



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

UNDP/GEF/YS/RWG-I.2/3
Date: 17 November 2005
English only

**Second Meeting of the Regional Working Group
for the Investment Component**
Jeju, Korea, 14-17 November 2005

Meeting Report

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1 OPENING OF THE MEETING

1.1 Welcome addresses

- 1.1.1 On behalf of the United Nations Development Programme (UNDP) and United Nations Office for Project Services (UNOPS), Mr. Yihang Jiang, Project Manager, opened the meeting and welcomed the members of the Regional Working Group-Investment (RWG-I) to Jeju. He briefly explained the issues that need to be discussed and agreed in this meeting, such as Public Awareness, Governance Analysis, Socioeconomic Analysis, Financial Sustainability, and Data and Information Management.
- 1.1.2 Mr. Mingyuan Zhu, the Chairperson of the RWG-I also welcomed the members participating in the Second Meeting of the Regional Working Group.

1.2 Introduction of members

- 1.2.1 As there were some new members and new PMO staff attending the meeting, the Chairperson invited all participants to introduce themselves and give 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 of the Project Management Office (PMO) introduced the meeting's working and information documents, with emphasis on the Public Awareness and Communication Strategy, the description of Governance Analysis, and the draft Guideline for Economic Valuation.

2.2 Organisation of Work

- 2.2.1 The PMO presented the provisional working programme for the meeting.
- 2.2.2 The PMO emphasised 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 might be established if deemed necessary.
- 2.2.3 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 modification, which is attached as Annex II to this report.

4 EXPECTED OUTPUTS FROM THE 2ND RWG-I MEETING

- 4.1 The Chairperson invited the Secretariat to present the expected outputs of the meeting. Mr. Endo presented a list of the outputs expected to be achieved at the meeting, and provided the brief objectives for the agenda items.

4.2 ***The meeting noted*** the expected outputs for the meeting as presented by the Secretariat, ***and agreed*** to keep these expected outputs in mind during the discussion of the relevant agenda items.

5 CONSIDERATION OF ON-GOING ACTIVITIES UNDER THE INVESTMENT COMPONENT

5.1 Stakeholder Involvement, Public Awareness and Participation

5.1.1 Mr. Endo presented an overview of the Yellow Sea Partnership and the Public Awareness and Communication Strategy by referring to Document UNDP/GEF/YS/RWG-I.2/5. He described its purpose, messages to deliver, expected outcomes, implementing entities, target audiences, and implementing schedule.

5.1.2 Mr. Jiang explained that, following the decision of the First Meeting of the Regional Scientific and Technical Panel (Dalian, China, July 2005), a draft document on the public awareness and participation was prepared by PMO. He mentioned both the established and expected partnership with relevant organisations, emphasising that the partnership was open to all other organisations.

5.1.3 The members discussed the relevant issues included in the strategy, including the proposed target audiences and suggested other potential stakeholders to consider.

5.1.4 Following extensive discussion on this agenda, ***the meeting agreed that:***

- The partnership should be expanded to include more organisations such as the North Pacific Marine Science Organization (PICES) and NGOs working at regional levels dealing with marine litter;
- The purposes of the Strategy should be divided into categories; and
- The target group of “Scientific Community” should be modified to “Scientific/Academic Communities” for better understanding by the public.

5.1.5 Mr. Jiang informed the meeting of an idea of holding a Partnership Workshop among the implementing entities to co-ordinate implementation of the activities listed in the Strategy.

5.1.6 ***The meeting agreed*** to have the Partnership Workshop after the Strategy is finalised and approved by the Project Steering Committee (PSC).

5.1.7 ***The meeting discussed and agreed*** on the following recommendations:

- Submit the Strategy to the RSTP and PSC for consideration and approval;
- Organise the Partnership Workshop to facilitate better co-operation and co-ordination of the activities listed in the Strategy;
- Extend invitation to other potential partners to participate in the partnership;
- Implement promotion activities covering, as much as possible, all the targeted audiences and stakeholders; and

- Monitor and evaluate the implementation.

5.2 Governance Analysis

- 5.2.1 Mr. Endo provided the meeting with the brief summary of Governance Analysis (Document UNDP/GEF/YS/RWG-I.2/6) with the emphasis on the three analytical works constituting the Governance Analysis: Stakeholder Analysis, Institutional Analysis, and Legal and Policy Analysis. He also proposed a possible implementation structure as well as a possible schedule for the Analysis. Additionally, he summarised the suggestions made by the RWG-Biodiversity for the Governance Analysis, such as hiring two consultants, if possible, one from China and the other from Korea, and organising a Governance Analysis team which would consist of the consultant(s) and one representative from each RWG.
- 5.2.2 Mr. Jiang invited the members to consider the implementation structure to produce effective, efficient, and impartial results. He proposed two options for such arrangements: (i) integrated approach by a single consulting team for each country; and (ii) parallel approach by different consultants for each Component.
- 5.2.3 The members explored these and other possible arrangements, and **reached an agreement** to propose the framework as shown in Annex III.
- 5.2.4 The members were invited to review the description of tasks for the consultants.
- 5.2.5 Mr. Hyun-Jin Park raised a concern about the work schedule, stating that the research period might be too short to produce quality results.
- 5.2.6 The PMO explained the importance of completing the Governance Analysis as scheduled in order to incorporate its result into the TDA.
- 5.2.7 **The meeting agreed that** the duration of the research is four months, preferably starting from early January 2006.
- 5.2.8 With regard to the proposed tasks for the governance analysis, **the meeting agreed** to eliminate the task of examining the differences among concerned countries in their legal and policy frameworks because the agreed contracting arrangements (see above 5.2.3) do not allow the consultants to proceed with this task. Additional arrangements may be necessary to examine regional implications of the governance analysis.
- 5.2.9 **The meeting reviewed** the qualifications for the consultants and **suggested that** prospective candidates should have the expertise and experience in relevant legislation and institutional framework, as well as in environmental and resources management.
- 5.2.10 **The meeting discussed and agreed** on the execution plan of Governance Analysis, which is attached as Annex IV.

5.3 Socio-economic Analysis

- 5.3.1 Mr. Endo introduced the draft Guideline for Environmental Valuation (Document UNDP/GEF/YS/RWG-I.2/7), focusing on the concept of the economic analysis of marine ecosystems and on the possible methodologies for valuing the benefits and costs of conservation efforts. He also introduced a specific theoretical background and method to measure the economics of commercial fisheries.

- 5.3.2 Mr. Hak-Bong Chang stated the importance of defining the targets of the analysis. Noting that valuing ecosystem services, especially non-market services, required a lot of effort, Mr. Chang suggested conducting the Environmental Valuation in two stages:
- Firstly, building up a conceptual framework for various targets, which includes identifying the targets and methods;
 - Secondly, valuing the benefits and costs of a few selected targets as case studies.
- 5.3.3 Based on Mr. Chang's suggestion, **the meeting agreed on** an analytical framework/procedure for Environmental Valuation as shown in Annex V. In this framework, a series of steps will be taken iteratively, such as defining the procedures and processes, identifying relevant methods and conducting case studies.
- 5.3.4 The members discussed about the environmental problems of the Yellow Sea to identify the initial targets, and the practical procedures to carry out environmental valuation.
- 5.3.5 The meeting examined these selection criteria and decided to select tourism and mariculture as the initial targets. **The meeting also agreed** that other targets including commercial fisheries will be identified and addressed, if necessary, at a later stage.
- 5.3.6 Mr. Hak-Bong Chang presented a preliminary analytical framework for valuing tourism as described in Annex VI. In this process, the benefits of tourism are defined as the increased expenditures by tourists; meanwhile, the costs of tourism are defined as the investment to reduce the stress in the Yellow Sea ecosystems. Both the market value method and the travel cost method are suggested to value the benefits.
- 5.3.7 Ms. Jingmei Li presented a proposed methodology to carry out the environmental valuation on mariculture and its impacts on marine ecosystems, and the procedure and methods to conduct benefit-cost analyses.
- 5.3.8 Based on the presentation, the meeting discussed an applicability of suggested methods (market price, replacement cost) to the valuation of mariculture. The members also exchanged opinions on various relevant issues such as how to incorporate possible market distortion, consider many cultured species, and address adverse impacts of mariculture.
- 5.3.9 **The meeting discussed and agreed** on the steps and schedule to implement the first phase of the environmental valuation studies. The implementation steps/schedule is attached as Annex VII.
- 5.3.10 **The meeting agreed** that the initial effort on the environmental valuation should focus on tourism and mariculture as the first phase. The main objective of this phase is to prepare and establish a regional procedure/process to carry out the environmental valuation, which could be applied to other targeted issues.
- 5.3.11 Mr. Won-Keun Chang presented the draft budget proposal for Environmental Valuation studies.

- 5.3.12 Following the extensive discussion on the budget issue, Mr. Jiang suggested that as there was no allocation in the current budget (approved by the PSC) for environmental valuation, the PMO would have to raise this issue during the next budget revision, and to recommend that the PSC re-allocate necessary funds for this purpose. The proposed budget revision will be submitted to the next meetings of RSTP and PSC for consideration and approval. Upon approval, the PMO will formulate a Statement of Work (SOW) containing the work to be carried out and will circulate to the interested experts. With the proposal on the activities and estimated budget, the PMO will hire consultants to proceed with necessary work. In case the budget allocated for this purpose is not enough, the PMO has to consider reducing the scope of work.
- 5.3.13 **The meeting emphasised** again the importance of environmental valuation in the overall framework of the project implementation, accepted the suggestion of the PMO, **and agreed** to provide technical guidance to make the SOW practical and feasible.

5.4 National Co-ordination and Implementation

- 5.4.1 Referring to Document UNDP/GEF/YS/RWG-I.2/8, Mr. Hak-Bong Chang reported on the activities of national co-ordination and implementation in Korea, focusing on the establishment and activities of National Working Group for Investment (NWG-I) Component.
- 5.4.2 Mr. Zhu reported on the progress of national co-ordination and implementation in China. He mentioned that China's NWGs were established and that their members were so far the same as the Regional Working Groups. He expressed that China intends to enlarge the membership by inviting more institutions.
- 5.4.3 The Project Manager indicated the importance of the co-ordinating roles of the Inter-Ministerial Co-ordinating Committee (IMCC), and informed the meeting that no meeting had been convened in either of the participating countries. He emphasised that the following activities and/or actions are critical for the success of the project:
- Inviting more institutions to participate in the activities of the national working groups, including local governments, local communities, and NGOs, which will not only obtain broad support and expertise for better implementation of the Project, but also produce quality results of the stakeholder analysis;
 - Securing a relatively stable participation of the members to the respective meetings of the regional working groups, to maintain the integrity and continuity of the project implementation; and
 - Enhancing national co-ordination of relevant ministries in the implementation of the project activities, which is one of the overall objectives of the project.
- 5.4.4 **The meeting noted** the statements made by the Project Manager, **and agreed to** discuss these issues further with the National Project Co-ordinators (NPCs).

5.5 Financial Sustainability

- 5.5.1 The members noted the importance of securing financial sustainability for continuous implementation of management activities to be prepared and agreed in the Strategic Action Programme for the Yellow Sea. To achieve this purpose, there is a need to prepare a strategic paper on financial sustainability.

- 5.5.2 The meeting discussed this important issue, and suggested several useful approaches that should be included in the strategic paper. The meeting invited Mr. Jiang to prepare a draft outline of the strategic paper, which he presented to the plenary meeting on the next day.
- 5.5.3 Mr. Jiang presented a draft sustainable financial strategy, as requested by the regional working group.
- 5.5.4 **The meeting reviewed** the draft outline and provided suggestions and comments on the outline. The revised version of the outline is attached as Annex VIII to this report. **The meeting agreed** that a draft strategy on financial sustainability should be prepared by the PMO, and presented to the next RWG-I meeting for consideration.

5.6 Data and Information Management

- 5.6.1 With request from the director of China-Korea Joint Ocean Research Center (CKJORC), Mr. Aiping Feng presented the progress report of establishing the GIS and meta databases with the emphasis on its objectives, components, and implementation structure. He also explained specific technical considerations for the development, demonstrating the functions of the databases.
- 5.6.2 The meeting expressed its appreciation to the First Institute of Oceanography for its generous offer of necessary software for the GIS database, in particular the ArcIMS and ArcEngine, and some hardware required for the database.
- 5.6.3 The Project Manager provided information on the agreement made by the RSTP, regarding the establishment of GIS and meta databases, including:
- The RSTP agreed that the meta database and GIS database will be hosted at the CKJORC;
 - The PMO will take a leading role in the development of the databases;
 - China and Korea will have equal responsibility for the joint facility and management of the data;
 - The data on biodiversity in the Yellow Sea produced by WWF's Yellow Sea Eco-region Planning Programme project will be provided to the Project;
 - Sundosoft Inc., a Korean software and database development company, volunteered to assist the Project to develop the databases.
- 5.6.4 With regard to the socio-economic data to be included in the GIS database, the Project Manager informed the meeting that other RWGs already identified requirements for socioeconomic data to be used in the TDA. He suggested that the members of RWG-I review the data requirements identified by the RWGs, and add, if necessary, additional data requirement for the governance analysis and environmental valuation, as discussed and agreed during this meeting. These additional requirements should be sent to PMO as soon as possible, in order to include them into the GIS database.
- 5.6.5 **The meeting accepted and agreed** to review the development at the next RWG-I meeting.

6. ADDITIONAL ACTIVITIES TO BE IMPLEMENTED DURING 2005-2006

6.1 Preparation of the Investment Component in the Draft TDA

- 6.1.1 Mr. Endo introduced this agenda item with special reference to the requirements of the preparation of TDA and SAP.
- 6.1.2 The Project Manager informed the meeting that the other regional working groups have agreed to prepare regional syntheses for their respective components, to provide information on the status and trends of the marine environment of the Yellow Sea. For the RWG-I, the outcomes of the integrated governance analysis would be very useful information for the TDA. He invited the meeting to consider how to incorporate the results of governance analysis into that of the causal chain analysis, which was conducted by other RWGs.
- 6.1.3 ***The meeting emphasized*** that the governance analysis and environmental valuation are important elements for the TDA and SAP, and agreed to make a recommendation to the RSTP and PSC to allocate necessary financial resources to conduct these tasks.

7 WORKPLAN FOR 2005 TO 2006

- 7.1 Mr. Endo introduced this agenda item referring to Document UNDP/GEF/YS/RWG-I.2/10, Workplan of the Regional Working Group for the Investment Component for 2005 and 2006.
- 7.2 The meeting discussed the draft workplan prepared by the PMO, and agreed to add the agreed working schedules for the governance analysis and environmental valuation into the proposed workplan.
- 7.3 The Workplan was modified according to the agreement, and is attached as Annex IX to this document.

8 OTHER BUSINESS

- 8.1 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.

9 DATE AND PLACE FOR 3RD RWG-INVESTMENT

- 9.1 The Chairperson invited members to consider the date and place for the 3rd RWG-I meeting.
- 9.2 ***The meeting agreed*** to have the next RWG-I meeting 4-7 September 2006 in China. The detailed venue will be decided after the discussion between the Chairperson of RWG-I and the PMO.

10 ADOPTION OF THE MEETING REPORT

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

11 CLOSURE OF THE MEETING

- 11.1 The Chairperson thanked all participants from China and Korea for their hard work. He also thanked the PMO staff for organising the meeting.
- 11.2 On behalf of all participants, Mr. Jiang thanked the Chairperson for leading the meeting successfully. Mr. Jiang also thanked all participants for their contributions to the fruitful discussions and agreements.
- 11.3 The meeting closed at 11:30 hours on 17th November 2005.

Annex I

List of Participants

People's Republic of China

Mr. Mingyuan ZHU

Professor
First Institute of Oceanography, SOA
6 Xianxialing Road Hi-Tech Industrial Park
Qingdao, Shandong 266061
Tel: 86-532-8896-7548
Fax: 86-532-8896-7447
Mobile: 86-136-0898-3422
Email: myzhu@public.qd.sd.cn

Mr. Aiping FENG

First Institute of Oceanography, SOA
6 Xianxialing Road Hi-Tech Industrial Park
Qingdao, Shandong 266061
Tel: 86-532-8896-7874
Fax: 86-532-8896-7447
Email: fengap@fio.org.cn

Ms. Jingmei LI

College of Economics
Ocean University of China
23 Hong Kong East Road
Qingdao, Shandong 266077
Tel: 86-532-8590-1559(O)
86-532-8581-2346 (H)
Mobile: 86-138-6395-0669
Fax: 86-532-8590-1560
E-mail: jingmeili66@yahoo.com

Republic of Korea

Mr. Hak-Bong CHANG

Head
Marine Environment Policy Research Team
Marine Environment & Coastal Management
Research Division
Korea Maritime Institute (KMI)
1027-4, Bangbae 3-dong, Seocho-gu
Seoul 137-851
Tel: 82-2-2105-2763
Fax: 82-2-2105-2779
Email: hbchang@kmi.re.kr

Mr. Hyun-Jin PARK

Visiting Professor
Division of International Education and
Exchange
Yonsei University
134, Sinchon-dong, Seodaemu-gu
Seoul 130-749
Tel: 82-2-2616-6744
Email: hjpark222@hanmail.net

Mr. Won-Keun CHANG

Senior Researcher
Coastal Management Team, Marine
Environment & Coastal Management
Research Division
Korea Maritime Institute (KMI)
1027-4, Bangbae 3-dong, Seocho-gu
Seoul 137-851
Tel: 82-2-2105-2909
Fax: 82-2-2105-2779
Email: wkchang@kmi.re.kr

Project Management Office (PMO)

Mr. Isao ENDO

Environmental Economics Officer
UNDP/GEF Yellow Sea Project
Korea Ocean Research and Development
Institute
1270 Sa-dong, Sangnok
Ansan City
Gyeonggi Province 426-744
Republic of Korea
Tel: 82-31-400-7793
Fax: 82-31-400-7826
email: isao@yslme.org

Mr. Yihang JIANG

Project Manager
UNDP/GEF Yellow Sea Project
Korea Ocean Research and Development
Institute
1270 Sa-dong, Sangnok
Ansan City
Gyeonggi Province 426-744
Republic of Korea
Tel: 82-31-400-7825
Fax: 82-31-400-7826
email: yihang@yslme.org

Mr. Sung-Jun PARK

Finance & Administrative Officer
UNDP/GEF Yellow Sea Project
Korea Ocean Research and Development
Institute
1270 Sa-dong, Sangnok
Ansan City
Gyeonggi Province 426-744
Republic of Korea
Tel: 82-31-400-7828
Fax: 82-31-400-7826
email: sungjun@yslme.org

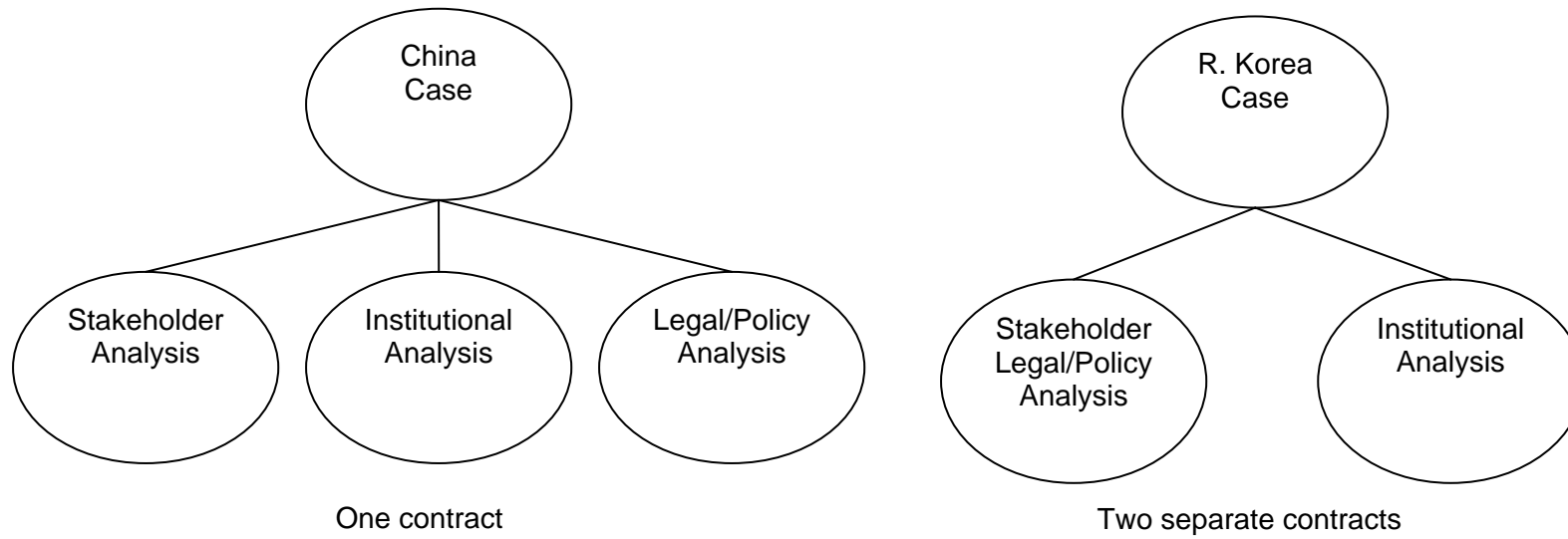
Annex II

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 2ND RWG-I MEETING**
- 5. ON-GOING ACTIVITIES UNDER THE INVESTMENT COMPONENT**
 - 5.1 Stakeholder Involvement, Public Awareness and Participation
 - 5.2 Governance Analysis
 - 5.3 Socio-economic Analysis
 - 5.4 National Co-ordination and Implementation
 - 5.5 Financial Sustainability
 - 5.6 Data and Information Management
- 6. ADDITIONAL ACTIVITIES TO BE IMPLEMENTED DURING 2005 TO 2006**
 - 6.1 Preparation of the Investment Component in the Draft TDA
- 7. WORKPLAN FOR 2005 TO 2006**
- 8. OTHER BUSINESS**
- 9. DATE AND PLACE FOR 3RD RWG-INVESTMENT MEETING**
- 10. ADOPTION OF THE MEETING REPORT**
- 11. CLOSURE OF THE MEETING**

Annex III

Implementation Structure for Governance Analysis



Annex IV

Draft Execution Plan of Governance Analysis

1. Objectives

The objectives of the Governance Analysis are to understand the root causes of environmental problems and to identify possible options for intervention.

The results of the Analysis will be used as inputs for the Causal Chain Analysis and the Transboundary Diagnostic Analysis/Strategic Action Programme development.

2. Activities

To achieve the above objectives, the Stakeholder Analysis, the Institutional Analysis, and the Legal and Policy Analysis will be implemented. For detailed information about these analytical works, consult "Brief Description of Governance Analysis."

3. Expected outcomes

The expected outcomes of the analysis include the information on:

- Political hierarchies and relationships among various stakeholders;
- Potential failures in the institutional arrangements;
- Reasons for lack of implementation by the relevant national strategies and law enforcement agencies;
- Effective means for public involvement; and
- Priority areas and activities for future interventions.

4. Implementation structure

The implementation structure for the Governance Analysis consists of four major entities: (i) Regional Working Group-Investment (RWG-I), (ii) RWGs for other components, (iii) Project Management Office (PMO), and (iv) Governance Analysis Experts/consultants.

Collection and analysis of data will be conducted by independent experts/consultants who have not only the expertise and experiences in the relevant field but also the local knowledge and perception.

The PMO will supervise the work conducted by the consultants, with technical guidance from RWG-I members in order to incorporate the regional dimension into the analysis and to use its results effectively for the TDA/SAP development.

The PMO will also co-ordinate overall activities and provide logistical assistances for the consultants.

The RWGs for other components will provide the consultants with data from their respective component's data and information collection activity, as well as the preliminary interpretation of the data.

A single contract is to be made in China's case to implement all three analytical works (i.e., Stakeholder, Institutional, and Legal/Policy Analysis); whereas, two separate contracts are to

be made in Korea's case, one for Stakeholder and Legal/Policy Analysis and the other for Institutional Analysis.

The figure below summarises the implementation mechanism.

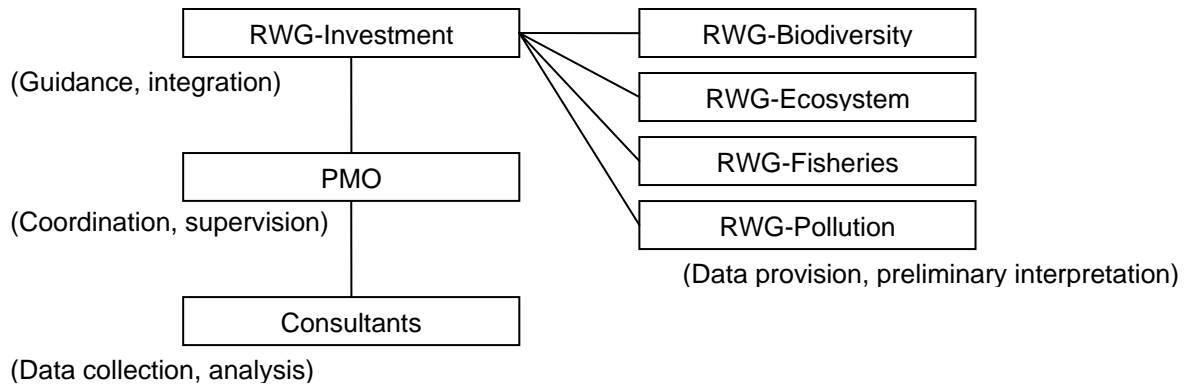


Figure. Implementation Structure of Governance Analysis

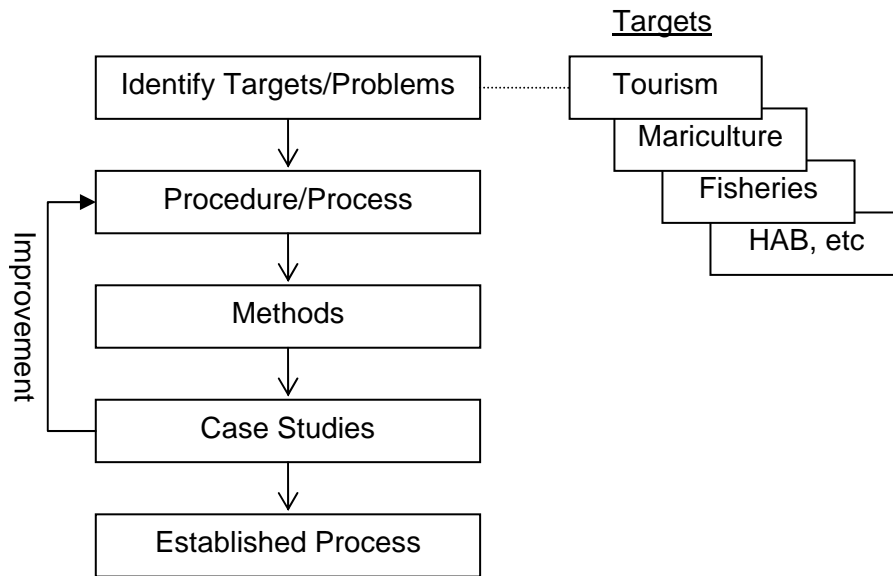
5. Work schedule

The work will be carried out from January 2006 through May 2006. The final report will be submitted to and discussed at the 3rd RWG-I meeting.

The duration of the research is four months, preferably starting from early January 2006.

Annex V

Analytical Framework/Procedure for Environmental Valuation



Annex VI

Analytical Processes for Valuation of Tourism and Mariculture

I. Valuation of tourism

1. Identification of Target and Problems

- Target: Enhancement in tourism
- Problems: Increase in wastes by increased tourists
Damage to ecosystem (wetlands) by tourists

2. Procedure/Process

Better water quality
→ Sound ecosystem
→ Enhancement in recreational resources
→ More tourists, increased frequency

Benefit = Increase in expenditures by tourists
Cost = Investment to reduce the stress in YSLME

3. Methods

- Market value (using statistics)
- Travel cost (without statistics)

4. Case study

- Select one spot (wetland area or beaches)

5. Established Process

II. Valuation of Mariculture

1. Identification of Target and Problems

- Target: Reducing environmental impact of mariculture on marine ecosystem
- Problems: In case of filter feeder shellfish culture
 - excess excretion
 - selected feeding
 - increase of pathogenic organisms

In case of fish cage and shrimp pond culture

- over feeding
- excess excretion
- anoxic
- increase of pathogenic organisms

2. Procedure/ Process

- Defining the alternatives (With the conservation and without the conservation)
- Identification of the major environmental effects.

- Quantification in physical terms of the environmental effects.
- Valuation of the benefit and costs.
- Sensitivity analysis (if necessary)
- Policy recommendation to meet objectives.

3. Methods

- Market price
- Replacement cost

4. Case study

- Semi-closed bay marine culturing

5. Established Process

Annex VII

Draft Execution Plan of Environmental Valuation

1 Objectives

The objectives of the Environmental Valuation are to understand the ecosystem benefits provided by Yellow Sea and the costs of conservation efforts.

The results of the Analysis will be used as inputs for the Transboundary Diagnostic Analysis/Strategic Action Programme development.

2 Activities

To achieve the above objectives, the Environmental Valuation studies will be implemented. For detailed information about these analytical works, consult the "Provisional Guideline for Environmental Valuation."

3 Expected outcomes

The expected outcomes of the analysis include the information on:

- Established conceptual framework for Environmental Valuation
- Current value of Yellow Sea
- The benefits and costs of Yellow Sea with and without conservation efforts
- Policy implications for the sustainability of Yellow Sea

4 Implementation structure

The implementation structure for the Environmental Valuation consists of four major entities: (i) Regional Working Group-Investment (RWG-I), (ii) RWGs for other components, (iii) Project Management Office (PMO), and (iv) Economists/Consultants.

Collection and analysis of data will be conducted by independent experts/consultants who have not only the expertise and experiences in the relevant field but also the local knowledge and perception.

The PMO will supervise the work conducted by the consultants, with technical guidance from RWG-I members in order to incorporate the regional dimension into the analysis and to use its results effectively for the TDA/SAP development.

The PMO will also coordinate overall activities and provide logistical assistances for the consultants.

The RWGs for other components will provide the consultants with data from their respective component's data and information collection activity, as well as the preliminary interpretation of the data.

The figure below summarises the implementation mechanism.

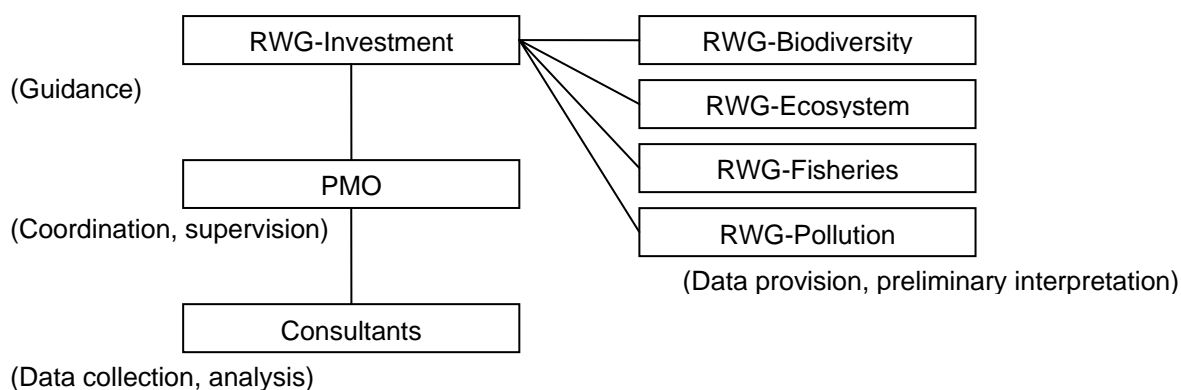


Figure. Implementation Structure of Environmental Valuation

5 Work schedule

Phase I of this work will be carried out from January 2006 through August 2006. The final report will be submitted to and discussed at the 3rd RWG-I meeting. The work schedule of Phase II of this work will be discussed in the 3rd RWG-I meeting.

Implementation steps for Phase I	Time frame
1. Finalisation of theoretical framework	End of December 2005
2. Identify the targeted groups	November/December 2005
3. Identify the process for the targeted groups	February 2006
4. Prepare the methodology for the targeted groups	March 2006
5. Case study	July 2006
6. Repeat steps 3 and 4	August 2006

Annex VIII

Outline of the Strategy for Sustainable Financing

Objectives

Establish foundation for implementation of the Strategic Action Programme (SAP) after approval by the participating countries;

Explore the possibility to establish implementation infrastructure and financial mechanism for the implementation of SAP.

Strategies

- 1 Produce good quality of outcomes/outputs during the project phase to show the usefulness of the project infrastructure
 - Usefulness of the infrastructure established by YSLME
 - Unique roles of YSLME played during the current implementation phase.
- 2 Enhance Regional Co-operation and Co-ordination in the Yellow Sea through expansion of the “Yellow Sea Partnership”, to maximise the benefits of the Project
 - Organisations (in particular APEC)
 - Other participating countries
- 3 Prepare SAP based on the outcomes of the TDA. Certain demonstration/pilot activities will be prepared and implemented to obtain experiences on the implementing SAP.
 - Political willingness and support for specific actions to address specific problem/priorities;
 - Recommendations on legal and institutional reforms that have received political support from the participating governments.
- 4 Prepare Proposal, to UNDP/GEF, on the full implementation of the SAP
 - Secure initial financial support for implementation of SAP;
 - Governments will take over the implementation after GEF funding is secured.
- 5 Approach the governments of participating countries for potential co-financing and roles in sustainability of the project
 - In the case of GEF support for implementation of SAP, governments need to come up with required co-financing resource;
 - In the case of non GEF support, governments need to consider appropriate actions and financial resources to implement the necessary activities.
- 6 Explore the possibilities to have revolving funds for the implementation of SAP
 - Attract financial resources from all possible donors who are interested in the activities identified in the SAP

Annex IX

Workplan for 2005 to 2006

ID	Task Name	Duration	Start	Finish	2005												2006											
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	OBJECTIVE V: DEVELOPMENT OF REGIONAL INSTITUTIONS AND CAPACITIES	1307 days?	Fri 12/31/04	Fri 1/1/10	[Gantt bar]																							
2	VA. Stakeholders	1305 days?	Mon 1/3/05	Thu 12/31/09	[Gantt bar]																							
3	ACT 1: Identify stakeholders and assess their capacities for contributing to environmental management and decision-making	130 days?	Mon 1/2/06	Fri 6/30/06	[Gantt bar]																							
4	Contract to institutions(experts)(Contract Code: _____) Governance Analysis	108 days?	Mon 1/2/06	Wed 5/31/06	[Task bar]																							
5	Produce a regional list (PMO)	22 days?	Thu 6/1/06	Fri 6/30/06	[Task bar]																							
6	ACT 2: Strengthen stakeholder capacities	1034 days?	Mon 1/16/06	Thu 12/31/09	[Gantt bar]																							
7	Prepare training materials for all stakeholders (contract Code: _____)	125 days?	Mon 7/3/06	Fri 12/22/06	[Task bar]																							
8	Training for decision makers (Training 1)	22 days?	Tue 1/2/07	Wed 1/31/07	[Task bar]																							
9	Training for community trainers (Training 2)	22 days?	Thu 3/1/07	Fri 3/30/07	[Task bar]																							
10	Training for local governmental officers (Training 3)	20 days?	Thu 2/1/07	Wed 2/28/07	[Task bar]																							
11	Intern programme	1034 days?	Mon 1/16/06	Thu 12/31/09	[Gantt bar]																							
12	The Yellow Sea and Youth	80 days?	Mon 8/7/06	Fri 8/28/09	[Task bar]																							
13	Site visits by government officials	20 days	Mon 8/7/06	Fri 9/1/06	[Task bar]																							
14	ACT 3: Encourage routine and effective involvement of stakeholders in environmental and resource management and decision-making	1305 days?	Mon 1/3/05	Thu 12/31/09	[Gantt bar]																							
15	publish newsletters of the project	1305 days?	Mon 1/3/05	Thu 12/31/09	[Task bar]																							
16	printing newsletters	1305 days?	Mon 1/3/05	Thu 12/31/09	[Task bar]																							
17	regular stakeholders conference (1/yr)	80 days?	Fri 12/1/06	Thu 12/24/09	[Task bar]																							
18	VB. Regional Coordination	1305 days?	Mon 1/3/05	Thu 12/31/09	[Gantt bar]																							
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	[Gantt bar]																							
20	Programme Coordinator	65 days?	Mon 1/3/05	Fri 4/1/05	[Task bar]																							
21	Economist	65 days?	Mon 1/3/05	Fri 4/1/05	[Task bar]																							
22	Scientific Officer	65 days?	Mon 1/3/05	Fri 4/1/05	[Task bar]																							
23	Public Awareness Advisor	65 days?	Mon 1/3/05	Fri 4/1/05	[Task bar]																							
24	Local Staff at PMO:	65 days?	Mon 1/3/05	Fri 4/1/05	[Task bar]																							
25	Secretary	65 days?	Mon 1/3/05	Fri 4/1/05	[Task bar]																							
26	Driver	65 days?	Mon 1/3/05	Fri 4/1/05	[Task bar]																							
27	Administrative Assistant	65 days?	Mon 1/3/05	Fri 4/1/05	[Task bar]																							
28	Administrative Officer	65 days?	Mon 1/3/05	Fri 4/1/05	[Task bar]																							
29	IT Supporting staff	65 days?	Mon 1/3/05	Fri 4/1/05	[Task bar]																							
30	ACT 2: Prepare TDA	281 days?	Mon 1/2/06	Mon 1/29/07	[Gantt bar]																							
31	Review preliminary TDA, and suggest improvements (consultant Code: _____)	20 days?	Mon 1/2/06	Fri 1/27/06	[Task bar]																							
32	Gathering data & info from national review report on the project components (PMO)	152 days?	Wed 2/1/06	Thu 8/31/06	[Task bar]																							
33	Discuss draft, and decide new format (WG meeting 3)	20 days?	Mon 9/4/06	Fri 9/29/06	[Task bar]																							
34	Second draft of TDA (consultant Code: _____)	195 days?	Wed 2/1/06	Tue 10/31/06	[Task bar]																							
35	2nd discussion on the draft (correspondence, and WG meeting 4)	22 days?	Wed 11/1/06	Thu 11/30/06	[Task bar]																							
36	Revise the TDA	239 days?	Mon 1/2/06	Thu 11/30/06	[Task bar]																							
37	Finalise TDA (RSTP, PSC)	16 days?	Fri 12/1/06	Fri 12/22/06	[Task bar]																							
38	Printing the final TDA	20 days?	Tue 1/2/07	Mon 1/29/07	[Task bar]																							
39	Act 3: Prepare Regional SAP	673 days?	Mon 1/2/06	Wed 7/30/08	[Gantt bar]																							
40	Valuation studies for Tourism and Mariculture	174 days	Mon 1/2/06	Thu 8/31/06	[Task bar]																							
41	Prepare a draft regional SAP (consultant Code: _____)	109 days?	Mon 1/1/07	Thu 5/31/07	[Task bar]																							
42	Discuss the draft at the WG meeting	21 days	Fri 6/1/07	Fri 6/29/07	[Task bar]																							
43	Revise the draft SAP & prepare version #2	85 days?	Thu 7/5/07	Wed 10/31/07	[Task bar]																							
44	Discuss version #2	22 days	Thu 11/1/07	Fri 11/30/07	[Task bar]																							
45	Revise the draft SAP, & prepare version #3	109 days?	Tue 1/1/08	Fri 5/30/08	[Task bar]																							
46	Discuss version #3, & finalise the regional SAP (RSTP, PSC)	21 days	Mon 6/2/08	Mon 6/30/08	[Task bar]																							
47	Printing regional SAP	22 days?	Tue 7/1/08	Wed 7/30/08	[Task bar]																							
48	Act 4: Prepare nat'l SAP	284 days?	Tue 1/1/08	Fri 1/30/09	[Gantt bar]																							
49	Assess all national information & prepare for a framework of NYSAP (contract Code: _____)	109 days?	Tue 1/1/08	Fri 5/30/08	[Task bar]																							
50	National meetings-1 on NYSAP	21 days?	Mon 6/2/08	Mon 6/30/08	[Task bar]																							
51	Revise NYSAP	89 days?	Tue 7/1/08	Fri 10/31/08	[Task bar]																							
52	Finalise NYSAP	38 days?	Mon 11/3/08	Wed 12/24/08	[Task bar]																							
53	Print NYSAP	21 days?	Fri 1/2/09	Fri 1/30/09	[Task bar]																							
54	Act 5: Partners of the Yellow Sea	1305 days?	Mon 1/3/05	Thu 12/31/09	[Gantt bar]																							
55	Create partnerships with other organisations and projects	1305 days?	Mon 1/3/05	Thu 12/31/09	[Task bar]																							
56	VC: NATIONAL INSTITUTIONS	1305 days?	Mon 1/3/05	Thu 12/31/09	[Gantt bar]																							
57	ACT 1: Review and assess national institutions to support YSLME	127 days?	Fri 7/1/05	Fri 12/23/05	[Gantt bar]																							
58	Contract to institutions (Contract Code: _____)	87 days?	Fri 7/1/05	Mon 10/31/05	[Task bar]																							
59	Finalise the review report (WG meeting)	39 days	Wed 11/2/05	Fri 12/23/05	[Task bar]																							
60	ACT 2: Facilitate national institutions to be effective stewards of the YSLME	1305 days?	Mon 1/3/05	Thu 12/31/09	[Gantt bar]																							

ID	Task Name	Duration	Start	Finish	2005												2006											
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
61	Enhance communications	1305 days?	Mon 1/3/05	Thu 12/31/09	[Gantt bar]																							
62	Provide technical trainings	125 days?	Mon 7/3/06	Fri 8/14/09	[Gantt bar]																							
63	Seminars for research community	1305 days?	Mon 1/3/05	Thu 12/31/09	[Gantt bar]																							
64	Local project office, Provision of necessary equipment	520 days?	Mon 1/3/05	Thu 12/28/06	[Gantt bar]																							
65	Study tours for govt officials 1/yr (local govt)	30 days?	Mon 5/22/06	Fri 6/30/06	[Gantt bar]																							
66	Act 3: Establish National Coordination Unit within existing framework to assure intersectoral coordination in TDA/NYSAP/SAP process	230 days?	Mon 2/14/05	Thu 12/29/05	[Gantt bar]																							
67	Establish IMCC (meeting to decide)	65 days?	Mon 10/3/05	Thu 12/29/05	[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	425 days?	Tue 5/10/05	Fri 12/22/06	[Gantt bar]																							
73	VD: FINANCIAL INSTRUMENTS	1081 days?	Mon 11/14/05	Fri 1/1/10	[Gantt bar]																							
74	ACT 1: Review status and potential for financial sustainability of YSLME regional institutional framework	130 days?	Mon 1/2/06	Fri 6/30/06	[Gantt bar]																							
75	Contract to institution (contract Code: _____) Governance Analysis	108 days?	Mon 1/2/06	Wed 5/31/06	[Gantt bar]																							
76	Discuss & finalise the review report (RSTP, PSC)	22 days?	Thu 6/1/06	Fri 6/30/06	[Gantt bar]																							
77	ACT 2: Provide training in environmental project identification and preparation	37 days?	Mon 11/14/05	Mon 1/2/06	[Gantt bar]																							
78	Identify the training needs (WG meeting2)	4 days	Mon 11/14/05	Thu 11/17/05	[Gantt bar]																							
79	Training #1 Project document preparation	1 day?	Mon 1/2/06	Mon 1/2/06	[Gantt bar]																							
80	Training #2 Fund raising	1 day?	Mon 1/2/06	Mon 1/2/06	[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	127 days?	Tue 7/1/08	Wed 12/24/08	[Gantt bar]																							
82	Prepare draft proposal (consultant Code: _____)	89 days?	Tue 7/1/08	Fri 10/31/08	[Gantt bar]																							
83	PSC to discuss	38 days	Mon 11/3/08	Wed 12/24/08	[Gantt bar]																							
84	ACT 4: Provide matched fund for small grant project	1 day?	Mon 1/2/06	Mon 1/2/06	[Gantt bar]																							
85	Identify the topics of small grant project (PMO)	1 day?	Mon 1/2/06	Mon 1/2/06	[Gantt bar]																							
86	Provide matched funds for the approved projects (contracts Code: _____)	1 day?	Mon 1/2/06	Mon 1/2/06	[Gantt bar]																							
87	Matched grants	1 day?	Mon 1/2/06	Mon 1/2/06	[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)	394 days?	Tue 7/1/08	Fri 1/1/10	[Gantt bar]																							
89	Prepare pre-feasibility studies (consultant Code: _____)	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 Code: _____)	262 days?	Thu 1/1/09	Fri 1/1/10	[Gantt bar]																							
93	VE: DATA AND INFORMATION MANAGEMENT	1307 days?	Fri 12/31/04	Fri 1/1/10	[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 Code: _____)	129 days?	Mon 1/3/05	Thu 6/30/05	[Gantt bar]																							
96	Prepare a proposal for DIM (consultant Code: _____)	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	1307 days?	Fri 12/31/04	Fri 1/1/10	[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, RSTP)	25 days	Tue 11/15/05	Sat 12/17/05	[Gantt bar]																							
100	Equipment (GIS software, hardware)	17 days?	Mon 12/19/05	Tue 1/10/06	[Gantt bar]																							
101	Training on DIM	20 days?	Wed 2/1/06	Tue 2/28/06	[Gantt bar]																							
102	Operation of DIM	1003 days?	Wed 3/1/06	Fri 1/1/10	[Gantt bar]																							
103	ACT 3: Implement the regional DIM strategy, including equipment, facilities, and communications	260 days?	Mon 1/1/07	Fri 12/28/07	[Gantt bar]																							
104	To identify sustainable means for the DIM	260 days?	Mon 1/1/07	Fri 12/28/07	[Gantt bar]																							
105	VF: Public Awareness and Participation	1306 days?	Mon 1/3/05	Fri 1/1/10	[Gantt bar]																							
106	ACT 1: Develop a public awareness campaign	251 days?	Mon 1/3/05	Sat 12/17/05	[Gantt bar]																							
107	Preparation of public awareness campaign (PMO)	216 days?	Mon 1/3/05	Mon 10/31/05	[Gantt bar]																							
108	Agree on the campaign (WG meeting 2)	26 days	Mon 11/14/05	Sat 12/17/05	[Gantt bar]																							
109	ACT 2: Demonstrate regional public awareness/participation campaign	1242 days?	Fri 4/1/05	Fri 1/1/10	[Gantt bar]																							
110	Organise public awareness conferences (contracts Code: _____)	1 day	Mon 1/2/06	Mon 1/2/06	[Gantt bar]																							
111	Prepare public awareness materials (Contracts Code: _____)	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	30 days	Tue 8/8/06	Fri 8/31/07	[Gantt bar]																							
114	Provide multi-language information through public media	1242 days?	Fri 4/1/05	Fri 1/1/10	[Gantt bar]																							
115	ACT 3: Encourage ongoing public awareness and participation activities to help achieve the goals of the YSLME	1305 days?	Mon 1/3/05	Thu 12/31/09	[Gantt bar]																							
116		1305 days?	Mon 1/3/05	Thu 12/31/09	[Gantt bar]																							