



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

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English only

**Fourth Meeting of the Regional Scientific and Technical Panel
for the UNDP/GEF Yellow Sea Project**
Guangzhou, China, 26-28 November 2007

Report of the Meeting

TABLE OF CONTENTS

1	OPENING OF THE MEETING	1
1.1	WELCOME ADDRESSES	1
1.2	INTRODUCTION OF THE MEMBERS	2
2	ORGANISATION OF THE MEETING	2
2.1	ELECTION OF OFFICERS	2
2.2	MEETING DOCUMENTS	2
2.3	ORGANISATION OF WORK	2
3	ADOPTION OF THE MEETING AGENDA	2
4	PROJECT MANAGER'S REPORT	3
4.1	IMPLEMENTATION OF PROJECT ACTIVITIES	3
4.2	CO-OPERATION WITH OTHER ORGANISATIONS AND PROJECTS	3
4.3	REPORT ON THE PROJECT MANAGEMENT OFFICE (PMO)	3
4.4	PROJECT'S MID-TERM EVALUATION	3
4.5	FINANCIAL REPORT	3
5	REPORTS OF THE NATIONAL PROJECT CO-ORDINATORS	5
6	REPORT FROM CHAIRPERSONS OF THE REGIONAL WORKING GROUPS	6
6.1	BIODIVERSITY	6
6.2	ECOSYSTEM	6
6.3	FISHERIES	6
6.4	INVESTMENT	6
6.5	POLLUTION	6
7	REGIONAL GOVERNANCE ANALYSIS	10
8	REGIONAL GIS AND META DATABASES	11
9	PREPARATION OF THE STRATEGIC ACTION PROGRAMME (SAP)	11
9.1	PREPARATORY WORK AND SAP FRAMEWORK	11
9.2	PROGRESS-TO-DATE	11
9.3	FUTURE ACTIVITIES TO FINALISE SAP	11
10	CO-OPERATIVE CRUISE	12
11	PARTICIPATION OF DPR KOREA IN YSLME PROJECT	12
12	PROPOSED WORKPLAN AND BUDGET FOR 2008 AND ONWARDS	13
12.1	PROPOSED PROJECT ACTIVITIES	13
12.2	PROPOSED PROJECT BUDGET FOR 2008 AND ONWARDS	13
12.3	PROPOSED WORKPLAN FOR 2008	14
13	OTHER BUSINESS	14
14	DATE AND VENUE OF NEXT RSTP MEETING	14
15	ADOPTION OF THE MEETING REPORT	15
16	CLOSURE OF THE MEETING	15

LIST OF ANNEXES

Annex I	List of Participants
Annex II	List of Documents
Annex III	Agenda
Annex IV	Revised Budget for 2008 and Onwards
Annex V	Workplan for 2008
	List of Acronyms

1 OPENING OF THE MEETING

1.1 Welcome addresses

1. On behalf of UNDP and UNOPS, Mr. Yihang JIANG, Project Manager, welcomed all participants to the meeting in Guangzhou, China, and described the work that awaited the members of the 4th RSTP Meeting. Mr. Jiang mentioned that this year's meeting includes participants from China, Republic of Korea (ROK), and Democratic People's Republic of Korea (DPRK) as observer. He thanked all participants for their contribution to project implementation, since the last meeting, which resulted in substantive progress of the project. He also thanked the SOA South China Sea Branch for local organisation of this year's meeting.
2. Mr. Jiang also informed the meeting that the project had undergone its mid-term evaluation earlier this year. The RSTP would need to discuss the plan of work for the next year, considering that budget had been increased for SAP demonstration activities. Mr. Jiang emphasised that next year is a critical period for the project, as it would need to start planning the 2nd phase, and consider the recommendations of the MTE and regional governance analysis, which include, amongst others, the establishment of the Yellow Sea Commission (also known as YSLME Commission).
3. On behalf of the Government of China and National Project Co-ordinator (NPC) for China, Mr. Fengkui LIANG welcomed all participants to Guangzhou. He thanked all scientists for their efforts which have allowed the project to make great progress and achievements such as the TDA, SAP, finalisation of management actions, and the co-operative cruise. Mr. Liang noted that with effective management of PMO, the project had smoothly moved to a new phase to develop the SAP, which is one of the most important tasks during these 2 years. Finally, Mr. Liang wished everyone a pleasant stay and full success for the meeting.
4. On behalf of the delegation of ROK, Mr. Hyung Tack HUH, the NPC of ROK, welcomed all participants to the meeting, and thanked SOA for hosting the meeting, and the PMO for organising the meeting. Mr. Huh noted that the project had been implemented quite successfully since its inception, with the current year seeing the SAP development well on its way with *Ad-hoc* and drafting groups established, and management actions finalised. The NSAP, feasibility studies, and demonstration activities were also ready for implementation. Mr. Huh also noted that the co-operative cruise showed the genuine co-operative spirit of China and ROK. Finally, Mr. Huh commended the RWG Chairpersons and all scientists for their contribution to the project, and wished the meeting a successful and fruitful outcome.
5. Mr. Chol NAM, on behalf of the delegation of DPRK, expressed his gratitude to all participants for their encouragement on DPRK's involvement in the project. He thanked the Project Manager for facilitating the process for DPRK to explore possible ways to be involved in the project. His delegation's participation at the meeting would provide a better understanding of the project for DPRK's future participation. Mr. Nam wished the meeting would be a milestone for DPRK's future participation.
6. On behalf of NOWPAP, Mr. Xiaodong ZHONG thanked the PMO and SOA for inviting NOWPAP to the meeting. He informed the meeting that NOWPAP and YSLME had co-operated in various activities and workshops, and expressed his confidence that the co-operation will continue.
7. On behalf of WWF-China Programme Office, Mr. Songlin WANG stated that the YSESP Project sought to better understand the development of YSLME in order to

tailor the YSESP to be more complementary to YSLME. Mr. Wang wished the meeting full success.

1.2 Introduction of the members

8. Participants introduced themselves and the organisations that they represent. A list of participants is included as [Annex I](#) to this report.

2 ORGANISATION OF THE MEETING

2.1 Election of Officers

9. Mr. Liang nominated Mr. Mingyuan ZHU to serve as the Chairperson. Participants agreed to the nomination, and Mr. Zhu was duly elected as Chairperson. Mr. Huh nominated Mr. Sinjae YOO as Vice-Chairperson. The Meeting agreed, and Mr. Yoo was duly elected as Vice-Chairperson.
10. The PMO served as Secretariat to the Meeting.

2.2 Meeting Documents

11. The Chairperson invited the PMO to introduce the documents prepared for the meeting.
12. Ms. Connie CHIANG explained the “Working and Information Documents” that need to be considered by the meeting.
13. The meeting took note of the list of documents, which is attached as [Annex II](#).

2.3 Organisation of Work

14. Ms. Chiang introduced the proposed working programme for the meeting, and provided information about the organisation of the meeting.
15. **The meeting agreed on the working programme proposed by the PMO, noting that it would be flexible depending on the time needed for each agenda item.** The meeting was organised in plenary and sessional working groups were formed for specific issues.
16. The Meeting was conducted in English.

3 ADOPTION OF THE MEETING AGENDA

17. The Chairperson invited participants to consider the Provisional Agenda (UNDP/GEF/YS/RSP.4/1) and Provisional Annotated Agenda (UNDP/GEF/YS/RSP.4/2), and to propose any amendments.
18. Mr. Jiang informed the meeting that the MTE results would be reported under the PM report. **The participants agreed that the MTE should be its own sub-agenda, and would be discussed before the Project Manager gives the financial report.**
19. The Members adopted the agenda, with the above modification, and is attached as [Annex III](#) to this report.

4 PROJECT MANAGER'S REPORT

- 4.1 Implementation of Project Activities**
- 4.2 Co-operation with other Organisations and Projects**
- 4.3 Report on the Project Management Office (PMO)**
- 4.4 Project's Mid-term Evaluation**
- 4.5 Financial Report**

IMPLEMENTATION OF PROJECT ACTIVITIES AND CO-OPERATION WITH OTHER ORGANISATIONS AND PROJECTS

20. Referring to Document UNDP/GEF/YS/RSP.4/4, Mr. Jiang presented the Project Manager's report, highlighting some of the major achievements over the past year which are the outputs and outcomes of the project, including:

- Enhanced co-operation mechanisms;
- Increased trust for better co-operation;
- Improved knowledge on Yellow Sea ecosystem;
- Preparation of major outputs;
- Increased public awareness;
- Strengthened regional partnerships; and
- Improved management for future operation.

21. Mr. Jiang gave further details about each achievement as follows:

- He informed the meeting that economic valuation guidelines had been drafted, as well as the regional governance analysis which recommends the setting up of a YSLME Commission.
- The "Regional Conference on Protection of the Marine Environment and Sustainable Use of Marine Resources in the Yellow Sea" strengthened regional co-operation, and examined the establishment of a mechanism for more regular meetings of this kind through parliamentary committees.
- Consideration of funding for the project's 2nd phase had begun, with China and ROK considering how each government can contribute additional resources.
- The ocean colour algorithm activity was a good example of increased regional co-operation with the sharing of data among China, ROK, and Japan.
- The project's databases will be linked to other existing ones in the region, with data exchange allowed.
- Initial agreement was reached on the technical issues related to the co-operative cruises.
- The Regional Science Conference held in August 2007 displayed new and improved knowledge on the Yellow Sea ecosystem, e.g. jellyfish bloom, mariculture diseases, atmospheric deposition of pollutants, mariculture carrying capacity, genetic diversity to prevent disease outbreak, results of the CPR survey with ship time contributed by China, inter-comparison exercises for analysis of nutrients, metals, and organics. These knowledge provided important information for preparing SAP and to design demonstration activities.
- Major outputs of the project included the publication of the "Data & Information Activity results, and publication of the TDA.

- SAP preparation had started, with some feasibility studies done and management targets and actions agreed on. A cost-benefit analysis, political & social acceptance analysis, and 3 drafting group meetings would be held in 2008.
- During 2007, public awareness programmes included a youth awareness programme held in Dandong, China, contributing to the idea of a possible future 3-country youth programme; a capacity building activity for local government officers on marine function zoning and sea use; and the continuation of the Yellow Sea Partnership with joint activities carried out in Busan, ROK and Rizhao, China.
- Regional partnership was strengthened with the YSESP Project through the development of a joint workplan and agreement on co-implementing common activities in conservation of biologic diversity.
- A mid-term evaluation and internal audit gave satisfactory results for project implementation and some recommendations that will help improve project management.
- The PMO continued to issue quarterly newsletters to update the public on project implementation.

22. Some challenges to project implementation were mentioned, *inter alia*:

- Although additional stakeholders (universities, local govt agencies) were now involved in the project, there is still a need to strengthen the IMCC, as SAP approval is approaching.
- Occasional changes in NWG and RWG members still occurred although this had improved somewhat.
- Lack of institutional incentives remains as a challenge, and reporting on co-financing resources from countries was still weak.
- While respect for deadlines, follow-up on actions/agreements from meetings, quality of outputs, and communication between PMO and partners had improved since project inception, there is still room for further progress. The same applied to building trust among partners.

REPORT ON THE PROJECT MANAGEMENT OFFICE (PMO)

23. Mr. Jiang thanked KORDI for providing a larger office space for the PMO this year. A new programme officer for fisheries and biodiversity components was hired; two interns completed their tenure with the PMO; and 2 new interns have recently joined the PMO.

FINANCIAL REPORT

24. Mr. Jiang explained the 2007 Expenditure Report with and without the co-operative cruises. He explained the rate of spending, activity implementation, and that some savings resulted from the combination / revision of activities.

PROJECT'S MID-TERM EVALUATION

25. Mr. Jiang informed the meeting that the MTE Report stated that the project's progress and achievements were very satisfactory. The report gave special mention to some results such as stock assessment, co-operation with YSESP, Ocean Colour algorithm, Cost/Benefit Analysis, and the Public Awareness Strategy. The achievement of planned objectives confirmed that the project is moving in the right

direction with the TDA completed and SAP started, and the Project Document's expectations reasonably met.

26. Attainment of outputs and activities are mostly well underway; sustainability is difficult to gauge, but plans for the project's future have been discussed; stakeholder participation sometimes was weak due to national realities, but PMO had made efforts to engage more stakeholder involvement; project implementation approach was done well; financial planning with the use of local/regional expertise was commended. The MTE report also listed recommendations for technical and management issues. The report is available from the PMO.
27. Following the Project Manger's report, Mr. Liang gave his congratulatory remarks, thanking the PMO for providing a comprehensive and informative report. He stated that China was satisfied with the excellent job carried out by the PMO, and noted some of the successful activities implemented in 2007. Regarding the MTE, he stated his agreement with the report's findings that the project had been implemented efficiently and effectively. Mr. Liang was confident that the project would be able to fulfil all its objectives by applying the helpful suggestions from the MTE report. Finally, he emphasised that DPRK's involvement would be an exemplary achievement of the project.
28. Mr. Huh joined China in congratulating the Project Manger and PMO on successful project implementation. He stated that all could see that the project continues to be well-managed and implemented with many achievements. While some setbacks have occurred, they have been solved. Finally, Mr. Huh commended the Project Manger on well-managing the project, and looked forward to seeing additional fruitful results such as a successful SAP.
29. Participants gave their feedback on the PM report:
 - Mr. Quan WEN noted that many activities, workshops, and meetings were successfully convened, and stated his satisfaction with project implementation.
 - Mr. Zhu remarked that the project had progressed very well.
30. Following the comments from the participants, the meeting adopted the report.

5 REPORTS OF THE NATIONAL PROJECT CO-ORDINATORS

31. The NPCs from China and ROK presented their reports (UNDP/GEF/YS/RSP.4/5a-b) on the implementation of project activities at national level covering:
 - Activities accomplished in 2007;
 - Results and achievements;
 - Difficulties/problems encountered in project implementation; and
 - Suggestions for future work.
32. Mr. Liang summarised that China had co-ordinated Chinese participants' involvement in various project activities, promoted the involvement of local governments, and continued with co-ordinating the co-operative study cruises. Mr. Liang highlighted that a national SAP expert group had been established, and had held a domestic meeting in March 2007. Local government agencies had applied for the Small Grants Programme (SGP) to enhance stakeholder participation.

33. Mr. Liang felt that there was a need for better co-ordination among ministries for SAP approval, and more consultations with stakeholders should be carried out. He emphasised the need for continued efforts to draft and finalise the SAP. Enhancement of local government interest through trainings, Small Grants Programme, and youth public awareness programmes should also continue.
34. Mr. Jiang commented that in the past year, the NPC of China had helped the project substantively on various fronts. There was a change in the NPC, but national co-ordination was not negatively impacted by the change, illustrating that co-ordination at national level was well-established. Local government participation had increased greatly in YSLME and also in the YSESP Project. On behalf of PMO, Mr. Jiang expressed his appreciation to all staff that helped with project implementation and felt that the NSAP would be successfully accomplished with the continued involvement of local government agencies.
35. Mr. Huh reported on the activities related to SAP, co-operative cruises, and 4th RWG meetings. He gave some details on the various activities in which ROK scientists had participated, and stated that some university professors were now members of RWGs. Mr. Huh highlighted the completion of data and information activity reports, cruise sample sharing, and agreement on management targets and actions.
36. Mr. Huh notified the meeting that more expertise and funding are needed for SAP and NSAP finalisation. He also mentioned some difficulties in nominating delegation members and a need for more government agencies' involvement.
37. On behalf of the PMO, Mr. Jiang expressed his appreciation to the Governments of China and ROK for their continuing assistance with project implementation. He noted the difference in national co-ordination between China and ROK, and expressed his gratitude to Dr. Huh who had expended great effort to overcome difficulties in project implementation without the support of a national co-ordinating office.
38. The Chairperson thanked the NPCs for their national co-ordination efforts, and expressed his confidence that the SAP finalisation at regional and national levels would be successfully completed.
39. Participants noted the information provided by the NPCs.

6 REPORT FROM CHAIRPERSONS OF THE REGIONAL WORKING GROUPS

- 6.1 Biodiversity**
- 6.2 Ecosystem**
- 6.3 Fisheries**
- 6.4 Investment**
- 6.5 Pollution**

40. The RWG Chairpersons were invited to give presentations on the outcomes from their respective RWG's activities (UNDP/GEF/YS/RSP.4/6a-e) and implementation of project activities in their respective components. The Chairpersons mentioned:
 - Activities implemented in 2007;
 - Suggested future activities;
 - Potential SAP demonstration activities; and

- Some limitations with project implementation.
41. All Chairpersons reported on their group's contribution to SAP development – the management targets, actions, and proposed demonstration activities – and agreements from the 4th RWG Meetings.
 42. Additional details and discussion following each presentation is described below.

Biodiversity

43. Ms. Young-Shil KANG summarised the outcomes from the 4th RWG-B Meeting held in September 2007, and also mentioned that a gene pool workshop was convened to discuss current status of genetic diversity research and management and protection of genetic diversity. The workshop participants suggested to link genetic diversity information on-line, and implement an activity on genetic diversity of restocking Chinese fleshy shrimp, working with ROK and Chinese scientists.
44. Mr. Jiang commended Ms. Kang in successfully taking over the Chairpersonship of the RWG-B with effective activity implementation. He then went on to mention that the RWG-B is working closely with YSESP in preparing a logical framework to guide both project's similar activities. Mr. Mark WALTON was invited to give a brief overview on the development of the framework, and informed the meeting on how to select the habitats for protection, based on criteria related to the types, sizes and management schemes. He provided some details on the data requirements in order to assess the success of habitat management and protection.
45. The PMO showed the joint workplan of YSLME and YSESP, while Mr. Jiang provided further explanation on co-ordinating with other existing regional wetland/biodiversity projects that could help strengthen all relevant projects' implementation.
46. Mr. Songlin WANG clarified that the previous YSEPP Project considered only biological factors to select the critical habitats. This final approach would build upon the information in hand, and also consider policy issues such as marine functional zoning.
47. Mr. Quan WEN expressed RWG-P's desire to work together on some demonstration activities to show the effects of pollutant reduction on biodiversity health. The chairpersons of RWG-P and RWG-B were asked to discuss further with each other how to develop such an activity and report back to the plenary after all RWG Chairpersons' reports were presented.

Ecosystem

48. Mr. Yoo reported on the activities of CPR survey, ocean colour, and issues and questions arising from the presentations of the 1st RSC (Cold Water Mass, effects of climate change, YS Warm Current, jellyfish bloom, energy flows in lower trophic levels, food web interaction, basin-wide monitoring). He informed the meeting that it was not possible to directly relate the group's issues to SAP's theme of ecosystem services, and that there is a need for more basin-scale information to assess and predict ecosystem status. The upcoming activity on primary productivity estimation to develop a regional primary productivity algorithm for long-term use was introduced, and highlighted as a possible YSLME contribution to other areas in the Western Pacific region. The expansion of the OC activity to include other scientists would be explored at the final OC Workshop in January 2008.

49. Mr. Yoo suggested that one of the most important goals of the co-operative cruises should be publication of scientific reports and papers. He recommended that future support for annual workshops on OC algorithm development/validation should be considered. He also emphasised that the goals of the cruises should also include assessment of the state of pollution, assessment of the current status of YS ecosystem change with respect to major environmental changes, and conducting inter-comparison of China and ROK's data.
50. Mr. Yoo clarified that the proposed demonstration activity on monitoring jellyfish bloom would observe only the species that cause problems. Mr. Jiang suggested that reporting cruise results could be handled in instalments, and was pleased to see that the OC activity would try to include other OC scientists in the region.

Fisheries

51. Mr. Xianshi JIN informed the meeting on suggested new activities. As the fisheries component in the co-operative cruises was not yet approved, the RWG-F had decided to use the funds for an activity to harmonise stock assessment methods through a series of national surveys and expert consultations. The first survey requests budget from the project while the 2nd cruise would be carried out depending on available budget, or might reduce the number of cruise days.
52. Other activities such as young scientist exchange programme and a regional mariculture conference addressing disease, technology to reduce environment stress, and ecosystem-based management were introduced.
53. Mr. Wen requested sharing samples to analyse pollutants in fish tissues, and Mr. Yoo wished to know what non-biological variables would be sampled. Mr. Jin replied that the details of the activity and budget had to be finalised, and no immediate response to the questions were given.
54. Mr. Jiang stated that there were proposed SAP demonstration activities using cost-benefit analysis to assess the effectiveness of some management actions, e.g. boat buy-back programme.

Investment

55. Mr. Mingyuan Zhu gave an overview of this component's many activities. He alerted participants to the following recommendations from the 4th RWG-I Meeting:
 - Continue Small Grant Programme in 2008 if budget is available.
 - Consider the six-month extension of the project to 2010 (transition phase) in order to prepare for the project's 2nd phase, i.e. SAP implementation.
 - Improve the GIS and meta databases, including the administrative boundary of the base map.
 - The databases need a mirror site in ROK, with KORDI expressing willingness to host this.
 - The DIM training workshop should be replaced by a technical workshop to discuss how to improve of the databases.
 - The "Regional Governance Analysis Report" recommended the establishment of a YSLME Commission.
 - Increase the budget for SAP and NSAP preparation.

56. There was extensive discussion and questions on the continuation of the SGP, with some participants asking about the relationship between SGP and SAP demonstration and also about the budget. Some participants suggested that the SGP should be closely tied to SAP demonstration activities.
57. Mr. Jiang explained that budget for new activities should be allocated if the activity is deemed to be useful. Mr. Jiang also reminded participants that the objective of the SGP is to provide additional funding opportunities for stakeholders that do not have easy access to financial resources. He also reiterated that the SAP requires proper involvement of all stakeholders, and the SGP is relevant in that it allows other stakeholders to be involved in the project. The SGP would provide an opportunity for NGOs to be involved in the project, as the project is currently unbalanced with mostly scientist's participation.
58. **Following the discussion and explanation, the Meeting agreed to recommend to PSC to extend the SGP for another year, given enough funds. The Meeting also requested the PMO to come up with the theme for the next SGP.**
59. Regarding extending the project for a transition phase, Mr. Jiang explained that GEF's 5th funding replenishment will start in July 2010, thus creating a 6 month gap before the project can start its 2nd phase. He also explained that a no-cost extension of the project for 6 months would more likely result in a smoother transition to Phase 2 with stable project staff. However, the GEF's decision cannot be immediately made known, as the 2nd phase funding will be considered by GEF Council later. The current information is that while the IW portfolio funding will be reduced, the information given to the Project Manager during IW4 Conference was positive for the project's 2nd phase. It is necessary to plan now for Phase 2.
60. Ms. Anna TENGBERG assured the meeting that there would be GEF resources for Phase 2, but might be of a slightly different nature, as the GEF's new direction will concentrate on multi-focal areas projects. Thus, the project might have to draw resources from other GEF focal areas in addition to IW. Ms. Tengberg suggested to tailor phase 2 as an integrated and multi-sectoral project.
61. Finally, Mr. Jiang informed the meeting that ROK would no longer be eligible for GEF funding in Phase 2, according to its current status, but China and DPRK would still be eligible. Regarding the concern on inadequate funds, Mr. Jiang enlightened the meeting that GEF provides only incremental funds to solve transboundary environmental problems, and that countries should provide co-financing.
62. **The Meeting agreed to recommend to PSC to consider having a 6-month project transition phase in 2010.**

Pollution

63. Mr. Quan WEN gave a detailed explanation of the results from the nutrients, metals, and organics inter-calibration exercises. KORDI and NMEMC returned good results which gives confidence that the co-operative cruises samples will be properly analysed by these institutes. Mr. Wen and Mr. Dong-Beom YANG ensured that QA/QC procedures would be properly followed; therefore, there should not be any problems with the results. In addition, samples from 5 stations would be used for inter-comparison.

Cross Component Issues

64. Ms. Kang reported on the results of the discussion with Mr. Wen and Mr. Yang to implement a cross component demonstration activity. It was suggested that the management action to demonstrate would be to reduce pollution in and around critical habitats with the following actions:
- Control total quantity of pollutants discharge;
 - Share the data of pollutants in/around critical habitats;
 - Provide an assessment on the pollution problems in/around critical habitats; and
 - Monitor and assess the critical habitats / share data and information between the two working groups.
65. At this time, the meeting felt that this cross-component activity was worth considering for implementation.
66. Mr. Jiang reported to the meeting that the PMO was aware of the view of some that there were too many meetings; however, the budget portion for activities is still much higher than for meetings. Sometimes it is impossible to avoid meetings in order to reach agreement on certain issues. Meetings may also provide guidance for implementation, e.g. the RSC was the catalyst for RWG-E to propose a demonstration activity on jellyfish monitoring. In 2007, only 9% of the total budget was used for meetings, and the portion for 2008 is 4%.
67. **Participants noted the information provided by the RWG Chairpersons, and agreed on the recommendations raised by them for this meeting to decide on. All previous decisions were already made in each project component.**

7 REGIONAL GOVERNANCE ANALYSIS

68. On behalf of Mr. Suh-Yong CHUNG, expert for regional governance analysis, Mr. Jiang presented the draft final report of "Regional Governance Analysis," including governance issues that cause YS environmental problems, the analysis of legal, political, social, cultural, and historical factors influencing the attitudes of stakeholders, the analysis of international organisations where the result was that YSLME & NOWPAP are the most relevant international co-operative mechanism available.
69. Mr. Jiang reiterated the report's recommendation to establish a YSLME Commission that would be a soft, non-legally binding institution, as it would not be feasible to create a treaty-based agreement at this time. A 2-stage approach for the Commission was suggested: 1) a GEF-funded Commission from 2010-2015; and 2) a self sustainable Commission from 2016-2020. The Commission would guide SAP implementation.
70. As no details were given for the composition of the Commission, participants suggested that other LME project's commission could be examples to draw upon.
71. **The Meeting agreed with the suggestion from the "Regional Governance Analysis" on the establishment of the YSLME Commission.**

8 REGIONAL GIS AND META DATABASES

72. Mr. Jiang presented the progress of the databases as reported to the 4th RWG-I Meeting by CKJORC. He explained the activity's progress, database structure, and showed the GIS base map. He indicated that the GIS and meta databases will serve as regional data and information sources for the Yellow Sea. The databases will link with other international and regional databases, and download relevant data. If the operation and maintenance of the databases are carried out in an appropriate way, it is expected that users will receive good services from the databases. The question still remained on where the mirror site should be located, and the answer would be provided to the project at a later stage, by the ROK NPC.
73. Mr. Zhong informed the participants that NOWPAP was establishing a database that would be linkable to YSLME's. NOWPAP was also interested in collaborating with the technical workshop on data management. Mr. Jiang responded that during the development of the GIS and meta databases, the activities of the NOWPAP's DIN/RAC was fully noted. Good co-operation and co-ordination between the two systems would certainly provide benefits to the countries in the region. He welcomed NOWPAP to collaborate in organising the technical meeting for improving the databases.
74. **The meeting agreed with the recommendations of the RWG-I regarding the activities relevant to the databases.**

9 PREPARATION OF THE STRATEGIC ACTION PROGRAMME (SAP)

9.1 Preparatory Work and SAP Framework

9.2 Progress-to-date

9.3 Future Activities to Finalise SAP

75. Mr. Jiang summarised the progress of SAP development (Document UNDP/GEF/YS/RSP.4/8), informing the meeting of the progress of SAP development:
- targets were identified, and actions finalised;
 - a draft SAP structure was proposed and approved by the RWG-I;
 - a draft structure for NSAP was prepared by PMO; and
 - the remaining activities and timeline to finalise the SAP and NSAP was proposed.
76. Additional information included: the drafting group members will be contracted to write the SAP and meet three times to finalise the SAP; SAP implementation should be undertaken by all stakeholders; NSAP will be co-ordinated by the NPCs and the schedule for these actions should be decided nationally.
77. Mr. Huh suggested that NSAPs should be prepared at the same time as SAP with some lag time, as NSAP would draw upon the contents of the regional SAP.
78. Ms. Tengberg noted that the draft SAP had a nice framework of ecosystem approach encompassing other factors, and is positive for GEF future funding, as different sectors will be represented and involved in implementation. In other words, this approach will facilitate accessing GEF funds for SAP implementation.

79. **The meeting agreed on the draft SAP structure, understanding that the structure might be improved by the drafting group.**

80. **The meeting also agreed on the proposed actions and timeline, and will submit these to the PSC for approval.**

10 CO-OPERATIVE CRUISE

81. Mr. Jiang explained Document UNDP/GEF/YS/RSP.4/9 relevant to the progress of the co-operative cruises. He informed the meeting that a preliminary agreement had been reached and the final approval was expected soon. All data and samples for the co-operative cruises would be fully shared. The 4th Cruise Technical Meeting was held prior to this meeting where technical details were discussed. Agreement was reached on:

- Sampling variables;
- Number of scientists that will be on board;
- Sampling and analytical methodologies;
- Submission of data and preliminary analysis by May 2008;
- Synthesis workshop and summer cruise planning workshop will be held at the same time in June/July 2008; and
- Summer cruise will be held in August 2008.

82. Highlights of agreements included *inter alia*: 37 observation stations for sampling physical, chemical, and biochemical variables to sample; 27 benthos stations; 3 gravity coring stations; SOA's North Sea Branch will give a final cruise map; delegation of responsibilities for each scientist; dates of the 2008 winter cruise for 22 days starting on 5 Jan. 2008; publication of cruise results will be considered after both cruises are completed.

83. Mr. Jiang alerted the meeting that the total budget had been increased because of an increased workload with more analyses to be carried out. He emphasised that the financial arrangements for each contract urgently needed to be finalised. Finally, Mr. Jiang explained that the government's approval documents will ensure the transfer of samples from China to ROK for analysis.

84. **The meeting agreed on the outcomes of the technical meeting for the co-operative cruise, and will forward them to the PSC for approval.**

11 PARTICIPATION OF DPR KOREA IN YSLME PROJECT

85. Mr. Jiang gave more information in addition to Document UNDP/GEF/YS/RSP.4/10 concerning the historical events related to DPRK's participation in the project, including the background, agreed actions from the PSC to advance this issue, the current status, and planned activities for DPRK (capacity building on environmental pollution monitoring and assessment; training of scientists and young students; finding financial resources; and attendance at 4th RSTP and PSC Meetings). He thanked Mr. Nam for facilitating the visit of Project Manager and the SOA official to DPRK in 2005 to explain the project to SHMA.

86. Mr. Jiang reiterated that the MTE Report stated that DPRK's involvement in the project would be a valuable contribution to a more complete understanding and

better management of the Yellow Sea. He reminded participants that a medium sized project proposal had been submitted to GEF to seek funds for implementing activities related to YSLME in DPRK. The response received from GEF was that when UNDP resumes operation in DPRK, it might be possible to fund the MSP.

87. Ms. Tengberg from UNDP/GEF updated the meeting that GEF had allocated funding for DPRK under the GEF's biodiversity and climate change focal areas resource allocation frameworks. As these funds had not yet been used, and because DPRK is eligible for GEF funding, it was probable that GEF funding would be available to support DPRK's participation in the project once UNDP resumes operation in DPRK.
88. In response to the information provided, Mr. Nam stated that although DPRK's joining the project had not yet materialised, there is still a high interest in joining the project, and contributing to protection of marine resources and solving problems of the oceanographical research activities. He hoped the PSC meeting would take the necessary actions to approve DPRK's participation.
89. The meeting suggested to the PSC that the YSLME Project should welcome the participation of DPRK in the project. For the financial arrangements of DPRK's involvement, there is a need to explore all possible sources such as the MSP proposal that PMO already submitted to GEF and funding raised from other sources.

12 PROPOSED WORKPLAN AND BUDGET FOR 2008 AND ONWARDS

12.1 Proposed Project Activities

90. Mr. Jiang explained that the proposed activities and budget for next year were based on the outcomes of the 4th round of RWG Meetings.

12.2 Proposed Project Budget for 2008 and Onwards

91. Mr. Jiang explained the revised budget for 2008 to 2009 (Document UNDP/GEF/YS/RSP.4/11), showing the increase in budget for activities for every component, NSAP, and economic valuation. These funds were allocated from savings of completed activities and some unused contingency funds. He also mentioned that the revised budget did not include funds for the transition phase. Should the PSC approve the transition phase, then savings and some contingency funds would be used for this.
92. The first discussion revolved around the issue of needing funds for the pollution-biodiversity cross-component demonstration activity, which also touched upon the allocation of funds for all proposed activities. This led to extensive questions and voicing of opinions on the focus of demonstration activities, with some participants expressing the view that these activities should be integrated across all project components.
93. Mr. Jiang explained that every RWG had proposed and prioritised demonstration activities. If it was felt that certain activities required more funds, then the lower priority activities could be deleted or could allocate some of the listed funds to higher priority activities. Again, the current revised budget had been prepared based on the outcomes of the 4th RWG meetings.
94. The RWG Chairpersons formed a working group to try and resolve this issue; it was suggested that integration of relevant project demonstration activities should be

considered after having clear ideas on the design and implementation of the demonstration activities.

95. **Due to the practicalities and timeline to implement these activities, the PMO suggested that it would draft the TORs for the possible integrated demonstration activities, in consultation with the RWG Chairpersons. The meeting agreed with this suggestion and entrusted the PMO to proceed along this direction.**
96. The second topic that met extensive discussion was the request from ROK to increase the budget for NSAP, as it was felt that the budget for SAP and NSAP was inadequate.
97. Mr. Jiang explained that the PMO had followed the recommendation from the 4th RWG-I to increase budget for NSAP from the original allocation. If this was still not enough, the meeting was welcome to suggest a new figure.
98. Mr. Jiang repeated that NGOs and other stakeholder participation in the project is very important, but the budget for them has always been low. The MTE report stated this as a weak point of the project. He reminded all project members to pay more attention to this issue.
99. The meeting requested the PMO to increase the NSAP budget for both NSAPs. The PMO managed to allocate additional funds for this activity. **PMO provided the revised budget, which was accepted by the meeting.**
100. **The meeting also agreed to explore the possibility to provide funds of not more than USD 10,000 for more OC meetings in 2008.**
101. **Following clarifications given by PMO on participants' queries, the meeting accepted the budget with the increase for NSAP. The agreed revised budget is attached as Annex IV, and will be forwarded to the PSC for approval.**

12.3 Proposed Workplan for 2008

102. The Chairperson invited participants to refer to Document UNDP/GEF/YS/RSP.4/12, and pointed out that the workplans were the outcomes of the 4th RWG meetings.
103. **The Meeting reviewed the workplans and agreed to submit them as listed, to the PSC for approval (Annex V).**

13 OTHER BUSINESS

104. The Chairperson opened the floor for participants to raise other issues to discuss. Participants did not raise any other issues.

14 DATE AND VENUE OF NEXT RSTP MEETING

105. The meeting deferred the decision for this agenda to the 4th PSC Meeting.

15 ADOPTION OF THE MEETING REPORT

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

16 CLOSURE OF THE MEETING

107. Mr. Liang stated that he was glad to have joined the RSTP Meeting for the first time, and to see that the project was being implemented smoothly. The frank discussions allowed the meeting objectives to be met. The Chairperson was thanked for guiding the meeting to its successful conclusion.
108. Mr. Huh thanked the PMO and Chairperson for their hard work in organising the meeting to reach its productive end.
109. Mr. Nam expressed that his delegation had accomplished its purpose in attending the meeting, and can now better understand the project and its future directions. He hoped that the recommendations from this meeting would be approved by the PSC.
110. Mr. Zhong was grateful to the Chairperson for his wise guidance during the meeting. Mr. Zhong stated that NOWPAP would continue to collaborate with YSLME, to provide benefits to both parties. He thanked SOA and its South Sea Branch for providing very nice meeting facilities.
111. On behalf of the Project Manager and the PMO, Ms. Chiang thanked all participants and the Chairperson for their contribution to the project during the past year, without which the project would be unable to arrive at its current status. She was sure that the continued contribution would enable the project to meet its next milestone to complete the SAP. Ms. Chiang thanked Mr. Yuanzhang CHEN, SOA South Sea Branch, for his excellent and detailed arrangements of the meeting.
112. On behalf of UNDP/GEF, Ms. Tengberg stated that her participation was a great learning experience about the project. The open discussions and high level of scientific knowledge was impressive, and Ms. Tengberg hoped to see the project continues with a 2nd phase.
113. The Chairperson thanked the ROK, DPRK, Chinese delegations, local government representative and all participants for their active participation in the meeting. He wished to see DPRK become full members in the project very soon. Finally, the local host was thanked for the excellent meeting arrangements.
114. Following the closing remarks, the Chairperson declared the Meeting closed at 16:55 on 28th November 2007.

Annex I

List of Participants

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Annex II

List of Documents

Working Documents

UNDP/GEF/YS/RSP.4/1	Provisional Agenda
UNDP/GEF/YS/RSP.4/2 rev.1	Provisional Annotated Agenda
UNDP/GEF/YS/RSP.4/3	Report of the Meeting (<i>to be prepared at the meeting</i>)
UNDP/GEF/YS/RSP.4/4	Project Manager's Report on 2007 Project Implementation
UNDP/GEF/YS/RSP.4/5a-b	National Project Co-ordinators' Reports
UNDP/GEF/YS/RSP.4/6a-e	Regional Working Group Chairpersons' Reports
UNDP/GEF/YS/RGA Final Draft	Final Draft of the Regional Governance Analysis
UNDP/GEF/YS/RSP.4/7	Report of GIS and Meta Databases Operation and Maintenance
UNDP/GEF/YS/RSP.4/8	Progress of SAP Development
UNDP/GEF/YS/RSP.4/9	Preparation Progress for the Co-operative Study Cruise
UNDP/GEF/YS/RSP.4/10	DPRK's Involvement in the Project
UNDP/GEF/YS/RSP.4/11	Proposed Budget for 2008 and Onwards
UNDP/GEF/YS/RSP.4/12	Proposed Workplan for 2008

Information Documents

UNDP/GEF/YS/RSP.4/inf.1 rev.2	Provisional List of Documents
UNDP/GEF/YS/RSP.4/inf.2 rev. 1	Provisional List of Participants
UNDP/GEF/YS/RSP.4/inf.3	Provisional Working Programme for the Meeting
UNDP/GEF/YS/RSP.3/3	Report of the "Third Regional Scientific and Technical Panel Meeting"
UNDP/GEF/YS/PSC.3/3	Report of the "Third Project Steering Committee Meeting for the UNDP/GEF Yellow Sea Project"
UNDP/GEF/YS/SPSC.1/3	Report of the "First Special Project Steering Committee Meeting for the UNDP/GEF Yellow Sea Project"
UNDP/GEF/YS/JC.1/3	Report of "First 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.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”
UNDP/GEF/YS/RWG-B.4/3	Report of “Fourth Meeting of the Regional Working Group for the Biodiversity Component”
UNDP/GEF/YS/RWG-E.4/3	Report of “Fourth Meeting of the Regional Working Group for the Ecosystem Component”
UNDP/GEF/YS/RWG-F.4/3	Report of “Fourth Meeting of the Regional Working Group for the Fisheries Component”
UNDP/GEF/YS/RWG-I.4/3	Report of “Fourth Meeting of the Regional Working Group for the Investment Component”
UNDP/GEF/YS/RWG-P.4/3	Report of “Fourth Meeting of the Regional Working Group for the Pollution Component”
YSLME MTE, November 2007	Report of Mid-Term Evaluation for “UNDP/GEF Yellow Sea Large Marine Ecosystem Project”

Annex III

Agenda

- 1 OPENING OF THE MEETING**
 - 1.1 Welcome addresses
 - 1.2 Introduction of the members
- 2 ORGANISATION OF THE MEETING**
 - 2.1 Election of Officers
 - 2.2 Meeting Documents
 - 2.3 Organisation of Work
- 3 ADOPTION OF THE MEETING AGENDA**
- 4 PROJECT MANAGER'S REPORT**
 - 4.1 Implementation of Project Activities
 - 4.2 Co-operation with other Organisations and Projects
 - 4.3 Report on the Project Management Office (PMO)
 - 4.4 Project's Mid-term Evaluation
 - 4.5 Financial Report
- 5 REPORTS OF THE NATIONAL PROJECT CO-ORDINATORS**
- 6 REPORT FROM CHAIRPERSONS OF THE REGIONAL WORKING GROUPS**
 - 6.1 Biodiversity
 - 6.2 Ecosystem
 - 6.3 Fisheries
 - 6.4 Investment
 - 6.5 Pollution
- 7 REGIONAL GOVERNANCE ANALYSIS**
- 8 REGIONAL GIS AND META DATABASES**
- 9 PREPARATION OF THE STRATEGIC ACTION PROGRAMME (SAP)**
 - 9.1 Preparatory Work and SAP Framework
 - 9.2 Progress-to-date
 - 9.3 Future Activities to Finalise SAP
- 10 CO-OPERATIVE CRUISE**
- 11 PARTICIPATION OF DPR KOREA IN YSLME PROJECT**
- 12 PROPOSED WORKPLAN AND BUDGET FOR 2008 AND ONWARDS**
 - 12.1 Proposed Project Activities
 - 12.2 Proposed Project Budget for 2008 and Onwards
 - 12.3 Proposed Workplan for 2008

- 13 OTHER BUSINESS**
- 14 DATE AND VENUE OF NEXT RSTP MEETING**
- 15 ADOPTION OF THE MEETING REPORT**
- 16 CLOSURE OF THE MEETING**

Annex IV

Revised Budget for 2008 and Onwards

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009	
0.PMO	0A	Salary	1101	Programme Manager	1,108,997	1,195,931	-88,170	-192,147	-215,663	-225,803	216,437	257,712	
			1102	Environ Officer	643,816	679,251	0	-127,322	-127,646	-134,317	134,181	155,785	
			1103	Fisheries Officer	555,621	548,872	0	-117,962	-38,085	-128,133	123,117	141,575	
			1104	Economist	541,695	540,542	0	-32,235	-117,404	-124,851	123,698	142,354	
			1301	Secretary	174,434	180,381	0	-29,266	-34,844	-37,618	38,746	39,908	
			1302	Driver	148,516	155,010	0	-26,593	-31,755	-31,373	32,314	32,975	
			1303	Adm. Asst.	176,830	193,377	0	-31,662	-34,844	-48,218	38,746	39,908	
			1304	Finance & Adm. Officer	301,828	315,854	-4,016	-53,324	-56,193	-65,458	67,420	69,443	
			1305	IT specialist	175,665	193,222	0	-30,496	-34,844	-37,618	50,356	39,908	
	Sub Total					3,827,401	4,002,441	-92,186	-641,006	-691,276	-833,389	825,015	919,568
	0B	Premises	4101	Office supplies	34,614	37,502	-913	-6,148	-5,837	-7,888	9,000	7,716	
			4102	Library acquisitions	2,616	1,654	0	0	-357	-38	1,000	259	
			4104	Computer Software	12,758	11,482	-640	-5,618	-4,191	-33	500	500	
			4201	Computers	39,947	35,490	-5,399	-5,097	-5,705	-103	19,187	0	
			4203	Printers	300	250	0	0	-250	0	0	0	
			4204	Copy machine (small size)	550	550	0	-550	0	0	0	0	
			4205	PowerPoint OHP	3,459	5,019	-3,459	0	-1,560	0	0	0	
			4206	Automobile	22,881	22,881	-22,881	0	0	0	0	0	
			4301	Office rent	0	0	0	0	0	0	0	0	
4302	Furniture	12,740	14,283	-6,123	-4,617	0	-3,543	0	0				

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009
			4303	Premises costs	10,000	10,000	0	0	0	0	5,000	5,000
			5101	Rental & maint. of computer equip.	6,000	6,000	0	0	0	0	3,000	3,000
			5102	Rental & maint. of copiers	4,500	3,000	0	0	0	0	1,500	1,500
			5103	Repair & maint. of vehicles & insurance	29,149	27,752	0	-4,088	-3,309	-3,603	8,000	8,752
			5104	Rental & maint. of other office equip	7,500	5,000	0	0	0	0	2,500	2,500
			5105	Rental of meeting rooms & equip.	4,000	4,000	0	0	0	0	2,000	2,000
			5220	Publication (other than reports)	53,001	49,221	0	-5,026	-13,758	-8,220	12,000	10,216
			5221	Webpage design and updating	2,301	2,559	0	-356	-445	-758	500	500
			5301	Communication	58,702	55,100	-6,139	-15,558	-2,041	-1,398	17,500	12,464
			5302	Postage/freight	9,479	17,387	0	-1,456	-5,255	-5,408	5,000	267
			5303	Operation cost	54,480	64,242	-67	-11,550	-22,173	-13,184	9,000	8,269
			5600	UNOPS Project Supporting Cost (6%)	251,783	262,548	-8,268	-42,064	-45,369	-52,654	55,242	58,951
			Sub Total		620,759	635,920	-53,888	-102,128	-110,250	-96,830	150,929	121,894
			0.PMO Total		4,448,160	4,638,361	-146,075	-743,134	-801,527	-930,219	975,944	1,041,462
6.Cross Component	6A	Travel	1501	Project Staff Travel	415,583	417,093	-4,163	-106,226	-60,482	-90,582	77,800	77,840
			1601	Annual Tri Part Review (IVB)	24,000	16,000	0	0	0	0	8,000	8,000
			1602	Interviews/Travel (CTA Prospects) (IVB)	10,879	10,879	-10,879	0	0	0	0	0

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009
	6B	Meeting	3301	Project Steering Committee meetings	125,547	117,107	0	-35,162	-26,366	-13,560	24,019	18,000
			3302	RSTP meetings	163,862	164,114	-9,767	-41,544	-20,925	-25,252	41,625	25,000
			3303	Regional scientific conferences	240,000	185,782	0	0	0	-65,782	0	120,000
	6C	Premises	4208	Sea-going equipment	360,000	360,000	0	-231,940	-8,029	-108,060	11,971	0
			4210	Equipment unspecified	60,549	60,549	0	-1,215	-6,212	-20,000	21,122	12,000
	6D	Contingencies	1223	Other consultant contracts	82,072	59,682	0	-2,072	0	-7,610	25,000	25,000
			2135	Other institutional contracts	362,882	301,882	0	0	-1,500	-54,000	131,382	115,000
			3102	Short term fellowship for training	30,000	20,000	0	0	0	0	10,000	10,000
			3217	Additional training activities	241,438	167,520	0	-1,438	0	-6,082	80,000	80,000
			3335	Additional meetings required	125,224	87,525	0	-5,224	0	-2,301	40,000	40,000
			5219	Printing cost for the additional reports	48,604	36,816	0	-604	0	-212	12,000	24,000
			5401	Exigency costs	312,786	419,042	0	-301	-3,039	-1,908	200,810	212,984
			5501	Evaluation (consultants fees/travel/DSA)	96,000	96,000	0	0	0	-48,000	0	48,000
	5606	UNOPS Project Supporting Cost(6%)	161,966	151,199	-1,489	-25,544	-7,593	-26,601	41,024	48,949		
	Sub Total					2,861,393	2,671,190	-26,298	-451,271	-134,146	-469,950	724,753
6.Cross Component Total					2,861,393	2,671,190	-26,298	-451,271	-134,146	-469,950	724,753	864,773

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009
			5202	Carrying capacity report	3,894	3,000	0	0	0	-3,000	0	0
			2146	Carrying capacity technical guide line (mariculture)	10,500	10,500	0	0	0	-10,500	0	0
			3338	Regional training for carrying capacity (mariculture)	15,000	13,539	0	0	0	-13,539	0	0
	1C	Mariculture Production	1203	Development of Sustainable Mariculture-Consultant	10,500	10,500	0	0	-4,200	-6,300	0	0
			1701	Mariculture Advisor	74,000	25,000	0	0	-25,000	0	0	0
			NEW	Regional Mariculture Conference	0	49,000	0	0	0	0	24,500	24,500
			NEW	World Aquaculture Society meeting	0	15,000	0	0	0	0	15,000	0
			2105	Institution Contracts to Implement mariculture techniques (Demonstration Projects).	190,000	295,000	0	0	0	0	165,000	130,000
			3202	Reg. training on mariculture techniques	20,000	17,741	0	0	0	-17,741	0	0
			3203	Reg training on disease diagnosis, prevention and control	20,000	18,900	0	0	0	-18,900	0	0
1D	Fisheries Management - Regional Agreements, National Laws & Manage-	1204	Feasibility study on the regional agreement,i.e. FAO code of conduct	7,000	6,018	0	0	-5,600	0	418	0	
		1205	Prepare regional Agreement on Legislation-Consultant	14,000	7,000	0	0	0	0	7,000	0	
		1206	SAP-fisheries-Consultant	14,000	0	0	0	0	0	0	0	

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009	
		ment Plan for Fisheries	2106	Institution Contracts to Implement Reg Fisheries and ecosystem Management / Implementation Plans	180,000	0	0	0	0	0	0	0	
			5203	Publication of regional fisheries agreement	4,000	4,000	0	0	0	-4,000	0	0	
	1E	Meetings	3304	RWG-F Meeting 1	4,164	4,164	0	-4,164	0	0	0	0	0
			3305	RWG-F Meeting 2	10,975	10,975	0	-10,975	0	0	0	0	0
			3306	RWG-F Meeting 3	9,343	9,343	0	0	-9,343	0	0	0	
			3307	RWG-F Meeting 4	17,500	11,200	0	0	0	-11,200	0	0	
			3308	RWG-F Meeting 5	20,000	20,000	0	0	0	0	20,000	0	
			3309	RWG-F Meeting 6	20,000	20,000	0	0	0	0	0	20,000	
	Sub Total				1,114,598	1,315,602	0	-73,139	-89,062	-98,960	799,941	254,500	
	1A	Stock assessment	2107	Ship rental	610,000	693,628	0	-45,000	0	-300,000	348,628	0	
			4207	Equipment for regional survey (f)	40,000	0	0	0	0	0	0	0	
			3336	2nd & 3rd Technical Meeting for the Cooperative Cruise	10,313	10,524	0	0	-10,524	0	0	0	
	1F	UNOPS Project Supporting Cost	5303	Operation cost	0	1,042	0	0	-772	-270	0	0	
			5601	UNOPS Project Supporting Cost(6%)	106,495	121,247	0	-7,088	-6,021	-23,953	68,914	15,270	
	Sub Total				766,807	826,440	0	-52,088	-17,317	-324,223	417,542	15,270	
	1.Fisheries Total				1,881,405	2,142,042	0	-125,227	-106,379	-423,183	1,217,483	269,770	

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009	
2.Bio-diversity	2A	Habitat Conservation (Activity 1 to 3) & Vulnerable Species (Activity 2 to 5)	1208	Review of National Practice of Coastal Habitats and Vulnerable Species-Consultant	9,300	9,300	0	0	-2,500	-6,800	0	0	
			2108	Institution Contracts to review existing national practices of coastal habitat use, conservation & restoration	59,741	59,741	0	-20,918	-12,000	-26,823	0	0	
			2109	Institution Contracts to Implement Regional Strategy for Conservation Areas	225,000	339,584	0	0	0	0	200,000	139,584	
			NEW	Management effectiveness of reserves (two country reports)	0	30,000	0	0	0	0	30,000	0	
			NEW	Regionsal training for Reserve managers (2 meetings in local language)	0	45,000	0	0	0	0	22,500	22,500	
			5204	Review national practices of coastal habitat use, conservation, and restoration-Printing costs	3,000	0	0	0	0	0	0	0	0
			5205	Review of status of vulnerable species and vulnerable trophic linkages-Printing costs	3,000	3,000	0	0	0	-3,000	0	0	
2B	Genetic	1702	Biodiversity Advisor	76,800	10,000	0	0	0	-10,000	0	0		

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009
		Diversity	NEW	Review of Genetic diversity in fleshy shrimp	0	20,000	0	0	0	0	20,000	0
			2144	Genetic diversity	41,660	16,059	0	0	0	-14,059	2,000	0
	2C	Meetings	3310	RWG-B Meeting 1	3,436	3,436	0	-3,436	0	0	0	0
			3311	RWG-B Meeting 2	13,055	13,055	0	-13,055	0	0	0	0
			3312	RWG-B Meeting 3	8,485	8,485	0	0	-8,485	0	0	0
			3313	RWG-B Meeting 4	17,500	10,607	0	0	0	-10,607	0	0
			3314	RWG-B Meeting 5	17,500	17,500	0	0	0	0	17,500	0
			3315	RWG-B Meeting 6	17,500	17,500	0	0	0	0	0	17,500
	Sub Total				495,975	603,265	0	-37,408	-22,985	-71,289	292,000	179,584
	2C	Meetings	3337	Cross Component Conference (RSTP3)	19,017	0	0	0	0	0	0	0
	2D	UNOPS Project Supporting Cost	5303	Operation cost	0	234	0	0	-234	0	0	0
			5602	UNOPS Project Supporting Cost(6%)	30,900	36,210	0	-2,244	-1,393	-4,277	17,520	10,775
	Sub Total				49,917	36,444	0	-2,244	-1,627	-4,277	17,520	10,775
	2.Biodiversity Total				545,892	639,709	0	-39,652	-24,612	-75,566	309,520	190,359

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009
3.Eco-system	3A	Status of Ecosystem	1216	Regional data synthesis - Institution Contracts	13,972	13,072	0	0	-4,200	-8,872	0	0
			1703	Ecosystem Advisor	30,000	1,500	0	0	0	0	1,500	0
			2118	Institution Contracts - Nat'l data & Info collection	89,268	89,268	0	-58,000	-15,331	-15,937	0	0
			2119	Institution Contracts for Demonstration of new and innovative technologies for monitoring (FRRF)	45,000	34,640	0	0	0	-10,000	24,640	0
			3208	Reg training (estimation) on carrying capacity of ecosystem (CPR)	24,446	8,240	0	0	0	-8,240	0	0
			2121	Institution Contracts for cooperative study cruise - ecosystem	260,000	300,000	0	0	0	-140,000	160,000	0
			3334	Regional workshop on remote sensing for monitoring ecosystem	20,000	20,000	0	0	0	-20,000	0	0
			2136	Spring cruise benthos and sediment core	4,683	9,366	0	0	0	-4,683	4,683	0
			2137	Intercalibration	20,000	40,000	0	0	0	-20,000	20,000	0
	3B	Carrying Capacity of Ecosystem	1217	Prepare guidelines for ecosystem carrying capacity- Consultant	10,500	3,000	0	0	0	0	3,000	0
5211			Publish report on carrying capacity-Printing costs	3,000	3,000	0	0	0	-3,000	0	0	

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009	
	3C	Stressors to Ecosystem	1218	ID and rank stresses to ecosystem-Consultant (regional monitoring)	10,500	10,500	0	0	0	0	10,500	0	
			2120	Institution Contracts to develop long-term sustainable investments & lessen stress to ecosystem	60,000	0	0	0	0	0	0	0	0
			NEW	Demo - Institution contract for jellyfish monitoring	0	150,000	0	0	0	0	0	75,000	75,000
			NEW	Demo - Institution contract for effects of climate change	0	150,000	0	0	0	0	0	75,000	75,000
			5212	Publish reports-Stresses to ecosystem-Printing costs	3,000	3,000	0	0	0	-3,000	0	0	0
	3D	Meetings	3322	RWG-E Meeting 1	10,902	10,902	0	-10,902	0	0	0	0	0
			3323	RWG-E Meeting 2	12,948	12,948	0	-12,948	0	0	0	0	0
			3324	RWG-E Meeting 3	14,134	14,134	0	0	-14,134	0	0	0	0
			3325	RWG-E Meeting 4	17,500	9,249	0	0	0	-9,249	0	0	0
			3326	RWG-E Meeting 5	15,000	15,000	0	0	0	0	0	15,000	0
			3327	RWG-E Meeting 6	17,500	17,500	0	0	0	0	0	0	17,500
	Sub Total				682,353	915,319	0	-81,850	-33,665	-242,981	389,323	167,500	
	3E	UNOPS Project Supporting Cost	5303	Operation cost	0	436	0	0	-436	0	0	0	
			5603	UNOPS Project Supporting Cost(6%)	40,941	54,945	0	-4,911	-2,046	-14,579	23,359	10,050	
	Sub Total				40,941	55,381	0	-4,911	-2,482	-14,579	23,359	10,050	
	3.Ecosystem Total				723,294	970,700	0	-86,761	-36,147	-257,560	412,682	177,550	

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009
4.Pollution	4A	Contaminant Inputs (Critical Spots)	1211	Regional data synthesis - consultant	10,500	10,500	0	0	-1,050	-9,450	0	0
			2111	Institution Contracts - nat'l data & info collection	89,975	105,957	0	-40,000	-15,982	-33,993	15,982	0
			5206	Publish report-reg'l data synthesis-Printing costs	3,000	3,000	0	0	0	-3,000	0	0
			1224	Visiting Scientist Programme	10,000	6,289	0	0	-1,289	0	5,000	0
	4B	Contaminant Levels	1212	Reg'l monitoring guidelines; indicators to assess convention implementation-consultant (IAEA)	15,800	15,800	0	-1,000	-4,300	-10,500	0	0
			2112	Institution Contracts for cooperative study cruise	240,000	224,018	0	0	-20,000	-100,000	104,018	0
			2113	Institution Contracts for Intercalibration exercise (QHSS+IAEA)	22,000	22,000	0	0	-6,532	-15,468	0	0
			3206	Training on contaminant monitoring (phytotoxin)	20,000	20,000	0	0	0	0	20,000	0
			3218	Training Course assessing marine environment quality	15,000	15,000	0	0	0	0	15,000	0

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009
			3219	Level 2 Training Courses (Joint with AMETEC)	17,906	17,906	0	0	0	0	17,906	0
			3339	Intercalibration Summary Workshop	10,000	17,500	0	0	0	-17,500	0	0
			NEW	Institution contract for IC nutrients Rd 3	0	6,711	0	0	0	0	6,711	0
			NEW	Institution contract for IC metals org Rd2	0	25,000	0	0	0	0	25,000	0
	4C	Analysis of the Fate and Transport of Contaminants to Facilitate SAP Analysis	2115	Institution Contracts for Practice & Intercalibration - fate & transport of contaminants	13,555	12,774	0	0	-12,774	0	0	0
			2116	Institution Contracts for ICM actions for controlling discharge of contaminants and nutrients	40,000	0	0	0	0	0	0	0
			5210	Publish report-Fate and transport of contaminants-Printing costs	3,000	3,000	0	0	0	-3,000	0	0
	4D	Regional Strategy Pollution Control	1213	Reg'l synthesis contaminant fate and transport-Consultant(IC)	14,000	11,477	0	0	0	-11,477	0	0
			1215	Reg'l investment strategy & imp. plan pollution control - Consultant (IAEA)	14,000	2,312	0	0	0	-2,312	0	0

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009
			2114	Institution Contracts to implement regional pollution control strategies	300,000	0	0	0	0	0	0	0
			2117	Institution Contracts to implement contaminant remediation/prevention	40,000	0	0	0	0	0	0	0
			NEW	Experience exchange for LME visit	0	10,000	0	0	0	0	10,000	0
			NEW	Demo - Institution contract for HS nutrient load	0	160,000	0	0	0	0	80,000	80,000
			NEW	Demo - Institution contract for sea-based nutrient source	0	120,000	0	0	0	0	60,000	60,000
			NEW	Demo - Institution contract for atmosphere deposition	0	100,000	0	0	0	0	50,000	50,000
			NEW	Demo - Institution contract for Public awareness	0	50,000	0	0	0	0	25,000	25,000
			NEW	Demo - Institution contract for recreational waters management	0	50,000	0	0	0	0	25,000	25,000
			5207	Publish regional invest. strategy-Printing costs	3,000	3,000	0	0	0	0	0	3,000
			5209	Publish reg'l strategy activity results-Printing costs	3,000	3,000	0	0	0	0	3,000	0
4E	Meetings		3316	RWG-P Meeting 1	8,017	8,017	0	-8,017	0	0	0	0

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009	
			3317	RWG-P Meeting 2	9,475	9,475	0	-9,475	0	0	0	0	
			3318	RWG-P Meeting 3	9,316	9,316	0	0	-9,316	0	0	0	
			3319	RWG-P Meeting 4	17,500	9,694	0	0	0	-9,694	0	0	
			3320	RWG-P Meeting 5	17,500	17,500	0	0	0	0	17,500	0	
			3321	RWG-P Meeting 6	15,000	15,000	0	0	0	0	0	15,000	
	Sub Total					961,544	1,084,245	0	-58,492	-71,243	-216,394	480,117	258,000
	4F	UNOPS Project Supporting Cost	5303	Operation cost	0	782	0	0	-782	0	0	0	
			5604	UNOPS Project Supporting Cost(6%)	57,693	65,102	0	-3,510	-4,321	-12,984	28,807	15,480	
	Sub Total					57,693	65,884	0	-3,510	-5,104	-12,984	28,807	15,480
	4.Pollution Total					1,019,236	1,150,129	0	-62,001	-76,346	-229,378	508,924	273,480

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009
			3212	Training for local governmental officers	20,012	14,173	0	0	-14,173	0	0	0
			3340	2nd Training for local governmental officers	30,000	21,863	0	0	0	-21,863	0	0
			3216	Public awareness training	6,113	6,113	0	0	-6,113	0	0	0
			5214	Print newsletters	5,000	4,908	0	0	-951	-1,957	1,000	1,000
			2138	Partnership Workshop	166	166	0	0	-166	0	0	0
			3341	2nd Partnership Workshop	9,834	0	0	0	0	0	0	0
			2139	EAS Congress Workshop and Joint Session	13,933	16,654	0	0	-6,593	-3,631	0	6,430
			2140	Parliamentary Workshop	29,391	29,391	0	0	-29,391	0	0	0
			3342	2nd Parliamentary Workshop	25,000	19,793	0	0	0	-19,793	0	0
	5B	TDA & SAP (Regional Coordination)	1219	Prepare TDA-Consultant	30,000	41,028	0	0	-40,003	-1,025	0	0
			1220	Prepare regional SAP-Consultant	21,000	25,000	0	0	0	-10,000	15,000	0
			1706	TDA NPPP	25,000	0	0	0	0	0	0	0
			3343	SAP consultation	20,000	71,929	0	0	0	-51,929	20,000	0
			2126	Institution Contracts to Prepare NYSAP	29,000	99,000	0	0	0	0	99,000	0
			NEW	SAP drafting group	0	45,000	0	0	0	0	45,000	0
			NEW	Special PSC for SAP	0	20,000	0	0	0	0	20,000	0
			NEW	Political social acceptance analysis	0	42,000	0	0	0	0	42,000	0
			NEW	CBA of demonstration	0	130,000	0	0	0	0	62,500	67,500
			5215	Print the final TDA	3,000	4,875	0	0	0	-4,875	0	0

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009	
			5216	Print NYSAP	3,000	6,000	0	0	0	0	6,000	0	
			5217	Print regional SAP	3,000	5,000	0	0	0	0	5,000	0	
			2141	Regional valuation guideline	45,110	27,110	0	0	-12,000	-12,110	3,000	0	
			NEW	Case study	0	18,000	0	0	0	0	18,000	0	
	5C	National Coordination (Institutions)	1704	NCU Coordinator (K)	285,000	285,000	0	0	-99,396	-65,604	60,000	60,000	
			1705	NCU Coordinator (C)	165,500	165,500	0	-26,100	-34,800	-34,800	34,800	35,000	
			2127	Institution Contracts to analyse institutional arrangements	0	0	0	0	0	0	0	0	0
			2133	National co-ordinating mechanism (C)	168,720	168,720	0	-26,400	-5,200	-35,580	65,960	35,580	
			2134	National co-ordinating mechanism (K)	49,180	59,497	0	0	0	-38,657	10,420	10,420	
			3213	Training on Project document preparation	21,500	21,500	0	0	0	-18,709	2,791	0	
			3214	Training on Fund raising	20,000	20,000	0	0	0	0	0	20,000	
	5D	Data and Information Management	1222	Develop regional data & info systems-Consultant	7,000	7,000	0	0	0	0	7,000	0	
			1707	DIM Consultants	70,000	70,000	0	0	0	0	60,000	10,000	
			3215	Training on DIM	20,000	20,000	0	0	0	0	20,000	0	
			4103	GIS Software	8,000	8,451	0	0	-8,451	0	0	0	
			4202	GIS workstation	4,253	3,802	0	0	0	0	3,802	0	
			4209	Equipment for DIM	43,418	43,418	0	0	-20,320	0	23,098	0	

Activity	Sub_Act	Sub_Act_Des	IMIS	IMIS Code Description	Original Budget Total	Revised Budget Total	Yr 2004	Yr 2005	Yr 2006	Total Expenditure JAN_DEC	Yr 2008	Yr 2009	
			2143	Maintenance of Meta and GIS Databases	40,000	40,000	0	0	0	-15,000	15,000	10,000	
	5E	Meetings	3328	RWG-I Meeting 1	5,634	5,634	0	-5,634	0	0	0	0	
			3329	RWG-I Meeting 2	11,834	11,834	0	-11,834	0	0	0	0	0
			3330	RWG-I Meeting 3	16,933	16,933	0	0	-16,933	0	0	0	0
			3331	RWG-I Meeting 4	17,500	19,216	0	0	0	-19,216	0	0	0
			3332	RWG-I Meeting 5	17,500	17,500	0	0	0	0	0	17,500	0
			3333	RWG-I Meeting 6	17,500	17,500	0	0	0	0	0	0	17,500
	Sub Total				1,539,726	1,896,724	0	-69,969	-387,921	-386,539	739,365	312,930	
	5F	Financial Sustainability (Instruments)	2129	Demonstration projects on sustainable investment	1,100,000	0	0	0	0	0	0	0	
			2142	Small Grants Projects	110,000	157,200	0	0	-26,600	-56,850	73,750	0	
	5G	UNOPS Project Supporting Cost	5303	Operation cost	0	4,528	0	0	-4,528	0	0	0	
			5605	UNOPS Project Supporting Cost(6%)	164,984	123,507	0	-4,198	-25,143	-26,603	48,787	18,776	
	Sub Total				1,374,984	285,235	0	-4,198	-56,271	-83,453	122,537	18,776	
	5.Investment Total				2,914,710	2,181,959	0	-74,167	-444,192	-469,992	861,902	331,706	
	Grand Total				14,394,090	14,394,091	-172,373	-1,582,213	-1,623,349	-2,855,848	5,011,208	3,149,100	

Annex V
Workplan for 2008

ID	Task Name	Duration	Start	Finish	1st Half		2nd Half																	
					Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1	OBJECTIVE I: FISHERIES COMPONENT	1194 days?	Mon 4/11/05	Fri 10/30/09																				
2	IA: STOCK ASSESSMENT	1167 days?	Mon 4/11/05	Wed 9/23/09																				
3	ACT 1: Review of existing data	417 days	Mon 4/11/05	Thu 11/9/06																				
4	Regional Working Group (WG) Meeting 1	4 days	Mon 4/11/05	Thu 4/14/05																				
5	<u>Contract to relevant national institutions (contract)</u>	101 days	Tue 10/4/05	Mon 2/20/06																				
6	<u>Revise national data and info (contract)-NFRDI-YSFRI</u>	290 days	Tue 10/4/05	Thu 11/9/06																				
7	ACT 2: Diagnosis of Stock Conditions	8 days	Fri 11/10/06	Tue 11/21/06																				
8	Finalisation of data and info at WG Meeting 3	4 days	Fri 11/10/06	Wed 11/15/06																				
9	Inputs to final TDA	4 days	Thu 11/16/06	Tue 11/21/06																				
10	ACT 3: Develop Common methodology of regional stock as	430 days?	Tue 1/3/06	Thu 8/23/07																				
11	<u>Gathering existing methods, prepare suggested methods (c</u>	152 days	Tue 1/3/06	Tue 8/1/06																				
12	Discuss the methods (WG Meeting 3)	4 days?	Tue 8/1/06	Fri 8/4/06																				
13	<u>Revise regional methods (consultant)</u>	95 days	Mon 8/7/06	Fri 12/15/06																				
14	Discuss and modify the methods (WG Meeting 4)	4 days	Mon 8/20/07	Thu 8/23/07																				
15	Finalise the method (WG Meeting 4)	4 days	Mon 8/20/07	Thu 8/23/07																				
16	ACT 4: Perform Demonstration of Joint-Regional Survey	564 days	Wed 10/19/05	Wed 12/12/07																				
17	Winter Survey	564 days	Wed 10/19/05	Wed 12/12/07																				
18	Prepare guidelines for survey (consultant)	80 days	Thu 8/23/07	Wed 12/12/07																				
19	Accept guidelines (Technical Meeting 1 - Qingdao)	2 days	Wed 10/17/07	Thu 10/18/07																				
20	Obtain and Assemble Equipment	54 days	Wed 10/19/05	Fri 12/30/05																				
21	Ship Rental for first Joint Survey	16 days	Wed 1/4/06	Wed 1/25/06																				
22	Analyse survey result (participants of survey)	67 days	Fri 1/27/06	Sun 4/30/06																				
23	Publish survey result (printing)(PMO)	65 days	Mon 5/1/06	Fri 7/28/06																				
24	Spring Survey	178 days	Thu 1/26/06	Fri 9/29/06																				
25	Prepare guidelines for survey (consultant)	1 day	Thu 1/26/06	Thu 1/26/06																				
26	Accept guidelines (Technical Meeting 2 - ?)	2 days	Mon 3/27/06	Tue 3/28/06																				
27	Obtain and Assemble Equipment	25 days	Wed 3/29/06	Mon 5/1/06																				
28	Ship Rental for Second Joint Survey	30 days	Mon 5/1/06	Sat 6/10/06																				
29	Analyse survey result (participants)	80 days	Mon 6/12/06	Fri 9/29/06																				
30	Publish survey result (printing)	22 days	Mon 10/2/06	Tue 10/31/06																				
31	ACT 5: Perform Initial Joint Regional Stock Assessment	773 days	Tue 10/10/06	Wed 9/23/09																				
32	Prepare a plan for stock assessment (Consultant)	114 days	Tue 10/10/06	Thu 3/15/07																				
33	Technical discussion on the plan (WG Meeting 4)	60 days	Wed 8/1/07	Tue 10/23/07																				
34	<u>Implement regional stock assessment</u>	155 days	Tue 8/7/07	Mon 3/10/08																				
35	Discuss results of assessment (WG Meeting 5)	4 days	Fri 8/1/08	Wed 8/6/08																				
36	<u>Additional assessment if necessary (contracts)</u>	261 days	Thu 8/7/08	Thu 8/6/09																				
37	Accept the assessment result (WG Meeting 6)??	4 days	Fri 8/7/09	Wed 8/12/09																				
38	Publication of assessment results (printing)	30 days	Thu 8/13/09	Wed 9/23/09																				
39	ACT 6: Create mechanism for regional multispecies stock a	451 days	Thu 11/17/05	Mon 8/6/07																				
40	Identify major barriers in stock assessment (WG Meeting 2)	4 days	Thu 11/17/05	Mon 11/21/05																				
41	Identify the species to be assessed (WG Meeting 2)	4 days	Thu 11/17/05	Mon 11/21/05																				
42	Prepare draft mechanism for annual assessment (Consultar	131 days	Mon 1/2/06	Fri 6/30/06																				
43	Discuss the draft mechanism (WG Meeting 3)	64 days	Tue 8/1/06	Fri 10/27/06																				
44	<u>Revise the draft mechanism (consultant)</u>	159 days	Tue 8/8/06	Thu 3/15/07																				
45	Finalisation of the mechanism (WG Meeting 4)	4 days	Wed 8/1/07	Mon 8/6/07																				
46	IB: CARRYING CAPACITY	827 days	Thu 9/1/05	Mon 10/27/08																				
47	ACT 1: Review of existing state of knowledge	245 days	Thu 9/1/05	Fri 8/4/06																				
48	<u>Contract to relevant national institutions for assessing infor</u>	101 days	Mon 10/3/05	Fri 2/17/06																				
49	Present at WG Meeting 2	4 days	Thu 11/17/05	Mon 11/21/05																				
50	Revise national state of knowledge	184 days	Sat 11/19/05	Tue 8/1/06																				
51	Finalisation of report (WG Meeting 3)	4 days	Tue 8/1/06	Fri 8/4/06																				
52	Inputs to final TDA	30 days	Thu 9/1/05	Tue 10/11/05																				
53	ACT 2: Fill in knowledge gaps for carrying capacity analysi:	131 days	Mon 1/2/06	Fri 6/30/06																				
54	<u>Prepare guidelines for carrying capacity (consultant)</u>	131 days	Mon 1/2/06	Fri 6/30/06																				
55	Act 3: Perform iterative series of analysis of carrying capac	283 days	Mon 8/7/06	Tue 9/4/07																				
56	<u>Prepare workplan for the analysis (consultant)</u>	25 days	Mon 8/7/06	Fri 9/8/06																				
57	Discuss and agree on the workplan (WG Meeting 4)	4 days	Wed 8/1/07	Mon 8/6/07																				

ID	Task Name	Duration	Start	Finish	2005				2006				2007				2008				2009			
					Q1	Q2	Q3	Q4																
1	OBJECTIVE II: BIODIVERSITY PROTECTION COMPONENT	1062 days?	Tue 4/19/05	Wed 5/6/09																				
2	IIA: HABITAT CONSERVATION AND VULNERABLE SPECIES	972 days?	Tue 4/19/05	#####																				
3	ACT 1: Review existing national practices of coastal habitat use, conservation, restoration, status of vulnerable species and trophic linkages (including keystone species), and analyse and prioritise gaps of regional importance; Identify capacity gaps...	644 days?	Tue 4/19/05	Mon 10/1/07																				
4	WG Meeting 1 (Qingdao)	4 days	Tue 4/19/05	Fri 4/22/05																				
5	Contract to relevant national institution(s) (Contract C1)	155 days	Tue 8/30/05	Fri 3/31/06																				
6	WG Meeting 2	4 days	Wed 11/9/05	Sat 11/12/05																				
7	Finalise national outputs and synthesis	155 days	Tue 8/30/05	Fri 3/31/06																				
8	Consider cross- component meeting with other WGs to discuss trophic linkage outcomes relevant to other WGs	2 days?	Sun 10/15/06	Mon 10/16/06																				
9	Prepare a regional synthesis (consultant C2)	386 days	Fri 2/10/06	Tue 7/31/07																				
10	Present outcomes of national assessment in WG Meeting 3	2 days	Fri 10/20/06	Mon 10/23/06																				
11	Publish the outcomes (printing)	44 days?	Wed 8/1/07	Mon 10/1/07																				
12	Inputs to final TDA	49 days	Tue 10/24/06	Sun 12/31/06																				
13	ACT 2: Develop regionally coordinated strategies of conservation and restoration of habitats and for protection of vulnerable species	758 days?	Fri 2/10/06	Wed 12/31/08																				
14	Prepare draft regional strategy (Consultant C2)	386 days?	Fri 2/10/06	Tue 7/31/07																				
15	Discuss and modify the draft (WG Meeting 3)	2 days	Fri 10/20/06	Mon 10/23/06																				
16	Revise the draft accordingly (C2)	201 days	Tue 10/24/06	Tue 7/31/07																				
17	Finalise strategy (WG Meeting 4)	4 days	Mon 9/3/07	Thu 9/6/07																				
18	Inputs to regional SAP	480 days	Fri 3/2/07	Wed 12/31/08																				
19	ACT 3: Implement regional strategy for conservation areas and the protection of vulnerable species	386 days	Fri 2/10/06	Tue 7/31/07																				
20	Prepare draft implementation plan (consultant C2)	386 days	Fri 2/10/06	Tue 7/31/07																				
21	ACT 4: Implement regional strategy for conservation areas	4 days	Fri 8/1/08	Wed 8/6/08																				
22	Adopt implementation plan (WG Meeting 5)	4 days	Fri 8/1/08	Wed 8/6/08																				
23	ACT 5: Implementation of regionally coordinated strategies for protection of vulnerable species	234 days	Wed 8/1/07	Fri 6/20/08																				
24	Implement the strategy (contract to national focal points C3)	234 days	Wed 8/1/07	Fri 6/20/08																				
25	IIB: GENETIC DIVERSITY - low priority activity, no budget	934 days	Thu 6/9/05	Tue 12/30/08																				
26	ACT 1: Determine situations of genetic degradation of important bio-re	352 days	Mon 5/8/06	Thu 9/6/07																				
27	Meeting to discuss Genetic Diversity at end of RWG3	1 day	Tue 10/24/06	Tue 10/24/06																				
28	Prepare draft of current status of genetic degradation of important bioresources, including a list of species and current activities which address 'genetic degradation' and identify and prioritise gaps [Communicate DIM management consultant]	70 days	Mon 5/8/06	Fri 8/11/06																				
29	Discuss and finalise current status (WG Meeting 4)	4 days	Mon 9/3/07	Thu 9/6/07																				
30	Inputs to TDA	49 days	Tue 10/24/06	Sun 12/31/06																				
31	ACT 2: Develop regional consensus on the requirements for conservation of genetic diversity	934 days	Thu 6/9/05	Tue 12/30/08																				
32	Prepare draft list on conservation of genetic diversity (consultants)	23 days	Mon 5/1/06	Wed 5/31/06																				
33	Training course on genetic techniques [delete this]	44 days	Mon 2/20/06	Thu 4/20/06																				
34	Agree list on genes (WG Meeting 2 delete) (during addition working group meeting)	4 days	Wed 11/9/05	Sat 11/12/05																				
35	Prepare a plan for the conservation (consultant)	140 days	Thu 6/9/05	Tue 12/20/05																				
36	Finalise the plan (WG Meeting 3)	2 days	Fri 10/20/06	Mon 10/23/06																				
37	Input to SAP	480 days	Thu 3/1/07	Tue 12/30/08																				
38	ACT 3: Prepare recommendations for conservation measures	25 days	#####	Fri 1/20/06																				
39	The activities will be incorporated into activity 2	25 days	Mon 12/19/05	Fri 1/20/06																				
40	IIC: EXOTIC (INTRODUCED) SPECIES	971 days?	Tue 4/19/05	Tue 12/30/08																				

ID	Task Name	Duration	Start	Finish	2005				2006				2007				2008				2009			
					Q1	Q2	Q3	Q4																
41	ACT 1: Document introduced exotic species and their pathways, assess impacts and risks	448 days	Tue 4/19/05	Fri 12/29/06																				
42	WG Meeting 1	4 days	Tue 4/19/05	Fri 4/22/05																				
43	Contract to relevant national institution(s) (Contract C1)	155 days	Tue 8/30/05	Fri 3/31/06																				
44	Discuss and modify the draft (WG Meeting 2)	4 days	Wed 11/9/05	Sat 11/12/05																				
45	Revise the draft accordingly	80 days	Thu 6/9/05	Wed 9/28/05																				
46	Finalise the strategy (WG Meeting 3)	2 days	Fri 10/20/06	Mon 10/23/06																				
47	Inputs to TDA	49 days	Tue 10/24/06	Fri 12/29/06																				
48	<u>ACT 2: Develop proposals for regulation and control of exotic species - low priority, no budget</u>	934 days?	Thu 6/9/05	Tue 12/30/08																				
49	<u>Prepare draft regulation to control exotic species (consultant)</u>	60 days	Thu 6/9/05	Wed 8/31/05																				
50	<u>Discuss the draft (WG Meeting 3)</u>	2 days	Fri 10/20/06	Mon 10/23/06																				
51	<u>Training course on the implementation of the regulation</u>	105 days	Thu 6/9/05	Wed 11/2/05																				
52	<u>Revise the draft accordingly</u>	120 days?	Thu 6/9/05	Tue 11/22/05																				
53	<u>Finalise strategy (WG Meeting 4)</u>	4 days	Wed 8/8/07	Mon 8/13/07																				
54	<u>Submit for approval of governments</u>	99 days	Thu 6/9/05	Tue 10/25/05																				
55	<u>Inputs to regional SAP</u>	480 days	Thu 3/1/07	Tue 12/30/08																				
56	<u>ACT 3: Implement strategies for regulation and control of introduction of exotic species, including necessary legal, policy and institutional reforms at national and regional levels - low priority, no budget</u>	934 days?	Thu 6/9/05	Tue 12/30/08																				
57	<u>Upon approval, prepare an implementation plan (consultant)</u>	30 days	Thu 6/9/05	Wed 7/20/05																				
58	<u>Implement the regulation</u>	30 days?	Thu 6/9/05	Wed 7/20/05																				
59	<u>Inputs to regional SAP</u>	480 days	Thu 3/1/07	Tue 12/30/08																				
60	IID: SYNTHESIS OF REVIEWS AND DEVELOPMENT OF COORDINATED STRATEGIES	848 days	Fri 2/10/06	Wed 5/6/09																				
61	ACT 1: Synthesize reviews from IIA, B and C	386 days	Fri 2/10/06	Tue 7/31/07																				
62	Consultant to synthesize output from activity HIGH of IIA, IIB, IIC (consultant C2)	386 days	Fri 2/10/06	Tue 7/31/07																				
63	Inputs to final TDA	49 days	Tue 10/24/06	Fri 12/29/06																				
64	ACT 2: Develop coordinated strategy for biodiversity protection	848 days	Fri 2/10/06	Wed 5/6/09																				
65	Synthesize 3 regional strategies and 3 implementation plans to prepare a coordinated regional SAP (consultant C2)	386 days	Fri 2/10/06	Tue 7/31/07																				
66	Discuss and prioritise actions in regional SAP (WG Meeting 5)	4 days	Fri 8/1/08	Wed 8/6/08																				
67	Revsie the draft accordingly	30 days	Fri 8/1/08	Thu 9/11/08																				
68	Finalize strategy (WG Meeting 6?)	4 days	Fri 5/1/09	Wed 5/6/09																				
69	Inputs to regional SAP	480 days	Thu 3/1/07	Tue 12/30/08																				
70	Accept the Regional SAP	480 days	Thu 3/1/07	Tue 12/30/08																				
71	Submit for approval of governments	480 days	Thu 3/1/07	Tue 12/30/08																				
72																								
73	TDA COMPLETE	49 days	Tue 10/24/06	Fri 12/29/06																				
74	SAP COMPLETE	480 days	Thu 3/1/07	Tue 12/30/08																				
75																								
76	Proposed New Activities by 4th RWG-B 2007	254 days?	Wed 9/19/07	Fri 9/5/08																				
77	Biodiversity Advisor and Coastal survey	211 days?	Tue 9/25/07	Mon 7/14/08																				
78	Genetic information website	53 days?	Wed 9/19/07	Fri 11/30/07																				
79	Chinese fleshy shrimp	165 days?	Mon 10/1/07	Thu 5/15/08																				
80	Regional training	131 days?	Wed 1/2/08	Tue 7/1/08																				
81	Analysis of management effectiveness of marine/coastal reserves	99 days?	Wed 12/5/07	Sat 4/19/08																				
82	RWG-B in Yinchuan/Suzhou	3 days?	Wed 9/3/08	Fri 9/5/08																				

ID	Task Name	Duration	Start	Finish	2005				2006				2007				2008				2009			
					Q1	Q2	Q3	Q4																
1	OBJECTIVE III: ECOSYSTEM	1227 days?	Mon 1/3/05	Mon 9/14/09																				
2	IIIA: STATUS OF ECOSYSTEM	781 days?	Mon 1/3/05	Mon 12/31/07																				
3	ACT 1: Prepare state-of-ecosystem reviews and reports (incl. long-term and recent changes)	254 days?	Mon 10/3/05	Thu 9/21/06																				
4	Contract (1) to relevant national institution(s) - collect data & info	130 days	Mon 10/3/05	Fri 3/31/06																				
5	Processing existing raw data	65 days?	Mon 1/2/06	Fri 3/31/06																				
6	Establish a regional editorial group /or use the WG	4 days?	Tue 11/29/05	Fri 12/2/05																				
7	Prepare a draft report (consultant 1)	151 days?	Mon 1/2/06	Mon 7/31/06																				
8	Discuss the draft (WG meeting 2)	4 days?	Tue 11/29/05	Fri 12/2/05																				
9	Revise the draft report (consultant 1)	151 days?	Mon 1/2/06	Mon 7/31/06																				
10	Finalise the draft report (WG meeting 3)	4 days?	Mon 9/18/06	Thu 9/21/06																				
11	ACT 2: Identify data and information gaps and develop strategies for monitoring changing status of ecosystem and its	349 days?	Wed 2/1/06	Mon 6/4/07																				
12	Prepare synthesis of the national assessment, and identify the info gaps (consultant 1)	152 days?	Wed 2/1/06	Thu 8/31/06																				
13	Prepare draft strategy, including: parameters, analysis, intercalibration, data exchange etc. (consultant 1)	152 days?	Wed 2/1/06	Thu 8/31/06																				
14	Discuss the draft (WG meeting 3)	4 days?	Mon 9/18/06	Thu 9/21/06																				
15	Revise the draft	22 days?	Mon 10/2/06	Tue 10/31/06																				
16	Finalise the strategy (WG meeting 4)	2 days	Fri 6/1/07	Mon 6/4/07																				
17	ACT 3: Demonstration of new and innovative technologies for monit	781 days?	Mon 1/3/05	Mon 12/31/07																				
18	Contract (2) to relevant national institution(s)	261 days?	Mon 1/1/07	Mon 12/31/07																				
19	Application of remote sensing	261 days?	Mon 1/1/07	Mon 12/31/07																				
20	Ship-of-opportunities monitoring.	261 days?	Mon 1/1/07	Mon 12/31/07																				
21	<i>Molecular probes - low priority</i>	1 day?	Mon 1/3/05	Mon 1/3/05																				
22	IIIB: CARRYING CAPACITY OF ECOSYSTEM	415 days?	Mon 1/1/07	Thu 7/31/08																				
23	ACT 1: Establish the logistical and data requirements of estimating carrying capacity	198 days?	Wed 10/31/07	Thu 7/31/08																				
24	Contract (1) to relevant national institution(s)	198 days?	Wed 10/31/07	Thu 7/31/08																				
25	Discuss and coordinate with fisheries WG (joint workshop) - already decided to keep separate	3 days?	Wed 10/31/07	Fri 11/2/07																				
26	Decide on the assessment methods of carrying capacity	152 days?	Thu 1/3/08	Thu 7/31/08																				
27	Training on carrying capacity (Estimation of carrying capacity)	152 days?	Thu 1/3/08	Thu 7/31/08																				
28	ACT 2: Conduct a basin-scale survey on lower-trophic level ecosyst	16 days?	Sat 1/5/08	Fri 1/25/08																				
29	Conduct a basin-scale survey on lower-trophic level ecosystem (contract 4)	13 days?	Sat 1/5/08	Fri 1/25/08																				
30	ACT 3: Assess the carrying capacities of the ecosystem under changing human-induced and natural variability	261 days?	Mon 1/1/07	Mon 12/31/07																				
31	Prepare a regional synthesis (consultant 2)	261 days?	Mon 1/1/07	Mon 12/31/07																				
32	Finalisation national outputs and synthesis	261 days?	Mon 1/1/07	Mon 12/31/07																				
33	IIIC: STRESSORS TO THE ECOSYSTEM	1032 days?	Mon 10/3/05	Mon 9/14/09																				

ID	Task Name	Duration	Start	Finish	2005				2006				2007				2008				2009			
					Q1	Q2	Q3	Q4																
34	ACT 1: Identify and rank stresses on the ecosystem; identify data and information gaps	586 days?	Mon 10/3/05	Mon 12/31/07																				
35	Contract (1) to relevant national institution(s)	130 days?	Mon 10/3/05	Fri 3/31/06																				
36	Present outcomes of ranking, data and info in WG meeting 2	4 days?	Tue 11/29/05	Fri 12/2/05																				
37	Prepare a regional synthesis (consultant 3)	152 days?	Wed 2/1/06	Thu 8/31/06																				
38	Finalization of national outputs and synthesis (WG Meeting 3)	4 days?	Mon 9/18/06	Thu 9/21/06																				
39	Publish the outcomes (printing)	66 days?	Mon 10/1/07	Mon 12/31/07																				
40	Inputs to final TDA	110 days?	Mon 7/31/06	Fri 12/29/06																				
41	ACT 2: Identify corrective measures to minimize human-induced str	238 days?	Wed 2/1/06	Fri 12/29/06																				
42	Identify major human induced stresses (contract)	152 days?	Wed 2/1/06	Thu 8/31/06																				
43	Causal chain analysis (contract 1)	110 days?	Mon 7/31/06	Fri 12/29/06																				
44	Identify measures to address the root causes (WG meeting 3)	4 days?	Mon 9/18/06	Thu 9/21/06																				
45	Inputs to final TDA	110 days?	Mon 7/31/06	Fri 12/29/06																				
46	ACT 3: Develop strategy for intercalibration and data exchange (together with co-op cruise)	172 days?	Fri 6/1/07	Fri 1/25/08																				
47	Prepare draft strategy, including: parameters, analysis, intercalibration, data exchange etc.	16 days?	Sat 1/5/08	Fri 1/25/08																				
48	Discussion the draft (WG meeting 4)	2 days	Fri 6/1/07	Mon 6/4/07																				
49	Revise the draft	45 days?	Mon 7/2/07	Fri 8/31/07																				
50	Finalise the strategy (WG meeting4)	2 days?	Fri 6/1/07	Mon 6/4/07																				
51	ACT 4: Develop strategy to identify long-term sustainable investments to improve the YSLME	684 days?	Thu 2/1/07	Mon 9/14/09																				
52	Prepare a format for nat'l strategy-PMO	143 days?	Thu 2/1/07	Mon 8/20/07																				
53	Prepare national strategy (contract 3)	143 days?	Thu 2/1/07	Mon 8/20/07																				
54	Discussing national stratgey (WG Meeting 5)	3 days	Tue 9/23/08	Thu 9/25/08																				
55	Revise national strategy (contract 3)	143 days?	Thu 2/1/07	Mon 8/20/07																				
56	Prepare regional draft strategy (consultant 3)	143 days?	Thu 2/1/07	Mon 8/20/07																				
57	Finalise natl strategy (WG mtg 5)	3 days	Tue 9/23/08	Thu 9/25/08																				
58	Discuss reg. strategy (WG mtg 5)	3 days	Tue 9/23/08	Thu 9/25/08																				
59	Finalise reg strategy (WG meeting 6)	177 days	Thu 2/1/07	Fri 10/5/07																				
60	Inputs to natl & reg SAP	500 days?	Thu 2/1/07	Tue 12/30/08																				
61	Implement SAP (PILOT PROJECTS)	446 days?	Tue 1/1/08	Mon 9/14/09																				
62																								
63	New Activities	18 days?	Thu 1/3/08	Fri 1/25/08																				
64	CPR Survey 2 with cruise	16 days?	Sat 1/5/08	Fri 1/25/08																				
65	CPR Survey 2 with cruise	24 days?	Tue 7/1/08	Fri 8/1/08																				
66	Primary productivity estimation	152 days?	Thu 1/3/08	Thu 7/31/08																				
67	Drafting Guidelines for Ecosystem monitoring	117 days?	Mon 10/22/07	Mon 3/31/08																				

ID	Task Name	Duration	Start	Finish	2005				2006				2007				2008				2009			
					Q1	Q2	Q3	Q4																
1	OBJECTIVE IV: POLLUTION	1158 days?	Mon 4/11/05	Tue 9/15/09																				
2	IVA: CRITICAL SPOTS	347 days?	Thu 9/1/05	Sun 12/31/06																				
3	ACT 1: Determine and rank critical spot sources of water quality degradatic	347 days?	Thu 9/1/05	Sun 12/31/06																				
4	Review previous and ongoing monitoring system and assess methodologies and/or technical guidelines (including target contaminants, QA/QC, intercalibration exercises, data exchange, etc.) (contract 1)	152 days?	Thu 9/1/05	Fri 3/31/06																				
5	Develop technologies for monitoring contaminants and nutrients (contract 1)	152 days	Thu 9/1/05	Fri 3/31/06																				
6	Present outcomes of ranking, data and info in WG meeting 2	4 days	Tue 10/25/05	Fri 10/28/05																				
7	Prepare a regional synthesis (consultant 1)	120 days	Thu 12/1/05	Wed 5/17/06																				
8	Finalise national outputs and synthesis (WG meeting 3)	4 days?	Mon 9/4/06	Thu 9/7/06																				
9	Publish the outcomes (printing)	22 days?	Fri 9/8/06	Mon 10/9/06																				
10	Inputs to final TDA	282 days?	Thu 12/1/05	Sun 12/31/06																				
11	IVB: CONTAMINANT LEVELS	602 days?	Mon 4/11/05	Tue 7/31/07																				
12	ACT 1: Develop baseline data and summarize contaminant and nutrient levels in the YSLME	372 days?	Thu 9/1/05	Sat 2/3/07																				
13	Review existing data & info on contaminant levels (contract 1)	152 days	Thu 9/1/05	Fri 3/31/06																				
14	Data quality control for baseline data WG meeting 2	4 days	Tue 10/25/05	Fri 10/28/05																				
15	Present outcomes of ranking, data and info in WG meeting 2	232 days?	Tue 10/25/05	Wed 9/13/06																				
16	<u>Environmental Survey with other working groups (if not, need ship time)</u>	15.5 days?	Fri 9/1/06	Sat 9/30/06																				
17	<u>Environmental Survey with other working groups - winter</u>	22 days?	Thu 1/4/07	Sat 2/3/07																				
18	Prepare a regional synthesis (consultant 1)	120 days	Thu 12/1/05	Wed 5/17/06																				
19	Finalise national outputs and synthesis (WG meeting 3)	4 days?	Mon 9/4/06	Thu 9/7/06																				
20	Inputs to final TDA	325 days?	Mon 10/3/05	Fri 12/29/06																				
21	ACT 2: Develop regional monitoring network strategy	602 days?	Mon 4/11/05	Tue 7/31/07																				
22	Establish a monitoring network / or use the existing ones (PMO)	103 days?	Mon 4/11/05	Wed 8/31/05																				
23	Draft monitoring guidelines / standards (consultant 2)	88 days?	Wed 8/31/05	Sat 12/31/05																				
24	Agree on the guidelines / standards (WG Meeting 3)	4 days?	Mon 9/4/06	Thu 9/7/06																				
25	Intercalibration exercise of participating labs (Contract 3)	412 days?	Thu 12/1/05	Sat 6/30/07																				
26	Development of indicators to assess the implementation of relevant international conventions (consultant 2)	152 days?	Mon 1/1/07	Tue 7/31/07																				
27	ACT 3: Develop funding mechanism to implement the monitoring strategy	370 days?	Mon 8/1/05	Fri 12/29/06																				
28	Prepare format for data & info collection (PMO), no need to rank the spots	55 days?	Mon 8/1/05	Sat 10/15/05																				
29	Identification of hot spots (contract 1)	152 days?	Thu 9/1/05	Fri 3/31/06																				
30	Contract to relevant national institution(s) to collect hot spots data and information (contract 1)	152 days?	Thu 9/1/05	Fri 3/31/06																				
31	Discussion & further requirements (WG meeting 2)	118 days?	Tue 10/25/05	Thu 4/6/06																				
32	Revise the hot spots data & info (contract 1)	152 days?	Thu 9/1/05	Fri 3/31/06																				
33	Inputs to final TDA	325 days?	Mon 10/3/05	Fri 12/29/06																				
34	IVC: Analysis of the Fate and Transport of Contaminants to Facilitate SAP Anal	586 days?	Mon 10/3/05	Mon 12/31/07																				
35	ACT 1: Review existing understanding of fate and transport of contaminants and nutrients	480 days?	Mon 10/3/05	Sat 8/4/07																				
36	Review existing understanding (contract 1) (workshop)	2 days?	Thu 8/31/06	Sat 9/2/06																				
37	Present outcomes of reviewing from national outputs in WG meeting 3	4 days?	Mon 9/4/06	Thu 9/7/06																				
38	Prepare a regional synthesis (consultant 3) - TBD	85 days?	Mon 1/2/06	Fri 4/28/06																				
39	Finalise national outputs and synthesis (WG meeting 4)	3 days?	Wed 8/1/07	Sat 8/4/07																				
40	Practice & intercalibration of the procedure (contract 4) - TBD	110 days?	Mon 5/1/06	Sat 9/30/06																				
41	Publish the outcomes (printing)	22 days?	Mon 10/2/06	Tue 10/31/06																				

ID	Task Name	Duration	2007					2008					2009														
			Jan	e	a	Apr	a	Jun	Jul	u	e	Oct	o	e	Jan	e	a	Apr	a	Jun	Jul	u	e	Oct	o	e	
1	OBJECTIVE V: DEVELOPMENT OF REGIONAL INSTITUTIONS AND CAPACITIES	1318 days?	[Gantt bar]																								
2	VA. Stakeholders	1305 days?	[Gantt bar]																								
3	ACT 1: Identify stakeholders and assess their capacities for contributing to environmental management and decision-making	137 days?	[Gantt bar]																								
4	Contract to institutions(experts)(Contract)--Governance Analysis	132 days?	[Gantt bar]																								
5	Produce a regional list (PMO)	5 days?	[Gantt bar]																								
6	ACT 2: Strengthen stakeholder capacities	1011 days?	[Gantt bar]																								
7	Prepare training materials for all stakeholders (contract)	761 days?	[Gantt bar]																								
8	Training for decision makers (Training 1)--Local Government Training in China	3 days?	[Gantt bar]																								
9	Training for community trainers (Training 2)--Small grants	2 days?	[Gantt bar]																								
10	Training for local governmental officers (Training 3)--Local Government Training 1	3 days?	[Gantt bar]																								
11	Intern programme--Full time & voluntary	1002 days?	[Gantt bar]																								
12	Site visits by government officials--Local Government Training in ROK	1 day	[Gantt bar]																								
13	"The Yellow Sea and Youth"--Youth Programme	10 days	[Gantt bar]																								
14	ACT 3: Encourage routine and effective involvement of stakeholders in environmental and resource management and decision-making	1305 days?	[Gantt bar]																								
15	Publish newsletters of the project	1305 days?	[Gantt bar]																								
16	Printing newsletters	1305 days?	[Gantt bar]																								
17	Regular stakeholders conference (1/yr)--YSP regular meetings	4 days?	[Gantt bar]																								
18	VB. Regional Coordination	1317 days?	[Gantt bar]																								
19	ACT 1: Create a functioning regional coordination mechanism to carry out the YSLME Project	65 days?	[Gantt bar]																								
20	Programme Coordinator	65 days?	[Gantt bar]																								
21	Economist	65 days?	[Gantt bar]																								
22	Scientific Officer	65 days?	[Gantt bar]																								
23	Public Advisor	65 days?	[Gantt bar]																								
24	Local Staff at PMO:	65 days?	[Gantt bar]																								
25	Secretary	65 days?	[Gantt bar]																								
26	Driver	65 days?	[Gantt bar]																								
27	Administrative Assistant	65 days?	[Gantt bar]																								
28	Administrative Officer	65 days?	[Gantt bar]																								
29	IT Supporting staff	65 days?	[Gantt bar]																								
30	ACT 2: Prepare TDA	136 days?	[Gantt bar]																								
31	Review preliminary TDA, and suggest improvements (consultant)	4 days?	[Gantt bar]																								
32	Discuss draft, and decide new format (WG meeting 3)	3 days?	[Gantt bar]																								
33	Gathering data & info from national review report on the project components (PMO)	13 days?	[Gantt bar]																								
34	Second draft of TDA (consultant)	21 days?	[Gantt bar]																								
35	2nd discussion on the draft (RSTP, PSC)	4 days?	[Gantt bar]																								
36	Revise the TDA	16 days?	[Gantt bar]																								
37	Finalise TDA	16 days?	[Gantt bar]																								
38	Printing the final TDA	19 days?	[Gantt bar]																								
39	Act 3: Prepare Regional SAP	354 days?	[Gantt bar]																								
40	Guideline for cost-benefit analysis	200 days	[Gantt bar]																								
41	Prepare a draft regional SAP (consultant)	20 days	[Gantt bar]																								

ID	Task Name	Duration	2007												2008												2009											
			Jan	e	a	Apr	a	Jun	Jul	u	e	Oct	o	e	Jan	e	a	Apr	a	Jun	Jul	u	e	Oct	o	e	Jan	e	a	Apr	a	Jun	Jul	u	e	Oct	o	e
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?																																				
82	Prepare draft proposal (consultant)--Financial Sustainability, SAP Drafting Group	86 days?																																				
83	PSC to discuss	5 days																																				
84	ACT 4: Provide matched fund for small grant project	794 days?																																				
85	Identify the topics of small grant project (PMO)	66 days?																																				
86	Provide matched funds for the approved projects (contracts)	725 days?																																				
87	Matched grants	725 days?																																				
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)	613 days?																																				
89	Prepare pre-feasibility studies (consultant)-Technical F/S	66 days?																																				
90	Discuss & finalise pre-feasibility study(WG meeting, RSTP)	54 days?																																				
91	Submit to PSC for approval	2 days?																																				
92	Demonstration projects (contracts)--Demonstration on sustainable investment	350 days																																				
93	VE: DATA AND INFORMATION MANAGEMENT	1318 days?																																				
94	ACT 1: Determine regional data and information management capabilities	216 days?																																				
95	Review regional data & info systems, i.e. regional data centre, NEAR-GOOS, NOWPAP DINRAC, (consultant)	129 days?																																				
96	Prepare a proposal for DIM (consultant)	87 days?																																				
97	ACT 2: Develop an effective regional DIM strategy to help achieve the goals of the YSLME	1318 days?																																				
98	Decide where database should be hosted	130 days?																																				
99	Discuss and approve DIM proposal, including guidelines (WG meeting 2, PSC)	25 days																																				
100	Equipment (GIS software, hardware)	109 days?																																				
101	Training on DIM--Technical workshop	2 days?																																				
102	Operation of DIM	875 days																																				
103	ACT 3: Implement the regional DIM strategy, including equipment, facilities, and communications	79 days?																																				
104	To identify sustainable means for the DIM	79 days?																																				
105	VF: Public Awareness and Participation	1317 days?																																				
106	ACT 1: Develop a public awareness campaign	444 days?																																				
107	Preparation of public awareness campaign (PMO)--Public Awareness Strategy	326 days?																																				
108	Agree on the campaign (WG meeting 3)	3 days																																				
109	ACT 2: Demonstrate regional public awareness/participation campaign	517 days?																																				
110	Organise public awareness conferences (contracts)--Parliamentary Conference	5 days																																				
111	Prepare public awareness materials (Contracts)	174 days?																																				
112	Produce multi-media, e.g. project pins, mouse pads, posters, etc.	174 days																																				
113	Public awareness training-twice	1 day																																				
114	ACT 3: Encourage ongoing public awareness and participation activities to help achieve the goals of the YSLME	1305 days?																																				
115		1305 days?																																				

List of Acronyms

CBA	cost-benefit analysis
CKJORC	China-Korea Joint Ocean Research Center
CPR	continuous plankton recorder
DIM	data and information management
DPRK	Democratic People's Republic of Korea
GEF	Global Environment Facility
GIS	geographic information system
IMCC	Inter-ministerial Co-ordinating Committee
IW	International Waters
KORDI	Korea Ocean Research and Development Institute
LME	large marine ecosystem
MTE	mid-term evaluation
NMEMC	National Marine Environment Monitoring Center
NOWPAP	Northwest Pacific Action Plan
NPC	National Project Co-ordinator
NSAP	National Strategic Action Programme
NWG	National Working Group
OC	ocean colour
PM	Project Manager
PMO	Project Management Office
PSC	Project Steering Committee
QA/QC	quality assurance/quality control
RSC	Regional Science Conference
ROK	Republic of Korea
RSTP	Regional Scientific and Technical Panel
RWG – B, E, F, I, P	Regional Working Group – Biodiversity, Ecosystem, Fisheries, Investment, Pollution
SAP	Strategic Action Programme
SGP	Small Grants Programme
SHMA	State Hydrometeorological Administration
SOA	State Oceanic Administration - China
TDA	Transboundary Diagnostic Analysis
TOR	terms of reference
UNDP	United Nations Development Programme
UNOPS	United Nations Office for Project Services
WWF	World Wide Fund for Nature
YS	Yellow Sea
YSESP	Yellow Sea Eco-region Support Project
YSLME	Yellow Sea Large Marine Ecosystem