



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

UNDP/GEF/YS/RWG-I.3/3
Date: 12 September 2006
English only

**Third Meeting of the Regional Working Group
for the Investment Component**
Dalian, China, 9-12 September 2006

Meeting Report

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1 OPENING OF THE MEETING

1.1 Welcome addresses

- 1.1.1 On behalf of the UNDP/GEF Yellow Sea project, Mr. Yihang Jiang, Project Manager, opened the meeting and welcomed the members of the Regional Working Group-Investment (RWG-I) to Dalian, China. Mr. Jiang stated that there was a lot of progress made during Project implementation since the last meeting. He highlighted some major activities and their outputs, including the organisation of the Parliamentary Conference and the establishment of the Yellow Sea Partnership. Mr. Jiang also mentioned the development of the regional GIS and meta databases and the implementation of the governance analysis, as well as the environmental valuation studies.
- 1.1.2 Mr. Jiang pointed out that after nearly two years of implementation, the Yellow Sea Project will finish the preparation of the Transboundary Diagnostic Analysis (TDA), as one major output of the project. He called the participants' attention to the activities in the next two years, which will focus on development of the Strategic Action Programme (SAP), the Project's other major output.
- 1.1.3 Mr. Mingyuan Zhu, Chairperson of the RWG-I, welcomed all participants to the third meeting of RWG-I. Mr. Zhu invited the representatives from China and Korea to give statements to the Meeting.
- 1.1.4 Mr. Fengkui Liang welcomed all the participants to Dalian, China. He mentioned that this meeting was very important to provide guidance on the Project activities for the next two years. He hoped the meeting will produce fruitful outputs through active discussions.
- 1.1.5 On behalf of the Korean members, Mr. Dong-Oh Cho greeted the participants in the meeting. Mr. Cho emphasised the importance of the Yellow Sea Project. He mentioned the Project almost completed some major tasks, including the TDA. Mr. Cho stated that it was the time for the meeting to consider specific actions in the future along the TDA. Those actions, he stated, include inviting wider participation of all stakeholders.

1.2 Introduction of members

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

2 ORGANISATION OF THE MEETING

2.1 Documentation Available to the Meeting

- 2.1.1 The Chairperson invited the Secretariat to introduce this agenda item. Mr. Isao Endo introduced the meeting's working and information documents prepared by the Project Management Office (PMO) with emphasis on the activity progress reports, the activities to be implemented, and the TDA and governance analysis documents. The list of documents is attached as [Annex II](#).

2.2 Organisation of Work

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

2.2.2 The meeting was conducted in English.

3 ADOPTION OF THE MEETING AGENDA

3.1 The Chairperson introduced the Provisional Agenda and Provisional Annotated Agenda prepared by the PMO.

3.2 The Meeting adopted the agenda with no change, which is attached as [Annex III](#) to this report.

4 EXPECTED OUTPUTS FROM THE 3RD RWG-I MEETING

4.1 The Chairperson invited the PMO to present the expected outputs of the meeting. Mr. Endo presented a list of the outputs expected to be achieved by this meeting, provided some details for each agenda item's objectives, and drew attention of the participants to the main focal outputs that will be used in preparation of the TDA and activities for the SAP.

4.2 The Meeting noted the expected outputs presented by the secretariat.

5 REVIEW OF COMPLETED AND ON-GOING INVESTMENT COMPONENT ACTIVITIES

5.1 Stakeholder Involvement, Public Awareness and Participation

5.1.1 Mr. Endo explained the status and progress of the Project activities to raise awareness among various stakeholders about the environmental problems in the Yellow Sea (Document UNDP/GEF/YS/RWG-I.3/5). Those activities consisted of:

- (1) Organisation of the Parliamentary Conference,
- (2) Establishment of the Yellow Sea Partnership,
- (3) Operation of the Small Grants Programme,
- (4) Organisation and implementation of the Youth Programme,
- (5) Organisation of the Local Government Training, and
- (6) Implementation of the Internship Programme.

5.1.2 The Chairperson invited the members to examine reported activities and suggest recommendations to improve them.

(1) *Organisation of the Parliamentary Conference*

5.1.3 Mr. Jiang informed the Meeting that during the Parliamentary Conference the participants felt that regular meetings of the parliamentary members will serve as a useful mechanism to enhance co-operation and co-ordination of the parliamentary organisations in the participating countries. He informed the Meeting that the next Conference would be organised in Korea, and a detailed programme of the Conference will be prepared after consultation with relevant organisations.

- 5.1.4 Mr. Suh-Yong Chung stated that Parliamentary Conference will assist in securing strong political support to the successful implementation of the Project. To obtain such commitment, the Parliamentary Conference would be a good mechanism; he suggested that the Project should keep the momentum going to organise the Conference regularly. Considering the presidential election of Korea at the end of 2007, Mr. Chung further suggested that it would be better to prepare and organise the next Conference at the beginning of 2007.
- 5.1.5 Mr. Cho supported an idea to have the Conference regularly, and he suggested to co-operate with the Incheon City Government if the next Conference will be held at Inha University. Mr. Cho believed that local government is one of the most important stakeholders which would greatly contribute to the Project's implementation. Mr. Cho suggested that the Project should take advantage of this opportunity to initiate and strengthen the co-operation with local government.
- 5.1.6 Mr. Liang agreed that the Conference is a good mechanism to secure the dialogues between the parliamentary organisations in Korea and China. He mentioned that it is important to note that the Conference would be beneficial not only for current Project implementation, but also for future activities in protecting marine environment and using marine and coastal resources in a sustainable manner. Therefore, Mr. Liang suggested the RWG-I to recommend to the Project Steering Committee (PSC) to organise the second Conference and allocate necessary resources for this purpose.
- 5.1.7 The Meeting agreed to submit the recommendation to the PSC** to organise the second Conference and allocate necessary resources for this event, and consider to have regular conference as a mechanism for co-operation between the parliamentary organisations.
- (2) *Establishment of the Yellow Sea Partnership*
- 5.1.8 Mr. Jiang informed the meeting that the Yellow Sea Partnership (YSP) is aiming at facilitating collective efforts among the partners for protection of marine environment and for sustainable use of marine and coastal resources. He expressed the willingness that the partnership would be self-sustained.
- 5.1.9 In responding to a question about the costs for other YSP member organisations to participate in the YSP meetings, Mr. Jiang informed the Meeting that every partner organisation covered its costs to attend the YSP meeting. Additionally, Mr. Jiang emphasised the cost-sharing and cost-effectiveness of the partnership have provided benefits to the Project. For example, the Yellow Sea Project could utilise the data and results with no additional cost that the Yellow Sea Eco-Region Planning Programme (YSEPP) produced.
- 5.1.10 The Meeting acknowledged the benefits and importance of the YSP and agreed to support its activities.**
- (3) *Operation of the Small Grants Programme*
- 5.1.11 Mr. Liang stated that the Small Grants Programme is a good initiative to enhance the participation from a wide range of stakeholders, particularly those with less access to funding. Most NGOs and local government agencies face difficulties to secure funds to implement activities, although these organisations have excellent ideas and technical capabilities for protecting marine environment. Therefore, Mr. Liang strongly suggested continuing this Programme.

5.1.12 To answer a question raised by Mr. Sukjae Kwon about the future budget for the Programme, Mr. Jiang mentioned that the PSC approved the budget for 2006 to 2007. If the Project wishes to continue this Programme, PSC needs to consider this Programme within the overall implementation and budget of the Project activities.

5.1.13 The Meeting reaffirmed the importance of the Small Grants Programme and agreed to continue the Programme if approved by the PSC.

(4) Organisation and implementation of the Youth Programme

5.1.14 Ms. Ming Yu mentioned that a summer camp during vacation period might be a preferred format for the Youth Programme. She felt that it might be difficult for middle school and high school students in the region to attend the Programme during semesters due to their busy school work.

5.1.15 Mr. Cho suggested to target university students in addition to middle school and high school students. He mentioned that universities have good programmes to promote environmental protection and international co-operation. Mr. Cho thinks that the experiences of those universities will improve the contents of the Youth Programme.

5.1.16 Mr. Chung mentioned that there are a variety of activities with various topics and formats for the Youth Programme, including organising a UN Model-type workshop and an essay competition with "the Yellow Sea" as a theme. Mr. Chung then offered to provide specific ideas of possible contents for the Programme in consultation with the participants attending this Meeting from universities.

5.1.17 The Chairperson suggested to have a sessional meeting with Mr. Chung and Ms. Yu in order to prepare a guideline for the activities under the Youth Programme. The Meeting agreed on the Chairperson's suggestion and to review the guideline produced by the sessional meeting.

5.1.18 The sessional working group on the Youth Programme presented the following guidelines for future activities:

- The Youth Programme should target a wider range of audiences from elementary school students to university students;
- For elementary school students, it is suggested to organise summer camps with site visits and hands-on activities to understand the environmental problems in the Yellow Sea;
- For middle school and high school students, organising a speech contest will help them build their capacity to collect information, understand problems, and communicate about the environmental issues in the Yellow Sea; and
- For university students, it is suggested to provide them with voluntary work experience of assisting the implementation of the Project activities.

5.1.19 The Meeting thanked the efforts of the sessional working group to prepare the guidelines, and agreed to request the PMO to follow them for better planning and implementation of relevant activities.

(5) Organisation of the Local Government Training

- 5.1.20 Mr. Chung suggested that international marine law would be a good topic for the future training to provide the information about the theory and practical examples.
- 5.1.21 Ms. Jingmei Li suggested that environmental valuation would be a possible topic for the next Local Government Training. She thinks that local government officials should incorporate the environmental economic aspects of coastal development into their planning.
- 5.1.22 Mr. Liang suggested conducting a survey during the forthcoming local government official training on required topics for future training.
- 5.1.23 Mr. Cho suggested that it would be more appropriate if the title of this programme could be changed to better reflect the activities, such as “Local Government Programme” and “Local Government Involvement.”
- 5.1.24 The Meeting agreed that the PMO will decide on a new title for the activity in consultation with relevant experts. The Meeting also agreed to identify a specific theme for the next workshop after the questionnaire survey is conducted in the forthcoming workshop.**

(6) *Implementation of the Internship Programme*

- 5.1.25 Having finished her first month as an intern at the PMO, Ms. Yan Wei informed the meeting that she has gained a lot of knowledge of managing an international project under the United Nations programmes already.
- 5.1.26 From his internship experience with the Partnership in Environmental Management for the Seas of East Asia (PEMSEA), Mr. Yafeng Yang mentioned that the internship programme would be beneficial for not only interns themselves, but also project implementation.
- 5.1.27 Acknowledging the benefits from the internship programme, Mr. Kwon thought that it is necessary to review the benefits and cost of the programme.
- 5.1.28 The Meeting agreed that a review report of the intern programme should be prepared by PMO and submit to PSC for consideration.**

5.2 NGO and private sector's membership in PSC

- 5.2.1 Based on the survey results on similar GEF-funded projects, Mr. Endo introduced a draft guideline for granting the membership of Project Steering Committee (PSC) to NGOs and private entities (Document UNDP/GEF/YS/RWG-I.3/6).
- 5.2.2 Mr. Chung stated that the NGOs are evolving and the importance of NGOs as stakeholders is increasing. However, he thought that it might be too early to grant the full membership to NGOs and private sectors, although he agreed on the idea to invite those important stakeholders to the PSC as observers.
- 5.2.3 Mr. Liang agreed with Mr. Chung that the Project should be careful about granting full membership to NGOs and private entities.
- 5.2.4 Mr. Jiang mentioned that the GEF requires all stakeholders, including NGOs and private sectors, to be involved in the Project implementation, in particular the preparation of the SAP.

5.2.5 The Meeting agreed to present the draft guideline together with the views expressed by the members of this group to PSC for further consideration.

5.3 Data and Information Management

5.3.1 After a brief introduction of background information regarding this agenda item by the secretariat, Mr. Hoi-Soo Jung presented the report for the development of regional GIS and Meta databases (Document UNDP/GEF/YS/RWG-I.3/7). He explained the base GIS map preparation as well as the database design. Mr. Jung mentioned that a prototype application of the GIS system has been designed and built, and that the system has been installed and running steadily and safely. Mr. Jung emphasised that the databases focus on the needs of end users. With further testing and refinement, the system can be more reliable and efficient.

5.3.2 Mr. Jiang expressed his sincere gratitude for the provision of ArcGIS software by the First Institute of Oceanography (FIO). Then, he thanked the China-Korea Joint Ocean Research Center (CKJORC) for their hard work to develop the databases. He mentioned that with the databases established in the CKJORC, the focus will shift to the operation of the databases. He emphasised that there are a lot of data centres and databases existing in the region. It is important that the co-operation and co-ordination with other data centres and systems could be secured. Such co-operation will enhance the usefulness and sustainability of the Project's GIS and meta databases.

5.3.3 Mr. Cho congratulated the CKJORC to complete this essential work for the project. He informed the Meeting that the Korea Maritime Institute (KMI) has been a producing socioeconomic database, which will be available for use in the Project.

5.3.4 The meeting agreed that CKJORC should prepare a proposal for the future to be submitted to the RSTP for consideration.

5.3.5 The meeting agreed to invite the National Project Co-ordinator for Korea to consider the locations of the mirror site in consultation with relevant organisations.

6 PREPARATION OF THE TDA

6.1 Governance Analysis

6.1.1 Ms. Ming Yu presented the draft report of Governance Analysis for China (Document UNDP/GEF/YS/RWG-I.3/8). She highlighted process and major findings of the analysis, including the underlying root causes of the Yellow Sea's ecosystem problems, and suggested options for future interventions to address the problems.

6.1.2 The Chairperson invited the members to suggest how the findings and recommendations of the Governance Analysis report could be included in the TDA, and to consider how the management implications of the Governance Analysis could contribute to the SAP.

6.1.3 Mr. John Michael Bowers congratulated Ms. Yu on the excellent job the team has done. He mentioned that the report provides a good picture of the national laws in China as well as the international conventions. To improve the report, Mr. Bowers suggested making the connection clear between identified problems and possible causes, on which the TDA will conduct relevant analysis.

- 6.1.4 Mr. Jiang stated that the report addressed a number of important issues successfully, including the identification of the areas to be enhanced, such as the institutional coordination and the harmonisation and enforcement of legislation. He felt those information would be very useful for consideration of necessary solutions during the preparation of SAP.
- 6.1.5 The members of the group provided some detailed comments for improving the Governance Analysis report:
- Mr. Chung mentioned that it would be better to discuss international institutions in the institutional analysis; and
 - Ms. Wei stated that the chapter five of the report needs to be revised to better reflect the information provided in the document and the results of analysis.
- 6.1.6 Mr. Dong-Oh Cho presented the draft report of Governance Analysis for Korea (Document UNDP/GEF/YS/RWG-I.3/8). He explained the findings from stakeholder analysis, institutional analysis, legal and policy analysis. Based on these analytical works, Mr. Cho provided recommendations on the necessary actions to improve the situations stated in the document.
- 6.1.7 Mr. Chung suggested the relevant analysis on the roles of governmental organisations such as Ministry of Foreign Affairs and Trade (MOFAT) should be added.
- 6.1.8 Mr. Chung also suggested making the two government analysis reports comparable. To discuss this matter, the meeting agreed to set up a sessional working group with participation of Mr. Cho and Ms. Yu to discuss and provide to the plenary session suggestions on the improvements of the reports.
- 6.1.9 The sessional working group reported its discussion and recommendation on the regional governance analysis, and provided preliminary ideas on its objectives, issues and possible contents. Pointing out its significance to the SAP development, Mr. Cho suggested conducting the regional governance analysis as a new activity under the RWG-I.
- 6.1.10 Mr. Chung mentioned that the outputs of the regional governance analysis might be different from those of the national governance analyses because there would be different focus and approaches. With invitation from the members of the group, Mr. Chung volunteered to prepare an outline of the possible regional governance analysis. PMO will circulate the outlines to the members of the RWG-I for further consideration during next RSTP meeting.
- 6.1.11 **The meeting thanked Mr. Chung's offer and agreed that the necessary actions should be taken accordingly.**
- 6.1.12 **The meeting discussed the publication of the Governance Analysis reports, and agreed that the reports should be published after improvements of the documents based on the comments and suggestion made by the Meeting.**
- 6.2 **Draft TDA**
- 6.2.1 Mr. Bowers gave a presentation of the TDA development, explaining its objective, structure, and components (Document UNDP/GEF/YS/TDA Draft1). He briefly

introduced the procedures of the development of TDA, with special reference to the Causal Chain Analysis ([Annex IV](#)). Mr. Bewers noted the linkage between the Governance Analysis and the TDA, in particular in relevance to identify the root causes of the environmental problems in the Yellow Sea.

6.2.2 For better understanding of the new members of the Regional Working Group, Mr. Jiang introduced the overall procedure and tasks of the TDA and SAP, including the roles of the Causal Chain Analysis and Governance Analysis.

6.2.3 The Meeting agreed that with appreciation of the TDA consultant of his rich experience and hard work, the TDA should be completed according to the overall workplan of the Project. The Meeting requested PMO to take necessary actions to facilitate the preparation of TDA on time. The RWG-I is ready to provide full support to the TDA consultant to complete his work.

7 PREPARATION OF THE SAP

7.1 Environmental Valuation

7.1.1 Ms. Li presented the final report of Environmental Valuation with the focus on mariculture (Document UNDP/GEF/YS/RWG-I.3/9). She explained major findings, including the ecosystem services to be addressed to comprehend the total economic value of the Yellow Sea ecosystem; and provided the valuation methods for the priority ecosystem services, especially those relevant to mariculture.

7.1.2 Mr. Zhu informed the Meeting about the preliminary results from the case study with the focus on mariculture. The case study was conducted in the Sanggou Bay where extensive mariculture operation was observed.

7.1.3 The members were invited to consider the information provided by Ms. Li and Mr. Zhu, and to suggest how to improve the report and how the findings can contribute to mariculture management and to the SAP development.

7.1.4 After the participants exchanged their initial thoughts, the meeting agreed to form a sessional working group with Ms. Li, Mr. Kwon, and Mr. Endo to review the preliminary results produced so far, and provide suggestions on improving the draft report.

7.1.5 The sessional working group for Environment Valuation informed the meeting about the results of the discussion. The sessional working group discussed how to improve the draft guideline with case studies, that were prepared by the consultant, and what framework and information the regional guideline should contain. The sessional working group shared views on the detailed suggestion of the draft report with the case study in mariculture; however, the sessional working group members did not reach consensus on the technical framework conducting the relevant studies. The sessional working group confirmed that the members will continue necessary co-operation after this meeting to improve the results of the draft report and the case study.

7.1.6 The meeting discussed the ways to implement case studies focusing on tourism and agreed that this activity should be implemented as agreed in the 2nd meeting of the RWG-I. PMO should advertise the work again with clear Terms of Reference (TOR), and a contractor should be selected after open bidding.

7.2 National Co-ordination and Implementation

- 7.2.1 On behalf of Mr. Haiqing Li, National Project Co-ordinator (NPC) of China, Mr. Liang presented the progress report on National Co-ordination in China (Document UNDP/GEF/YS/RWG-I.3/10). He described the co-ordination with relevant government agencies with respect to the co-operative cruise, the small grants programme, and the data and information collection. Mr. Liang also explained the assistance provided by NPC on the negotiation to involve the Democratic People's Republic of Korea (DPRK) in the UNDP/GEF Yellow Sea Project.
- 7.2.2 On behalf of Mr. Hyung-Tack Huh, National Project Co-ordinator (NPC) of Korea, Mr. Cho presented the progress report on National Co-ordination in Korea (Document UNDP/GEF/YS/RWG-I.3/10). Mr. Cho explained the co-ordination for major activities including those of the Inter-Ministerial Co-ordinating Committee (IMCC). Mr. Cho reported it was difficult to nominate members to the RWG meetings due to the lack of incentives. He has suggested that the members will attend the meeting more regularly with "institutional incentives" given. The Project should convince the organisations which provide the members to put higher priorities on the RWGs.
- 7.2.3 To strengthen national co-ordination functions, Mr. Jiang mentioned according to the requirements of GEF and commitments of the participating governments, more stakeholders should be involved in the inter-ministry committees and the national working groups.

7.2.4 The meeting noted the reports provided by NPCs and agreed to report to the NPCs on the discussion and agreements of the RWG-I.

7.3 Financial Sustainability

- 7.3.1 Following the agreement made by the Second RWG-I Meeting and endorsed by the Second PSC Meeting, Mr. Yihang Jiang presented preliminary considerations for financial sustainability of the Project (Document UNDP/GEF/YS/RWG-I.3/11). Having explained the types of financial resources and sustainable mechanisms, Mr. Jiang proposed options for future actions to be taken during the next two years. He informed the Meeting that relevant actions on the financial sustainability will be included in SAP.
- 7.3.2 Having considered that the Project will finish in 2009, Mr. Cho suggested that the Project should consider the application of the second phase as early as possible to secure funding from GEF for implementation of the SAP. He felt that the Project should prepare and submit an estimation of the budget for implementing SAP so that the governments and donor agencies can consider within their financial frameworks.
- 7.3.3 Mr. Liang mentioned that government funds are likely to be most possible sources of funding due to the heavy investments by the governments in the past for the protection of the Yellow Sea marine environment. He suggested a well-developed SAP for the sustainable development of the Yellow Sea environment be presented to the governments for potential support.
- 7.3.4 **The Meeting agreed on the preliminary consideration prepared by the PMO, and agreed that the strategy for financial sustainability should be prepared as part of the SAP.**

8 OTHER ACTIVITIES TO BE IMPLEMENTED FROM 2007 AND ONWARDS

8.1 The Chairperson invited the Secretariat to present activities with respect to (1) Yellow Sea Partnership and (2) data and information management, that have been agreed for implementation, but not yet initiated (Document UNDP/GEF/YS/RWG-I.3/12).

(1) Yellow Sea Partnership

8.2 Referring to the Yellow Sea Partnership with a few members from China, Mr. Jiang suggested to take more actions in China to get wider participation of Chinese organisations in the YSP.

8.3 The meeting realised the necessity of inviting more organisations from China, and requested the PMO to promote the expansion of the membership in consultation with current YSP members as well as the NPC in China.

8.4 The Meeting considered the suggestion from Mr. Yang to upgrade capacity of the local governmental officers and communities in report and proposal writing, and agreed that the workshop planned for 2008 should be organised in 2007.

8.5 Mr. Chung suggested the relevant information on Project activities should be advertised in the Project webpage, and the meeting agreed with this suggestion.

8.6 Mr. Cho suggested the fund raising workshop should focus on marine environment aspect. **The meeting agreed that the workshop on fund raising will be kept as originally planned.**

8.7 Mr. Cho also suggested building co-operation with universities that engage in international programmes. He stated that those universities might provide the Project with interpretation service, while they would benefit from working with the Project.

8.8 The meeting appreciated the information provided, and agreed to invite members of the group to provide PMO with relevant information for further actions.

(2) Data and Information Management

8.9 The meeting discussed this issue in the previous agenda item. Therefore there was no further discussion on this matter. However the meeting noted that in order to maintain and operate the databases, to gather relevant data from other data sources, there will be further financial requirements that need to be considered by the RSTP and PSC. The relevant issues should be included in the CKJORC's proposal to be submitted to RSTP for consideration.

9 WORKPLAN FOR 2007

9.1 Mr. Endo introduced this agenda item, referring to Document UNDP/GEF/YS/RWG-I.3/13.

9.2 The meeting discussed this draft workplan prepared by the PMO, and agreed to add the new activities to the workplan. The meeting agreed to the presented workplan with the newly added activities, which is attached as [Annex V](#) to this report.

10 OTHER BUSINESS

- 10.1 The Chairperson invited the members to raise any other issues that needed to be considered at this meeting. There was no other issue raised by the participants of the meeting.

11 DATE AND PLACE FOR 4TH RWG-INVESTMENT

- 11.1 The Chairperson invited members to consider the dates and place for the 4th RWG-I Meeting.
- 11.2 Mr. Cho suggested holding the next meeting in Korea in early September 2007. **The meeting agreed to have the next RWG-I meeting from 4 to 7 September 2007 in Korea.** The detailed venue will be decided after the discussion between the Chairperson of the Korea National Working Group for Investment Component and the PMO.

12 ADOPTION OF THE MEETING REPORT

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

13 CLOSURE OF THE MEETING

- 13.1 The Chairperson thanked all the participants from China and Korea for their hard work. He also thanked the PMO staff members for organising the meeting and the National Marine Environment Monitoring Center for providing logistical support. The Chairperson invited the participants to make remarks.
- 13.2 Mr. Liang thanked the Chairperson for his excellent guidance to lead the Meeting to having fruitful discussions. He thanked the participants from Korea for being dedicated to produce significant outputs successfully. Mr. Liang appreciated the opportunity to meet all the participants and looked forward to working with them again.
- 13.3 Mr. Cho expressed his sincere thanks to the Chairperson and the participants from China for their sincerity, commitment, and expertise to discuss and agree on a number of issues. He reemphasised the importance of the roles and responsibilities of this component, and hoped that all the members will maintain their commitments and that the Project activities will be implemented effectively and smoothly. Mr. Cho thanked the PMO for preparing and organising the meeting.
- 13.4 Mr. Jiang thanked the Chairperson for his excellent leadership and guidelines to produce high quality outputs from the meeting. He thanked the participants to address many issues and provide professional inputs. Mr. Jiang hoped to see more co-operation among the members in order to challenge difficult yet significant tasks ahead.
- 13.5 The Meeting closed at 12:45 hours on 12th September 2006.

Annex I

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Annex II

List of Documents

Working Documents

UNDP/GEF/YS/RWG-I.3/1	Provisional Agenda
UNDP/GEF/YS/RWG-I.3/2	Provisional Annotated Agenda
UNDP/GEF/YS/RWG-I.3/3	Report of the Meeting (<i>to be prepared at the meeting</i>)
UNDP/GEF/YS/RWG-I.3/4	Expected Outputs From the 3 rd RWG-I Meeting
UNDP/GEF/YS/RWG-I.3/5	Progress Report on Public Awareness Activities
UNDP/GEF/YS/RWG-I.3/6	Provisional Guideline on NGO and Private Sector's Membership in PSC
UNDP/GEF/YS/RWG-I.3/7	Final Report on Developments of the Regional GIS and Meta Databases
UNDP/GEF/YS/RWG-I.3/8	Final Report on Governance Analysis
UNDP/GEF/YS/TDA Draft1	First Draft of the Transboundary Diagnostic Analysis (TDA)
UNDP/GEF/YS/RWG-I.3/9	Final Report on Environmental Valuation of Mariculture
UNDP/GEF/YS/RWG-I.3/10	Progress Report on National Co-ordination
UNDP/GEF/YS/RWG-I.3/11	Provisional Guideline on Financial Sustainability
UNDP/GEF/YS/RWG-I.3/12	Investment Component Other Activities for 2007 and Onwards
UNDP/GEF/YS/RWG-I.3/13	Investment Component's Workplan for 2007 and Onwards

Information Documents

UNDP/GEF/YS/RWG-I.3/inf.1	Provisional List of Documents
UNDP/GEF/YS/RWG-I.3/inf.2	Provisional List of Participants
UNDP/GEF/YS/RWG-I.3/inf.3	Provisional Working Programme for the Meeting
UNDP/GEF/YS/RWG-I.2/3	Report of "Second Meeting of the Regional Working Group for the Investment Component"
UNDP/GEF/YS/RSP.2/3	Report of the "Second Meeting of the Regional Scientific and Technical Panel"
UNDP/GEF/YS/PSC.2/3	Report of the "Second Meeting of the Project Steering Committee"

UNDP/GEF/YS/PC.1/4	Report of the “Parliamentary Conference” and the IW Bridges on Summarised Experiences
YSP/YSPW.1/6	Report of the “Yellow Sea Partnership Workshop”
UNDP/GEF/YS/JC.2/3	Report of “Second Technical Meeting for the Co-operative Study Cruises In the Yellow Sea Marine Basin for the UNDP/GEF Yellow Sea Project”
UNDP/GEF/YS/JC.3/3	Report of “Third Technical Meeting for the Co-operative Study Cruises In the Yellow Sea Marine Basin for the UNDP/GEF Yellow Sea Project”

Annex III

Agenda

- 1. OPENING OF THE MEETING**
 - 1.1 Welcome addresses**
 - 1.2 Introduction of members**
- 2. ORGANISATION OF THE MEETING**
 - 2.1 Documentation Available to the Meeting**
 - 2.2 Organisation of Work**
- 3. ADOPTION OF THE MEETING AGENDA**
- 4. EXPECTED OUTPUTS FROM THE 3RD RWG-I MEETING**
- 5. REVIEW OF COMPLETED AND ON-GOING INVESTMENT COMPONENT ACTIVITIES**
 - 5.1 Stakeholder Involvement, Public Awareness and Participation**
 - 5.1.1 Parliamentary Conference
 - 5.1.2 Yellow Sea Partnership
 - 5.1.3 Small grants programme
 - 5.1.4 Youth programme
 - 5.1.5 Local government training
 - 5.1.6 Internship programme
 - 5.2 NGO and private sector's membership in PSC**
 - 5.3 Data and Information Management**
- 6. PREPARATION OF THE TDA**
 - 6.1 Governance Analysis**
 - 6.2 Draft TDA**
- 7. PREPARATION OF THE SAP**
 - 7.1 Environmental Valuation**
 - 7.2 National Co-ordination and Implementation**
 - 7.3 Financial Sustainability**
- 8. OTHER ACTIVITIES TO BE IMPLEMENTED FROM 2007 ONWARDS**
 - 8.1 Yellow Sea Partnership**
 - 8.2 Data and information management**
 - 8.3 Suggestions for other activities**
- 9. WORKPLAN FOR 2007**
- 10. OTHER BUSINESS**
- 11. DATE AND PLACE FOR 4TH RWG-INVESTMENT MEETING**

- 12. ADOPTION OF THE MEETING REPORT**
- 13. CLOSURE OF THE MEETING**

Annex IV

Presentation to YSLME Regional Working Groups on Transboundary Diagnostic Analysis



Transboundary Diagnostic Analysis (TDA)

**Presentation to YSLME
Regional Working Groups
on**

Transboundary Diagnostic Analysis

**Mike Bewers
September 2006**



Transboundary Diagnostic Analysis (TDA)

Purpose of a TDA

Specify options for intervention to address transboundary problems in the Yellow Sea.

Options for intervention identified in the TDA are used as a basis for selection of interventions in the Strategic Action Plan (SAP).



Transboundary Diagnostic Analysis (TDA)

**CONDUCTING A TDA IS THE FIRST STEP IN
BUILDING STAKEHOLDER OWNERSHIP
AT THE NATIONAL LEVEL**

TDA provides a sound scientific basis for action that must be fully understood by all stakeholders



Transboundary Diagnostic Analysis (TDA)

Structure and Content of a TDA

1. Characterization of environmental problems;
2. Identification of priorities among problems;
3. Identification of the causes of problems; (causal chain analysis)
4. Ranking of causes;
5. Discriminating between domestic (national) and transboundary problems; and
6. Identification of options for management intervention to mitigate or resolve problems.



Transboundary Diagnostic Analysis (TDA)

TDA Preparation

1. Is conducted primarily from technical and scientific perspectives;
2. May need some socio-economic expertise but does *not* normally require policy-level involvement; and
3. All policy-level considerations are dealt within the Strategic Action Plan (SAP).



Transboundary Diagnostic Analysis (TDA)

Actions required by Working Groups

- The characterization of environmental problems;
- The completion of a causal chain analysis for each problem; and
- The identification of options for management intervention.



Transboundary Diagnostic Analysis (TDA)

Characterization of Environmental Problems

Each problem must be described and characterized in terms of its adverse effects.

Based on the data and information assembled, this should include the nature of the problem and, where possible, quantify its impact in socio-economic terms e.g. loss of jobs, loss of production, loss of tourism income.

Quantification of impact in monetary terms assists the priority ranking of problems.



Transboundary Diagnostic Analysis (TDA)

Domestic versus Transboundary

If the problem arises in the waters of a single country and is caused wholly by activities or sources within that country, the problem is a **domestic problem**.

If the problem lies in **international** waters or in the waters under the jurisdiction of a country other than that in which the causes arise, the problem is a **transboundary problem**.



Transboundary Diagnostic Analysis (TDA)

A Causal Chain Analysis is

Unidirectional and starts from the identified environmental issue and/or problem

Identifies the causes of each problem in a sequence from the most immediate to the more fundamental causes

Moves from the environmental (natural sciences) domain through the chain of cause and effect to the “root” cause that frequently lies in the social, cultural and economic domain



Transboundary Diagnostic Analysis (TDA)

Hypothetical Causal Chain

Environmental Problem	Adverse Effects	Causes				Root Cause
		1	2	3	4	



Transboundary Diagnostic Analysis (TDA)

Hypothetical Causal Chain

Environmental Problem						
Eutrophication in coastal areas						



Transboundary Diagnostic Analysis (TDA)

Hypothetical Causal Chain

Environmental Problem	Adverse Effects					
Eutrophication in coastal areas	Fish mortality; oxygen depletion, excessive primary production, interference with beach amenities and odours resulting from the decay of organic matter					



Transboundary Diagnostic Analysis (TDA)

Hypothetical Causal Chain

	Adverse Effects	Immediate Cause (1 st level)				
	Fish mortality; oxygen depletion, excessive primary production, interference with beach amenities and odours resulting from the decay of organic matter	Excessive rates of release of nutrients from local industry				
		Excessive discharge of partially treated sewage into nearshore areas				



Transboundary Diagnostic Analysis (TDA)

Hypothetical Causal Chain

	Immediate Cause (1 st level)	Secondary Cause (2 nd level)			
	Excessive rates of release of nutrients from local industry	Poor control and regulation of fertilizer industry			
	Excessive discharge of partially treated and untreated sewage into nearshore areas	Poor maintenance of urban sewage treatment facilities			
		Inadequate capacity for sewage treatment			



Transboundary Diagnostic Analysis (TDA)

Hypothetical Causal Chain

			Secondary Cause (2 nd level)	Tertiary Cause (3 rd level)		
			Poor control and regulation of fertilizer industry	Inadequate enforcement of existing government policy and legislation relating to industries		
			Poor maintenance of urban sewage treatment facilities	Inadequate enforcement of regulations on discharges from sewage treatment facilities		
			Inadequate capacity for sewage treatment	Insufficient expansion of sewage treatment facilities in response to population increases		



Transboundary Diagnostic Analysis (TDA)

Hypothetical Causal Chain

			Tertiary Cause (3 rd level)	Quaternary Cause (4 th level)	
			Inadequate enforcement of existing government policy and legislation relating to industries		
			Inadequate enforcement of regulations on discharges from sewage treatment facilities		
			Insufficient expansion of sewage treatment facilities in response to population increases	Poor forward planning by central government and provincial authorities and municipalities	



Transboundary Diagnostic Analysis (TDA)

Hypothetical Causal Chain

				Quaternary Cause (4 th level)	Root Cause
					Inadequate compliance monitoring and enforcement by government and provincial agencies
					Inadequate compliance monitoring and enforcement by government and provincial agencies
				Poor forward planning by central government and provincial authorities and municipalities	Inadequate legislative basis for ensuring appropriate infrastructure for urban areas



Transboundary Diagnostic Analysis (TDA)

Environmental Problem	Adverse Effects	Immediate Cause (1 st level)	Secondary Cause (2 nd level)	Tertiary Cause (3 rd level)	Quaternary Cause (4 th level)	Root Cause
Eutrophication in coastal areas	Fish mortality; oxygen depletion, excessive primary production, interference with beach amenities and odours resulting from the decay of organic matter	Excessive rates of release of nutrients from local industry	Poor control and regulation of fertilizer industry	Inadequate enforcement of existing government policy and legislation relating to industries		Inadequate compliance monitoring and enforcement by government and provincial agencies
		Excessive discharge of partially treated and untreated sewage into nearshore areas	Poor maintenance of urban sewage treatment facilities	Inadequate enforcement of regulations on discharges from sewage treatment facilities		Inadequate compliance monitoring and enforcement by government and provincial agencies
			Inadequate capacity for sewage treatment	Insufficient expansion of sewage treatment facilities in response to population increases	Poor forward planning by central government and provincial authorities and municipalities	Inadequate legislative basis for ensuring appropriate infrastructure for urban areas

Interventions can be applied at any level of cause

Reduce Environmental Stress in the Yellow Sea Large Marine Ecosystem



Transboundary Diagnostic Analysis (TDA)

Steps to be taken

1. Consider the list of environmental problems and revise the list as appropriate;
2. Summarize the nature of the problem, where it occurs and its severity;
3. Conduct a causal chain analysis for each problem;
4. Consider the options for intervention for each cause in the causal chain and
5. Summarize the advantages and disadvantages for each intervention.

Annex V

Investment Component Workplan for 2007 and Onwards

ID	Task Name	Duration	Start	Finish	2006					2007					2008					2009														
					Jan	e	Mar	Apr	a	Jun	Jul	u	e	Oct	o	Dec	Jan	e	Mar	Apr	a	Jun	Jul	u	e	Oct	o	Dec	Jan	e	Mar	Apr	a	Jun
1	OBJECTIVE V: DEVELOPMENT OF REGIONAL INSTITUTIONS AND CAPACITIES	1312 days?	Fri 12/31/04	Thu 12/31/09																														
2	VA. Stakeholders	1305 days?	Mon 1/3/05	Wed 12/23/09																														
3	ACT 1: Identify stakeholders and assess their capacities for contributing to environmental management and decision-making	137 days?	Wed 3/1/06	Thu 9/7/06																														
4	Contract to institutions(experts)(Contract)--Governance Analysis	132 days?	Wed 3/1/06	Thu 8/31/06																														
5	Produce a regional list (PMO)	5 days?	Fri 9/1/06	Thu 9/7/06																														
6	ACT 2: Strengthen stakeholder capacities	1016 days?	Thu 2/9/06	Wed 12/23/09																														
7	Prepare training materials for all stakeholders (contract)	761 days?	Thu 2/9/06	Wed 12/31/08																														
8	Training for decision makers (Training 1)--Local Government Training in China	3 days?	Mon 9/24/07	Wed 9/26/07																														
9	Training for community trainers (Training 2)	2 days?	Mon 9/3/07	Tue 9/4/07																														
10	Training for local governmental officers (Training 3)--Local Government Training	3 days?	Mon 9/25/06	Wed 9/27/06																														
11	Intern programme	1002 days?	Wed 3/1/06	Wed 12/23/09																														
12	Site visits by government officials--Local Government Training	1 day	Wed 9/27/06	Wed 9/27/06																														
13	"The Yellow Sea and Youth"--Youth Programme in China	43 days?	Mon 9/3/07	Wed 10/31/07																														
14	ACT 3: Encourage routine and effective involvement of stakeholders in environmental and resource management and decision-making	1305 days?	Mon 1/3/05	Wed 12/23/09																														
15	Publish newsletters of the project	1305 days?	Mon 1/3/05	Wed 12/23/09																														
16	Printing newsletters	1305 days?	Mon 1/3/05	Wed 12/23/09																														
17	Regular stakeholders conference (1/yr)--YSP regular meetings (2nd) in Korea	2 days?	Tue 3/27/07	Wed 3/28/07																														
18	VB. Regional Coordination	1311 days?	Mon 1/3/05	Thu 12/31/09																														
19	ACT 1: Create a functioning regional coordination mechanism to carry out the YSLME Project	65 days?	Mon 1/3/05	Fri 4/1/05																														
20	Programme Coordinator	65 days?	Mon 1/3/05	Fri 4/1/05																														
21	Economist	65 days?	Mon 1/3/05	Fri 4/1/05																														
22	Scientific Officer	65 days?	Mon 1/3/05	Fri 4/1/05																														
23	Public Advisor	65 days?	Mon 1/3/05	Fri 4/1/05																														
24	Local Staff at PMO:	65 days?	Mon 1/3/05	Fri 4/1/05																														
25	Secretary	65 days?	Mon 1/3/05	Fri 4/1/05																														
26	Driver	65 days?	Mon 1/3/05	Fri 4/1/05																														
27	Administrative Assistant	65 days?	Mon 1/3/05	Fri 4/1/05																														
28	Administrative Officer	65 days?	Mon 1/3/05	Fri 4/1/05																														
29	IT Supporting staff	65 days?	Mon 1/3/05	Fri 4/1/05																														
30	ACT 2: Prepare TDA	136 days?	Tue 8/1/06	Wed 1/31/07																														
31	Review preliminary TDA, and suggest improvements (consultant)	4 days?	Tue 8/1/06	Fri 8/4/06																														
32	Discuss draft, and decide new format (WG meeting 3)	3 days?	Sat 9/9/06	Tue 9/12/06																														
33	Gathering data & info from national review report on the project components (PMO)	13 days?	Thu 9/14/06	Sat 9/30/06																														
34	Second draft of TDA (consultant)	21 days?	Tue 10/3/06	Tue 10/31/06																														
35	2nd discussion on the draft (RSTP, PSC)	4 days?	Thu 11/16/06	Tue 11/21/06																														
36	Revise the TDA	16 days?	Fri 11/24/06	Fri 12/15/06																														
37	Finalise TDA	16 days?	Mon 12/18/06	Thu 1/4/07																														
38	Printing the final TDA	19 days?	Fri 1/5/07	Wed 1/31/07																														
39	Act 3: Prepare Regional SAP	594 days?	Mon 5/1/06	Wed 7/30/08																														
40	Valuation studies for Mariculture	112 days	Mon 5/1/06	Sat 9/30/06																														
41	Prepare a draft regional SAP (consultant)	109 days?	Mon 1/1/07	Thu 5/31/07																														
42	Discuss the draft at the WG meeting	21 days	Fri 6/1/07	Fri 6/29/07																														
43	Revise the draft SAP & prepare version #2	85 days?	Fri 7/6/07	Wed 10/31/07																														
44	Discuss version #2	22 days	Thu 11/1/07	Fri 11/30/07																														
45	Revise the draft SAP, & prepare version #3	109 days?	Tue 1/1/08	Fri 5/30/08																														
46	Discuss version #3, & finalise the regional SAP (RSTP, PSC)	21 days	Mon 6/2/08	Mon 6/30/08																														
47	Printing regional SAP	22 days?	Tue 7/1/08	Wed 7/30/08																														
48	Act 4: Prepare nat'l SAP	285 days?	Tue 1/1/08	Fri 1/30/09																														
49	Assess all national information & prepare for a framework of NYSAP (contract)	109 days?	Tue 1/1/08	Fri 5/30/08																														
50	National meetings-1 on NYSAP	21 days?	Mon 6/2/08	Mon 6/30/08																														
51	Revise NYSAP	89 days?	Tue 7/1/08	Fri 10/31/08																														
52	Finalise NYSAP	38 days?	Mon 11/3/08	Wed 12/24/08																														
53	Print NYSAP	21 days?	Fri 1/2/09	Fri 1/30/09																														
54	Act 5: Partners of the Yellow Sea	1305 days?	Tue 1/11/05	Thu 12/31/09																														
55	Create partnerships with other organisations and projects--YSP	1305 days?	Tue 1/11/05	Thu 12/31/09																														
56	VC: NATIONAL INSTITUTIONS	1305 days?	Mon 1/3/05	Wed 12/23/09																														
57	ACT 1: Review and assess national institutions to support YSLME	127 days?	Fri 7/1/05	Fri 12/23/05																														
58	Contract to nat'l focal points (Contract)	87 days?	Fri 7/1/05	Mon 10/31/05																														
59	Finalise the review report (WG meeting)	39 days	Wed 11/2/05	Fri 12/23/05																														
60	ACT 2: Facilitate national institutions to be effective stewards of the YSLME	1305 days?	Mon 1/3/05	Wed 12/23/09																														
61	Local project office, Provision of necessary equipment	520 days?	Mon 1/3/05	Tue 12/26/06																														

ID	Task Name	Duration	Start	Finish	2006				2007				2008				2009																		
					Jan	e	Mar	Apr	a	Jun	Jul	u	e	Oct	o	Dec	Jan	e	Mar	Apr	a	Jun	Jul	u	e	Oct	o	Dec	Jan	e	Mar	Apr	a	Jun	Jul
62	Enhance communications	1305 days?	Mon 1/3/05	Wed 12/23/09	[Gantt bar]																														
63	Provide technical trainings	125 days?	Mon 7/3/06	Thu 8/6/09	[Gantt bar]																														
64	Seminars for research community	1305 days?	Mon 1/3/05	Wed 12/23/09	[Gantt bar]																														
65	Study tours for govt officials 1/yr (local govt)--Local Government Training	3 days?	Mon 9/25/06	Wed 9/27/06	[Gantt bar]																														
66	ACT 3: Establish National Coordination Unit within existing framework to assure intersectoral coordination in TDA/NYSAP/SAP process	495 days?	Mon 2/14/05	Sun 12/31/06	[Gantt bar]																														
67	Establish IMCC (meeting to decide)	65 days?	Wed 10/4/06	Sun 12/31/06	[Gantt bar]																														
68	Appoint NPC	65 days?	Mon 2/14/05	Fri 5/13/05	[Gantt bar]																														
69	Establish NCU (need equipment, staff)	65 days?	Mon 10/3/05	Thu 12/29/05	[Gantt bar]																														
70	Establish NWGs	65 days?	Mon 10/3/05	Thu 12/29/05	[Gantt bar]																														
71	ACT 4: Develop proposals to strengthen national institutions to enhance their ability to contribute to environmental management and decision-making	548 days?	Mon 1/3/05	Wed 1/31/07	[Gantt bar]																														
72	Together with Activity 2, Strengthen national institutions to be part of TDA development	548 days?	Mon 1/3/05	Wed 1/31/07	[Gantt bar]																														
73	VD: FINANCIAL INSTRUMENTS	1008 days?	Wed 3/1/06	Thu 12/31/09	[Gantt bar]																														
74	ACT 1: Review status and potential for financial sustainability of YSLME regional institutional framework	141 days?	Wed 3/1/06	Tue 9/12/06	[Gantt bar]																														
75	Contract to institution (contract to national focal point)--Governance Analysis	132 days?	Wed 3/1/06	Thu 8/31/06	[Gantt bar]																														
76	Discuss & finalise the review report (WG meeting 3)	3 days?	Sat 9/9/06	Tue 9/12/06	[Gantt bar]																														
77	ACT 2: Provide training in environmental project identification and preparation	256 days?	Sat 9/9/06	Tue 8/28/07	[Gantt bar]																														
78	Identify the training needs (WG meeting 3)	3 days	Sat 9/9/06	Tue 9/12/06	[Gantt bar]																														
79	Training #1 Project document preparation	2 days?	Mon 7/23/07	Tue 7/24/07	[Gantt bar]																														
80	Training #2 Fund raising	2 days?	Mon 8/27/07	Tue 8/28/07	[Gantt bar]																														
81	ACT 3: Assist and encourage the continuation of project preparation and feasibility studies for long-term environmental investment to implement the SAP and NYSAPs	201 days?	Mon 2/4/08	Fri 11/7/08	[Gantt bar]																														
82	Prepare draft proposal (consultant)--Financial Sustainability	86 days?	Mon 2/4/08	Sat 5/31/08	[Gantt bar]																														
83	PSC to discuss	5 days	Mon 11/3/08	Fri 11/7/08	[Gantt bar]																														
84	ACT 4: Provide matched fund for small grant project	261 days?	Tue 1/2/07	Mon 12/31/07	[Gantt bar]																														
85	Identify the topics of small grant project (PMO)	22 days?	Tue 1/2/07	Wed 1/31/07	[Gantt bar]																														
86	Provide matched funds for the approved projects (contracts)	86 days?	Thu 2/1/07	Thu 5/31/07	[Gantt bar]																														
87	Matched grants	1 day?	Mon 12/31/07	Mon 12/31/07	[Gantt bar]																														
88	ACT 5: Provide funding for pre-feasibility studies of promising technologies and industries to help achieve the goals of the YSLME, to create an investment portfolio (Priority Investment Portfolio)	393 days?	Tue 7/1/08	Thu 12/31/09	[Gantt bar]																														
89	Prepare pre-feasibility studies (consultant)	89 days?	Tue 7/1/08	Fri 10/31/08	[Gantt bar]																														
90	Discuss & finalise pre-feasibility study(WG meeting, RSTP)	20 days?	Mon 11/3/08	Fri 11/28/08	[Gantt bar]																														
91	Submit to PSC for approval	18 days?	Mon 12/1/08	Wed 12/24/08	[Gantt bar]																														
92	Demonstration projects (contracts)--Demonstration on sustainable investment	262 days	Wed 12/31/08	Thu 12/31/09	[Gantt bar]																														
93	VE: DATA AND INFORMATION MANAGEMENT	1312 days?	Fri 12/31/04	Thu 12/31/09	[Gantt bar]																														
94	ACT 1: Determine regional data and information management capabilities	216 days?	Mon 1/3/05	Mon 10/31/05	[Gantt bar]																														
95	Review regional data & info systems, i.e. regional data centre, NEAR-GOOS, NOWPAP DINRAC, (consultant)	129 days?	Mon 1/3/05	Thu 6/30/05	[Gantt bar]																														
96	Prepare a proposal for DIM (consultant)	87 days?	Fri 7/1/05	Mon 10/31/05	[Gantt bar]																														
97	ACT 2: Develop an effective regional DIM strategy to help achieve the goals of the YSLME	1312 days?	Fri 12/31/04	Thu 12/31/09	[Gantt bar]																														
98	Decide where database should be hosted	130 days?	Fri 12/31/04	Thu 6/30/05	[Gantt bar]																														
99	Discuss and approve DIM proposal, including guidelines (WG meeting 2, PSC)	25 days	Tue 11/15/05	Sat 12/17/05	[Gantt bar]																														
100	Equipment (GIS software, hardware)	109 days?	Mon 4/3/06	Thu 8/31/06	[Gantt bar]																														
101	Training on DIM	2 days?	Tue 12/12/06	Wed 12/13/06	[Gantt bar]																														
102	Operation of DIM	875 days	Mon 9/4/06	Thu 12/31/09	[Gantt bar]																														
103	ACT 3: Implement the regional DIM strategy, including equipment, facilities, and communications	79 days?	Fri 9/15/06	Sun 12/31/06	[Gantt bar]																														
104	To identify sustainable means for the DIM	79 days?	Fri 9/15/06	Sun 12/31/06	[Gantt bar]																														
105	VF: Public Awareness and Participation	1311 days?	Mon 1/3/05	Thu 12/31/09	[Gantt bar]																														
106	ACT 1: Develop a public awareness campaign	444 days?	Mon 1/3/05	Tue 9/12/06	[Gantt bar]																														
107	Preparation of public awareness campaign (PMO)--Public Awareness Strategy	326 days?	Mon 1/3/05	Fri 3/31/06	[Gantt bar]																														
108	Agree on the campaign (WG meeting 3)	3 days	Sat 9/9/06	Tue 9/12/06	[Gantt bar]																														
109	ACT 2: Demonstrate regional public awareness/participation campaign	371 days?	Wed 11/2/05	Wed 3/28/07	[Gantt bar]																														
110	Organise public awareness conferences (contracts)--Parliamentary Conference	3 days	Mon 3/26/07	Wed 3/28/07	[Gantt bar]																														
111	Prepare public awareness materials (Contracts)	174 days?	Wed 11/2/05	Fri 6/30/06	[Gantt bar]																														
112	Produce multi-media, e.g. project pins, mouse pads, posters, etc.	174 days	Wed 11/2/05	Fri 6/30/06	[Gantt bar]																														
113	Public awareness training-twice	1 day	Mon 1/1/07	Mon 1/1/07	[Gantt bar]																														
114	ACT 3: Encourage ongoing public awareness and participation activities to help achieve the goals of the YSLME	1305 days?	Tue 1/11/05	Thu 12/31/09	[Gantt bar]																														
115		1305 days?	Tue 1/11/05	Thu 12/31/09	[Gantt bar]																														