)	35,000	0	14,000	0	14,000	0	0	14,000
2128	Provide matched funds for the approved projects (contracts)	-	0	0	0	0	0	0	0
2129	Demonstration projects on sustainable investment	1,100,000	0	0	0	0	0	0	0
2130	Organise public awareness conferences	14,000	0	0	0	0	0	0	0
2131	Preparation of public awareness materials	22,000	0	12,000	0	12,000	0	0	12,000
2132	Produce project pins, mouse pads etc.	15,000	0	15,000	0	15,000	-5,000	-5,000	10,000
2133	National co-ordinating mechanism (C)	177,900	0	35,580	0	35,580	-26,400	-26,400	9,180
2134	National co-ordinating mechanism (K)	52,100	0	10,420	0	10,420	-7,500	-7,500	2,920
2135	Other contracts	573,000	0	114,000	0	114,000	-4,200	-4,200	109,800
2199	<b>Sub Total</b>	<b>5,072,000</b>	<b>0</b>	<b>1,068,000</b>	<b>-32,900</b>	<b>1,035,100</b>	<b>-858,988</b>	<b>-891,888</b>	<b>176,112</b>
2999	<b>COMPONENT TOTAL</b>	<b>5,072,000</b>	<b>0</b>	<b>1,068,000</b>	<b>-32,900</b>	<b>1,035,100</b>	<b>-858,988</b>	<b>-891,888</b>	<b>176,112</b>
3000	<b>Training &amp; meeting</b>								
3100	<b>Fellowship</b>								
3101	Intern programme	120,000	0	24,000	0	24,000	0	0	24,000
3102	Other fellowships		0	10,000	0	10,000	0	0	10,000

IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
		50,000							
<b>3199</b>	<b>Sub Total</b>	<b>170,000</b>	<b>0</b>	<b>34,000</b>	<b>0</b>	<b>34,000</b>	<b>0</b>	<b>0</b>	<b>34,000</b>
<b>3200</b>	<b>Group training</b>								
<b>3201</b>	Reg. training on carrying capacity	-	0	0	0	0	0	0	0
<b>3202</b>	Reg. training on mariculture techniques	20,000	0	0	0	0	0	0	0
<b>3203</b>	Reg training on disease diagnosis, prevention and control	20,000	0	0	0	0	0	0	0
<b>3204</b>	Training Course on genetic techniques	-	0	0	0	0	0	0	0
<b>3205</b>	Reg. training on regulation and control of exotic species.	-	0	0	0	0	0	0	0
<b>3206</b>	Training on contaminant monitoring	20,000	0	20,000	0	20,000	0	0	20,000
<b>3207</b>	training & intercalbration on assessment	-	0	0	0	0	0	0	0
<b>3208</b>	Reg training on carrying capacity of ecosystem	20,000	0	0	0	0	0	0	0
<b>3209</b>	Training course on monitoring HAB	-	0	0	0	0	0	0	0
<b>3210</b>	Training for decision makers (Training 1)	20,000	0	0	0	0	0	0	0
<b>3211</b>	Training for community trainers (Training 2)	20,000	0	0	0	0	0	0	0
<b>3212</b>	Training for local governmental officers (training 3)	20,000	0	0	0	0	0	0	0

IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
3213	Training on Project document preparation	20,000	0	0	0	0	0	0	0
3214	Training on Fund raising	20,000	0	0	0	0	0	0	0
3215	Training on DIM	20,000	0	0	0	0	0	0	0
3216	Public awareness training-1	40,000	0	20,000	0	20,000	0	0	20,000
	Public awareness training-2	-	0	0	0	0	0	0	0
3217	Other trainings	400,000	0	80,000	-1,438	78,562	0	-1,438	78,562
<b>3299</b>	<b>Sub Total</b>	<b>640,000</b>	<b>0</b>	<b>120,000</b>	<b>-1,438</b>	<b>118,562</b>	<b>0</b>	<b>-1,438</b>	<b>118,562</b>
<b>3300</b>	<b>Meetings Conference</b>								
3301	Project Steering Committee meetings	90,000	0	18,000	-13,060	4,940	-11,960	-25,020	-7,020
3302	Technical Working Group meetings	125,000	-9,767	25,000	-23,687	1,313	-18,916	-42,603	-17,603
3303	Regional scientific conference	240,000	0	0	0	0	0	0	0
3304	Reg WG-F (meeting 1; tasks: 1.1.-1.4)	17,500	0	17,500	-4,164	13,336	0	-4,164	13,336
3305	Reg WG-F (meeting 2; tasks: 2.1 - 2.5)	17,500	0	17,500	0	17,500	-11,504	-11,504	5,996
3306	Reg WG-F (meeting 3; tasks: 3.1 - 3.10)	22,500	0	0	0	0	0	0	0
3307	Reg WG-F (meeting 4; tasks: 4.1)	17,500	0	0	0	0	0	0	0
3308	Reg WG-F (meeting5; tasks: 5.1 - 5.6)	20,000	0	0	0	0	0	0	0

IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
3309	Reg WG-F (meeting 6; tasks: tbd)	20,000	0	0	0	0	0	0	0
3310	Reg WG-B (meeting 1; tasks: .1.1-1.6)	17,500	0	17,500	-3,436	14,064	0	-3,436	14,064
3311	Reg WG-B (meeting 2; tasks: 2.1-2.6)	17,500	0	17,500	0	17,500	-13,057	-13,057	4,443
3312	Reg WG-B (meeting 3; tasks: 3.1-3.3)	17,500	0	0	0	0	0	0	0
3313	Reg WG-B (meeting 4; tasks: 4.1-4.4)	17,500	0	0	0	0	0	0	0
3314	Reg WG-B (meeting 5; tasks: 5.1)	17,500	0	0	0	0	0	0	0
3315	Reg WG-B (meeting6; tasks: tbd)	17,500	0	0	0	0	0	0	0
3316	WG-P meeting 1 (tasks: meeting 1.1-1.5)	15,000	0	15,000	-8,017	6,983	0	-8,017	6,983
3317	WG-P meeting 2 (tasks: meeting 2.1-2.7)	17,500	0	17,500	0	17,500	-9,552	-9,552	7,948
3318	WG-P meeting 3 (tasks: meeting 3.1-3.5)	17,500	0	0	0	0	0	0	0
3319	WG-P meeting 4 (tasks: meeting 4.1-4.6)	17,500	0	0	0	0	0	0	0
3320	WG-P meeting 5 (tasks: meeting 5.1-5.2)	17,500	0	0	0	0	0	0	0
3321	WG-P meeting 6 (tasks: tbd)	15,000	0	0	0	0	0	0	0
3322	WG-Eco meeting 1(tasks: meeting 1.1-1.3)	15,000	0	15,000	-10,902	4,098	0	-10,902	4,098
3323	WG-Eco meeting 2(tasks: meeting 2.1-2.5)	17,500	0	17,500	0	17,500	-17,500	-17,500	0
3324	WG-Eco meeting 3(tasks: meeting 3.1-		0	0	0	0	0	0	0



IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
4101	Office supplies	54,000	-913	18,000	-4,820	13,180	-3,000	-7,820	10,180
4102	Library acquisitions	5,000	0	2,000	0	2,000	0	0	2,000
4103	GIS Software	8,000	0	8,000	0	8,000	0	0	8,000
4104	Computer Software	11,000	-640	5,000	-4,995	5	-2,855	-7,850	-2,850
4199	<b>Sub Total</b>	<b>78,000</b>	<b>-1,553</b>	<b>33,000</b>	<b>-9,815</b>	<b>23,185</b>	<b>-5,855</b>	<b>-15,670</b>	<b>17,330</b>
4200	<b>Non-expendable equipment (computers, office equip, etc)</b>								
4201	Computers	50,000	-5,399	15,000	-3,467	11,533	-1,875	-5,342	9,658
4202	GIS workstation	3,000	0	3,000	0	3,000	0	0	3,000
4203	Printers	3,000	0	2,000	0	2,000	0	0	2,000
4204	Copy machine (small size)	3,500	0	3,500	-550	2,950	0	-550	2,950
4205	PowerPoint OHP	6,200	-3,459	6,200	0	6,200	0	0	6,200
4206	Automobile	25,000	-22,881	25,000	0	25,000	0	0	25,000
4207	Equipment for regional survey (f)	60,000	0	20,000	0	20,000	0	0	20,000
4208	Sea-going equipment	360,000	0	300,000	0	300,000	-200,000	-200,000	100,000
4209	Equipment for DIM	44,000	0	30,000	0	30,000	-18,220	-18,220	11,780
4210	Equipment unspecified		0	12,000	-1,215	10,785	-4,230	-5,445	6,555

IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
		84,000							
<b>4299</b>	<b>Sub Total</b>	<b>638,700</b>	<b>-31,739</b>	<b>416,700</b>	<b>-5,232</b>	<b>411,468</b>	<b>-224,325</b>	<b>-229,557</b>	<b>187,143</b>
<b>4300</b>	<b>Premises (office rent, maintenance, of premises, etc)</b>								
<b>4301</b>	Office rent	-	0	0	0	0	0	0	0
<b>4302</b>	Furniture	18,000	-6,123	12,000	-4,796	7,204	0	-4,796	7,204
<b>4303</b>	unspecified costs	25,000	0	5,000	0	5,000	0	0	5,000
<b>4399</b>	<b>Sub Total</b>	<b>43,000</b>	<b>-6,123</b>	<b>17,000</b>	<b>-4,796</b>	<b>12,204</b>	<b>0</b>	<b>-4,796</b>	<b>12,204</b>
<b>4999</b>	<b>COMPONENT TOTAL</b>	<b>759,699</b>	<b>-39,414</b>	<b>466,700</b>	<b>-19,844</b>	<b>446,856</b>	<b>-230,180</b>	<b>-250,024</b>	<b>216,676</b>
<b>5000</b>	<b>MISCELLANEOUS COMPONENT</b>								
<b>5100</b>	<b>Operation and maintenance of equip.</b>								
<b>5101</b>	Rental & maint. of computer equip.	15,000	0	3,000	0	3,000	0	0	3,000
<b>5102</b>	Rental & maint. of copiers	7,500	0	1,500	0	1,500	0	0	1,500
<b>5103</b>	Repair & maint. of vehicles & insurance	40,000	0	8,000	-2,992	5,008	-2,000	-4,992	3,008
<b>5104</b>	Rental & maint. of other office equip	12,500	0	2,500	0	2,500	0	0	2,500
<b>5105</b>	Rental of meeting rooms & equip.	10,000	0	2,000	-1,209	791	-1,530	-2,739	-739
<b>5199</b>	<b>Sub Total</b>	<b>85,000</b>	<b>0</b>	<b>17,000</b>	<b>-4,200</b>	<b>12,800</b>	<b>-3,530</b>	<b>-7,730</b>	<b>9,270</b>

IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
<b>5200</b>	<b>Reporting costs (publications, maps, newsletters, printing, etc)</b>								
<b>5201</b>	Stock assessment report	<b>4,000</b>	0	0	0	0	0	0	0
<b>5202</b>	Carrying capacity report	<b>3,000</b>	0	0	0	0	0	0	0
<b>5203</b>	Existing laws & regulation	<b>4,000</b>	0	0	0	0	0	0	0
<b>5204</b>	Review national practices of coastal habitat use, conservation, and restoration.	<b>3,000</b>	0	0	0	0	0		0
<b>5205</b>	Review of status of vulnerable species and vulnerable trophic linkages.	<b>3,000</b>	0	0	0	0	0		0
<b>5206</b>	Regional contaminant inputs	<b>3,000</b>	0	0	0	0	0		0
<b>5207</b>	Investment strategy	<b>3,000</b>	0	0	0	0	0		0
<b>5208</b>	Strategies for rapid & long-term regional responses to catastrophic causes of pollution	-	0	0	0	0	0		0
<b>5209</b>	Review report of national legislation on pollution	<b>3,000</b>	0	0	0	0	0		0
<b>5210</b>	Review of fate and transport of contaminants	<b>3,000</b>	0	0	0	0	0		0
<b>5211</b>	Regional carrying capacity of ecosystem	<b>3,000</b>	0	0	0	0	0		0



IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
5212	Ecosystem stresses-national & regional status	3,000	0	0	0	0	0	0	0
5214	printing newsletters	5,000	0	1,000	0	1,000	0	0	1,000
5215	Printing the final TDA	3,000	0	0	0	0	0	0	0
5216	Printing NYSAP	3,000	0	0	0	0	0	0	0
5217	Printing regional SAP	3,000	0	0	0	0	0	0	0
5219	Other reportings	68,000	0	8,000	-489	7,511	-5,500	-5,989	2,011
5220	Publication (other than reports)	53,000	0	5,000	-4,955	45	0	-4,955	45
5221	Webpage designee and updating	5,000	0	3,000	-356	2,644	0	-356	2,644
5299	<b>Sub Total</b>	<b>175,000</b>	<b>0</b>	<b>17,000</b>	<b>-5,800</b>	<b>11,200</b>	<b>-5,500</b>	<b>-11,300</b>	<b>5,700</b>
5300	<b>Sundry (communications, postage, freight, clearance charges, etc)</b>								
5301	Communication	77,000	-6,139	12,000	-2,311	9,689	-1,545	-3,855	8,145
5302	postage/freight	6,250	0	1,250	-1,239	11	0	-1,239	11
5303	unspecified	45,000	-67	9,000	-6,992	2,008	-1,000	-7,992	1,008
5399	<b>Sub Total</b>	<b>128,250</b>	<b>-6,206</b>	<b>22,250</b>	<b>-10,542</b>	<b>11,708</b>	<b>-2,545</b>	<b>-13,087</b>	<b>9,163</b>
5400	<b>Hospitality and entertainment</b>								
5401	Hospitality and entertainment	28,000	0	4,000	-301	3,699	0	-301	3,699

IMIS Code	IMIS Code Description	Original Budget	Yr2004	FY2005					
			Exp 2004 Jul~Dec	Yr 2005 Budget	Expenditure 2005 Jan-Oct	Yr2005 Bal Jan-Oct	Est.Exp 2005 Nov~Dec	Total Expenditures 2005 Jan-Dec	Est. Yr1 Bal
5499	<b>Sub Total</b>	28,000	0	4,000	-301	3,699	0	-301	3,699
5500	<b>Evaluation (consultants fees/travel/DSA, admin support, etc. internal projects)</b>								
5501	Evaluation (consultants fees/travel/DSA)	96,000	0	0	0	0	0	0	0
5599	<b>Sub Total</b>	96,000	0	0	0	0	0	0	0
5600	<b>UNOPS Project Supporting Cost</b>								
5699	<b>Sub Total</b>	-	0	0	0	0	0	0	0
5999	<b>COMPONENT TOTAL</b>	512,250	-6,206	60,250	-20,844	39,406	-11,575	-32,418	27,832
	<b>TOTAL</b>	13,579,326	-162,616	3,059,634	-720,914	2,338,720	1,530,752	-2,251,666	807,968
5600-5	<b>UNOPS Project Supporting Cost (6%)</b>	814,760	-9,757	183,578	-43,255	140,323	-91,845	-135,100	48,478
	<b>GRAND TOTAL</b>	14,394,086	-172,373	3,243,212	-764,169	2,479,043	1,622,597	-2,386,766	856,446

## Appendix IV

### List of Meetings Convened by Project: 2004 to 2005

14-16 Dec 2004	First Regional Technical Meeting, Beijing, China
3-5 March 2005	Second Regional Technical Meeting, Ansan, Korea
7 March 2005	Project Launching Ceremony, Seoul, Korea
7-8 March 2005	1 <sup>st</sup> Project Steering Committee Meeting, Seoul, Korea
6-9 April 2005	1 <sup>st</sup> Regional Working Group Meeting – Pollution, Qingdao, China
11-14 April 2005	1 <sup>st</sup> Regional Working Group Meeting – Fisheries, Qingdao, China
18-22 April 2005	1 <sup>st</sup> Regional Working Group Meeting – Biodiversity, Qingdao, China
10-13 May 2005	1 <sup>st</sup> Regional Working Group Meeting – Ecosystem, Geoje Island, Korea
17-20 May 2005	1 <sup>st</sup> Regional Working Group Meeting – Investment, Yantai, China
4-6 July 2005	1 <sup>st</sup> Regional Science and Technical Panel Meeting, Dalian, China
7-10 Nov 2005	2 <sup>nd</sup> Regional Working Group Meeting – Pollution, Busan, Korea
9-12 Nov 2005	2 <sup>nd</sup> Regional Working Group Meeting – Biodiversity, Jeju, Korea
14-19 Nov 2005	2 <sup>nd</sup> Regional Working Group Meeting – Investment, Jeju, Korea
17-20 Nov 2005	2 <sup>nd</sup> Regional Working Group Meeting – Fisheries, Busan, Korea
29 Nov–2 Dec 2005	2 <sup>nd</sup> Regional Working Group Meeting – Ecosystem, Shanghai, China
15-17 Dec 2005	2 <sup>nd</sup> Regional Science and Technical Panel Meeting, Kunming, China
19-20 Dec 2005	2 <sup>nd</sup> Project Steering Committee Meeting, Kunming, China



## Appendix V

### List of Acronyms

DIM	Data and information management
FAO	Food and Agricultural Organisation
FIO	First Institute of Oceanography
GEF	Global Environment Facility
GIS	Geographic Information System
GOOS	Global Ocean Observing System
IMCC	Inter-ministerial Co-ordinating Committee
IOC	Intergovernmental Oceanographic Commission
KORDI	Korea Ocean Research and Development Institute
MOU	Memorandum of Understanding
MSC	Marine Stewardship Council
NEAR-GOOS	Northeast Asian Regional Global Ocean Observing System
NFRDI	National Fisheries Research and Development Institute - Korea
NGOs	Non-Governmental Organizations
NMEMC	National Marine Environmental Monitoring Center - China
NOWPAP	Northwest Pacific Action Plan
NPC	National Project Co-ordinator
NWG	National Working Group
PMO	Project Management Office
PSC	Project Steering Committee
RSTP	Regional Scientific and Technical Panel
RWG	Regional Working Group
RWG-F, E, B, P, I	Regional Working Group – Fisheries, Ecosystem, Biodiversity, Pollution, Investment
SAP	Strategic Action Programme
SHMA	State Hydrometeorological Administration – DPR Korea
SOA	State Oceanic Administration - China
TDA	Transboundary Diagnostic Analysis
UNDP	United Nations Development Programme
UNEP	United Nations Environment Programme
UNOPS	United Nations Office for Project Services
WI	Wetlands International
WSFRI	West Sea Fisheries Research Institute - Korea
WWF	World Wide Fund for Nature
YSEPP	Yellow Sea Eco-region Planning Programme
YSLME	Yellow Sea Large Marine Ecosystem



## Annex IV

### Second RSTP Meeting Chairperson's Report

#### Executive Summary Of the Second Meeting of the Regional Scientific and Technical Panel

The second meeting of the Regional Scientific and Technical Panel was organised in Kunming, China, 15-17 December 2005, with participation of experts from the participating countries, China and Republic of Korea. The experts from DPR Korea attended the meeting as observers. Representatives from WWF, Wetlands International, UNEP/NOWPAP, and EAS/RCU also attended the meeting as observers. The meeting elected Mr. Haiqing Li as the Chairperson and Dr. Hyung-Tack Huh as Vice Chairperson.

The meeting discussed and agreed on following major issues:

- The meeting considered the Project Manager's report on the implementation of project activities during 2005. The meeting expressed its satisfaction on the implementation and expressed appreciation to Project Management Office (PMO) for their hard work:
  - (i) With emphasis on the importance of regional co-operation and co-ordination, the meeting adopted the "Strategy for Public Awareness and Participation," understanding that the Strategy will be improved during the implementation.
  - (ii) The meeting welcomed the efforts of the Project Manager in involving DPRK in the project, with assistance from the NPC, China, and was pleased about the fact that DPRK representatives attended this meeting as observers. The meeting encouraged that the actions should be taken along a similar direction, to get DPRK involved in the project as soon as possible.
  - (iii) The meeting approved the expenditure report for 2005, as presented by the PMO; and
  - (iv) The challenges during the first year of implementation and recommendations for future implementation were considered by the meeting, and the necessary actions to address the major problems were considered and agreed upon.
- 2. The meeting considered the reports of the National Co-ordinators and the Chairpersons of the Regional Working Groups on the implementation of project activities in the respective areas. Relevant discussions and agreements were presented in the final report of the meeting.
- 3. For the future implementation of the project, the meeting considered the new activities proposed by the regional working groups, in particular the meeting agreed on the following activities:
  - Following careful consideration of the approval of the co-operative cruises in the participating countries, the meeting agreed to postpone the winter cruise. Options in re-organising the cruises was discussed and agreed upon.
  - The meeting considered the location of the observation stations, and agreements were reached on the spring cruise stations.
  - The meeting recognised the importance of environmental valuation, and agreed to allocate financial resources to this activity.

- The meeting welcomed the proposal of the Project Manager on organising a regional seminar on the parliamentary roles in protection of marine environment, and agreed that this activity should be organised in 2006. The meeting further stated the importance of the parliamentary roles, and invited the Project Manager to give a presentation to the relevant groups of the National Assembly in ROK and People's Congress in China.
  - The meeting approved the Small Grants Project for enhancing wider participation of all communities in the project.
  - With modifications to the document prepared by the PMO, the meeting adopted the data policy on data sharing and management.
4. The meeting carefully examined the proposed budget and workplan for 2006 and onwards, and approved the proposed budget and workplan. The meeting agreed to submit the budget to the Project Steering Committee for consideration and approval.
  5. The meeting considered the revised Terms of Reference for IMCC, NPC and RWGs and adopted the revised TORs. The meeting agreed to submit the TORs to the Project Steering Committee for consideration and approval.
  6. The meeting decided to have its next meeting in Jeju, ROK, November 2006.



Annex V

Approved Budget for 2006 and Onwards

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total
0.PMO	0.PMO	0A	Salary	1101	Programme Manager	934,271	-88,170	-186,889	181,783	185,021	193,260	200,260	1,035,383
				1102	Environ Officer	603,399	0	-126,448	112,536	115,237	123,336	134,641	612,198
				1103	Fisheries Officer	603,399	0	-100,371	112,307	115,081	123,248	134,783	585,790
				1104	Economist	603,399	0	-44,649	109,830	112,536	120,701	132,936	520,652
				1301	Secretary	158,113	0	-29,220	32,340	33,957	35,656	37,438	168,611
				1302	Driver	123,771	0	-26,554	27,162	28,520	29,946	31,443	143,625
				1303	Adm. Asst.	143,533	0	-31,616	32,340	33,957	35,656	37,438	171,007
				1304	Finance & Adm. Officer	227,922	-4,016	-53,247	54,467	57,191	60,050	63,053	292,024
				1305	IT specialist	143,533	0	-30,450	32,340	33,957	35,656	37,438	169,841
				<b>Sub total</b>		<b>3,541,340</b>	<b>-92,186</b>	<b>-629,443</b>	<b>695,105</b>	<b>715,457</b>	<b>757,509</b>	<b>809,430</b>	<b>3,699,130</b>
		0D	Premises	4101	Office supplies	54,000	-913	-7,820	14,180	9,000	9,000	9,000	49,913
				4102	Library acquisitions	5,000	0	0	3,000	1,000	1,000	0	5,000
				4104	Computer Software	11,000	-640	-7,850	2,500	2,500	500	500	14,489
4201	Computers			50,000	-5,399	-5,342	5,000	5,000	25,000	0	45,740		

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total
				4203	Printers	3,000	0	0	0	1,000	0	0	1,000
				4204	Copy machine (small size)	3,500	0	-550	0	0	0	0	550
				4205	PowerPoint OHP	6,200	-3,459	0	0	0	0	0	3,459
				4206	Automobile	25,000	-22,881	0	0	0	0	0	22,881
				4301	Office rent	0	0	0	0	0	0	0	0
				4302	Furniture	18,000	-6,123	-4,796	4,000	2,000	0	0	16,920
				4303	Premises costs	25,000	0	0	10,000	5,000	5,000	5,000	25,000
				5101	Rental & maint. of computer equip.	15,000	0	0	3,000	3,000	3,000	3,000	12,000
				5102	Rental & maint. of copiers	7,500	0	0	1,500	1,500	1,500	1,500	6,000
				5103	Repair & maint. of vehicles & insurance	40,000	0	-4,992	8,000	8,000	8,000	8,000	36,992
				5104	Rental & maint. of other office equip	12,500	0	0	2,500	2,500	2,500	2,500	10,000
				5105	Rental of meeting rooms & equip.	10,000	0	-2,739	2,000	2,000	2,000	2,000	10,739
				5220	Publication (other than reports)	53,000	0	-4,955	12,045	12,000	12,000	12,000	53,000
				5221	Webpage design and updating	5,000	0	-356	3,144	500	500	500	5,000

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total
				5301	Communication	77,000	-6,139	-3,855	17,500	17,500	17,500	12,500	74,994
				5302	Postage/freight	6,250	0	-1,239	1,261	1,250	1,250	1,250	6,250
				5303	Operation cost	45,000	-67	-7,992	10,008	9,000	9,000	9,000	45,067
				<b>Sub total</b>		<b>471,950</b>	<b>-45,620</b>	<b>-52,487</b>	<b>99,638</b>	<b>82,750</b>	<b>97,750</b>	<b>66,750</b>	<b>444,995</b>
	0.PMO_Cross Component	0B	Travel	1501	Project Staff Travel	397,040	-4,163	-100,735	85,800	77,800	77,800	77,840	424,138
				1601	Annual Tri Part Review (IVB)	40,000	0	0	8,000	8,000	8,000	8,000	32,000
				1602	Interviews/Travel (CTA Prospects) (IVB)	20,000	-10,879	-9,121	0	0	0	0	20,000
		0C	Meeting	3301	Project Steering Committee meetings	90,000	0	-25,020	18,000	18,000	18,000	18,000	97,020
				3302	RSTP meetings	125,000	-9,767	-42,603	25,000	25,000	25,000	25,000	152,371
				3303	Regional scientific conferences	240,000	0	0	120,000	0	120,000	0	240,000
		0D	Premises	4208	Sea-going equipment	360,000	0	-200,000	120,000	20,000	20,000	0	360,000
				4210	Equipment unspecified	84,000	0	-5,445	26,555	20,000	20,000	12,000	84,000
		0E	Contingencies	1223	Other consultant contracts	140,000	0	-2,072	57,928	30,000	25,000	25,000	140,000
				2135	Other institutional contracts	573,000	0	-4,200	133,800	115,000	115,000	115,000	483,000

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total
				3102	Short term fellowship for training	50,000	0	0	10,000	10,000	10,000	10,000	40,000
				3217	Additional training activities	400,000	0	-1,438	80,000	80,000	80,000	80,000	321,438
				3335	Additional meetings required	200,000	0	-5,712	40,000	40,000	40,000	40,000	165,712
				5219	Printing cost for the additional reports	68,000	0	-5,989	14,011	12,000	12,000	24,000	68,000
				5401	Exigency costs	28,000	0	-301	9,699	6,000	6,000	6,000	28,000
				5501	Evaluation (consultants fees/travel/DSA)	96,000	0	0	0	48,000	0	48,000	96,000
				5600	UNOPS Project Supporting Cost (6%)	415,460	-9,757	-65,074	92,612	78,480	85,924	81,901	413,748
					<b>Sub total</b>	<b>3,326,500</b>	<b>-34,566</b>	<b>-467,710</b>	<b>841,405</b>	<b>588,280</b>	<b>662,724</b>	<b>570,741</b>	<b>3,165,427</b>
<b>0.PMO Total</b>						<b>7,339,790</b>	<b>-172,373</b>	<b>-1,149,641</b>	<b>1,636,148</b>	<b>1,386,487</b>	<b>1,517,983</b>	<b>1,446,921</b>	<b>7,309,553</b>
1.Fishery	1.Fishery	1A	Stock assessment	1201	Development of Joint Stock Assessment Guidelines-Consultant	14,000	0	-14,000	0	0	0	0	14,000
				2101	Institution Contracts for Data & Information collection	90,000	0	-89,242	0	0	0	0	89,242
				2102	Institution Contracts to Revise National Stock Assessment Data	5,000	0	0	5,000	0	0	0	5,000



Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total	
				3203	Reg training on disease diagnosis, prevention and control	20,000	0	0	20,000	0	0	0	20,000	
		1D	Fisheries Management - Regional Agreements, National Laws & Management Plan for Fisheries	1204	Feasibility study on the regional agreement, i.e. FAO code of conduct	7,000	0	-7,000	0	0	0	0	7,000	
				1205	Prepare regional Agreement on Legislation-Consultant	21,000	0	0	7,000	7,000	0	0	0	14,000
				1206	SAP-fisheries-Consultant	14,000	0	0	0	7,000	7,000	0	0	14,000
				2106	Institution Contracts to Implement Reg Fisheries and ecosystem Management / Implementation Plans	180,000	0	0	0	0	100,000	80,000	0	180,000
				5203	Publication of regional fisheries agreement	4,000	0	0	4,000	0	0	0	0	4,000
				1E	Meetings	3304	RWG-F Meeting 1	17,500	0	-4,164	0	0	0	0
		3305	RWG-F Meeting 2			17,500	0	-11,504	0	0	0	0	0	11,504
		3306	RWG-F Meeting 3			22,500	0	0	22,500	0	0	0	0	22,500
		3307	RWG-F Meeting 4			17,500	0	0	0	17,500	0	0	0	17,500

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total	
1.Fishery_Cross Component				3308	RWG-F Meeting 5	20,000	0	0	0	0	20,000	0	20,000	
				3309	RWG-F Meeting 6	20,000	0	0	0	0	0	20,000	20,000	
				<b>Sub total</b>		<b>1,151,000</b>	<b>0</b>	<b>-226,910</b>	<b>269,500</b>	<b>185,500</b>	<b>271,000</b>	<b>160,000</b>	<b>1,112,910</b>	
	1A	Stock assessment	2107	Ship rental	610,000	0	-232,453	377,547	0	0	0	0	610,000	
			4207	Equipment for regional survey (f)	60,000	0	0	40,000	0	0	0	0	40,000	
			New Activity	2nd Technical Meeting for the Cooperative Cruise				12,000	0	0	0	0	12,000	
			1F	UNOPS Project Supporting Cost	5601	UNOPS Project Supporting Cost (6%)	109,260	0	-27,562	41,943	11,130	16,260	9,600	106,495
	<b>Sub total</b>		<b>779,260</b>	<b>0</b>	<b>-260,015</b>	<b>471,490</b>	<b>11,130</b>	<b>16,260</b>	<b>9,600</b>	<b>768,495</b>				
	<b>1.Fishery Total</b>						<b>1,930,260</b>	<b>0</b>	<b>-486,925</b>	<b>740,990</b>	<b>196,630</b>	<b>287,260</b>	<b>169,600</b>	<b>1,881,405</b>
	2.Biodiversity	2A	Habitat Conservation (Activity 1 to 3) & Vulnerable Species (Activity 2 to 5)	1208	Review of National Practice of Coastal Habitats and Vulnerable Species-Consultant	14,000	0	-7,000	7,000	0	0	0	0	14,000
2108				Institution Contracts to review existing national practices of coastal habitat use, conservation & restoration	100,000	0	-56,700	40,000	0	0	0	0	96,700	

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total
				2109	Institution Contracts to Implement Regional Strategy for Conservation Areas	225,000	0	0	0	75,000	75,000	75,000	225,000
				5204	Review national practices of coastal habitat use, conservation, and restoration-Printing costs	3,000	0	0	3,000	0	0	0	3,000
				5205	Review of status of vulnerable species and vulnerable trophic linkages-Printing costs	3,000	0	0	0	3,000	0	0	3,000
		2B	Genetic Diversity	1702	Biodiversity Advisor	76,800	0	0	25,500	25,500	25,800	0	76,800
		2C	Meetings	3310	RWG-B Meeting 1	17,500	0	-3,436	0	0	0	0	3,436
				3311	RWG-B Meeting 2	17,500	0	-13,057	0	0	0	0	13,057
				3312	RWG-B Meeting 3	17,500	0	0	17,500	0	0	0	17,500
				3313	RWG-B Meeting 4	17,500	0	0	0	17,500	0	0	17,500
				3314	RWG-B Meeting 5	17,500	0	0	0	0	17,500	0	17,500



Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total
				3315	RWG-B Meeting 6	17,500	0	0	0	0	0	17,500	17,500
					<b>Sub total</b>	<b>526,800</b>	<b>0</b>	<b>-80,192</b>	<b>93,000</b>	<b>121,000</b>	<b>118,300</b>	<b>92,500</b>	<b>504,992</b>
	2.Biodiversity_Cross Component	2D	UNOPS Project Supporting Cost	5602	UNOPS Project Supporting Cost (6%)	31,608	0	-4,812	6,180	7,260	7,098	5,550	30,900
				New Activity	Cross Component Conference (RSTP 3?)				10,000	0	0	0	10,000
						<b>Sub total</b>	<b>31,608</b>	<b>0</b>	<b>-4,812</b>	<b>16,180</b>	<b>7,260</b>	<b>7,098</b>	<b>5,550</b>
<b>2.Biodiversity Total</b>						<b>558,408</b>	<b>0</b>	<b>-85,004</b>	<b>109,180</b>	<b>128,260</b>	<b>125,398</b>	<b>98,050</b>	<b>545,892</b>
3.Ecosystem	3.Ecosystem	3A	Status of Ecosystem	1216	Regional data synthesis - Consultant	14,000	0	-14,000	0	0	0	0	14,000
				1703	Ecosystem Advisor	30,000	0	0	0	10,000	10,000	10,000	30,000
				2118	Institution Contracts - Nat'l data & Info collection	90,000	0	-89,268	0	0	0	0	89,268
				2119	Institution Contracts for Demonstration of new and innovative technologies for monitoring	45,000	0	0	45,000	0	0	0	45,000

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total
				2121	Institution Contracts for cooperative study cruise - ecosystem	270,000	0	-90,000	120,000	0	0	50,000	260,000
				3334	Regional workshop on remote sensing for monitoring ecosystem	20,000	0	0	20,000	0	0	0	20,000
				New Activity	Spring cruise, benthos and sediment core				4,683	0	0	0	4,683
				New Activity	Intercalibration				20,000	0	0	0	20,000
		3B	Carrying Capacity of Ecosystem	1217	Prepare guidelines for ecosystem carrying capacity-Consultant	7,000	0	-7,000	0	0	0	0	7,000
				3208	Reg training on carrying capacity of ecosystem	20,000	0	0	20,000	0	0	0	20,000
				5211	Publish report on carrying capacity-Printing costs	3,000	0	0	3,000	0	0	0	3,000
		3C	Stressors to Ecosystem	1218	ID and rank stresses to ecosystem-Consultant	10,500	0	0	10,500	0	0	0	10,500

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total	
				2120	Institution Contracts to develop long-term sustainable investments & lessen stress to ecosystem	60,000	0	0	0	60,000	0	0	60,000	
				5212	Publish reports-Stresses to ecosystem-Printing costs	3,000	0	0	0	3,000	0	0	3,000	
		3D	Meetings	3322	RWG-E Meeting 1	15,000	0	-10,902	0	0	0	0	0	10,902
				3323	RWG-E Meeting 2	17,500	0	-17,500	0	0	0	0	0	17,500
				3324	RWG-E Meeting 3	17,500	0	0	17,500	0	0	0	0	17,500
				3325	RWG-E Meeting 4	17,500	0	0	0	17,500	0	0	0	17,500
				3326	RWG-E Meeting 5	15,000	0	0	0	0	15,000	0	0	15,000
				3327	RWG-E Meeting 6	17,500	0	0	0	0	0	17,500	0	17,500
				<b>Sub total</b>		<b>672,500</b>	<b>0</b>	<b>-228,670</b>	<b>260,683</b>	<b>90,500</b>	<b>25,000</b>	<b>77,500</b>	<b>682,353</b>	
		3.Ecosystem_Cross Component	3E	UNOPS Project Supporting Cost	5603	UNOPS Project Supporting Cost (6%)	40,350	0	-13,720	15,641	5,430	1,500	4,650	40,941
					<b>Sub total</b>		<b>40,350</b>	<b>0</b>	<b>-13,720</b>	<b>15,641</b>	<b>5,430</b>	<b>1,500</b>	<b>4,650</b>	<b>40,941</b>
		<b>3.Ecosystem Total</b>						<b>712,850</b>	<b>0</b>	<b>-242,390</b>	<b>276,324</b>	<b>95,930</b>	<b>26,500</b>	<b>82,150</b>

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total	
4.Pollution	4.Pollution	4A	Contaminant Inputs (Critical Spots)	1211	Regional data synthesis - consultant	10,500	0	-10,500	0	0	0	0	10,500	
				2111	Institution Contracts - nat'l data & info collection	90,000	0	-89,975	0	0	0	0	89,975	
				5206	Publish report-reg'l data synthesis-Printing costs	3,000	0	0	3,000	0	0	0	3,000	
				New Activity	Visiting Scientist Programme				5,000	0	5,000	0	10,000	
		4B	Contaminant Levels	1212	Reg'l monitoring guidelines; indicators to assess convention implementation-consultant	14,000	0	-14,000	0	0	0	0	0	14,000
				2112	Institution Contracts for cooperative study cruise	240,000	0	-99,150	140,850	0	0	0	240,000	
				2113	Institution Contracts for Intercalibration exercise	22,000	0	-22,000	0	0	0	0	22,000	
				3206	Training on contaminant monitoring	20,000	0	0	20,000	0	0	0	20,000	
				New Activity	Training Course assessing marine environment quality				0	15,000	0	0	15,000	
				New Activity	Level 2 Training Courses (Joint with AMETEC)				10,000	0	0	0	10,000	

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total	
		4C	Analysis of the Fate and Transport of Contaminants to Facilitate SAP Analysis	2115	Institution Contracts for Practice & Intercalibration - fate & transport of contaminants	25,000	0	0	25,000	0	0	0	25,000	
				2116	Institution Contracts for ICM actions for controlling discharge of contaminants and nutrients	40,000	0	0	0	0	40,000	0	0	40,000
				5210	Publish report-Fate and transport of contaminants-Printing costs	3,000	0	0	0	3,000	0	0	0	3,000
		4D	Regional Strategy Pollution Control	1213	Reg'l synthesis contaminant fate and transport-Consultant	14,000	0	0	0	14,000	0	0	14,000	
				1215	Reg'l investment strategy & imp. plan pollution control - Consultant	14,000	0	0	0	14,000	0	0	0	14,000
				2114	Institution Contracts to implement regional pollution control strategies	300,000	0	0	0	60,000	120,000	120,000	0	300,000
				2117	Institution Contracts to implement contaminant remediation/prevention	40,000	0	0	0	0	40,000	0	0	40,000
				5207	Publish regional invest. strategy-Printing costs	3,000	0	0	0	0	0	0	3,000	3,000

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total	
				5209	Publish reg'l strategy activity results- Printing costs	3,000	0	0	0	0	3,000	0	3,000	
		4E	Meetings	3316	RWG-P Meeting 1	15,000	0	-8,017	0	0	0	0	0	8,017
				3317	RWG-P Meeting 2	17,500	0	-9,552	0	0	0	0	0	9,552
				3318	RWG-P Meeting 3	17,500	0	0	17,500	0	0	0	0	17,500
				3319	RWG-P Meeting 4	17,500	0	0	0	17,500	0	0	0	17,500
				3320	RWG-P Meeting 5	17,500	0	0	0	0	17,500	0	0	17,500
				3321	RWG-P Meeting 6	15,000	0	0	0	0	0	0	15,000	15,000
			<b>Sub total</b>				<b>941,500</b>	<b>0</b>	<b>-253,194</b>	<b>221,350</b>	<b>123,500</b>	<b>225,500</b>	<b>138,000</b>	<b>961,544</b>
	4.Pollution_Cross Component	4F	UNOPS Project Supporting Cost	5604	UNOPS Project Supporting Cost (6%)	56,490	0	-15,192	13,281	7,410	13,530	8,280	57,693	
				<b>Sub total</b>				<b>56,490</b>	<b>0</b>	<b>-15,192</b>	<b>13,281</b>	<b>7,410</b>	<b>13,530</b>	<b>8,280</b>
	<b>4.Pollution Total</b>						<b>997,990</b>	<b>0</b>	<b>-268,386</b>	<b>234,631</b>	<b>130,910</b>	<b>239,030</b>	<b>146,280</b>	<b>1,019,237</b>
	5.Investment	5.Investment	5A	Stakeholders & Public Awareness	2123	Institution Contracts for Governance analysis	24,000	0	0	40,000	0	0	0	40,000
					2124	Institution Contracts for The Yellow Sea and Youth	32,000	0	0	8,000	8,000	8,000	8,000	32,000

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total
				2125	Institution Contracts to Organize regular stakeholders conference (1/yr)	16,000	0	0	4,000	4,000	4,000	4,000	16,000
				2130	Institution Contracts to Organize public awareness conferences	14,000	0	0	3,500	3,500	3,500	3,500	14,000
				2131	Institution Contracts to Prepare public awareness materials	22,000	0	0	22,000	0	0	0	22,000
				2132	Institution Contracts to Produce multi-media, e.g., project pins, mouse pads, posters, etc.	15,000	0	-5,000	10,000	0	0	0	15,000
				3101	Intern programme	120,000	0	0	24,000	24,000	24,000	24,000	96,000
				3210	Training for decision makers	20,000	0	0	20,000	0	0	0	20,000
				3211	Training for community trainers	20,000	0	0	0	20,000	0	0	20,000
				3212	Training for local governmental officers	20,000	0	0	20,000	0	0	0	20,000
				3216	Public awareness training	40,000	0	0	20,000	0	0	0	20,000
				5214	Print newsletters	5,000	0	0	2,000	1,000	1,000	1,000	5,000

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total	
				New Activity	Partnership Workshop				10,000	0	0	0	10,000	
				New Activity	EAS Congress Workshop and Joint Session				13,933	0	0	0	0	13,933
				New Activity	Parliamentary Workshop				20,000	0	0	0	0	20,000
		5B	TDA & SAP (Regional Coordination)	1219	Prepare TDA-Consultant	17,500	0	0	30,000	0	0	0	0	30,000
				1220	Prepare regional SAP-Consultant	21,000	0	0	0	21,000	0	0	0	21,000
				1706	TDA NPPP	50,000	0	0	25,000	13,933	0	0	0	38,933
				2126	Institution Contracts to Prepare NYSAP	29,000	0	0	0	14,500	14,500	0	0	29,000
				5215	Print the final TDA	3,000	0	0	3,000	0	0	0	0	3,000
				5216	Print NYSAP	3,000	0	0	0	0	3,000	0	0	3,000
				5217	Print regional SAP	3,000	0	0	0	3,000	0	0	0	3,000
				New Activity	Valuation Studies for Tourism and Mariculture				30,000	30,000	0	0	0	0
5C	National Coordination (Institutions)	1704	NCU Coordinator (K)	300,000	0	-45,000	60,000	60,000	60,000	60,000	60,000	285,000		
		1705	NCU Coordinator (C)	174,200	0	-26,100	34,800	34,800	34,800	34,800	35,000	165,500		



Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total
				2127	Institution Contracts to analyse institutional arrangements	35,000	0	0	0	0	0	0	0
				2133	National co-ordinating mechanism (C)	177,900	0	-26,400	35,580	35,580	35,580	35,580	168,720
				2134	National co-ordinating mechanism (K)	52,100	0	-7,500	10,420	10,420	10,420	10,420	49,180
				3213	Training on Project document preparation	20,000	0	0	0	0	20,000	0	20,000
				3214	Training on Fund raising	20,000	0	0	0	0	0	20,000	20,000
		5D	Data and Information Management	1222	Develop regional data & info systems-Consultant	7,000	0	0	7,000	0	0	0	7,000
				1707	DIM Consultants	160,000	0	0	20,000	20,000	40,000	0	80,000
				3215	Training on DIM	20,000	0	0	20,000	0	0	0	20,000
				4103	GIS Software	8,000	0	0	8,000	0	0	0	8,000
				4202	GIS workstation	3,000	0	0	3,000	0	0	0	3,000
				4209	Equipment for DIM	44,000	0	-18,220	25,780	0	0	0	44,000
				New Activity	Maintenance of Meta and GIS Databases					10,000	10,000	10,000	10,000
		5E	Meetings	3328	RWG-I Meeting 1	15,000	0	-5,634	0	0	0	0	5,634
				3329	RWG-I Meeting 2	12,500	0	-11,826	0	0	0	0	11,826
				3330	RWG-I Meeting 3	17,500	0	0	17,500	0	0	0	17,500

Activity		Sub_Act	Sub_Act Description	IMIS	IMIS Description	Original Budget	Yr 2004	Expenditure Yr 2005	Yr 2006	Yr 2007	Yr 2008	Yr 2009	Revised Budget Total	
				3331	RWG-I Meeting 4	17,500	0	0	0	17,500	0	0	17,500	
				3332	RWG-I Meeting 5	17,500	0	0	0	17,500	0	17,500		
				3333	RWG-I Meeting 6	17,500	0	0	0	0	17,500	17,500		
				<b>Sub total</b>		<b>1,593,200</b>	<b>0</b>	<b>-145,680</b>	<b>557,513</b>	<b>331,233</b>	<b>286,300</b>	<b>229,000</b>	<b>1,549,726</b>	
	5.Investment_Cross Component	5F	Financial Sustainability (Instruments)	2129	Demonstration projects on sustainable investment	1,100,000	0	0	0	0	350,000	750,000	1,100,000	
				New Activity	Small Grants Projects				50,000	50,000	0	0	100,000	
		5G	UNOPS Project Supporting Cost	5605	UNOPS Project Supporting Cost (6%)	161,592	0	-8,740	36,451	22,874	38,178	58,740	164,983	
		<b>Sub total</b>		<b>1,261,592</b>	<b>0</b>	<b>-8,740</b>	<b>86,451</b>	<b>72,874</b>	<b>388,178</b>	<b>808,740</b>	<b>1,364,983</b>			
	<b>5.Investment Total</b>						<b>2,854,792</b>	<b>0</b>	<b>-154,420</b>	<b>643,964</b>	<b>404,107</b>	<b>674,478</b>	<b>1,037,740</b>	<b>2,914,709</b>
	<b>Grand Total</b>						<b>14,394,090</b>	<b>-172,373</b>	<b>-2,386,766</b>	<b>3,641,237</b>	<b>2,342,324</b>	<b>2,870,649</b>	<b>2,980,741</b>	<b>14,394,090</b>

**Annex VI**

**Approved Workplan for 2006 and Onwards**

ID	Task Name	Duration	Start	Finish	2005, Half 1		2005, Half 2		2006, Half 1		2006, Half 2		2007, Half 1		2007, Half 2		2008, Half 1		2008, Half 2		2009, Half 1		2009, Half 2																																				
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
1	<b>OBJECTIVE I : FISHERIES COMPONENT</b>	<b>1167 days?</b>	<b>Mon 05-04-11</b>	<b>Wed 09-09-23</b>	[Gantt bar]																																																						
2	<b>IA: STOCK ASSESSMENT</b>	<b>1167 days?</b>	<b>Mon 05-04-11</b>	<b>Wed 09-09-23</b>	[Gantt bar]																																																						
3	<b>ACT 1: Review of existing data</b>	<b>228 days</b>	<b>Mon 05-04-11</b>	<b>Mon 06-02-20</b>	[Gantt bar]																																																						
4	Regional Working Group (WG) Meeting 1	4 days	Mon 05-04-11	Thu 05-04-14	[Gantt bar]																																																						
5	<u>Contract to relevant national institutions (contract)</u>	101 days	Tue 05-10-04	Mon 06-02-20	[Gantt bar]																																																						
6	<u>Revise national data and info (contract)</u>	101 days	Tue 05-10-04	Mon 06-02-20	[Gantt bar]																																																						
7	<b>ACT 2: Diagnosis of Stock Conditions</b>	<b>8 days</b>	<b>Tue 06-08-01</b>	<b>Thu 06-08-10</b>	[Gantt bar]																																																						
8	Finalisation of data and info at WG Meeting 3	4 days	Tue 06-08-01	Fri 06-08-04	[Gantt bar]																																																						
9	Inputs to final TDA	4 days	Mon 06-08-07	Thu 06-08-10	[Gantt bar]																																																						
10	<b>ACT 3: Develop Common methodology of regional stock assessment</b>	<b>430 days?</b>	<b>Tue 06-01-03</b>	<b>Thu 07-08-23</b>	[Gantt bar]																																																						
11	<u>Gathering existing methods, prepare suggested methods (consultant)</u>	152 days	Tue 06-01-03	Tue 06-08-01	[Gantt bar]																																																						
12	Discuss the methods (WG Meeting 3)	4 days?	Tue 06-08-01	Fri 06-08-04	[Gantt bar]																																																						
13	<u>Revise regional methods (consultant)</u>	95 days	Mon 06-08-07	Fri 06-12-15	[Gantt bar]																																																						
14	Discuss and modify the methods (WG Meeting 4)	4 days	Mon 07-08-20	Thu 07-08-23	[Gantt bar]																																																						
15	Finalise the method (WG Meeting 4)	4 days	Mon 07-08-20	Thu 07-08-23	[Gantt bar]																																																						
16	<b>ACT 4: Perform Demonstration of Joint-Regional Survey</b>	<b>564 days</b>	<b>Wed 05-10-19</b>	<b>Wed 07-12-12</b>	[Gantt bar]																																																						
17	<b>Winter Survey</b>	<b>564 days</b>	<b>Wed 05-10-19</b>	<b>Wed 07-12-12</b>	[Gantt bar]																																																						
18	Prepare guidelines for survey (consultant)	80 days	Thu 07-08-23	Wed 07-12-12	[Gantt bar]																																																						
19	Accept guidelines (Technical Meeting 1 - Qingdao)	2 days	Wed 07-10-17	Thu 07-10-18	[Gantt bar]																																																						
20	Obtain and Assemble Equipment	54 days	Wed 05-10-19	Fri 05-12-30	[Gantt bar]																																																						
21	Ship Rental for first Joint Survey	16 days	Wed 06-01-04	Wed 06-01-25	[Gantt bar]																																																						
22	Analyse survey result (participants of survey)	67 days	Fri 06-01-27	Sun 06-04-30	[Gantt bar]																																																						
23	Publish survey result (printing)(PMO)	65 days	Mon 06-05-01	Fri 06-07-28	[Gantt bar]																																																						
24	<b>Spring Survey</b>	<b>178 days</b>	<b>Thu 06-01-26</b>	<b>Fri 06-09-29</b>	[Gantt bar]																																																						
25	Prepare guidelines for survey (consultant)	1 day	Thu 06-01-26	Thu 06-01-26	[Gantt bar]																																																						
26	Accept guidelines (Technical Meeting 2 - ?)	2 days	Mon 06-03-27	Tue 06-03-28	[Gantt bar]																																																						
27	Obtain and Assemble Equipment	25 days	Wed 06-03-29	Mon 06-05-01	[Gantt bar]																																																						
28	Ship Rental for Second Joint Survey	30 days	Mon 06-05-01	Sat 06-06-10	[Gantt bar]																																																						
29	Analyse survey result (participants)	80 days	Mon 06-06-12	Fri 06-09-29	[Gantt bar]																																																						
30	Publish survey result (printing)	22 days	Mon 06-10-02	Tue 06-10-31	[Gantt bar]																																																						
31	<b>ACT 5: Perform Initial Joint Regional Stock Assessment</b>	<b>773 days</b>	<b>Tue 06-10-10</b>	<b>Wed 09-09-23</b>	[Gantt bar]																																																						
32	Prepare a plan for stock assessment (Consultant)	212 days	Tue 06-10-10	Tue 07-07-31	[Gantt bar]																																																						
33	Technical discussion on the plan (WG Meeting 4)	4 days	Wed 07-08-01	Mon 07-08-06	[Gantt bar]																																																						
34	<u>Implement regional stock assessment</u>	155 days	Tue 07-08-07	Mon 08-03-10	[Gantt bar]																																																						
35	Discuss results of assessment (WG Meeting 5)	4 days	Fri 08-08-01	Wed 08-08-06	[Gantt bar]																																																						
36	<u>Additional assessment if necessary (contracts)</u>	261 days	Thu 08-08-07	Thu 09-08-06	[Gantt bar]																																																						
37	Accept the assessment result (WG Meeting 6)??	4 days	Fri 09-08-07	Wed 09-08-12	[Gantt bar]																																																						
38	Publication of assessment results (printing)	30 days	Thu 09-08-13	Wed 09-09-23	[Gantt bar]																																																						
39	<b>ACT 6: Create mechanism for regional multispecies stock assessment</b>	<b>470 days</b>	<b>Thu 05-11-17</b>	<b>Fri 07-08-31</b>	[Gantt bar]																																																						
40	Identify major barriers in stock assessment (WG Meeting 2)	4 days	Thu 05-11-17	Mon 05-11-21	[Gantt bar]																																																						
41	Identify the species to be assessed (WG Meeting 2)	4 days	Thu 05-11-17	Mon 05-11-21	[Gantt bar]																																																						
42	Prepare draft mechanism for annual assessment (Consultant)	131 days	Mon 06-01-02	Fri 06-06-30	[Gantt bar]																																																						
43	Discuss the draft mechanism (WG Meeting 3)	4 days	Tue 06-08-01	Fri 06-08-04	[Gantt bar]																																																						
44	<u>Revise the draft mechanism (consultant)</u>	280 days	Tue 06-08-08	Fri 07-08-31	[Gantt bar]																																																						
45	Finalisation of the mechanism (WG Meeting 4)	4 days	Wed 07-08-01	Mon 07-08-06	[Gantt bar]																																																						
46	<b>IB: CARRYING CAPACITY</b>	<b>827 days</b>	<b>Thu 05-09-01</b>	<b>Mon 08-10-27</b>	[Gantt bar]																																																						
47	<b>ACT 1: Review of existing state of knowledge</b>	<b>245 days</b>	<b>Thu 05-09-01</b>	<b>Fri 06-08-04</b>	[Gantt bar]																																																						
48	<u>Contract to relevant national institutions for assessing information (contract)</u>	101 days	Mon 05-10-03	Fri 06-02-17	[Gantt bar]																																																						
49	Present at WG Meeting 2	4 days	Thu 05-11-17	Mon 05-11-21	[Gantt bar]																																																						
50	Revise national state of knowledge	184 days	Sat 05-11-19	Tue 06-08-01	[Gantt bar]																																																						
51	Finalisation of report (WG Meeting 3)	4 days	Tue 06-08-01	Fri 06-08-04	[Gantt bar]																																																						
52	Inputs to final TDA	30 days	Thu 05-09-01	Tue 05-10-11	[Gantt bar]																																																						
53	<b>ACT 2: Fill in knowledge gaps for carrying capacity analysis</b>	<b>131 days</b>	<b>Mon 06-01-02</b>	<b>Fri 06-06-30</b>	[Gantt bar]																																																						



ID	Task Name	Duration	Start	Finish	2005				2006				2007				2008				2009			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	<b>OBJECTIVE II: BIODIVERSITY PROTECTION COMPONENT</b>	1155 days?	Tue 05-04-19	Tue 09-09-15	[Gantt bar spanning from 2005 Q1 to 2009 Q4]																			
2	<b>IIA: HABITAT CONSERVATION AND VULNERABLE SPECIES</b>	986 days?	Tue 05-04-19	Wed 09-01-21	[Gantt bar spanning from 2005 Q1 to 2009 Q4]																			
3	<b>ACT 1: Review existing national practices of coastal habitat use, c</b>	394 days?	Tue 05-04-19	Mon 06-10-16	[Gantt bar spanning from 2005 Q1 to 2007 Q4]																			
4	WG Meeting 1 (Qingdao)	4 days	Tue 05-04-19	Fri 05-04-22	[Task bar]																			
5	<u>Contract to relevant national institution(s) (Contract)</u>	155 days	Tue 05-08-30	Fri 06-03-31	[Task bar]																			
6	WG Meeting 2	4 days	Wed 05-11-09	Sat 05-11-12	[Task bar]																			
7	Finalise national outputs and synthesis	23 days	Mon 06-05-01	Wed 06-05-31	[Task bar]																			
8	Consider cross- component meeting with other WGs to discuss tropi	2 days?	Sun 06-10-15	Mon 06-10-16	[Task bar]																			
9	<u>Prepare a regional synthesis (consultant)</u>	113 days	Wed 06-03-01	Fri 06-08-04	[Task bar]																			
10	Present outcomes of national assessment in WG Meeting 3	4 days	Tue 06-08-08	Fri 06-08-11	[Task bar]																			
11	Publish the outcomes (printing)	44 days?	Sat 06-08-12	Tue 06-10-10	[Task bar]																			
12	Inputs to final TDA	4 days	Fri 06-09-01	Wed 06-09-06	[Task bar]																			
13	<b>ACT 2: Develop regionally coordinated strategies of conservation :</b>	397 days?	Mon 06-05-01	Thu 07-11-01	[Gantt bar spanning from 2006 Q1 to 2008 Q4]																			
14	<u>Prepare draft regional strategy (Consultant)</u>	66 days?	Mon 06-05-01	Mon 06-07-31	[Task bar]																			
15	Discuss and modify the draft (WG Meeting 3)	4 days	Tue 06-08-08	Fri 06-08-11	[Task bar]																			
16	Revise the draft accordingly	90 days	Sat 06-08-12	Tue 06-12-12	[Task bar]																			
17	Finalise strategy (WG Meeting 4)	4 days	Mon 07-09-03	Thu 07-09-06	[Task bar]																			
18	Inputs to regional SAP	4 days	Mon 07-10-29	Thu 07-11-01	[Task bar]																			
19	<b>ACT 3: Implement regional strategy for conservation areas and the</b>	30 days	Fri 07-09-07	Thu 07-10-18	[Gantt bar spanning from 2006 Q3 to 2008 Q4]																			
20	<u>Prepare draft implementation plan (consultant)</u>	30 days	Fri 07-09-07	Thu 07-10-18	[Task bar]																			
21	<b>ACT 4: Implement regional strategy for conservation areas</b>	4 days	Fri 08-08-01	Wed 08-08-06	[Gantt bar spanning from 2006 Q4 to 2008 Q4]																			
22	Adopt implementation plan (WG Meeting 5)	4 days	Fri 08-08-01	Wed 08-08-06	[Task bar]																			
23	<b>ACT 5: Implementation of regionally coordinated strategies for protec</b>	120 days	Thu 08-08-07	Wed 09-01-21	[Gantt bar spanning from 2006 Q4 to 2008 Q4]																			
24	<u>Implement the strategy (contract to national focal points)</u>	120 days	Thu 08-08-07	Wed 09-01-21	[Task bar]																			
25	<b>IIB: GENETIC DIVERSITY</b>	538 days	Mon 05-12-19	Fri 08-01-04	[Gantt bar spanning from 2006 Q1 to 2009 Q4]																			
26	<b>ACT 1: Determine situations of genetic degradation of important bi</b>	89 days	Mon 06-05-08	Wed 06-09-06	[Gantt bar spanning from 2006 Q2 to 2008 Q4]																			
27	Meeting to discuss Genetic Diversity at end of RWG3	1 day	Sat 06-08-12	Sat 06-08-12	[Task bar]																			
28	<u>Prepare draft of current status of genetic degradation of important bi</u>	70 days	Mon 06-05-08	Fri 06-08-11	[Task bar]																			
29	Discuss and finalise current status (WG Meeting 3)	4 days	Tue 06-08-08	Fri 06-08-11	[Task bar]																			
30	Inputs to TDA	4 days	Fri 06-09-01	Wed 06-09-06	[Task bar]																			
31	<b>ACT 2: Develop regional consensus on the requirements for conse</b>	443 days	Mon 06-05-01	Fri 08-01-04	[Gantt bar spanning from 2006 Q2 to 2009 Q4]																			
32	<u>Prepare draft list on conservation of genetic diversity (consultants)</u>	23 days	Mon 06-05-01	Wed 06-05-31	[Task bar]																			
33	Training course on genetic techniques [delete this]	44 days	Thu 06-06-01	Tue 06-08-01	[Task bar]																			
34	Agree list on genes (WG Meeting 2 delete) (during addition working	1 day	Wed 06-06-14	Wed 06-06-14	[Task bar]																			
35	<u>Prepare a plan for the conservation (consultant)</u>	140 days	Thu 06-06-15	Fri 06-12-22	[Task bar]																			
36	Finalise the plan (WG Meeting 3)	4 days	Mon 06-12-25	Thu 06-12-28	[Task bar]																			
37	Input to SAP	4 days	Tue 08-01-01	Fri 08-01-04	[Task bar]																			
38	<b>ACT 3: Prepare recommendations for conservation measures</b>	25 days	Mon 05-12-19	Fri 06-01-20	[Gantt bar spanning from 2006 Q1 to 2008 Q4]																			
39	The activities will be incorporated into activity 2	25 days	Mon 05-12-19	Fri 06-01-20	[Task bar]																			
40	<b>IIC: EXOTIC (INTRODUCED) SPECIES</b>	768 days?	Tue 05-04-19	Fri 08-03-21	[Gantt bar spanning from 2005 Q1 to 2009 Q4]																			
41	<b>ACT 1: Document introduced exotic species and their pathways, as</b>	364 days	Tue 05-04-19	Wed 06-09-06	[Gantt bar spanning from 2005 Q1 to 2008 Q4]																			
42	WG Meeting 1	4 days	Tue 05-04-19	Fri 05-04-22	[Task bar]																			
43	<u>Contract to relevant national institution(s) (Contract)</u>	155 days	Tue 05-08-30	Fri 06-03-31	[Task bar]																			
44	Discuss and modify the draft (WG Meeting 2)	4 days	Mon 06-04-03	Thu 06-04-06	[Task bar]																			
45	Revise the draft accordingly	80 days	Fri 06-04-07	Thu 06-07-27	[Task bar]																			
46	Finalise the strategy (WG Meeting 3)	4 days	Tue 06-08-08	Fri 06-08-11	[Task bar]																			
47	Inputs to TDA	4 days	Fri 06-09-01	Wed 06-09-06	[Task bar]																			
48	<b>ACT 2: Develop proposals for regulation and control of exotic spec</b>	378 days?	Fri 06-07-28	Thu 08-01-03	[Gantt bar spanning from 2006 Q3 to 2009 Q4]																			
49	<u>Prepare draft regulation to control exotic species (consultant)</u>	60 days	Fri 06-07-28	Mon 06-10-16	[Task bar]																			
50	Discuss the draft (WG Meeting 3)	4 days	Tue 06-10-17	Fri 06-10-20	[Task bar]																			
51	Training course on the implementation of the regulation	105 days	Mon 06-10-23	Fri 07-03-16	[Task bar]																			
52	Revise the draft accordingly	120 days?	Mon 06-10-23	Fri 07-04-06	[Task bar]																			
53	Finalise strategy (WG Meeting 4)	4 days	Wed 07-08-08	Mon 07-08-13	[Task bar]																			
54	Submit for approval of governments	99 days	Tue 07-08-14	Fri 07-12-28	[Task bar]																			
55	Inputs to regional SAP	4 days	Mon 07-12-31	Thu 08-01-03	[Task bar]																			
56	<b>ACT 3: Implement strategies for regulation and control of introduct</b>	60 days?	Mon 07-12-31	Fri 08-03-21	[Gantt bar spanning from 2006 Q4 to 2009 Q4]																			
57	<u>Upon approval, prepare an implementation plan (consultant)</u>	30 days	Mon 07-12-31	Fri 08-02-08	[Task bar]																			
58	Implement the regulation	30 days?	Mon 08-02-11	Fri 08-03-21	[Task bar]																			
59	Inputs to regional SAP	30 days	Mon 08-02-11	Fri 08-03-21	[Task bar]																			
60	<b>IID: SYNTHESIS OF REVIEWS AND DEVELOPMENT OF COORDINATE</b>	387 days	Mon 08-03-24	Tue 09-09-15	[Gantt bar spanning from 2006 Q4 to 2009 Q4]																			
61	<b>ACT 1: Synthesize reviews from IIA, B and C</b>	34 days	Mon 08-03-24	Thu 08-05-08	[Gantt bar spanning from 2006 Q4 to 2008 Q4]																			
62	<u>Consultant to synthesize output from activity HIGH of IIA, IIB, IIC (c</u>	30 days	Mon 08-03-24	Fri 08-05-02	[Task bar]																			
63	Inputs to final TDA	4 days	Mon 08-05-05	Thu 08-05-08	[Task bar]																			
64	<b>ACT 2: Develop coordinated strategy for biodiversity protection</b>	387 days	Mon 08-03-24	Tue 09-09-15	[Gantt bar spanning from 2006 Q4 to 2009 Q4]																			
65	<u>Synthesize 3 regional strategies and 3 implementation plans to prep</u>	65 days	Mon 08-03-24	Fri 08-06-20	[Task bar]																			
66	Discuss and prioritise actions in regional SAP (WG Meeting 5)	4 days	Fri 08-08-01	Wed 08-08-06	[Task bar]																			
67	Revsie the draft accordingly	30 days	Thu 08-08-07	Wed 08-09-17	[Task bar]																			
68	Finalize strategy (WG Meeting 6?)	4 days	Fri 09-05-01	Wed 09-05-06	[Task bar]																			
69	Inputs to regional SAP	30 days	Thu 09-05-07	Wed 09-06-17	[Task bar]																			
70	Accept the Regional SAP	30 days	Thu 09-06-18	Wed 09-07-29	[Task bar]																			
71	Submit for approval of governments	30 days	Thu 09-07-30	Wed 09-09-09	[Task bar]																			
72					[Task bar]																			
73	<b>TDA COMPLETE</b>	4 days	Fri 08-05-09	Wed 08-05-14	[Task bar]																			
74	<b>SAP COMPLETE</b>	4 days	Thu 09-09-10	Tue 09-09-15	[Task bar]																			



ID	Task Name	Duration	Start	Finish	2005				2006				2007				2008				2009			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	<b>OBJECTIVE III: ECOSYSTEM</b>	1227 days?	Mon 05-01-03	Tue 09-09-15																				
2	<b>IIIA: STATUS OF ECOSYSTEM</b>	650 days?	Mon 05-01-03	Sat 07-06-30																				
3	<b>ACT 1: Prepare state-of-ecosystem reviews and reports (incl. long-term and recent changes)</b>	245 days?	Mon 05-10-03	Fri 06-09-08																				
4	Contract (1) to relevant national institution(s) - collect data & info	130 days	Mon 05-10-03	Fri 06-03-31																				
5	Processing existing raw data	65 days?	Mon 06-01-02	Fri 06-03-31																				
6	Establish a regional editorial group /or use the WG	4 days?	Tue 05-11-29	Fri 05-12-02																				
7	Prepare a draft report (consultant 1)	152 days?	Thu 05-12-01	Fri 06-06-30																				
8	Discuss the draft (WG meeting 2)	4 days?	Tue 05-11-29	Fri 05-12-02																				
9	Revise the draft report (consultant 1)	152 days?	Thu 05-12-01	Fri 06-06-30																				
10	Finalise the draft report (WG meeting 3)	4 days?	Tue 06-09-05	Fri 06-09-08																				
11	<b>ACT 2: Identify data and information gaps and develop strategies for monitoring changing status of ecosystem and its transboundary impacts</b>	393 days?	Thu 05-12-01	Mon 07-06-04																				
12	Prepare synthesis of the national assessment, and identify the info gaps (consultant 1)	152 days?	Thu 05-12-01	Fri 06-06-30																				
13	Prepare draft strategy, including: parameters, analysis, intercalibration, data exchange etc. (consultant 1)	152 days?	Thu 05-12-01	Fri 06-06-30																				
14	Discuss the draft (WG meeting 3)	4 days?	Tue 06-09-05	Fri 06-09-08																				
15	Revise the draft	152 days?	Thu 05-12-01	Fri 06-06-30																				
16	Finalise the strategy (WG meeting 4)	2 days	Fri 07-06-01	Mon 07-06-04																				
17	<b>ACT 3: Demonstration of new and innovative technologies for monitoring</b>	650 days?	Mon 05-01-03	Sat 07-06-30																				
18	Contract (2) to relevant national institution(s)	152 days?	Thu 05-12-01	Fri 06-06-30																				
19	Application of remote sensing	151 days?	Fri 06-12-01	Sat 07-06-30																				
20	Ship-of-opportunities monitoring.	22 days?	Tue 07-05-01	Wed 07-05-30																				
21	Molecular probes	1 day?	Mon 05-01-03	Mon 05-01-03																				
22	<b>IIIB: CARRYING CAPACITY OF ECOSYSTEM</b>	216 days?	Mon 05-10-03	Mon 06-07-31																				
23	<b>ACT 1: Establish the logistical and data requirements of estimating carrying capacity</b>	216 days?	Mon 05-10-03	Mon 06-07-31																				
24	Contract (1) to relevant national institution(s)	130 days?	Mon 05-10-03	Fri 06-03-31																				
25	Discuss and coordinate with fisheries WG (joint workshop)	4 days?	Tue 05-11-29	Fri 05-12-02																				
26	Decide on the assessment methods of carrying capacity	4 days?	Tue 05-11-29	Fri 05-12-02																				
27	Training on carrying capacity	43 days?	Thu 06-06-01	Mon 06-07-31																				
28	<b>ACT 2: Conduct a basin-scale survey on lower-trophic level ecosystem</b>	16 days?	Wed 06-01-04	Wed 06-01-25																				
29	Conduct a basin-scale survey on lower-trophic level ecosystem (contract 4)	13 days?	Wed 06-01-04	Wed 06-01-25																				
30	<b>ACT 3: Assess the carrying capacities of the ecosystem under changing human-induced and natural variability</b>	152 days?	Thu 05-12-01	Fri 06-06-30																				
31	Prepare a regional synthesis (consultant 2)	152 days?	Thu 05-12-01	Fri 06-06-30																				
32	Finalisation national outputs and synthesis	152 days?	Thu 05-12-01	Fri 06-06-30																				
33	<b>IIIC: STRESSORS TO THE ECOSYSTEM</b>	1032 days?	Mon 05-10-03	Tue 09-09-15																				
34	<b>ACT 1: Identify and rank stresses on the ecosystem; identify data and information gaps</b>	325 days?	Mon 05-10-03	Fri 06-12-29																				
35	Contract (1) to relevant national institution(s)	130 days?	Mon 05-10-03	Fri 06-03-31																				
36	Present outcomes of ranking, data and info in WG meeting 2	4 days?	Tue 05-11-29	Fri 05-12-02																				
37	Prepare a regional synthesis (consultant 3)	4 days?	Tue 06-09-05	Fri 06-09-08																				
38	Finalization of national outputs and synthesis (WG Meeting 3)	4 days?	Tue 06-09-05	Fri 06-09-08																				
39	Publish the outcomes (printing)	44 days?	Mon 06-10-02	Thu 06-11-30																				
40	Inputs to final TDA	110 days?	Mon 06-07-31	Fri 06-12-29																				
41	<b>ACT 2: Identify corrective measures to minimize human-induced stress</b>	391 days?	Mon 05-10-03	Mon 07-04-02																				
42	Identify major human induced stresses (contract)	66 days?	Mon 07-01-01	Mon 07-04-02																				
43	Causal chain analysis (contract 1)	130 days?	Mon 05-10-03	Fri 06-03-31																				
44	Identify measures to address the root causes (WG meeting 3)	4 days?	Tue 06-09-05	Fri 06-09-08																				
45	Inputs to final TDA	110 days?	Mon 06-07-31	Fri 06-12-29																				
46	<b>ACT 3: Develop strategy for intercalibration and data exchange</b>	175 days?	Mon 07-01-01	Fri 07-08-31																				
47	Prepare draft strategy, including: parameters, analysis, intercalibration, data exchange etc.	130 days?	Mon 07-01-01	Sat 07-06-30																				
48	Discussion the draft (WG meeting 4)	44 days?	Fri 07-06-01	Wed 07-08-01																				
49	Revise the draft	45 days?	Mon 07-07-02	Fri 07-08-31																				
50	Finalise the strategy (WG meeting4)	44 days?	Fri 07-06-01	Wed 07-08-01																				
51	<b>ACT 4: Develop strategy to identify long-term sustainable investments to improve the YSLME</b>	793 days?	Fri 06-09-01	Tue 09-09-15																				
52	Prepare a format for nat'l strategy-PMO	65 days?	Mon 07-09-03	Fri 07-11-30																				
53	Prepare national strategy (contract 3)	109 days?	Tue 08-01-01	Sat 08-05-31																				
54	Discussing national stratgey (WG Meeting 5)	4 days	Wed 08-10-01	Mon 08-10-06																				
55	Revise national strategy (contract 3)	66 days?	Wed 08-10-01	Wed 08-12-31																				
56	Prepare regional draft strategy (consultant 3)	65 days?	Fri 06-09-01	Thu 06-11-30																				
57	Finalise nat'l strategy (WG mtg 5)	4 days	Wed 08-10-01	Mon 08-10-06																				
58	Discuss reg. strategy (WG mtg 5)	4 days	Wed 08-10-01	Mon 08-10-06																				
59	Finalise reg strategy (WG meeting 6)	4 days	Tue 09-03-31	Sat 09-04-04																				
60	Inputs to nat'l & reg SAP	588 days?	Mon 06-10-02	Wed 08-12-31																				
61	Implement SAP	184 days?	Thu 09-01-01	Tue 09-09-15																				

ID	Task Name	Duration	Start	Finish	2005				2006				2007				2008				2009			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	<b>OBJECTIVE IV: POLLUTION</b>	1227 days?	Mon 05-01-03	Tue 09-09-15																				
2	<b>IVA: CRITICAL SPOTS</b>	456 days?	Fri 05-04-01	Sun 06-12-31																				
3	<b>ACT 1: Determine and rank critical spot sources of water quality degradatic</b>	456 days?	Fri 05-04-01	Sun 06-12-31																				
4	Review previous and ongoing monitoring system and assess methodologies and/or technical guidelines (including target contaminants, QA/QC, intercalibration exercises, data exchange, etc.) (contract 1)	261 days?	Fri 05-04-01	Fri 06-03-31																				
5	Develop technologies for monitoring contaminants and nutrients (contract 1)	261 days?	Fri 05-04-01	Fri 06-03-31																				
6	Present outcomes of ranking, data and info in WG meeting 2	4 days?	Mon 05-11-07	Thu 05-11-10																				
7	Prepare a regional synthesis (consultant 1)	188 days?	Mon 06-01-02	Wed 06-09-20																				
8	Finalise national outputs and synthesis (WG meeting 3)	4 days?	Mon 06-08-28	Thu 06-08-31																				
9	Publish the outcomes (printing)	22 days?	Thu 06-06-01	Fri 06-06-30																				
10	Inputs to final TDA	282 days?	Thu 05-12-01	Sun 06-12-31																				
11	<b>IVB: CONTAMINANT LEVELS</b>	520 days?	Mon 05-01-03	Fri 06-12-29																				
12	<b>ACT 1: Develop baseline data and summarize contaminant and nutrient levels in the YSLME</b>	456 days?	Fri 05-04-01	Fri 06-12-29																				
13	Review existing data & info on contaminant levels (contract 1)	261 days?	Fri 05-04-01	Fri 06-03-31																				
14	Data quality control for baseline data WG meeting 2	4 days?	Mon 05-11-07	Thu 05-11-10																				
15	Present outcomes of ranking, data and info in WG meeting 2	4 days?	Mon 05-11-07	Thu 05-11-10																				
16	Environmental Survey with other working groups (if not, need ship time)	59.5 days?	Wed 06-01-04	Wed 06-05-31																				
17	Prepare a regional synthesis (consultant 1)	188 days?	Mon 06-01-02	Wed 06-09-20																				
18	Finalise national outputs and synthesis (WG meeting 3)	4 days?	Mon 06-08-28	Thu 06-08-31																				
19	Inputs to final TDA	325 days?	Mon 05-10-03	Fri 06-12-29																				
20	<b>ACT 2: Develop regional monitoring network strategy</b>	364 days?	Mon 05-04-11	Thu 06-08-31																				
21	Establish a monitoring network / or use the existing ones (PMO)	103 days?	Mon 05-04-11	Wed 05-08-31																				
22	Draft monitoring guidelines / standards (consultant 2)	175 days?	Mon 05-05-02	Sat 05-12-31																				
23	Agree on the guidelines / standards (WG Meeting 3)	4 days?	Mon 06-08-28	Thu 06-08-31																				
24	Intercalibration exercise of participating labs (Contract 3)	152 days?	Tue 05-11-01	Wed 06-05-31																				
25	Development of indicators to assess the implementation of relevant international conventions (consultant 2)	152 days?	Thu 05-12-01	Sat 06-07-01																				
26	<b>ACT 3: Develop funding mechanism to implement the monitoring strategy</b>	520 days?	Mon 05-01-03	Fri 06-12-29																				
27	Prepare format for data & info collection (PMO), no need to rank the spots	70 days?	Mon 05-01-03	Fri 05-04-08																				
28	Identification of hot spots (contract 1)	261 days?	Fri 05-04-01	Fri 06-03-31																				
29	Contract to relevant national institution(s) to collect hot spots data and information (contract 1)	261 days?	Fri 05-04-01	Fri 06-03-31																				
30	Discussion & further requirements (WG meeting 2)	4 days?	Mon 05-11-07	Thu 05-11-10																				
31	Revise the hot spots data & info (contract 1)	261 days?	Fri 05-04-01	Fri 06-03-31																				
32	Inputs to final TDA	325 days?	Mon 05-10-03	Fri 06-12-29																				
33	<b>IVC: Analysis of the Fate and Transport of Contaminants to Facilitate SAP Anal</b>	631 days?	Fri 05-04-01	Fri 07-08-31																				
34	<b>ACT 1: Review existing understanding of fate and transport of contaminants and nutrients</b>	541 days?	Fri 05-04-01	Fri 07-04-27																				
35	Review existing understanding (contract 1)	261 days?	Fri 05-04-01	Fri 06-03-31																				
36	Present outcomes of reviewing from national outputs in WG meeting 2	4 days?	Mon 05-11-07	Thu 05-11-10																				
37	Prepare a regional synthesis (consultant 3)	85 days?	Mon 07-01-01	Fri 07-04-27																				
38	Finalise national outputs and synthesis (WG meeting 3)	4 days?	Mon 06-08-28	Thu 06-08-31																				
39	Practice & intercalibration of the procedure (contract 4)	153 days?	Wed 06-03-01	Fri 06-09-29																				
40	Publish the outcomes (printing)	22 days?	Mon 06-10-02	Tue 06-10-31																				
41	Inputs to final TDA	325 days?	Mon 05-10-03	Fri 06-12-29																				
42	<b>ACT 2: Perform fate and transport analyses of contaminants and nutrients for management and policy development, including EIA process, ICZM</b>	435 days?	Mon 06-01-02	Fri 07-08-31																				
43	Analysis for fate and transport of contaminants and nutrients (contract 4)	195 days?	Mon 06-01-02	Sat 06-09-30																				
44	Impact prediction of impact of discharged contaminants and nutrients on the environment (contract 7)	66 days?	Fri 07-06-01	Fri 07-08-31																				
45	<b>ACT 3: Pollution prevention and management</b>	63 days?	Wed 07-01-03	Sat 07-03-31																				
46	ICM actions for controlling discharge of contaminants and nutrients (contract 6)	63 days?	Wed 07-01-03	Sat 07-03-31																				
47	<b>IVD. Regional Strategy for Pollution Control</b>	1163 days?	Fri 05-04-01	Tue 09-09-15																				
48	<b>ACT 1: Review and compare national regulations and laws on water quality and pollution control, develop proposals</b>	630 days?	Mon 07-01-01	Fri 09-05-29																				
49	Contract (5) to relevant national institution(s)	630 days?	Mon 07-01-01	Fri 09-05-29																				
50	Regional review (WG meeting 4)	4 days?	Tue 07-05-01	Fri 07-05-04																				
51	Regional analysis and suggestion on harmonisation (consultant 4)	65 days?	Mon 07-01-01	Fri 07-03-30																				
52	Publish review report	109 days?	Tue 07-05-01	Sun 07-09-30																				
53	Inputs to national and regional SAP	480 days?	Thu 07-03-01	Wed 08-12-31																				
54	<b>ACT 2: Develop investment strategies</b>	523 days?	Mon 07-01-01	Wed 08-12-31																				
55	Economic valuation of hot spots, & identify the opportunities (Consultant 4)	65 days?	Mon 07-01-01	Fri 07-03-30																				
56	Identify hot spots in both source, and impact (WG meeting 4)	4 days?	Tue 07-05-01	Fri 07-05-04																				
57	Prepare draft strategy (consultant 4)	65 days?	Mon 07-01-01	Fri 07-03-30																				
58	Discuss the draft (WG meeting 4)	4 days?	Tue 07-05-01	Fri 07-05-04																				
59	Revise the draft (Consultant 4)	79 days?	Tue 07-05-15	Fri 07-08-31																				
60	Finalise the investment strategy (WG meeting 5)	23 days?	Wed 08-10-01	Fri 08-10-31																				
61	Publish the investment strategy	20 days?	Mon 08-11-03	Sun 08-11-30																				
62	Inputs to regional SAP	480 days?	Thu 07-03-01	Wed 08-12-31																				
63	<b>ACT 3: Develop funding mechanism to implement the regional strategy</b>	707 days?	Mon 07-01-01	Tue 09-09-15																				
64	Prepare an implementation plan (consultant 4)	65 days?	Mon 07-01-01	Fri 07-03-30																				
65	Agree on the implementation plan (WG meeting 5)	23 days?	Wed 08-10-01	Fri 08-10-31																				
66	Contracts for implementation (contract 5)	184 days?	Thu 09-01-01	Tue 09-09-15																				
67	<b>ACT 4: Develop regional priorities and strategies to reduce contaminant and nutrient levels</b>	979 days?	Fri 05-04-01	Wed 08-12-31																				
68	Root cause analysis for contaminants (contract 1)	109 days?	Fri 05-04-01	Wed 05-08-31																				
69	Discuss the draft (WG meeting 3)	4 days?	Mon 06-05-01	Thu 06-05-04																				
70	Revise the draft	79 days?	Mon 06-05-15	Thu 06-08-31																				
71	Finalise the strategy (WG meeting 4)	4 days?	Tue 07-05-01	Fri 07-05-04																				
72	Input to SAP	480 days?	Thu 07-03-01	Wed 08-12-31																				



ID	Task Name	Duration	Start	Finish	2005				2006				2007				2008				2009														
					Jan	e	a	Apr	a	Jun	Jul	u	e	Oct	o	e	Jan	e	a	Apr	a	Jun	Jul	u	e	Oct	o	e	Jan	e	a	Apr	a	Jun	Jul
1	<b>OBJECTIVE V: DEVELOPMENT OF REGIONAL INSTITUTIONS AND CAPACITIES</b>	1307 days?	Fri 04-12-31	Fri 10-01-01																															
2	<b>VA. Stakeholders</b>	1305 days?	Mon 05-01-03	Thu 09-12-31																															
3	<b>ACT 1: Identify stakeholders and assess their capacities for contributing to environmental management and decision-making</b>	130 days?	Mon 06-01-02	Fri 06-06-30																															
4	Contract to institutions(experts)(Contract Code: ) Governance Analysis	108 days?	Mon 06-01-02	Wed 06-05-31																															
5	Produce a regional list (PMO)	22 days?	Thu 06-06-01	Fri 06-06-30																															
6	<b>ACT 2: Strengthen stakeholder capacities</b>	1034 days?	Mon 06-01-16	Thu 09-12-31																															
7	Prepare training materials for all stakeholders (contract Code: )	125 days?	Mon 06-07-03	Fri 06-12-22																															
8	Training for decision makers (Training 1)	22 days?	Tue 07-01-02	Wed 07-01-31																															
9	Training for community trainers (Training 2)	22 days?	Thu 07-03-01	Fri 07-03-30																															
10	Training for local governmental officers (Training 3)	20 days?	Thu 07-02-01	Wed 07-02-28																															
11	Intern programme	1034 days?	Mon 06-01-16	Thu 09-12-31																															
12	The Yellow Sea and Youth	80 days?	Mon 06-08-07	Fri 09-08-28																															
13	Site visits by government officials	20 days	Mon 06-08-07	Fri 06-09-01																															
14	<b>ACT 3: Encourage routine and effective involvement of stakeholders in environmental and resource management and decision-making</b>	1305 days?	Mon 05-01-03	Thu 09-12-31																															
15	publish newsletters of the project	1305 days?	Mon 05-01-03	Thu 09-12-31																															
16	printing newsletters	1305 days?	Mon 05-01-03	Thu 09-12-31																															
17	regular stakeholders conference (1/yr)	80 days?	Fri 06-12-01	Thu 09-12-24																															
18	<b>VB. Regional Coordination</b>	1305 days?	Mon 05-01-03	Thu 09-12-31																															
19	<b>ACT 1: Create a functioning regional coordination mechanism to carry out the YSLME Project</b>	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 Awareness 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	<b>ACT 2: Prepare TDA</b>	281 days?	Mon 06-01-02	Mon 07-01-29																															
31	Review preliminary TDA, and suggest improvements (consultant Code: )	20 days?	Mon 06-01-02	Fri 06-01-27																															
32	Gathering data & info from national review report on the project components (PMO)	152 days?	Wed 06-02-01	Thu 06-08-31																															
33	Discuss draft, and decide new format (WG meeting 3)	20 days?	Mon 06-09-04	Fri 06-09-29																															
34	Second draft of TDA (consultant Code: )	195 days?	Wed 06-02-01	Tue 06-10-31																															
35	2nd discussion on the draft (correspondence, and WG meeting 4)	22 days?	Wed 06-11-01	Thu 06-11-30																															
36	Revise the TDA	239 days?	Mon 06-01-02	Thu 06-11-30																															
37	Finalise TDA (RSTP, PSC)	16 days?	Fri 06-12-01	Fri 06-12-22																															
38	Printing the final TDA	20 days?	Tue 07-01-02	Mon 07-01-29																															
39	<b>Act 3: Prepare Regional SAP</b>	673 days?	Mon 06-01-02	Wed 08-07-30																															
40	Valuation studies for Tourism and Mariculture	174 days	Mon 06-01-02	Thu 06-08-31																															
41	Prepare a draft regional SAP (consultant Code: )	109 days?	Mon 07-01-01	Thu 07-05-31																															
42	Discuss the draft at the WG meeting	21 days	Fri 07-06-01	Fri 07-06-29																															
43	Revise the draft SAP & prepare version #2	85 days?	Thu 07-07-05	Wed 07-10-31																															
44	Discuss version #2	22 days	Thu 07-11-01	Fri 07-11-30																															
45	Revise the draft SAP, & prepare version #3	109 days?	Tue 08-01-01	Fri 08-05-30																															
46	Discuss version #3, & finalise the regional SAP (RSTP, PSC )	21 days	Mon 08-06-02	Mon 08-06-30																															
47	Printing regional SAP	22 days?	Tue 08-07-01	Wed 08-07-30																															
48	<b>Act 4: Prepare nat'l SAP</b>	284 days?	Tue 08-01-01	Fri 09-01-30																															
49	Assess all national information & prepare for a framework of NYSAP (contract Code: )	109 days?	Tue 08-01-01	Fri 08-05-30																															
50	National meetings-1 on NYSAP	21 days?	Mon 08-06-02	Mon 08-06-30																															
51	Revise NYSAP	89 days?	Tue 08-07-01	Fri 08-10-31																															
52	Finalise NYSAP	38 days?	Mon 08-11-03	Wed 08-12-24																															
53	Print NYSAP	21 days?	Fri 09-01-02	Fri 09-01-30																															
54	<b>Act 5: Partners of the Yellow Sea</b>	1305 days?	Mon 05-01-03	Thu 09-12-31																															
55	Create partnerships with other organisations and projects	1305 days?	Mon 05-01-03	Thu 09-12-31																															
56	<b>VC: NATIONAL INSTITUTIONS</b>	1305 days?	Mon 05-01-03	Thu 09-12-31																															
57	<b>ACT 1: Review and assess national institutions to support YSLME</b>	127 days?	Fri 05-07-01	Fri 05-12-23																															
58	Contract to institutions (Contract Code: )	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	<b>ACT 2: Facilitate national institutions to be effective stewards of the YSLME</b>	1305 days?	Mon 05-01-03	Thu 09-12-31																															

ID	Task Name	Duration	Start	Finish	2005				2006				2007				2008				2009														
					Jan	e	a	Apr	a	Jun	Jul	u	e	Oct	o	e	Jan	e	a	Apr	a	Jun	Jul	u	e	Oct	o	e	Jan	e	a	Apr	a	Jun	Jul
61	Enhance communications	1305 days?	Mon 05-01-03	Thu 09-12-31	[Gantt bar]																														
62	Provide technical trainings	125 days?	Mon 06-07-03	Fri 09-08-14	[Gantt bar]																														
63	Seminars for research community	1305 days?	Mon 05-01-03	Thu 09-12-31	[Gantt bar]																														
64	Local project office, Provision of necessary equipment	520 days?	Mon 05-01-03	Thu 06-12-28	[Gantt bar]																														
65	Study tours for govt officials 1/yr (local govt)	30 days?	Mon 06-05-22	Fri 06-06-30	[Gantt bar]																														
66	<b>Act 3: Establish National Coordination Unit within existing framework to assure intersectoral coordination in TDA/NYSAP/SAP process</b>	230 days?	Mon 05-02-14	Thu 05-12-29	[Gantt bar]																														
67	Establish IMCC (meeting to decide)	65 days?	Mon 05-10-03	Thu 05-12-29	[Gantt bar]																														
68	Appoint NPC	65 days?	Mon 05-02-14	Fri 05-05-13	[Gantt bar]																														
69	Establish NCU (need equipment, staff)	65 days?	Mon 05-10-03	Thu 05-12-29	[Gantt bar]																														
70	Establish NWGs	65 days?	Mon 05-10-03	Thu 05-12-29	[Gantt bar]																														
71	<b>Act 4: Develop proposals to strengthen national institutions to enhance their ability to contribute to environmental management and decision-making</b>	425 days?	Tue 05-05-10	Fri 06-12-22	[Gantt bar]																														
73	<b>VD: FINANCIAL INSTRUMENTS</b>	1081 days?	Mon 05-11-14	Fri 10-01-01	[Gantt bar]																														
74	<b>ACT 1: Review status and potential for financial sustainability of YSLME regional institutional framework</b>	130 days?	Mon 06-01-02	Fri 06-06-30	[Gantt bar]																														
75	Contract to institution (contract Code: ) Governance Analysis	108 days?	Mon 06-01-02	Wed 06-05-31	[Gantt bar]																														
76	Discuss & finalise the review report (RSTP, PSC)	22 days?	Thu 06-06-01	Fri 06-06-30	[Gantt bar]																														
77	<b>ACT 2: Provide training in environmental project identification and preparation</b>	37 days?	Mon 05-11-14	Mon 06-01-02	[Gantt bar]																														
78	Identify the training needs (WG meeting2)	4 days	Mon 05-11-14	Thu 05-11-17	[Gantt bar]																														
79	Training #1 Project document preparation	1 day?	Mon 06-01-02	Mon 06-01-02	[Gantt bar]																														
80	Training #2 Fund raising	1 day?	Mon 06-01-02	Mon 06-01-02	[Gantt bar]																														
81	<b>ACT 3: Assist and encourage the continuation of project preparation and feasibility studies for long-term environmental investment to implement the SAP and NYSAPs</b>	127 days?	Tue 08-07-01	Wed 08-12-24	[Gantt bar]																														
82	Prepare draft proposal (consultant Code: )	89 days?	Tue 08-07-01	Fri 08-10-31	[Gantt bar]																														
83	PSC to discuss	38 days	Mon 08-11-03	Wed 08-12-24	[Gantt bar]																														
84	<b>ACT 4: Provide matched fund for small grant project</b>	1 day?	Mon 06-01-02	Mon 06-01-02	[Gantt bar]																														
85	Identify the topics of small grant project (PMO)	1 day?	Mon 06-01-02	Mon 06-01-02	[Gantt bar]																														
86	Provide matched funds for the approved projects (contracts Code: )	1 day?	Mon 06-01-02	Mon 06-01-02	[Gantt bar]																														
87	Matched grants	1 day?	Mon 06-01-02	Mon 06-01-02	[Gantt bar]																														
88	<b>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 (Priority Investment Portfolio)</b>	394 days?	Tue 08-07-01	Fri 10-01-01	[Gantt bar]																														
89	Prepare pre-feasibility studies (consultant Code: )	89 days?	Tue 08-07-01	Fri 08-10-31	[Gantt bar]																														
90	Discuss & finalise pre-feasibility study(WG meeting, RSTP)	20 days?	Mon 08-11-03	Fri 08-11-28	[Gantt bar]																														
91	Submit to PSC for approval	18 days?	Mon 08-12-01	Wed 08-12-24	[Gantt bar]																														
92	Demonstration projects (contracts Code: )	262 days	Thu 09-01-01	Fri 10-01-01	[Gantt bar]																														
93	<b>VE: DATA AND INFORMATION MANAGEMENT</b>	1307 days?	Fri 04-12-31	Fri 10-01-01	[Gantt bar]																														
94	<b>ACT 1: Determine regional data and information management capabilities</b>	216 days?	Mon 05-01-03	Mon 05-10-31	[Gantt bar]																														
95	Review regional data & info systems, i.e. regional data centre, NEAR-GOOS, NOWPAP DINRAC. (consultant Code: )	129 days?	Mon 05-01-03	Thu 05-06-30	[Gantt bar]																														
96	Prepare a proposal for DIM (consultant Code: )	87 days?	Fri 05-07-01	Mon 05-10-31	[Gantt bar]																														
97	<b>ACT 2: Develop an effective regional DIM strategy to help achieve the goals of the YSLME</b>	1307 days?	Fri 04-12-31	Fri 10-01-01	[Gantt bar]																														
98	Decide where database should be hosted	130 days?	Fri 04-12-31	Thu 05-06-30	[Gantt bar]																														
99	Discuss and approve DIM proposal, including guidelines (WG meeting 2, RSTP)	25 days	Tue 05-11-15	Sat 05-12-17	[Gantt bar]																														
100	Equipment (GIS software, hardware)	17 days?	Mon 05-12-19	Tue 06-01-10	[Gantt bar]																														
101	Training on DIM	20 days?	Wed 06-02-01	Tue 06-02-28	[Gantt bar]																														
102	Operation of DIM	1003 days?	Wed 06-03-01	Fri 10-01-01	[Gantt bar]																														
103	<b>ACT 3: Implement the regional DIM strategy, including equipment, facilities, and communications</b>	260 days?	Mon 07-01-01	Fri 07-12-28	[Gantt bar]																														
104	To identify sustainable means for the DIM	260 days?	Mon 07-01-01	Fri 07-12-28	[Gantt bar]																														
105	<b>VF: Public Awareness and Participation</b>	1306 days?	Mon 05-01-03	Fri 10-01-01	[Gantt bar]																														
106	<b>ACT 1: Develop a public awareness campaign</b>	251 days?	Mon 05-01-03	Sat 05-12-17	[Gantt bar]																														
107	Preparation of public awareness campaign (PMO)	216 days?	Mon 05-01-03	Mon 05-10-31	[Gantt bar]																														
108	Agree on the campaign (WG meeting 2)	26 days	Mon 05-11-14	Sat 05-12-17	[Gantt bar]																														
109	<b>ACT 2: Demonstrate regional public awareness/participation campaign</b>	1242 days?	Fri 05-04-01	Fri 10-01-01	[Gantt bar]																														
110	Organise public awareness conferences (contracts Code: )	1 day	Mon 06-01-02	Mon 06-01-02	[Gantt bar]																														
111	Prepare public awareness materials (Contracts Code: )	174 days?	Wed 05-11-02	Fri 06-06-30	[Gantt bar]																														
112	Produce multi-media, e.g. project pins, mouse pads, posters, etc.	174 days	Wed 05-11-02	Fri 06-06-30	[Gantt bar]																														
113	Public awareness training-twice	30 days	Tue 06-08-08	Fri 07-08-31	[Gantt bar]																														
114	Provide multi-language information through public media	1242 days?	Fri 05-04-01	Fri 10-01-01	[Gantt bar]																														
115	<b>ACT 3: Encourage ongoing public awareness and participation activities to help achieve the goals of the YSLME</b>	1305 days?	Mon 05-01-03	Thu 09-12-31	[Gantt bar]																														
116		1305 days?	Mon 05-01-03	Thu 09-12-31	[Gantt bar]																														

## Annex VII

### Terms of Reference for the Regional Working Groups (RWGs)

**Background:** In order to achieve the project overall goals and objective, five Regional Working Groups (RWGs) shall be established in accordance with the approved Project Document of the UNDP/GEF Project entitled, “*Reducing Environmental Stress in the Yellow Sea Large Marine Ecosystem (YSLME)*.” These five RWGs are responsible for five project components: fisheries, biodiversity, ecosystem, pollution and environment investment. The RWGs shall be established with overall responsibility for ensuring effective implementation and management of project activities.

**Membership:** Each RWG shall consist of one Chairperson in accordance with the agreement in the approved Project Document, and three experts from each participating country. Each of the 5 RWGs will include:

- 4 social and natural scientists - 2 from each country;
- 2 experts from the legal, regulatory, investment, and/or environmental management fields – 1 from each country; and
- One additional expert will be elected and serve as the Chairperson.

The Chairpersons of the RWGs will represent the respective Regional Working Groups on the Regional Scientific and Technical Panel (RSTP), and will attend the meetings of the Panel.

#### Secretariat

The Project Management Office (PMO) shall act as Secretariat to the Regional Working Groups, and shall prepare the meeting reports of the RWG meetings. The meeting reports shall be circulated to all members of the RWGs and RSTP and project partners.

#### Meetings

In consultation with the Chairpersons of the RWGs, the PMO shall convene meetings of the RWGs according to the agreed schedules.

#### Tasks:

The RWGs shall:

- Provide technical direction and guidance to the National Working Groups for the project components in implementing the project activities at national levels;
- Prepare annual work plans and implement agreed activities in respective responsible components, and ensure regional co-ordination in implementing the project activities;
- Develop relevant regional technical recommendations, guidance and strategy within area of competency, supporting the implementation of project activities;
- Participate in and contribute scientific knowledge in the area of expertise to the preparation of the regional Transboundary Diagnostic Analysis (TDA);

- Assist in preparation of the regional Strategic Action Programme (SAP) and National Yellow Sea Action Plans (NYSAP), and implementation of the identified demonstration and/or pilot activities;
- Identify regional needs on capacity building and trainings to assist with implementation of the project;
- Review and evaluate the progress achieved in the respective project components, and provide recommendations for improvement when necessary; and
- Report, through the Chairpersons of the RWGs, to the Regional Scientific and Technical Panel.

## **MAJOR RESPONSIBILITIES OF REGIONAL THEMATIC WORKING GROUPS**

### **1. Regional Working Group for Fisheries (RWG-F)**

Location of WG Chair: People's Republic of China

Tasks:

- Provide guidance to develop common methodology for regional stock assessment strategy and region-wide monitoring; perform initial joint stock assessment; elaborate an effective mechanism for regional stock assessment.
- Provide guidance to perform re-iterative series of regional analyses of carrying capacity, and provide recommendations for regional carrying capacity determination.
- Develop joint applied research programmes for sustainable mariculture. Pilot demonstration project(s) in mariculture to assist the participating countries in implementing sustainable mariculture techniques that are suitable for the Yellow Sea region.
- Coordinate joint efforts in developing and demonstrating technical methods for diagnosis, prevention, and control of disease in mariculture. Develop a regional communication network about diseases to reduce transboundary implications.
- Facilitate preparation and endorsement of regional agreement for sustainable use of fisheries resources.

### **2. Regional Working Group for Biodiversity (RWG-B)**

Location of WG Chair: Republic of Korea

Tasks:

- Facilitate conservation of marine and coastal habitats of global and regional significance. Establish regional network of protected areas as a part of global scenario.
- Facilitate implementation of regionally co-ordinated activities for protection of vulnerable species. Develop approaches for conservation of global and regional significant species.
- Facilitate implementation of identified actions to mitigate threats from possible introduction of exotic species to the Yellow Sea.

- Co-ordinate efforts in preparing relevant sections of the Transboundary Diagnostic Analysis (TDA) and Strategic Action Programme (SAP).

### **3. Regional Working Group for Pollution (RWG-P)**

Location of WG Chair: People's Republic of China

Tasks:

- Co-ordinate the regional monitoring system for better understanding of the status and trends of marine pollution in the Yellow Sea, and facilitate the establishment of regional data quality assurance and quality control (QA/QC) system.
- Identify marine pollution hot spots in the Yellow Sea, and provide technical guidance in preparing regional procedures for remediation and prevention of pollutants in marine and coastal environments of the Yellow Sea.
- Co-ordinate efforts in preparing relevant sections of the Transboundary Diagnostic Analysis (TDA) and Strategic Action Programme (SAP).
- Prepare workplan of the Pollution Component with detailed costed actions for consideration and approval by the Project Steering Committee (PSC).

### **4. Ecosystem Working Group**

Location of WG Chair: Republic of Korea

Tasks:

- Assess the status and trend of the Yellow Sea ecosystem. Identify data and information gaps and develop strategies for better assessment.
- Establish regional scientific and technical framework for monitoring the changing status of the Yellow Sea ecosystem.
- Assess the carrying capacities of the Yellow Sea ecosystem under changing human-induced and natural variabilities.
- Identify stressors to the Yellow Sea ecosystem, and recommend corrective measures to minimize the human-induced stresses to the ecosystem. Facilitate development and implementation of regional policies and legal measures.

### **5. Investment Working Group**

Location of WG Chair: People's Republic of China

Tasks:

- Facilitate effective involvement of stakeholders in project activities.
- Enhance regional and national co-operation and co-ordination mechanisms in protection of marine and coastal environment and sustainable use of marine resources in the Yellow Sea.
- Identify needs for, and assist in governance analysis and socio-economic analysis of Yellow Sea ecosystem.

- Assist in, and facilitate establishment of data information management for the project, and provide guidance in potential linkages with other regional data and information management systems.
- Promote public awareness and participation.
- Facilitate the strengthening of national institution's capacities for environmental management and decision making.
- Provide guidelines in preparing long-term financial sustainability mechanisms for SAP / NYSAP implementation.

## Annex VIII

### Revised Terms of Reference for the National Project Co-ordinators (NPCs)

**Background:** The National Project Co-ordinator will serve as secretary to the Inter-ministerial Co-ordinating Committee (IMCC), and report to the National Focal Point (NFP). The NPC will serve as the primary national contact with the Regional & National Working Groups and the Project Management Office (PMO), and will be the lead national for operational purposes. The NPC will assure full participation of needed resources in each country, and control the timeliness and quality of the products provided during the project. Therefore, this individual must have the broad recognition as a high level expert in the Yellow Sea, and cognizance of the various Ministries. This is a full-time position.

#### Tasks:

(1) In the IMCC:

- As the secretary to the IMCC, works with national central and local government agencies to bring necessary human and other resources to the Project;
- Assists the NFP by coordinating the IMCC meetings, and keeping detailed reports of their outcomes; and
- Supervises the activities of the national co-ordinating office.

(2) At the national level:

- Ensures national contracts and other project-funded activities implemented by national partners are undertaken in a timely fashion and good quality, and in accordance with the national quarterly work plans;
- Monitors the progress of national working groups and helps assure timely completion of activities;
- Serves as lead national individual for co-ordinating national inputs into the Transboundary Diagnostic Analysis (TDA), Strategic Action Programme (SAP) and the National Yellow Sea Action Plans (NYSAP);
- Assists in identifying relevant national partners for the required technical work;
- Promotes wide stakeholder participation in the project (government, Private Sectors, NGOs, CSOs);
- Generally ensures full coordination of national inputs; and
- Liaises continuously with, and supports the CTA (Project Manager) on matters regarding the conduct of the project, including early warning of potential deviations from quarterly workplans and implementation difficulties.

(3) In the Regional Scientific and Technical Panel (RSTP):

As a member of RSTP, prepares, reports, reviews/discusses quarterly national workplans and budgets, in line with the regional project workplan.



## Annex IX

### Revised Terms of Reference for the Inter-ministerial Co-ordinating Committee (IMCC)

**Background:** In order to achieve the project overall goals and objective, each participating country shall, in accordance with the approved Project Document of the UNDP/GEF Project entitled, "*Reducing Environmental Stress in the Yellow Sea Large Marine Ecosystem (YSLME)*," establish an Inter-ministerial Co-ordinating Committee (IMCC) with overall responsibility to co-ordinate relevant project activities of national ministries and institutions; to ensure timely provision of national inputs to the regional working groups for the respective project components; and to ensure national level agreement with the interventions and actions under the Strategic Action Programme (SAP). After discussion within the Project, it was agreed the name of "Inter-ministerial Co-ordinating Function" should be changed to "Inter-ministerial Co-ordinating Committee (IMCC)."

**Membership:** The IMCC shall consist of high level representatives from all the relevant ministries within the countries who have responsibilities in protecting the marine environment and sustainable use of marine and coastal resources in the Yellow Sea, as necessary. . The IMCC shall elect a Chairperson and Vice-Chairperson for the Committee.

The Chairperson of the IMCC will be the member of the Project Steering Committee (PSC) representing the Government of the participating country, and will attend the annual meetings of the PSC.

#### Secretariat

The National Project Co-ordinator (NPC) shall act as Secretary to the IMCC, and shall prepare meeting reports for every IMCC meeting. The reports should be circulated to all members of the IMCC, and copied to the Project Management Office (PMO).

#### Meetings

The Chairperson shall convene regular meetings of the IMCC. A special meeting shall be convened before the annual meeting of the Project Steering Committee.

#### Tasks:

The IMCC shall:

- Provide direction and guidance to the National Working Groups for the project components in implementing the project activities at national levels, as approved by the Project Steering Committee, and in accordance with the requirements and format agreed by the Regional Scientific and Technical Panel and the Regional Working Groups;
- Ensure necessary co-operation and co-ordination of implementation of project activities at the national level amongst and between the participating institutions;
- Co-ordinate and prepare, on behalf of the Government, national positions on policy issues to be considered by the Project Steering Committee;

- Co-ordinate and facilitate national contributions to, and approval of the Transboundary Diagnostic Analysis (TDA) and SAP and preparation of National Yellow Sea Action Plans (NYSAP);
- Review and evaluate the progress of implementing project activities at national level, and provide guidance for improvement when necessary; and
- Through the NPC, report the progress of project implementation at the national level, to the RSTP Meetings.