



undp



PROCEEDINGS OF THE FOURTH PROGRAMME STEERING COMMITTEE MEETING

*GEF/UNDP/IMO
Regional Programme
for the Prevention
and Management
of Marine Pollution
in the East Asian Seas
(RAS/92/G34)
(MPP-EAS)*

**Hanoi, Vietnam
15-18 December 1997**

PROCEEDINGS OF THE FOURTH PROGRAMME STEERING COMMITTEE MEETING

- Technical Session
- Tripartite Review Session

*GEF/UNDP/IMO Regional Programme for the Prevention and Management
of Marine Pollution in the East Asian Seas (MPP-EAS)
(RAS/92/G34)*

Hanoi, Vietnam
15-18 December 1997

Table of Contents

	Page
I. TECHNICAL SESSION	
A. Introduction	1
B. Opening Ceremony	2
1.0 Organizational Matters	4
2.0 Adoption of Agenda	4
3.0 Review of the Project Status	4
3.1 Demonstration Projects	6
3.2 Marine Pollution Monitoring and Information Management	9
3.3 Ratification of International Conventions	10
3.4 Sustainable Financing Mechanisms	11
3.5 Capacity Building/Training	12
4.0 Ratification and Implementation of MARPOL	14
5.0 Mid-term Review Results	14
6.0 Collaborative/Cooperative Activities with UN Agencies and Other Bilateral/Multilateral Programs, Donor Agencies, Industries and NGOs	16
7.0 Workplan for 1998 and Project Extension	20
8.0 Future Collaborative Programme Activities and Proposals	21
9.0 Conclusions and Recommendations	23

9.1	Demonstration Projects	24
9.2	Marine Pollution Monitoring and Information Management	25
9.3	Ratification of International Conventions	26
9.4	Sustainable Financing Mechanisms	26
9.5	Capacity Building/Training	27
9.6	Ratification and Implementation of MARPOL	28
9.7	Collaborative/Cooperative Activities with UN Agencies and Other Bilateral/Multilateral Programs, Donor Agencies, Industries and NGOs	28
9.8	Mid-term Review Results	29
9.9	Workplan for 1998 and Programme Extension	29
9.10	Future Collaborative Programme Activities and Proposals	29
10.0	Venue and Date for the Next Meeting	30
11.0	Vote of Thanks	31
12.0	Closing Ceremony	31
Annex 1	List of Participants - Technical Session	32
Annex 2	Full Text of Speeches - Opening Ceremony	43
Annex 3	Fourth PSC Agenda: Technical Session and Tripartite Review Session	50
Annex 4	Full Text of Speech - Closing Ceremony Donor Agencies and NGOs	54
Annex 5	List of Documents (Technical Session)	56

II. TRIPARTITE REVIEW

	Page
A. Introduction	59
1.0 Organizational Matters	60
2.0 Adoption of Agenda	60
3.0 Matters Arising from the 1996 Tripartite Review Meeting	60
4.0 Presentation of the Project Performance Evaluation Report (PPER)	60
5.0 Conclusions and Recommendations from the Fourth Meeting of the Programme Steering Committee	64
6.0 Workplan and Budget/Programme Extension	64
7.0 Meeting Closure	65
Annex 6 List of Participants - Tripartite Review	66

**GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution
in the East Asian Seas**

**PROCEEDINGS OF THE FOURTH PROGRAMME
STEERING COMMITTEE MEETING**

TECHNICAL SESSION

Hanoi, Vietnam, 15-18 December 1997

A. INTRODUCTION

- i. The Fourth Programme Steering Committee (PSC) Meeting of the GEF/UNDP/IMO Regional Programme for the Prevention and Management of Marine Pollution in the East Asian Seas (RAS/92/G34) was held in the International Convention Centre, Hanoi, Vietnam, from 15 to 18 December 1997, and was hosted by the Government of Vietnam.
- ii. The Meeting was attended by delegates from all 11 participating countries, namely: Brunei Darussalam, Cambodia, the Democratic People's Republic of Korea, Indonesia, Malaysia, the People's Republic of China, the Philippines, Republic of Korea, Singapore, Thailand and Vietnam. A representative from the Government of Japan attended as an observer.
- iii. Other observers represented at the Meeting were the United Nations Industrial Development Organization Vietnam (UNIDO), the Intergovernmental Oceanographic Commission/Subcommission for the Western Pacific (IOC/WESTPAC), the Malacca Strait Council, the Japan Association of Marine Safety (JAMS), the World Conservation Union (IUCN) Hanoi, the World Wildlife Fund (WWF), the Swedish International Development Cooperation Agency (Sida), and the Coastal Management Center.
- iv. The Implementing Agency was represented by the United Nations Development Programme (UNDP) New York, UNDP Hanoi and UNDP Manila Country Offices,

and the Executing Agency was represented by the International Maritime Organization (IMO), London, and the IMO Programme Development and Management Office, Manila.

- v. A full list of participants and observers is found in Annex 1.

B. OPENING CEREMONY

- i. Dr. Nguyen Ngoc Sinh, Director-General, National Environment Agency, Ministry of Science, Technology and Environment, Vietnam, welcomed the participants and observers to the PSC Meeting.
- ii. Mr. David Edwards, Senior Deputy Director, Marine Environment Division, IMO, London, welcomed the participants and observers to the Meeting on behalf of the Secretary-General, Mr. W.A. O'Neil. In his address, he stressed that IMO as Executing Agency, is fully committed to achieving the objectives of the Regional Programme to the benefit of the participating countries and other partners in the project. IMO is very pleased with the progress and achievements of the Regional Programme, indicating that most activities have been completed on schedule. He reminded the gathering of the late start of the Malacca Straits Demonstration Project and Sustainable Financing Components of the Regional Programme and the need to allocate sufficient time to consolidate the results into a form that can be distributed and used by stakeholders in the region. Mr. Edwards concluded his remarks by stating that IMO stands ready to support the development and implementation of the proposed project proposal for a second phase of the Programme which would consolidate the achievements of the Programme and ensure that all the participating countries were able to make use of the proven methodologies.
- iii. Dr. Andrew Hudson, UNDP New York welcomed the participants and observers on behalf of UNDP. In his speech, Dr. Hudson said that the Regional Programme is one of the mature GEF projects being implemented by UNDP which has made a substantial contribution toward the realization of sustainable development in the East Asian Seas region. He stated the the Programme is of particular significance to UNDP and GEF for several reasons, including:

- Along with other key global sites such as the Black Sea, Red Sea and Danube River, the project represents one of UNDP's most mature GEF International Waters projects, making the programme a key source of valuable 'lessons learned' and 'best practices' in support of ongoing and future GEF International Waters project development and implementation.
- The project serves as an excellent example of successful interagency cooperation between the Implementing and Executing Agencies, UNDP and IMO.
- The project provides a unique opportunity for GEF and its partners to test new and innovative local, national and regional approaches to the restoration and sustainable management of transboundary water bodies.

Dr. Hudson indicated that he looked forward to working with the project staff and key stakeholders in the formulation and finalization of a 'next phase' GEF intervention in the region in the framework of the GEF Operational Strategy and Operational Programmes in the International Waters focal area.

- iv. The Honorable Minister, Ministry of Technology, Science and Environment, Vietnam, Professor Chu Tuan Nha, delivered the opening address on behalf of the Government of Vietnam. In his address, Prof. Chu stated that the Meeting is an important environmental event for Vietnam which is in the process of transformation. He cited the various activities undertaken in Vietnam by the Regional Programme involving capacity building, marine pollution monitoring regional environmental legislative networking and the implementation of MARPOL. He also stated that Vietnam supports the new project proposal on building partnerships and that he looked forward to the eventual establishment of an integrated coastal management demonstration site in the country. Prof. Chu concluded his address by stressing that the regional mechanism, as proposed under the new project, will serve as a good basis for cooperative efforts to resolve transboundary marine environmental problems affecting the countries in the region.
- v. The text of the presentations made during the Opening Ceremony are contained in Annex 2.

1.0 ORGANIZATIONAL MATTERS

- 1.1 Dr. Andrew Hudson, Principal Technical Advisor, representing UNDP, assumed the position of co-chair for the Meeting. Vietnam was acclaimed as co-chair and was represented by Professor Pham Van Ninh. Indonesia was acclaimed as rapporteur and represented by Mr. Adnan Gempur.
- 1.2 Dr. Chua Thia-Eng, Regional Programme Manager, reminded the gathering that the Programme Steering Committee Meeting is comprised of two sessions. The technical session deals with technical aspects of the Programme's activities. The Tripartite Review session, is limited to participating countries, UNDP and IMO, where detailed discussion of the Programme budget and administrative matters will be dealt with.
- 1.3 Dr. Chua recalled the recommendations that had been made at the Third Meeting of the Programme Steering Committee in 1996. He identified the 1997 Annual Report (PSC/97/DOC/02a) as the principal reference document for the Technical Session.
- 1.4 Dr. Chua also identified the list of technical reports and publications, and stated that only limited copies of these documents were available to the Meeting as references. Participants were advised that these documents could be obtained from the Programme Office in Manila upon request.

2.0 ADOPTION OF AGENDA

The Meeting adopted the agenda, with additional wording to Item 1.1, "Election of co-chairperson and rapporteur", as provided in Annex 3.

3.0 REVIEW OF PROJECT STATUS

Dr. Chua, introduced the 1997 Annual Report "East Asian Seas Marine Pollution Prevention and Management of Marine Pollution: Paradigm Shift in Concepts Approaches and Methodologies" (PSC/96/DOC/02a). He highlighted the achievements and key milestones in 1997 as contained in the annual report as well as in the overview of achievements of the Programme for 1997 (PSC/97/DOC/02b). Dr. Chua pointed out the application and field-testing of

innovative planning and management frameworks that represent a paradigm shift in concept, approach and methodology in addressing marine pollution. He reviewed the specific contributions made over the past year, particularly at the three demonstration sites that illustrate the paradigm shift, including:

- innovative institutional arrangements for managing coastal and marine areas at the local level;
- advanced legal mechanisms for local government;
- integrated enforcement programs in the marine sector;
- partnerships between levels of government, public and private sectors, donor agencies and the scientific community;
- sea-use zonation schemes, integrated into land use plans;
- management-oriented marine pollution monitoring programs;
- local government model ordinances for integrated coastal management (ICM);
- investment opportunities in marine pollution management;
- information technology applications in local and subregional management situations; and
- networking among public and private institutions on scientific and technical, legal and economic aspects of marine pollution, national regulations and the implementation of international conventions.

Dr. Chua indicated that the Programme was able to mobilize resources amounting to US\$9.28 million to complement Programme activities. The Programme Manager stressed that most of the activities were implemented on schedule except the Malacca Straits Demonstration Project and the Sustainable Financing components. Dr. Chua indicated that both activities started behind schedule, but would be completed by the end of 1998.

3.1 Demonstration Projects

- 3.1.1 Dr. Huming Yu, Senior Programme Officer, outlined major progress made in the implementation of Programme demonstration projects in Batangas (Philippines) and Xiamen (PR China). The achievements made as a whole offered a working model and a methodological framework for ICM application to address marine pollution problems. Five major components of the working model were identified: the development of decision-making mechanisms based on multiple stakeholders consultation and participation, legal support and improved enforcement, pollution monitoring and assessment, management oriented scientific tools and sustainable financing mechanisms.
- 3.1.2 Dr. Yu further highlighted actions taken to extend the demonstration experience across the region via assistance in national ICM projects using UNDP country IPF, workshops and training courses. In this connection, the Regional Workshop on Partnership in Integrated Coastal Management, 12-15 November 1997, Thailand, contributed to distilling, packaging and extending the results and experiences of the demonstration projects in Batangas and Xiamen.
- 3.1.3 Ms. Evelyn Estigoy, Director, Environment and Natural Resources Office of Batangas Provincial Government, Philippines, and Ms. Chen Yue, Deputy Division Director, Department of International Cooperation of State Oceanic Administration, PR China, briefed the meeting on the results of specific project activities during the past twelve months.
- 3.1.4 Various interventions focused on the achievements of the ICM demonstration projects. During the discussion, it was identified that the Programme was able to build up local capabilities, both institutional and technical, and to incorporate the results of the project into policies and management action programmes of the local governments. The local governments at the two sites had adopted the projects as their own and committed resources to sustaining the ICM process beyond the life of the project. Moreover, the Programme was able to induce changes in perception among the decision makers, scientists and private sector to work together in pursuance of the ICM objectives and goals.

Among the very significant factors that contribute to the success of the demonstration projects are:

1. full commitment of the local government/community to undertake the project in a comprehensive manner.
2. that there is already a commitment by the local government/community in some sectoral activities of ICM thus enabling the ICM activities to be put together (consolidate) in a package into a comprehensive ICM plan for its systematic implementation.
3. ICM was able to demonstrate statistically or in quantitative values the actual cost-benefit (long-term) of the activities to the sustainability of the Programme.

3.1.5 Malacca Straits Demonstration Project

3.1.5.1 Mr. Adrian Ross, Senior Programme Officer, informed the Meeting of the progress on the Malacca Straits Demonstration Project and the development of the risk assessment/risk management framework for subregional sea areas. It was pointed out that the implementation of the various demonstration project activities had been agreed to by the three littoral States at a consultative meeting in Cebu, Philippines in March 1997. Following that meeting, and with the scientific and technical input from three universities in the littoral States, (i.e., Bogor Agricultural University (Indonesia); University of Malaya (Malaysia) and National University of Singapore (Singapore), a total of 16 subprojects had been initiated. The specific subprojects focused on:

1. development of a regional database and GIS for marine and coastal resources and land-based and sea-based sources of marine pollution;
2. refined risk assessment of the Straits, including a reassessment of pollutants of concern as identified in the initial risk assessment of the Straits (i.e., heavy metals, oil and grease, coliforms, pesticides, TBT and total suspended solids);
3. marine pollution prevention and management measures, focusing on priority concerns which were identified in the risk assessment of the Straits;

4. valuation of resources in the Straits, including mangroves, corals, seagrass/seaweed, beaches, mudflats, fisheries/aquaculture and sealanes;
5. benefit-cost appraisal of identified options for enhancing pollution risk management in the Straits for land-based and sea-based sources of marine pollution, conservation of coastal habitats and development and sustainability of tourism;
6. oil spill trajectory/pollutant fate model development and application;
7. sustainable financing mechanisms for pollution prevention and management in subregional seas; and
8. packaging of lessons learned from the Malacca Straits experience for transfer to other subregional sea areas.

3.1.5.2 The Meeting was informed of the risk assessment workshop, held in Johor Bahru (Malaysia), in November 1997 at which time the status of ongoing projects were reviewed by scientific teams from each littoral State, and representatives of national environmental and maritime agencies. It was noted that one of the conclusions of the workshop was the need to strike a balance in focus between land-based and sea-based sources of pollution. The Meeting was advised that the results of the workshop had been considered in follow-up discussions with the project teams and that efforts were being made to gather additional information from national authorities and other entities on "oil and grease" contamination in the Straits from land- and sea-based sources. In addition, the refined risk assessment phase of the project would review available data on other parameters to verify conclusions of the initial risk analysis.

3.1.5.3 The Meeting was advised that the regional database and GIS, risk assessment resource valuation and various modelling activities, would be incorporated into an environmental atlas for the Straits, packaged in CD ROM format and disseminated to decision-makers and planners in the Straits, and used as a model for stakeholders in other subregional sea areas of the region.

3.2 Marine Pollution Monitoring and Information Management (MPMIM)

- 3.2.1 The Coordinator of the MPMIM, Dr. Gil Jacinto, reviewed the objectives, the activities and mechanisms of interaction of the network.
- 3.2.2 The Meeting was informed that the pollution monitoring under the Programme is implemented in the context of the ICM framework and, therefore, targets selected critical issues, problems and parameters at specific sites. Such a monitoring program contributes towards the formulation of cost-effective strategies by policy-makers and coastal managers, to be implemented by various users and custodians of the marine environment.
- 3.2.3 The discussion highlighted that the monitoring efforts in Xiamen and Batangas provide models by which monitoring can be accomplished in other sites. In Xiamen, an operational monitoring program is carried out by five government institutions. Under the ICM framework, the group has rationalized their monitoring tasks, optimized the sampling and monitoring program so that their efforts complement rather than duplicate. The monitoring program being initiated in Batangas, is bringing together the resources of the local government, national line agencies and the private sector in implementing the environmental monitoring program for Batangas Bay. The strategy adopted for the monitoring program, is to focus on environmental (receiving waters) rather than compliance (end-of-pipe) monitoring. Thus, the cooperation of the private sector has been obtained since they see themselves as partners rather than adversaries in the environmental agenda.
- 3.2.4 The Meeting was advised of the recently concluded 2nd Workshop of the Marine Pollution Monitoring and Information Management (MPMIM) network in Burapha University (Thailand). One recommendation of the workshop was to adopt "Category 1" parameters for pollution monitoring defined by the strategic plan of the HOTO Panel. These parameters are of medium or high impact but are relatively easy to measure and include: nutrients, human pathogens, dissolved oxygen, suspended particulates, phytoplankton pigments, litter/plastics, and petroleum (oil).
- 3.2.5 The Meeting was further informed that an electronic mailing list for individual members of the MPMIM network is now operational and is there to provide a

mechanism for members to exchange of information, experiences, and advise on marine pollution monitoring.

3.2.6 The need was emphasized to strengthen institutional membership to the network, as agreed upon by participants in the 2nd MPMIM workshop, particularly in sites where pollution monitoring is done in the context of ICM.

3.2.7 Mr. James Paw, Technical Programme Officer, briefed the Meeting on information management activities and the publications of the Programme. He described the development of the spatial database for the Batangas Bay Region in support of the ICM system including technical assistance and training. Mr. Paw stated that the Environmental Management Atlas for the Batangas Bay Region has been published and described its unique features with respect to conventional printed atlases.

3.3 Ratification of International Conventions

3.3.1 The Meeting was informed by Mr. Adrian Ross that the focus of the international conventions component of the Programme for 1997 was the development of instruments for use by the Regional Network of the Legal Aspects of Marine Pollution. Three initiatives were highlighted, namely:

1. the legal information database, containing more than 600 reference materials relating to marine pollution, including texts of international and regional conventions, national legislation and other reference materials related to marine pollution;
2. review of national marine pollution legislation in six countries in the region (i.e., Cambodia; Indonesia; Malaysia; Philippines; Thailand; and Vietnam); and
3. a draft guideline on model national legislation, designed to harmonize national legislation with international conventions and allow countries to meet the obligations of these international instruments.

3.3.2 The Meeting noted that a catalogue of information contained in the legal information database had been circulated in electronic format to members of the Regional Network for review, comment and use by the membership.

3.3.3 The Meeting was advised that a workshop held in Batangas Bay in November 1997 had prepared a model ordinance (local law) on ICM. The model ordinance is designed to consolidate and coordinate the efforts, services and resources of local government units on ICM, based on the experiences of Batangas Bay. The final product will be presented at future regional workshops on legal instruments for preventing and managing marine pollution.

3.4 Sustainable Financing Mechanisms

3.4.1 Mr. Ross informed the Meeting that the sustainable financing activities in 1997 were concentrated in two areas, namely:

1. identification and development of investment opportunities in coastal and marine pollution; and
2. promotion of public sector and private sector partnerships.

3.4.2 Regarding identification and development of investment opportunities, the Meeting was advised that such opportunities included an assessment of previous investments to determine the benefits derived, as well as a look at potential investments, to assess their feasibility from a technical and financial perspective. Information from such studies as the clean up of the Yuan Dang Lagoon, commercialization of shore reception facilities and the privatization of municipal waste management systems is being employed to promote investment by the public and private sectors.

3.4.3 With respect to promotion of public-private partnerships, it was explained that an MOA had been signed with the Philippine Ports Authority to undertake feasibility studies for shore reception facilities at six ports in the Philippines, including Batangas Bay. In addition, it was noted that two other feasibility studies had been implemented in Batangas Bay, one of municipal solid waste management and one of agricultural waste management. The results of the

three feasibility studies will be incorporated into opportunity briefs, for presentation to private investors, lenders and regulatory agencies.

3.4.4 The Meeting was advised of the support provided to the Batangas Bay project through the UNDP's Public-Private Partnership for the Urban Environment. The UNDP programme is assisting with the preparation of the opportunity briefs on Batangas Bay, and the implementation of a round table with lenders, donors and regulatory agencies. The purpose of the round table will be to develop the foundation for a mixed ownership (public-private sector) company for management of wastes in Batangas Bay.

8.4.5 The results of a contingent valuation survey on willingness-to-pay for improved solid waste management in Batangas Bay were reviewed. The survey was identified as a useful instrument for assessing the general public's awareness of environmental issues and to determine the extent to which residents are willing to increase monthly service fees for solid waste collection and disposal. These data can be used for a number of purposes, including the development of future cost recovery schemes for waste management systems.

3.5 Capacity Building/Training

3.5.1 Dr. Yu focused on major training activities of the year in the context of diversified capacity building projects and workshops in ICM application, marine pollution monitoring, risk assessment and management, and implementation of international conventions. Over the years, ICM application for marine pollution prevention and management, oil spill preparedness, response and co-operation (OPRC), and integrated environmental impact assessment (IEIA) have emerged as the Programme flagship training projects for the region.

3.5.2 Dr. Yu further mentioned that training in techniques of marine pollution monitoring and GIS application was provided as part of the monitoring and information management programmes, depending on the specific needs of the countries. The PDMO provided internships for Cambodia, Indonesia, PR China and Vietnam for training on ICM, oil spill modelling, marine pollution monitoring, international conventions on marine pollution and economic valuation. Equipment for marine pollution monitoring was provided to Cambodia and DPR Korea and the training of personnel to handle the equipment for both countries

was scheduled. Dr. Yu took the opportunity to express his gratitude to the countries and institutions in hosting various programme training activities.

- 3.5.3 In the ensuing discussion, it was pointed out that the number of training opportunities provided are still inadequate in view of the needs for capacity building and in this connection, emphasis should be given to the training of trainers.
- 3.5.4 The Cambodian Minister of Environment, Dr. Mok Mareth, stated that Cambodia was fully supportive of the Regional Programme and the associated capacity building efforts of the Programme Office. He indicated that the Regional Programme was assisting Cambodia to strengthen capacity in marine pollution monitoring and had recently supplied laboratory equipment for this purpose. He noted that laboratory personnel would be trained in the usage of such equipment in early 1998.
- 3.5.5 The delegate from Thailand expressed her appreciation for the excellent package provided by IMO for OPRC training this June and the need to provide additional time for field exercises in future training programs. Continued efforts in OPRC training, particularly relating to IMO model courses from Level I to III were requested.
- 3.5.6 In response to the comments made, information was provided by Dr. Chua on the efforts to mobilize resources for more training activities. It was cited that training of trainers approach was the focus of the IEIA training workshop.
- 3.5.7 The Meeting recognized the need to take further measures to meet the increased demand for training in the region in order to improve the management of the coastal and marine environment and resources.
- 3.5.8 Mr. David Edwards, welcomed the suggestions to extend the time spent on field exercises in future OPRC training. He pointed out that IMO training activities emphasize the development of training modules and packages for transfer to countries for implementation. He also informed the Meeting of the available references prepared by IMO to facilitate a better understanding of the international conventions and measures required for ratification and implementation.

4.0 RATIFICATION AND IMPLEMENTATION OF MARPOL

- 4.1 Mr. Ross reminded the Meeting that the MARPOL project was supported by the Government of Norway, through IMO's Integrated Technical Cooperation Programme. The project is being implemented by the Regional Programme as part of the international conventions component, in four countries, namely: Cambodia, Indonesia, Philippines and Vietnam.
- 4.2 The Meeting was advised that two workshops have been conducted in Vietnam and one in the Philippines. The Vietnam workshops involved the development of a short-term action plan for enhancing national capacity to implement MARPOL and a legal drafting workshop on national implementing legislation. The Philippines workshop resulted in the preparation of an action plan in support of the ratification of MARPOL 73/78. Both action plans are now in the process of being implemented. A workshop on the development and operation of cost-effective shore reception facilities will be implemented in Indonesia in January 1998.
- 4.3 The representative from the Philippines advised the Meeting that President Ramos recently confirmed the country's commitment to ratify MARPOL, as well as other IMO conventions, at the 1st Maritime Congress of the Multi-Sectoral Task Force on Maritime Development, October 1997. It is anticipated that MARPOL ratification will occur in the first quarter of 1998.

5.0 MID-TERM REVIEW RESULTS

- 5.1 Dr. Angel Alcala, a member of the Mid-term Review Team presented the results of the Mid-term Review of the Programme, conducted in April 1997. Dr. Alcala informed the Meeting that the Review Team visited the PDMO, the two demonstration sites, UNDP Manila and IMO, London, as part of their assessment to discuss progress and problem areas.
- 5.2 Dr. Alcala highlighted the overall conclusion of the evaluation that the Programme has gone a long way to achieving its objectives. It was noted that the Review Team made a number of recommendations concerning the Programme, including:

- the need to clarify or adjust the output expectations of the Malacca Straits Demonstration Project;
- to extend ICM training opportunities for senior executives;
- to produce a Handbook on Public Participation in Coastal Management as well as a Manual on Economic Instruments; and
- to organize a regional conference on international conventions dealing with the protection of international waters.
- to develop a PDF for a new GEF proposal for the second phase.

5.3 Dr. Chua reviewed the Programme's capacity and plans to address the recommendations of the Mid-term Evaluation, including:

- considerable effort has been made by the Programme to put the Malacca Straits Demonstration Project back on schedule. The project will be completed, and all objectives will be achieved by the 4th quarter of 1998;
- ICM training of senior executives will be completed in 1998;
- the preparation of a handbook on public participation and a manual on economic instruments will be difficult to achieve within the budget and time constraints of the Programme. These two products are not identified in the original Programme Document, and
- a Regional Programme conference on international conventions will be integrated into a general Programme Conference planned for 1999.

5.4 The representative from UNDP Manila commented on the recommendations of the Mid-term Evaluation. It was pointed out that consideration for a terminal evaluation of the Programme will be made at the 4th PSC Meeting. Also, the suggestion was made that the final PSC Meeting on the proposed general conference in 1999 could serve as a venue for a donor's conference.

5.5 The representative from UNDP GEF commented on the recommendation that a Project Development Fund - B initiative be undertaken to develop a follow-on

GEF project in the region. He pointed out that recent events, namely the development of a project brief on a new regional initiative, which was recently completed, was a major step toward seeking GEF financing. The need for a PDF-B funded project was not necessary in that the concept paper had been developed using the knowledge base, network and experience of the existing GEF pilot project.

6.0 COLLABORATIVE/COOPERATIVE ACTIVITIES WITH UN AGENCIES AND OTHER BILATERAL/MULTILATERAL PROGRAMS, DONOR AGENCIES, INDUSTRIES AND NGOS.

6.1 The meeting reviewed the collaborative activities on pesticide risk assessment in Batangas and Xiamen with the Food and Agriculture Organization (FAO) as well as with UNDP on the Strategic Initiative for Ocean and Coastal Management, Public-Private Partnerships Programme and the project on Capacity Building for ICM in Northern South China Sea and in the Philippines.

6.1.1 The relevance of the pesticide study to the other countries and the tools used to provide an assessment of risks associated with pesticides was stressed. Information obtained in the studies done at Batangas and Xiamen has been passed on to the local government units for consideration and appropriate action.

6.2 The Meeting also reviewed cooperative activities of the Programme with Australia and Singapore in the conduct of the OPRC Training in Thailand and Brunei Darussalam, the Vietnam/Canada Ocean and Coastal Cooperation Programme assistance in the MARPOL Project and collaboration with the WASTE-Urban Waste Expertise Programme in Batangas Bay.

6.2.1 The delegate from Vietnam stressed the usefulness and importance of the MARPOL workshop and indicated as a result of the workshop, Vietnam is now in the process of seriously considering ratification of other conventions, e.g., the CLC and Fund conventions.

6.3 The representative from UNDP Manila indicated that a project proposal establishing three ICM parallel sites in the Philippines is now in the final stages of completion with funding expected to be in the order of US\$ 1.8M. Support for

this project is consistent with the UNDP country cooperation framework for the Philippines where coastal and marine environment management is a priority area.

- 6.3.1 This proposed project will encourage UN inter-agency collaboration (i.e., UNESCO, FAO, IMO, UNEP, WTO, UNIDO, etc.) and partnership with other donors (e.g., US-AID, CIDA, AUSAID, and the Dutch government). UNDP's strategic considerations in support of this project include: replication of the results of the Regional Programme at the national level to provide viable and cost-effective options for the country; and the replicability of the Regional Programme to help sustain the results obtained from the Programme.
- 6.3.2 The UNDP-Manila representative encouraged participating countries to approach their respective participating country UNDP offices to consider providing support for ICM. Clarification was sought regarding the status of requests for UNDP in-country support in Indonesia, Cambodia and Vietnam for ICM initiatives. The Meeting was informed that UNDP Manila had written the UNDP offices in the region for them to consider support of similar ICM programmes in their country, but to date no responses had been received. On this issue, UNDP-Manila will continue to follow-up with the other offices.
- 6.3.3 The Regional Programme Manager recommended that UNDP-Manila continue with follow-up action in its capacity as host country office for the programme. The Meeting was advised that participating governments are encouraged to approach the respective UNDP country offices for possible support to the establishment of parallel sites in accordance with national priorities.
- 6.3.4 An intervention was made regarding the importance of linking up with academic institutions in the development and implementation of ICM programs. The Regional Programme Manager indicated that in demonstration and parallel sites under the Programme, academic institutions have been and will continue to be involved in implementation of the program.
- 6.3.5 The delegate from Vietnam reiterated national interest to set up ICM sites in the country and indicated that two to three locations have been identified. The delegate from Indonesia also expressed their country's interest to develop ICM sites.

- 6.3.6 The delegate from the Republic of Korea suggested that ICM programs take into consideration technological and scientific inputs. The Regional Programme Manager indicated that the parallel site in Masan-Chinhae Bay, Republic of Korea, should provide a model for the utilization of scientific and technological interventions for ICM.
- 6.4 The Meeting was informed of the support provided by Sida to the Regional Programme through the Coastal Management Center (CMC) in strengthening of research capacity and pollution monitoring in Vietnam and training programs for the region including South-South Cooperation. Activities in Vietnam included the provision of equipment for water quality monitoring to two institutions, the improvement of library facilities in Nha Trang, and assistance in developing research programs of two Institutes of oceanography. The regional project has assisted in the conduct of various workshop and conferences in the region, the publication of ICM reference materials and other training materials (e.g., integrated environmental impact assessment).
- 6.4.1 The representative of Sida confirmed that Sweden was happy to provide continued complementary support to the Regional Programme through its funding of CMC. A component of the Regional Programme considered by Sida to be very attractive is the South-South cooperation - wherein systematic mutual assistance among the developing countries occurred in sharing information and practical experiences. Sida also appreciates the focus of the Programme at the local level and the involvement of the private sector in management action.
- 6.4.2 The Meeting was informed that Sida is drawing up a more comprehensive coastal management program called the "Coastal Initiative" which may offer additional opportunities for extended collaboration to supplement the GEF project if a second phase should take place.
- 6.4.3 The representative from IOC/WESTPAC informed the meeting of the various activities of IOC in the region. These include the North East Asian Regional Global Ocean Observing System (NEAR-GOOS), the start-up of the Health Of The Oceans (HOTO) regional pilot projects in the northeast Asian and southeast Asian regions, and the initiation of the Asia and Pacific phase of the International Mussel Watch Programme. IOC is ready for further cooperation with the Programme through these activities. The Programme Manager

expressed willingness to explore options for cooperation with IOC and initiatives of other groups consistent with the activities of the Programme.

- 6.4.4 The representative from the Malacca Straits Council informed the Meeting of the activities the Council has carried out in 1996/97. These activities included the reinstallation of aids to navigation in the Straits of Malacca and Singapore, the maintenance of aids to navigation in the Straits, and the training of two masters of buoy tenders.
- 6.4.5 The representative from the Japan Association of Marine Safety (JAMS) informed the meeting that JAMS opened an office of a representative in Singapore last year for the purpose of strengthening the relationship between Japan and Asian countries in the field of navigation safety and protecting the marine environment. He also informed the meeting that the JAMS Singapore Representative Office will hold a workshop in 1998 for facilitating the development of the Electric Navigational Charts of the Malacca Straits, with the cooperation of the hydrographic organizations of Indonesia, Malaysia and Singapore.
- 6.4.6 The representative from IUCN (Vietnam) briefed the Meeting on the thrusts of the organization (conservation and sustainable use of natural resources) and their activities in Vietnam. The IUCN representative indicated that IUCN in Vietnam would be well-placed to provide support to ICM initiatives in the country, as appropriate.
- 6.5.7 Mr. Edwards expressed his organization's intent to implement cost sharing projects within IMO's Integrated Technical Cooperation Programme directly relating to the objectives of the Programme and covering countries participating in the Programme, through the PDMO. In this regard he informed the meeting that the IMO Assembly had recently decided to increase IMO's technical cooperation fund and it is anticipated that environmental protection projects for the Asia and Pacific region would continue to figure largely in the overall programme. He cited pipeline and operational projects related to OPRC, strengthening chemical spill preparedness and response in ports, implementation of MARPOL including reception facilities and workshops on detection of violations and enforcement, and safety of navigation and prevention of marine pollution in the Malacca Straits as examples of projects which could be incorporated into the Regional Programme. Other projects

specifically related to maritime safety also contributed to the protection of the marine environment and could be linked to appropriate components of the Programme .

7.0 WORKPLAN FOR 1998 AND PROJECT EXTENSION

7.1 Dr. Chua introduced the following documents to the Meeting:

- Revised Programme Activities, December 1997 (PSC/97/DOC/14);
- 1998 Project Workplans and Budget (PSC/97/DOC/15); and
- 1999 Programme Extension: Rationale and Activities (PSC/97/DOC/16).

7.2 Dr. Chua emphasized that the 1998 workplan concentrated on the completion of case studies on the Xiamen and Batangas Bay demonstration projects, the continuation of capacity building and training activities and the completion of technical sub-projects in the Malacca Straits Demonstration Project and the Sustainable Financing component of the Programme. More than 30 technical reports will be finalized in 1998, along with workshops and conferences on marine pollution monitoring, national legislation, and risk assessment/risk management in the Straits of Malacca.

7.3 With the commitment to complete all technical subprojects in 1998, the Regional Programme Manager emphasized the need for a six-month extension (June 1999) to allow consolidation and synthesis of these data into terminal reports that can be disseminated to participating countries. In addition, the Regional Programme proposed the development and implementation of a Regional Conference in 1999, at which time the outputs and achievements of the project will be presented and distributed to stakeholders throughout the region.

7.4 The Minister of Environment, Cambodia, confirmed Cambodia's support for a six-month Programme extension, to allow time for the preparation and dissemination of technical information and the implementation of a regional conference.

7.5 The Meeting unanimously endorsed the six-month extension to the project as

proposed. The representative from Malaysia supported the six-month extension of the Regional Programme to provide sufficient time for preparation and dissemination of the project reports and achievements. She encouraged the Regional Programme to consider the ways and means of enhancing information dissemination and application. It was suggested that the Programme Office provide technical advice and assistance to those countries wishing to develop national demonstration sites.

- 7.6 The representatives from PR China and the Philippines expressed their Governments' support for the efforts made by the Regional Programme, and advised the Meeting of their willingness to share information and experiences on ICM with other countries in the region. They further outlined the possibility of other participating countries visiting Xiamen and Batangas Bay and the parallel ICM sites, to review the rationale used in site selection, and to see the before and after implications of ICM.
- 7.7 The Regional Programme Manager expressed support for the proposal from PR China and the Philippines delegations. He further discussed the many activities undertaken by the Programme to ensure that all participating countries benefit from the results of the project. It was explained that the Programme Office is available to assist countries wishing to develop demonstration sites, and suggested such initiatives will be undertaken upon approval of the GEF project proposal on building partnerships.

8.0 FUTURE COLLABORATIVE PROGRAMME ACTIVITIES AND PROPOSALS

- 8.1 The Regional Programme Manager provided background information on the draft project brief: Building Partnership for Environmental Protection and Management of the East Asian Seas. Since its adoption by the Third PSC Meeting last December, the project outline has been further elaborated, objectives classified, implementation strategies and modalities developed, based on the inputs coming from various governments, institutions and eminent scientists and experts in the region.
- 8.2 The Regional Programme Manager expounded major programme areas and operational modalities under the draft project proposal pertaining to: 1) building capacity for effective management of coastal areas and subregional seas; 2)

facilitating investment opportunities; 3) advancing of scientific inputs for management improvement; 4) the establishing of an integrated information management system; 5) enhancing collaboration among NGOs, community based organizations, and other stakeholders; 6) strengthening of national coastal and marine policies and strategic action programmes; 7) bringing about sustainable and effective regional collaboration mechanisms for implementation of international conventions and for the protection and management of the region's coastal and marine environment.

- 8.3 Representatives from Cambodia, PR China, Indonesia, Malaysia, the Philippines and Thailand expressed their full support for the draft project proposal. The Minister of Environment, Cambodia, informed the meeting that he has provided written confirmation of support to UNDP-Manila for the new project proposal. The Minister explained that Cambodia wishes to set up a national demonstration site at Sihanoukville, with the assistance of the Programme, and benefiting from the experiences of the Xiamen and Batangas Bay demonstration projects.
- 8.4 The Meeting noted that formal endorsement of the proposal had been provided in writing by Cambodia, PR China, the Philippines and Thailand to UNDP Manila.
- 8.5 The Meeting recognized the importance of consultation among various international and regional initiatives in the preparation of the Programme Document in order to minimize wasteful duplication of efforts and optimize the use of limited resources.
- 8.6 It was noted that successful implementation of the project would install more effective regional collaborative mechanisms based on the enhanced regional capacity and make obsolete any ad hoc arrangements coping with the problems.
- 8.7 Some participants expressed the wish to see the management team developed during the pilot project be kept for the new project, with a view to maintaining the momentum already established during the pilot project.
- 8.8 The Meeting called on the representatives of the countries and the PDMO to inform the country GEF operating focal points on the unanimous support

expressed at the Meeting for the proposed project as appropriate and necessary.

8.9 The Meeting took note of the developments concerning the Marine Electronic Highway, including:

- the assessment of the Highway as a preventive measure to avoid shipping accidents and resulting oil and chemical spillages, as part of the Malacca Straits Demonstration Project;
- the submission of a project proposal to World Bank by a private consultant, in June 1997 on the development of a South East Asia Marine Electronic Highway; and
- follow-up meetings between the three littoral States of the Straits of Malacca and IMO London, in November 1997, to develop a project proposal to formulate a comprehensive evaluation of the technical and financial implications of a marine electronic highway demonstration project. The project proposal will be submitted for discussion by the Tripartite Technical Experts Groups in February 1998.

9.0 CONCLUSIONS AND RECOMMENDATIONS

The Meeting noted:

- that the Programme had made significant progress during the last four years in achieving its objectives and milestones and the strong support provided by the participating countries and the Implementing and Executing Agencies.
- with satisfaction, the achievements made by the Programme in terms of the working models for ICM and risk assessment/risk management, approaches and innovative methodologies which can be replicated within the region and elsewhere.
- that the Programme was able to mobilize in-country and external resources which exceeded US\$9.2 million.

9.1 Demonstration Projects

The Meeting noted:

- 9.1.1 with satisfaction, the significant progress made by the two ICM demonstration projects at Batangas Bay and Xiamen, especially the ICM working models, approaches and methodologies which can be adopted or modified for other coastal areas within each country and the region.
- 9.1.2 with satisfaction, the effort made by the Regional Programme in the extension of the ICM demonstration experience gained from Batangas and Xiamen through assistance in national ICM projects using UNDP country IPF, workshops and training activities.
- 9.1.3 the laudable efforts of the local governments of Batangas Province and Xiamen Municipality for skillfully implementing the project activities.
- 9.1.4 the initiatives taken by China and the Philippines to develop three new parallel sites in each of the respective countries thereby extending the lessons and working models developed by the Programme.
- 9.1.5 with appreciation, the contributions made by Thailand in hosting the Regional Workshop on Partnerships in ICM, 12 - 15 November 1997.
- 9.1.6 the progress being made in the Malacca Straits Demonstration Project despite the delay in the implementation of activities.
- 9.1.7 the usefulness of the risk assessment approach and methodology developed by the Malacca Straits Demonstration Project, not only for assessing risks to human, ecosystem and societal health in the three littoral States of the Malacca Straits, but also for application in other participating countries.
- 9.1.8 with satisfaction, the catalytic role played by the Regional Programme in enhancing cooperation and collaboration among the littoral States at both government and scientific levels to address common transboundary environmental problems within the risk assessment working model.

- 9.1.9 the difficulties encountered by the Programme to obtain updated information on marine pollution, and the specific request for monitoring data on oil and grease in marine and coastal areas of the Malacca Straits.

The Meeting recommended:

- 9.1.10 that the Regional Programme continue its efforts in packaging and extending the demonstration project results and experience across the region.
- 9.1.11 that UNDP continue to use the Country IPF to support the establishment of ICM demonstration and parallel sites in the respective countries, and that the country of the region avail themselves of the opportunity for ICM capacity building.

9.2 Marine Pollution Monitoring and Information Management

The Meeting noted with satisfaction and encouragement:

- 9.2.1 the successes of the integrated marine pollution monitoring program in Xiamen and the results obtained so far. These included:
- the efforts in Batangas Bay to develop a multi-sectoral environmental monitoring program in the bay, thereby providing a model for private sector-public sector partnership in pollution monitoring activities.
 - the establishment of the network electronic mailing list to enhance the exchange of information, experiences and ideas among individual members.
 - the endorsement by the participants of the 2nd workshop of the MPMIM Network for the site-specific integrated marine pollution monitoring concept and the advantages of institutional membership to the MPMIM network.
 - the helpful resource materials generated by the Programme and, in particular, the completion of the Environmental Management Atlas of the Batangas Bay Region, which stands out as a model for the application of GIS as a management tool for ICM.

The Meeting recommended:

- 9.2.2 that national institutions involved in ICM pollution monitoring join the MPMIM network, thereby deriving benefits and contributing to the information base on the state of the environment in the EAS.

9.3 Ratification of International Conventions

The Meeting noted with satisfaction:

- 9.3.1 the public awareness role played by the Programme in promoting the ratification and implementation of marine pollution related conventions as well as the progress of activities implemented by the international conventions component of the Programme.
- 9.3.2 that the number of marine pollution-related protocols, agreement and conventions acceded has reached 63 compared to 34 in 1994.
- 9.3.3 the continuing efforts of the Regional Programme to develop model national legislation and capacity building to implement international conventions.

The Meeting recommended:

- 9.3.4 the implementation of a regional workshop on international conventions as a vehicle to address ways and means to improve the implementation of the global instruments.

9.4 Sustainable Financing Mechanisms

The Meeting noted:

- 9.4.1 that the development of public - private sector partnerships is an innovative sustainable financing mechanism for addressing waste management problems.
- 9.4.2 the concept of encouraging the private sector to take an active role in environmental management where appropriate, and the initiative undertaken by

the Public - Private Partnership Programme of UNDP to develop a pilot project in Batangas Bay.

The Meeting recommended:

- 9.4.3 that the Regional Programme distribute information on innovative approaches to public-private partnerships being developed in Batangas Bay to other participating countries.

9.5 Capacity Building/Training

The Meeting noted:

- 9.5.1 the urgent need to enhance the national capacity to plan and manage the coastal and marine areas, especially at the local levels.
- 9.5.2 with satisfaction, the implementation of training programs on ICM application, OPRC, IEIA, in-service training and internship which greatly benefited the participating countries.
- 9.5.3 with appreciation, the contributions made by Marine Department of Brunei Darussalam, Harbour Department of Thailand, the Department of Environment and Natural Resources (Philippines), Environment and Natural Resources Office of Batangas Provincial Government, Xiamen Demonstration Project Office, National University of Singapore, University of the Philippines (Diliman), Singapore Ministry of Environment and Maritime Port Authority of Singapore and the City University of Hong Kong for collaborating and cooperating with the Programme in implementing the training programs and study tours.

The Meeting recommended:

- 9.5.4 that national institutions of higher learning be encouraged to strengthen their curricula on coastal and marine management and to undertake national training for coastal and marine managers.
- 9.5.5 that the Regional Programme provide technical advice and support in this direction apart from its present training efforts.

- 9.5.6 that the Regional Programme continue its efforts to sustain training through further cost sharing arrangements, training trainers, and customizing training curricula.
- 9.5.7 that study tours to Xiamen and Batangas be organized for senior officials of the participating countries.

9.6 *Ratification and Implementation of MARPOL*

The Meeting noted:

- 9.6.1 the efforts being made in Vietnam and the Philippines to develop implementing legislation for MARPOL 73/78.
- 9.6.2 the commitments of Thailand and the Philippines to ratify MARPOL 73/78 and OPRC 1990.

9.7 *Collaborative/Cooperative Activities with UN Agencies and Other Bilateral/Multilateral Programs, Donor Agencies, Industries and NGOs*

The Meeting noted:

- 9.7.1 the mobilization of external resources by the Regional Programme to strengthen the activities of the Programme and to promote collaboration and cooperation with UN agencies, donors, the private sector, NGOs and national agencies.
- 9.7.2 with appreciation, the support and collaboration of international agencies and institutions, the private sector, donors and NGOs in joint and complementary activities in marine pollution in the region.

The Meeting recommended:

- 9.7.3 that collaboration and cooperation with UN agencies, donors, the private sector and national agencies should be maintained and further enhanced, where possible.

9.8 Mid-term Review Results

The Meeting noted:

- 9.8.1 the positive assessment of the Programme's performance by the Mid-Term Review. The Meeting agreed with the observation that the Programme had made significant headway in achieving its set objectives.
- 9.8.2 the clarification of UNDP, GEF and the PDMO with respect to some of the recommendations of the Review Team.

9.9 Workplan for 1998 and Project Extension

The Meeting recommended:

- 9.9.1 that the Programme be extended to 30 June 1999 at no additional cost to enable the conduct of an international conference, the completion of technical reports and dissemination of the Programme's results.
- 9.9.2 that a final conference be organized to present and distribute the results of the pilot phase.
- 9.9.3 that policymakers, donors, private sectors, scientific communities and NGOs in the region be invited to attend the final conference.
- 9.9.4 the adoption of the Revised Programme Activities by the Tripartite Review.

9.10 Future Collaborative Programme Activities and Proposals

The Meeting noted:

- 9.10.1 the unanimous support expressed by the Meeting for the new project proposal "Building Partnerships for Environmental Management of the East Asian Seas". The Meeting considered that the project proposal provides opportunities to (a) replicate ICM demonstration sites for various environmental concerns which are not yet tested in the pilot phase, (b) adopt the innovative approach and

methodologies developed by the pilot phase for the planning and management of coastal areas; (c) enable the region to deal with coastal and transboundary problems especially at the local and subregional levels; and (d) strengthen regional commitment through a sustainable regional mechanism.

9.10.2 the written support from China, Cambodia, Philippines and Thailand and noted the expression of support by the Minister of the Ministry of Science, Technology and the Environment (MOSTE) of Vietnam in his welcome address to the Meeting.

9.10.3 the developments of the South East Asia Marine Electronic Highway and the plan to prepare a project proposal on the establishment of a demonstration project within the Straits of Malacca.

9.10.4 the efforts of the Secretary-General of IMO in promoting consideration of the concept and facilitating the development of a GEF/PDF project for consideration by the three littoral states.

The Meeting endorsed the project proposal and further recommended:

9.10.5 that the participating countries be urged to signify their support in writing to the new proposal through their respective GEF Operating Focal Points.

9.10.6 that the Regional Programme Manager write the GEF Operating Focal Points in participating countries, advising them of the full endorsement of the new project proposal by the 4th PSC Meeting.

10.0 VENUE AND DATE FOR THE NEXT MEETING

10.1 The representative from Indonesia informed the Meeting that, subject to approval by his Government, Indonesia would be willing to host the Fifth PSC Meeting.

10.2 On behalf of the Meeting, the Chairman expressed appreciation to the Indonesian delegation for the offer to host the Meeting, and requested the Regional Programme Manager to communicate with Indonesia concerning

confirmation of venue. The Meeting recommended that the date of the Fifth PSC Meeting will be early December 1998.

- 10.3 The representative from the Philippines extended an invitation to the Meeting to host the Final PSC and Regional Conference in 1999. The Co-chairman and Regional Programme Manager on behalf of the Meeting, thanked the Philippines for their kind offer and confirmed that the two events would be held back-to-back in Manila.

11.0 VOTE OF THANKS

A vote of thanks was expressed by the delegates to the Co-Chairman and the Government of Vietnam for hosting the Meeting.

12.0 CLOSING CEREMONY

- 12.1 His Excellency, Deputy Minister Honorable Dr. Pham Khoi Nguyen, Ministry of Science, Technology and Environment congratulated the organizers and participants on the successful outcome of the 4th PSC Meeting. He reiterated his country's appreciation for the establishment of a functional regional monitoring network and demonstration sites on integrated coastal management (ICM), good models to consider for future applications in Vietnam. He emphasized that Vietnam will be requesting assistance in the near future for the establishment of a national demonstration site on ICM. The full text of the Deputy Minister speech is in Annex 4.

- 12.2 The Meeting adjourned at 1100 hours, 18 December 1997.

ANNEX 1

List of Participants **Technical Session**



**4th Programme Steering Committee Meeting
Hanoi, Vietnam
15-18 December 1997**

LIST OF PARTICIPANTS

BRUNEI DARUSSALAM

Mr. Haji Othman bin Haji Momin
Director
Marine Department
Ministry of Communications
Jalan, Serasa, Muara 4063, Brunei, Darussalam
Tel: (673-2 771347; 772294
FAX No. (673 2) 771357
E-mail: Bklaut@Brunet.bn

Dr. Joseph Cheok Van Seng
Head of Hydrographic Services
Marine Department
Ministry of Communications
130 Jalan Subok
Bandar Seri Begawan, Brunei, Darussalam
Tel: (673-2 771347
FAX No. (673 2) 771357
E-mail: Bklaut@Brunet.bn

CAMBODIA

H. E. Dr. Mok Mareth
Minister, Ministry of Environment
48, Samdech Preah Sihanouk
Tonle Bassac, Chamkamon
Phnom Penh, Cambodia
FAX NO. 855 234 27844
Phone No.: 855 234 27894

Mr. Long Rithirak
48, Samdech Preah Sihanouk
Tonle Bassac, Chamkamon
Phnom Penh, Cambodia
FAX NO. 855 234 27844
Phone No.: 855 234 27894

PEOPLE'S REPUBLIC OF CHINA

Mr. Chen Guoqiang
Director, Executive Committee Office of
Xiamen Demonstration Project
2nd Floor, Bldg. 1, Bailuzhou,
Hubin Road Chonglu,
Xiamen, Fijian Province P.C. 361012
People's Republic of China
Fax: 86-592 5113741;
Telefax: 86 592 5113741
E-mail: xeco@public.xm.fj.cn

Ms. Chen Yue
Deputy Director, Liason Office for Foreign Economic Cooperation
Department of International Cooperation
State Oceanic Administration
1 Fuxingmenwai Avenue
Beijing 100860, PROC
Telefax: (86-10) 6802 0941; (86-10) 6802 0283
Tel: (86-10) 6802 2211 T.L.

INDONESIA

Mr. Mohammad Gempur Adnan
Director for Water and Marine Pollution Control
BAPEDAL
Arthaloka Building, Lantai XI
Jln. Jend. Sudirman, No. 2
Jakarta 10220, Indonesia
Tel: 6221-2512562; 2511549
Fax: 6221-2511547; 2511483

Mr. Alam Syah Mapparessa
Programme Implementation Coordinator
Directorate for Water and Marine Pollution Control
Environmental Impact Management Agency (BAPEDAL)
Arthaloka Bldg., Lantai XI
Jln. Jend. Sudirman No. 2,
Jakarta 10220, Indonesia
Fax: 6221 251 1547; 251 1483
Tel: 6221 251 2562; 251 1540; 251 1549 ext 209
E-mail: ppal@bapedal.go.id

MALAYSIA

Ms. Hajah Rosnani Ibarahim
Deputy Director-General
Department of Environment, Malaysia
12th Floor, Wisma Sime Darby
Jalan Raja Laut, 50662 Kuala Lumpur
Tel. No. 603-2936235 (d); 603 2947844 (TL)
FAX No. 603-2931044
E-mail: HRI@jas.sains.my

PHILIPPINES

Mr. Rafael E. Camat Jr.
Director
Foreign-Assisted & Special Projects Office (FASPO)
DENR Compound, Visayas Avenue
Diliman, Quezon City
Tel: (63-2) 926 8052; 926-2689
Fax: (63-2) 927 6755
E-mail: RC@denr.gov.ph

Mr. Ramon Paje
Assistant Secretary
DENR
DENR Compound, Visayas Avenue
Diliman, Quezon City
Tel: (63-2) 9280851
Fax: (63-2) 926-4826
E-mail: arjp@denr.gov.ph

Ms. Evelyn Estigoy
Director
PG-ENRO/BBDP
Batangas Provincial Capitol
Batangas City 4200
Tel: (63-43) 980- 8242
Telefax: (63-43) 7232468

REPUBLIC OF KOREA

Dr. Dong Young Lee
Principal Research Scientist
Korea Ocean Research and Development Institute (KORDI)
Ansan P.O. Box 29, Republic of Korea
Tel: 82-345 400 6341
Fax: 82-345 408 5823

E-mail: dylee@sari.kordi.re.kr

SINGAPORE

Mr. Fong Peng Keong
Senior Engineer
International Environment & Policy Department
Ministry of Environment
40, Scotts Road #11-00
Singapore 0922
Tel: (65) 731-9194
Fax: (65) 738-4468
E-mail: Fong_Peng_Keong@env.gov.sg

Capt. Chan Heng Lum
Marine Officer
Maritime Port Authority of Singapore
18th Storey, PSA Building
460 Alexandra Road, Singapore 119963
Fax: (65) 375 1685
Tel: (65) 375 1701
E-mail: hlchan@mpa.gov.sg

Ms. Lee Mui Ngah
Manager (International)
Maritime Port Authority of Singapore
18th storey, PSA Building
460 Alexandra Road, Singapore 119963
Tel: (65) 3751615
Fax: (65) 375 1685
E-mail: mnlee@mpa.gov.sg

THAILAND

Ms. Kannegar Boontanon
Senior Inland Waterway Transport
Planning Expert
The Harbour Department
Ministry of Transport and Communications
1278 Yotha Road, Talardnoi,
Samphantawong District
Bangkok 10100, Thailand
FAX No. (662) 236 7248
Phone No. (662) 233 1318; 236-9990

VIETNAM

Dr. Nguyen Ngoc Sinh
Director-General
National Environment Agency (NEA)
39 Tran Hung Dao, Hanoi, Vietnam
Fax: 844 825 1518
Tel: 844 822 8750; 8242510;
8243322; 8248931

Dr. Pham Van Ninh
Director
Center for Marine Environment Survey
Research and Consultation
244 Doi Can, Hanoi, Vietnam
Fax: 84 4 8333039
Tel: 84 4 8326195

Dr. Nguyen Minh Son
Center for Marine Environment Survey,
Research & Consultation
224 Doi Can Hanoi, Vietnam
Fax : 84 4 833 3039
Tel: 84-4 832 6195

Mr. Hua Chien Thang
Deputy Director of Division, NEA
Ministry of Science, Technology and Environment
National Environment Agency
39 Tran Hung Dao, Hanoi, Vietnam
Telefax: (844) 824-2510

Dr. Bui Hong Long
Vice Director
Nha Trang Institute of Oceanography
No. 01 Cau Da
Nha Trang City, Vietnam
Tel: (84-58) 881153; 881151
Fax: (84-58) 881152
E-mail: hai duong@Nha Trang telic.com.vn

Mr. Nguyen Hong Thao
Deputy Director of Marine Affairs Department
Prof. Of National University of Hanoi
103 Quan Thanh, Hanoi, Vietnam
Tel: (84-4) 804-4236
Fax: (84-4) 823-6920

E-mail: vinh@cori.ac.vn

IMO LONDON

Mr. David Edwards
Senior Deputy Director
Marine Environment Division
International Maritime Organization
4 Albert Embankment
London SE1 7SR, United Kingdom
Fax: 44 171 587 3210
Tel: 44 171 7357611

UNDP Manila

Mr. Jorge Reyes
Senior Programme Manager
UNDP Manila
7th Floor NEDA Sa Makati Bldg.
106 Amorsolo Street, Legaspi Village
Makati, Metro Manila, Philippines
Tel: (63-2) 892 7666
Fax: (63-2) 8164061
E-mail: jorge.reyes@undp.org

UNDP New York

Dr. Andrew Hudson
Principal Technical Advisor
International Waters Expert
Global Environment Facility
United Nations Development Programme
FF-1072 1 United Nations Plaza
New York, NY 10017, U.S.A.
Tel: (212) 906 6228
Fax: (212) 906 6998

UNDP Hanoi

Mr. Gordon Johnson
UNDP Hanoi
25-29 Phan Boi Chau
Hanoi, Vietnam

OBSERVERS

CIDA

Ms. Nguyen Thi Minh Hai
Program/Project Officer
Canadian Cooperation Office
31 Hung Vuong, Hanoi, Vietnam
Tel: (84-4) 832 5500
Fax: (84-4) 843-5560

COASTAL MANAGEMENT CENTER

Dr. Rogelio Juliano
Executive Director
Coastal Management Center
E2603 D Tektite Tower, Exchange Road
Ortigas Center, Pasig City, Philippines
Tel: (63-2) 635-5065; 635-4217
Fax: (63-2) 635-4216

EMBASSY OF DPR KOREA IN VIETNAM

Mr. Pak Sang Gil
Third Secretary of the Embassy of DPR Korea
25 Cao Ba Quot, Hanoi, Vietnam
Tel: (84-4) 845-3008
Fax: (84-4) 823-1221

EMBASSY OF JAPAN IN VIETNAM

Mr. Hiroyuki Egarashi
Third Secretary
Embassy of Japan
61 Truong Chinh Street
Dong Da District, Hanoi, Vietnam
Tel: (84-4) 869-2600; 869-2615
Fax: (84-4) 868-5607

IOC/WESTPAC

Mr. Yihang Jiang
Deputy Director
Intergovernmental Oceanographic Commission
196 Phaholyothin Road, Chatujak, Bangkok, Thailand
Tel: (662) 561-5118
Fax: (662) 561-5119

IUCN

Mr. Hans Frvderim
Country Representative
IUCN-World Conservation Union
P.O. Box 60, Hanoi, Vietnam
Tel: (84-4) 933-0012
Fax: (84-4) 825-8794
E-mail: IUCNVN@Bdvn.vnmuil.vnd.net

Ms. Nguyen Thi Yen
Project Support Officer
IUCN-World Conservation Union
Vietnam Programme
13 Tran Hung Dao, Hanoi, Vietnam
Tel: (84-4) 933-0013

JAPAN ASSOCIATION OF MARINE SAFETY

Mr. Naomi Kawakami
Deputy General Manager
Singapore Representative Office
Japan Association of Marine Safety
16 Raffles Quay #27-03
Hong Leong Bldg., Singapore 048581
Tel: (65) 226 1231
Fax: (65) 226 1219
E-mail: tjams@mbox2.singnet.com.sg
kawakami@peanet.ne.jp

MALACCA STRAIT COUNCIL

Mr. Yukio Ishizaka
Managing Director
Malacca Straits council
Saisui Bldg. 3-6 Toranomom -
Minato-ku, Tokyo 105, Japan
Tel: (813) 3504 0548
Fax:(813) 3504 0540

SIDA/SAREC

Dr. Olof Linden
Adj. Professor/Coordinator, Sida Marine Science Programme
c/o Department of Zoology, University of Stockholm
S-106, 91 Stockholm, Sweden
Tel: 46 156 31077
Fax 46 156 31087

E-mail: olof@Timmermon.se

UNIDO

Mr. Nguyen Khae Tiep
Program Officer
UNIDO-Hanoi, Vietnam
25-29 Phan Boi Chau, Vietnam
Tel: (84-4) 8249000
Fax: (84-4) 826-7484
E-mail: Nguyen.Khae.Tiep@undp.org

RESOURCE SPEAKER

Dr. Angel Alcala
Chairman
Philippine Commission on Higher Education
5/F DAP Bldg., San Miguel Avenue
Ortigas Center Pasig City
Tel: 635 5829
Fax: 633 1926
E-mail: sumanila@gaia.psdn.iphil.net

PDMO

Dr. Chua Thia-Eng
Regional Programme Manager
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712, 920 2211 loc 4 & 6
Fax: 632 926 9712
Email: imo@skyinet.net or imo@klink.com.ph
Wsite: <http://www.skyinet.net/users/imo/>

Mr. Adrian Ross
Senior Programme Officer
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712, 920 2211 loc 4 & 6
Fax: 632 926 9712

Email: imo@skyinet.net or imo@klink.com.ph

Dr. Huming Yu
Senior Programme Officer
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712; 920 2211 loc 4 & 6
Fax: 632 926 9712
Email: imo@skyinet.net or imo@klink.com.ph

Dr. Gil Jacinto
Network Coordinator, MPMIM
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712; 920 2211 loc 4 & 6
Fax: 632 926 9712
Email: imo@skyinet.net or imo@klink.com.ph

Mr. James N. Paw
Technical Programme Officer
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712; 920 2211 loc 4 & 6
Fax: 632 926 9712
Email: imo@skyinet.net or imo@klink.com.ph

Ms. Socorro C. Guerrero
Head, Administration & Finance
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712; 920 2211 loc 4 & 6
Fax: 632 926 9712
Email: imo@skyinet.net or imo@klink.com.ph

Ms. Eden O. Mandac
Programme Management Assistant
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712; 920 2211 loc 4 & 6
Fax: 632 926 9712
Email: imo@skyinet.net or imo@klink.com.ph

ANNEX 2

Full Text of Speeches Opening Ceremony

Welcome Remarks
Dr. Nguyen Ngoc Sinh
Director-General
Ministry of Science, Technology and Environment

Distinguished Heads of Delegations of Brunei Darussalam, Kingdom of Cambodia, People's Republic of China, Indonesia, Malaysia, the Philippines, Democratic Republic of Korea, Singapore, Republic of Korea and the Kingdom of Thailand.

Distinguished Representatives of UNDP New York, UNDP Manila, UNDP Ha Noi, IMO London, PDMO Manila, Malacca Strait Council, the Government of Japan, Japan Association of Marine Safety, Sida, CIDA, UNIDO, IUCN, IOC/WESTPAC and VCEP.

Distinguished foreign and Vietnamese guests and participants.

Good morning ladies and gentlemen:

We are glad to host this very interesting and important Fourth Meeting of the Regional Programme Steering Committee for the East Asian Seas Marine Pollution Prevention and Management, Hanoi, 15-18 December 1997.

On this occasion, I wish to express my best welcome to all of you at this Opening Ceremony.

With your cooperation and efforts, I hope the Meeting will be able to discuss the most important issues and foster the regional cooperation on East Asian Seas pollution prevention and management.

I wish the Meeting all success.

As you know, this is the first time we host the Meeting of the Regional Programme Steering Committee, so we apologize for any inconvenience caused to you.

I wish all of you, ladies and gentlemen, health and having good time in Viet Nam.

Thank you for your attention.

Address of Mr. David Edwards
Senior Deputy Director
Marine Environment Division
International Maritime Organization

Your Excellencies,

Minister Professor Chu Tuan Nha, Ministry of Science, Technology and Environment (Vietnam),
Dr. Nguyen Ngoc Sinh, Director-General, National Environment Agency (Vietnam), Honorable
Ministers. Distinguish Guests, Ladies and Gentlemen.

It is an honour and pleasure for me to join in welcoming you to the Fourth Programme Steering Committee Meeting of the GEF/UNDP/IMO Regional Programme for the Prevention and Management of Marine Pollution in the East Asian Seas. I should like to express on behalf of Mr. William A. O'Neil, the Secretary-General of IMO, our thanks and appreciation to the National Environment Agency for hosting this Meeting and the generous hospitality and warm welcome they have shown to all of us.

I would also like to take this opportunity to welcome the participation of representatives of UNIDO, UNEP, IOC/WESTPAC, the Japan Association of Maritime Safety, the Malacca Strait Council, Sida, IUCN and CMC where are here in an observer capacity. We hope that you continue to actively participate in the implementation of the Programme.

At this important juncture in the development of the Programme, it is indeed most appropriate that we meet here in Vietnam and in this historic city of Hanoi, the oldest capital city in Southeast Asia. There are, in this region and around the world, many negative models on "how not to do it" which enable us to be wise after the event. The *raison d'être* of this Programme and its unique contribution to sustainable development of coastal areas in which 60 per cent of the population of this region live and expect to prosper.

Vietnam, with a coastline of 3,200 km and an exclusive economic zone extending over approximately one million square miles, a growing offshore oil and gas industry, a viable fisheries, aquaculture and tourism sector and with expanding port development, shipping and external trade, is very much a coastal country whose future lies seaward. It is indeed a country which can provide the world with positive models for the next century.

As many of you are aware, next year is the International Year of the Ocean, it is also the 50th anniversary of the International Maritime Organization which is cooperating with its sister UN organizations to ensure that we use this opportunity to raise public and political awareness of ocean and coastal issues. I trust that it will be possible to incorporate the achievements of the Regional Programme into the planned events which include a UN ocean atlas and international symposium on marine pollution.

Looking back over the history of IMO, the most significant change in our priority is the enhanced focus on the human element in marine safety and environmental protection and the need to concentrate on building the capacity of countries to implement international conventions and non-binding instruments through regional cooperation and in partnerships with industry.

There is also a recognition in IMO that marine environmental protection is a cross sectoral issue requiring an integrated approach which is, of course, reflected in the Regional Programme. It can come as no surprise, therefore, that IMO takes very seriously its responsibility as executing agency for this Programme and is honoured to serve the

governments of the region in this capacity. IMO decided early on in the development of this project that the key to its success was a strong regional Programme Management Office, staffed with highly competent and motivated experts from inside and outside the region and I am sure that the beneficiary countries would agree that we are extremely fortunate to have such a team in the PDMO in Manila under the visionary leadership of Dr. Chua.

Although IMO is a relatively small agency we also decided to reinforce the PDMO with the assignment of a senior technical officer from IMO Headquarters and local administrative support staff, the cost of which is covered by the IMO Technical Cooperation Overhead account. Since 1995 and projected through June 1999 this amounts to an expenditure of over a 0.5 million US\$.

I am also pleased to draw to your attention to the fact that following decisions taken by the IMO Assembly last month there will be increased funding for IMO's Integrated Technical Cooperation Programme bringing the total for 1996-1999 to approximately 8.5 million US\$. Projects related to the protection of the marine environment in the Asia-Pacific region represent a substantial sub-programme within this overall programme. IMO has funded cost-sharing projects which contribute directly to objectives of the project (e.g., regional training in marine pollution preparedness and response, implementation of MARPOL, enforcement of conventions, establishment of reception facilities, safety of navigation and prevention of marine pollution in the Malacca Straits, etc.) (approximately 700,000 US\$).

We in IMO have every reason to anticipate that the level of support for the implementation of projects related to the protection of the marine environment in the East Asian Seas region will be maintained and, indeed, attract additional funding support in view of the obvious maritime orientation of the countries in this region.

Finally, I should also mention that IMO is committed to establishing a "regional presence" in the regions of the world to facilitate needs assessment and delivery of its programme. Funds will be allocated to support the establishment of posts on a cost-sharing basis with host states employing experts from different regions for this task.

Turning to the important work before the steering committee this week, I would like to take a few minutes to focus on four major points which will be discussed over the next couple of days.

As you know, the Regional Programme underwent an objective and thorough mid-term evaluation by external assessors in April of this year. With respect to the general conclusion of the Expert Team, IMO is of the view that the Programme has gone a long way towards achieving the overall objective and targets stipulated in the Programme Document, notwithstanding the inherent complexities of this project and the need to focus far more energy than was originally anticipated by the project authors, on enabling activities.

Second, during last year's Third Programme Steering Committee Meeting held in Kuala Lumpur, Malaysia, it was explained that Programme delivery was behind schedule in a couple of areas. It was acknowledged that the Malacca Straits Demonstration Project and Sustainable Financing components of the Regional Programme were lagging behind the original project schedule, principally as a result of extensive consultations that were undertaken with the participating countries and other stakeholders prior to initiation of the related activities.

IMO is of the view that, although the technical sub-projects will be completed in 1998, it is important that sufficient time be allocated for consolidating the results into a form that can be used by stakeholders in the Straits, and elsewhere in the region.

Furthermore, given that a significant effort has been made over the past four years of the Regional Programme to develop and enhance national capacities in marine pollution prevention and management, IMO believes that there is a need to organize a regional conference to consolidate and present final results of the Regional Programme. Such an event can only be successful if it is adequately prepared and all project activities have been completed and reports prepared which means it could only realistically be held in 1999.

We therefore feel that a six-month Programme extension through to June 1999 is justified and necessary.

Thirdly, in October of this year we were all reminded of the risk exposure created by the fact that 27 per cent of the world's seaborne oil transits the Malacca Straits, when the Tanker *Evoikos* collided with the unladen Tanker *Orapin Global* just off Singapore spilling 8.5 million gallons of heavy fuel oil. Although we did not need it, it was a reminder of the importance of the Malacca Straits Demonstration Project. It is well acknowledged that the Regional Programme has been an important catalyst in advancing proposals and providing continuing support for the development of a Marine Electronic Highway in the region. Following the adoption of performance standards for the Electronic Chart Display and Information Systems (ECDIS) by the IMO Assembly in late 1995, the Marine Electronic Highway is seen as a technology that would enhance safety and efficiency in navigation, as well as reduce risk of oil and chemical spills and the resulting pollution of marine and coastal areas.

The Marine Electronic Highway represents the integration of telecommunication technologies, ECDIS/Electronic Navigational Charts, as well as the transmission of real-time tidal and current information. It is one of the most significant advancements in navigation safety since the introduction of radar. In this light, the World Bank project proposal on the South East Asian Marine Electronic Highway is an opportunity for nations along the Highway to fully participate in a New Precision Technology Industry. While the World Bank takes the lead role in facilitating the financial partnerships that are necessary to make the highway a reality, IMO sees the Regional Programme as a catalyst for bringing together the major stakeholders from the maritime and marine environment sectors in the region. Following meetings between the representatives of Singapore, Malaysia and Indonesia and the Secretary-General of IMO and relevant staff during the IMO Assembly in November, it is anticipated that more detailed consideration would be given to a specific project proposal during the regular Malacca Straits tripartite technical meeting to be held in Singapore in February 1999.

Finally, a new project proposal, building upon the concepts, approaches and methodologies developed over the past four years of the GEF pilot phase, will be tabled for discussion during this meeting. IMO fully supports the proposal and its objectives and urges countries, international organizations and donor agencies participating in this meeting to do likewise. The advancements of the past four years are too important, and as yet too fragile, to leave unattended.

IMO stands ready to support and to co-ordinate the development and implementation of the proposed project.

On behalf of the Secretary-General, I hope that this meeting will once again renew all our commitments to the Programme objectives and, more specifically, to the prevention and management of marine pollution and the sustainable development of the marine and coastal resources of the East Asian Seas.

**Address of Dr. Andrew Hudson
Principal Technical Advisor, International Waters
UNDP-GEF**

Dr. Sinh, Mr. Edwards, Prof. Chu, Steering Committee members and other distinguished guests.

On behalf of UNDP headquarters and GEF, I would like to welcome everyone to the 4th Programme Steering Committee meeting of the GEF/UNDP/IMO Regional Programme for the Prevention and Management of Marine Pollution in the East Asian Seas, and to first express deep thanks and appreciation to the government of Vietnam and UNDP Vietnam field office for hosting this meeting here in Hanoi.

With over a billion people living in the coastal areas, combined with some of the world's fastest rates of economic growth and industrialization, the East Asian Seas region faces significant environmental degradation from land and sea-based pollution sources, habitat loss, and unsustainable harvesting of marine resources.

Since 1993, the GEF/UNDP/IMO programme has been developing, testing, refining and disseminating an innovative integrated coastal management framework aimed at addressing marine pollution from both land and sea-based sources. In addition, the programme has worked to assist governments in ratifying and implementing international maritime conventions; helped build regional capacities for marine pollution monitoring, and the development of workable financial mechanism and innovative public-private sector partnerships to sustain environmental management activities. Through these diverse activities, the program has made a substantial contribution towards the realization of sustainable development in the East Asian Seas region.

The East Asian Seas programme is of particular significance to UNDP and GEF for several reasons, including:

- Along with other key global sites such as the Black Sea, Red Sea and Danube River, the project represents one of UNDP's most mature GEF International Waters projects, making the programme a key source of valuable 'lessons learned' and 'best practices' in support of ongoing and future GEF International Waters project development and implementation.
- The project serves as an excellent example of successful interagency cooperation between the implementing and executing agencies, UNDP and IMO.
- The project provides a unique opportunity for GEF and its partners to test new and innovative local, national and regional approaches to the restoration and sustainable management of transboundary water bodies.

I look forward this week to joining the Steering Committee in reviewing the most recent progress of the programme and the 1998 Work Plan, and to working with project staff and key stakeholders in the coming months in the formulation and finalization of a 'next phase'; GEF intervention in the region in the framework of the GEF Operational Strategy and Operational Programmes in the International Waters focal area.

Thank you.

Opening Address of the Honorable Minister Professor Chu Tuan Nha Ministry of Science, Technology and Environment, Vietnam

Distinguished representative of the United Nations Development Programme, distinguished representative of the International Maritime Organization, distinguished manager of Regional Programme for East Asian Seas Pollution Prevention and Management, distinguished foreign and Vietnamese guests and participants,

Ladies and Gentlemen,

I have the honor on behalf of the Government of Vietnam to welcome you all the Fourth Meeting of the Regional Programme Steering Committee for East Asian Seas Pollution Prevention and Management, (RAS/92/G34), held in Hanoi from 15-18 December 1997.

The Fourth Meeting of Regional Programme Steering Committee in Vietnam is an important environmental event for Vietnam. At present, our country is in process of transforming, being afforded the opportunity for regional and worldwide cooperation, thus increasing interest in marine economy.

In the past, since becoming an official member of the Regional Programme, Vietnam has actively participated in the programme and achieved several results such as: training of research and managerial staff; strengthening of capability on sea monitoring at two marine research institutions; exchanging experience between managers and researchers on research and management of marine environment in particular, integrated management of coastal zone; participating in environmental legislative network of region; and implementing convention for the prevention of pollution from ships MARPOL 73/78.

We support the ideas and approaches that the Programme as well as initiatives on the proposed project "Building Partnership" for countries to consider on this occasion. Vietnam also expresses its willingness to receive international assistance to build a demonstration project on integrated management at its coastal area.

We consider that, maintaining this regional mechanism will serve as a good basis for research cooperation, contribution to solving transboundary marine environmental problems that we are very interested in.

I wish the meeting all success. I wish all of you, ladies and gentlemen, health and hope you have a good time in Vietnam.

Thank you for your attention.

ANNEX 3

Fourth PSC Agenda:

Technical Session
Tripartite Review Session

**GEF/UNDP/IMO REGIONAL PROGRAMME FOR THE PREVENTION
AND MANAGEMENT OF MARINE POLLUTION IN THE EAST ASIAN SEAS**

**Fourth Programme Steering Committee Meeting
15 - 18 December 1997,
Hanoi, Vietnam**

PROVISIONAL AGENDA

15 December (Monday)

- | | |
|------|------------------|
| 0830 | Registration |
| 0900 | Opening Ceremony |
| 0945 | Coffee Break |

TECHNICAL SESSION

- | | | |
|------|-----|---|
| 1000 | 1.0 | Organizational Matters |
| | 1.1 | Election of Co-Chairperson and Rapporteur |
| | 1.2 | Other organizational matters |
| | 2.0 | Approval of Provisional Agenda |
| 1030 | 3.0 | Review Project Status |
| | 3.1 | Demonstration Sites: |
| | | 1. Batangas Bay |
| | | 2. Xiamen |
| | | 3. Malacca Straits |
| | 3.2 | Pollution Monitoring and Information Management |
| | 3.3 | Ratification of International Conventions |
| | 3.4 | Sustainable Financing |
| | 3.5 | Capacity Building/Training |
| 1300 | | Lunch |

1430		Continue discussion on Review Project Status
1530		Coffee Break
1600	4.0	Ratification and Implementation of MARPOL
1630	5.0	Mid-Term Review Results
1730		Conclusion of the Day

16 December (Tuesday)

0830	6.0	Collaborative/ Co-operative activities with UN agencies and other bilateral/multilateral programmes/donor agencies, industries and NGOs.
0930	7.0	Work plan for 1998 and project extension
1015		Coffee Break
1130	8.0	Future Collaborative Programme/Activities/Proposals
1300		Lunch
1430	9.0	Conclusions and Recommendations
1530		Coffee Break
1600	10.0	Other Business
	10.1	Venue and date for next meeting
1630	11.0	Adoption of Report
1800	12.0	Closing of Technical Session

17 December (Wednesday)

Field Trip to Ha Long Bay

18 December (Thursday)

TRIPARTITE REVIEW

1000	1.0	Organizational matters
	2.0	Adoption of Agenda
1015		Coffee Break

1030	3.0	Matters arising from the 1996 Tripartite Review
1115	4.0	Presentation of the Project Performance Evaluation Report (PPER)
	4.1	Concept and Design
	4.2	Achievements and Problems
	4.3	Operational Issues
1215		Lunch
1430	5.0	Presentation of the conclusion and recommendations of the Fourth Programme Steering Committee Meeting
1530	6.0	Workplan and Budget for 1998 and Programme Extension
1630	7.0	Recommendations
1630		CLOSING CEREMONY

ANNEX 4

Full Text of Speech Closing Ceremony

**Closing Remarks by Dr. Pham Khoi Nguyen
Deputy Minister of Science, Technology and Environment**

Distinguished Representatives of UNDP New York, Hanoi and Manila, IMO London and PDMO Manila, distinguished guests from Brunei Darussalam, Cambodia, PR China, DPR Korea, Malaysia, RO Korea, Indonesia, Kingdom of Thailand, Philippines, Singapore and Vietnam.

Ladies and Gentlemen,

During the past three days, the Meeting has been carried out in a scientific way, very hardworking and on time. We have learned much from the well prepared reports and discussed the most important issues concerning outcome and proposal to be implemented under the framework of this Programme. The Meeting has been addressed by invited guests from international organizations and views exchanged on Programme activities.

We recognized how big and complicated the Regional Programme is, but this truly has many valuable achievements contributing to regional activities on East Asia Seas Pollution Prevention and Management. We highly regard the Programme activity on strengthening the training capacity, research work and marine environment management for Vietnam to allow more active participation in the Programme. We highly appreciate the establishment of regional monitoring networks and in particular, the result of demonstration site on integrated coastal management. This is a good model to consider for application.

I learned that the Meeting has had positive contribution from all reporters, delegations and international organizations. We hope that the proposed project proposal "Building Partnership" which has been considered during this Meeting will be put into reality so that obtaining technical assistance from international funding agencies can be facilitated early.

Once again, I want to make emphasis that Vietnam is willing to request for assistance in having an ICM demonstration site in Vietnam. We consider this as a model to be applied for other sites along the coast of Vietnam. I believe that the Programme will require Vietnam to contribute more actively.

The Meeting held this time has proved the benefit of a concrete and fruitful cooperation among the nations in the region to effectively absorb international assistance in the field of marine environment protection.

I hope, ladies and gentlemen, you have had a joyful tour in Ha Long Bay, one of the world heritage sites which we are very proud of. However, it has put much pressures on us due to the fact that this site is under threat from uncontrolled regional economic development.

Taking this opportunity I would like to thank all of the delegations for their contribution to the success of the Meeting. I would like to thank the Meeting organizers, Dr Chua Thia-Eng and in particular the Meeting Secretariat. I thank the National Environment Agency and the Centre for International Conferences for their tremendous efforts to ensure the success of the Meeting.

I wish all of you, ladies and gentlemen, health and good journey home. See you again in Vietnam. Thank you for your attention.

ANNEX 5

List of Documents

FOURTH PROGRAMME STEERING COMMITTEE MEETING
Hanoi, Vietnam
15-18 December 1997

List of Documents

ITEM NO.	AGENDA ITEM	DOCUMENT	DOCUMENT NUMBER
<i>Technical Session</i>			
2.0	Provisional Agenda	Annotated Provisional Agenda	PSC/97/DOC/01
3.0	Review Project Status	1997 Annual Report	PSC/97/DOC/02a
3.1	Demonstration Projects	Overview of Achievements	PSC/97/DOC/02c
		Xiamen Demonstration Project	PSC/97/DOC/02c.1
		Batangas Demonstration Project	PSC/97/DOC/02c.2
		Malacca Straits Demonstration Project	PSC/97/DOC/02c.3
3.2	Marine Pollution Monitoring and Information Management	Marine Pollution Monitoring and Information Management	PSC/97/DOC/02c.4
3.3	Ratification of International Conventions	Ratification of International Conventions	PSC/97/DOC/02c.5
3.4	Sustainable Financing	Sustainable Financing Mechanisms	PSC/97/DOC/02c.6
3.5	Capacity Building/Training	Progress Overview on Capacity Building and Training	PSC/97/DOC/02c.7
4.0	MARPOL Project	Overview of the Achievements of the MARPOL Project	PSC/97/DOC/03
5.0	Mid-Term Review	Mid-Term Project Evaluation Report	PSC/97/DOC/04
6.0	Collaborative/Co-operative Activities	Initial Risk Assessment of Pesticides in Batangas Bay and Xiamen Seas (FAO)	PSC/97/DOC/05
		Capacity Building for ICM in the Philippines (DENR/UNDP)	PSC/97/DOC/06
		Strategic Initiative for Ocean and Coastal Management (UNDP)	PSC/97/DOC/07
		Public-Private Partnerships Programme of UNDP: Executive Summary	PSC/97/DOC/08
		SAREC Bilateral Marine Programme: Status Report	PSC/97/DOC/09
		WASTE - Urban Waste Expertise Programme: Status Report	PSC/97/DOC/10
		Australia Assistance to OPRC Training in Thailand and Brunei Darussalam: Summary Report	PSC/97/DOC/11
		Vietnam/Canada Ocean and Coastal Cooperation Programme - MARPOL Project: Executive Summary	PSC/97/DOC/12
		Capacity Building for ICM in Northern South China Sea (UNDP/PR China)	PSC/97/DOC/13
7.0	Workplan and Budget	Revised Programme Activities 1998/1999	PSC/97/DOC/14
		1998 Project Workplans	PSC/97/DOC/15
		1999 Programme Extension: Rationale and Activities	PSC/97/DOC/16
8.0	Future Collaborative Activities	Draft Project Brief: Building Partnerships for the Environmental Protection and Management of the East Asian Seas	PSC/97/DOC/17
		The South East Asia Marine Electronic Highway	PSC/97/DOC/18

Tripartite Review

2.0	Provisional Agenda	Annotated Provisional Agenda	PSC/97/DOC/01
3.0	Matters arising from the 1996 Tripartite Review	Report of the Executing Agency on the recommendations of the 1996 Tripartite Review	
4.0	Presentation of PPER	1997 Project Performance Evaluation Report	PSC/97/DOC/19
5.0	Conclusions and Re-commendations of 4th PSC Meeting	Fourth PSC Meeting Report	
6.0	1998 Workplan and Budget	1998/1999 Programme and Project Workplans and Budget	PSC/97/DOC/14 & 15
		1999 Programme Extension: Rational, Activities and Budget	PSC/97/DOC/16

**GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution
in the East Asian Seas**

**PROCEEDINGS OF THE FOURTH PROGRAMME
STEERING COMMITTEE MEETING**

TRIPARTITE REVIEW SESSION

Hanoi, Vietnam, 15-18 December 1997

A. INTRODUCTION

- i. The Tripartite Review (TPR) of the GEF/UNDP/IMO Regional Programme for the Prevention and Management of Marine Pollution in the East Asian Seas (RAS/92/G34) was held in Hanoi, Vietnam, on 18 December 1997, upon the conclusion of the Technical Session of the Fourth Meeting of the Programme Steering Committee (PSC). The TPR was hosted by the Government of Vietnam.
- ii. The TPR was attended by representatives from the 9 participating countries, namely: Brunei Darussalam, Cambodia, Indonesia, Malaysia, People's Republic of China, Philippines, Singapore, Thailand and Vietnam.
- iii. The TPR was also attended by representatives from the United Nations Development Programme (UNDP) New York, UNDP Hanoi and UNDP Manila Country Offices, the International Maritime Organization (IMO), London, and the IMO Programme Development and Management Office (PDMO), Manila.
- iv. A full list of participants is provided in Annex 6.

1.0 ORGANIZATIONAL MATTERS

- 1.1 Dr. Andrew Hudson, Principal Technical Advisor, International Waters Expert, Global Environment Facility, UNDP New York, chaired the Meeting. The Meeting was declared open at 1145 hours, 18 December 1997.

2.0 ADOPTION OF AGENDA

- 2.1 The provisional agenda was adopted by the Meeting, as provided in Annex 3.

3.0 MATTERS ARISING FROM THE 1996 TRIPARTITE REVIEW MEETING

- 3.1 Dr. Chua, the Regional Programme Manager briefed the Meeting on the measures taken to address recommendations of the 1996 TPR meeting including:
- a) organization of a consultative meeting to review and adopt a workplan for the Malacca Straits Demonstration Project;
 - b) acceleration in Programme delivery; and
 - c) continuing technical and administrative backstopping of the Regional Programme by IMO Headquarters.
- 3.2 The Meeting noted with satisfaction that all measures had been implemented as recommended.

4.0 PRESENTATION OF THE PROJECT PERFORMANCE EVALUATION REPORT (PPER)

- 4.1 Dr. Chua introduced the PPER (PSC/97/DOC/19) to the Meeting and reviewed the progress of main activities of 1997 and the achievements gained, including the progress made at the three demonstration sites, the establishment of a marine pollution monitoring program within the ICM framework, the development of instruments for use by the Regional Network of the Legal Aspects of Marine Pollution, sustainable financing mechanisms and capacity building activities. Dr. Chua informed the Meeting that, to date, the Programme was able to mobilize

additional resources amounting to US\$9.28 million in support of related marine pollution prevention and management initiatives in the region.

- 4.2 Dr. Chua advised the Meeting of progress on the Malacca Straits Demonstration Project, particularly the development of the risk assessment/risk management framework for subregional sea areas. It was stressed that the demonstration project activities being implemented are those agreed upon at the March 1997 consultative meeting (Cebu, Philippines) involving the three littoral States and the Regional Programme.
- 4.3 The Meeting was informed that all technical subproject activities will be completed during 1998, including all capacity building and training commitments. The Regional Programme Manager stressed that substantial commitment of time and resources will be made to prepare and publish case studies for each demonstration site. However, such reports cannot be completed until all technical subprojects have finished. Likewise, a terminal report on the Regional Programme will be completed only upon the conclusion of all project activities and outputs.
- 4.4 The Meeting was informed that, in 1997, UNDP and GEF had undertaken separate evaluations on the Regional Programme's performance and achievements. The results of the evaluations were favorable and positive. The Regional Programme is considered by GEF and UNDP as a showcase project, drawing attention to its management and operating strategies, especially with regard to private-public partnerships and other sustainable financing mechanisms.
- 4.5 Dr. Chua then reviewed the seven recommendations of the PPER (page 4), particularly the aspects affecting Programme delivery. He stressed that:
 - a) focal points need to be more responsive to Programme communications, particularly with regard to country nominations for workshops, meetings and training courses (Recommendation 2). It was noted that the next ICM training course is scheduled for October 1998, and the next IEIA for December 1998. If nominations are not forthcoming from the National Focal Points, the Regional Programme Manager advised the Meeting that the openings will be offered to other countries;

- b) a six-month extension to the Programme schedule (i.e., to 30 June 1999) is recommended in order to allow preparation and dissemination of the large number of technical reports, a Regional Conference on the outputs of the Programme and the completion of a terminal report (Recommendation 3);
 - c) further consideration of the need for and extent of a final evaluation of the Regional Programme, considering the recently completed evaluations by both UNDP and GEF (Recommendation 4);
 - d) support from UNDP and the participating governments for a proposed new project entitled, "Building Partnerships for the Protection and Management of Marine Environment of the east Asian Seas", with a scheduled start-up in 1999 (Recommendation 5);
 - e) UNDP to encourage the establishment of parallel ICM sites in countries throughout the region, with the support of UNDP Indicative Programme Planning Figures, in line with the start-up of the proposed new project in 1999 (Recommendation 6); and
 - f) a call to participating governments to invite the Government of Japan to participate in the Regional Programme activities, particularly if the proposed new project proceeds (Recommendation 7).
- 4.6 The Meeting was informed that Programme publications are being distributed to the 11 participating countries as well as to countries in other regions. It was suggested that the current mailing lists for Programme publications was out of date, and needed to be reviewed.
- 4.7 The representative from Malaysia, Hajah Rosnani Ibarahim, suggested that country mailing lists be provided to each national focal point for review and updating. She further suggested the use of the Programme's Web site to provide a list of available publications and a short abstract on each report.
- 4.8 Mr. Jorge Reyes, Senior Programme Manager, UNDP Manila, expressed general satisfaction with the PPER. He commented that activities under Output 3.3, page 44 of the PPER, needed to be clarified in order to establish the linkage between the "incorporation of standards identified in international instruments"

and the development of a Local Government Code and a model ordinance/legislation.

4.9 The Meeting concluded that:

4.9.1 the words, "Malaysia has privatized waste treatment and disposal", be deleted from subparagraph viii), page 56 of the PPER, and that the words, "studies/projects on" be added between the words "launched" and "sewage";

4.9.2 additional financial support would have to be secured from external sources by the Regional Programme Manager in order to support the cost of a Regional Conference on the Programme outputs;

4.9.3 the Regional Conference will provide an international forum of senior officials for launching the proposed new project and the Regional Network of Local Governments;

4.9.4 the format, timing and extent of the final evaluation of the Regional Programme will be discussed between the Regional Programme Manager, UNDP and IMO; and

4.9.5 the concept paper on the proposed new project was well-conceived and the new project will be beneficial to the Region.

4.10 The Meeting recommended that:

4.10.1 National focal points take a more active role in responding to Programme communications, in order to enhance national benefits from capacity building and training activities;

4.10.2 National focal points review and update mailing lists of agencies and individuals in their respective country to streamline the dissemination of Programme publications;

4.10.3 National focal points nominate candidates for the ICM Training in September 1998 and the IEIA Training in November 1998;

- 4.10.4 a final evaluation of the Regional Programme be conducted in 1998 and evaluation modalities be discussed between GEF, UNDP and IMO;
- 4.10.5 the Regional Programme continue with the development of the proposed new regional project;
- 4.10.6 the existing management and professional team which has been put together to develop and implement the ongoing Regional Programme be maintained for the new project; and
- 4.10.7 the Government of Japan be advised of the new project, and be extended an early invitation to participate.

5.0 CONCLUSIONS AND RECOMMENDATIONS FROM THE FOURTH MEETING OF THE PROGRAMME STEERING COMMITTEE

- 5.1 The Meeting adopted the conclusions and recommendations of the Technical Session of the Fourth PSC Meeting (refer to the minutes of the Technical Session, Section 9.0) as the Tripartite Review actions.

6.0 WORKPLAN AND BUDGET/PROGRAMME EXTENSION

- 6.1 Dr. Chua presented the revised Programme activities, the proposed 1998 workplan and budget, and the workplan and budget for the proposed six-month extension to the Programme (i.e., respective documents PSC/97/DOC/14; PSC/97/DOC/15; and PSC/97/DOC/16).
- 6.2 The Meeting noted that the 6-month extension of the Regional Programme to June 1999 would be helpful in reducing the heavy workload of the PDMO staff as the Programme winds down.
- 6.3 The Meeting was informed that US\$0.56 million had been budgeted for the six-month extension as a result of realignment of the Programme budget and through a contribution from the IMO trust account.

- 6.4 The Meeting adopted the revised Programme activities, the 1998 workplan and budget, including the 1999 Programme extension.

7.0 Meeting Closure

- 7.1 The Chairman thanked all participants for attending the Meeting and extended his appreciation to the Government of Vietnam and the management and staff of the Ministry of Science, Technology and Environment for their hospitality and support, and to the Secretariat for their efficient services.
- 7.2 The Tripartite Review Meeting was declared closed at 1245 hours, 18 December 1998 with vote of thanks to the Chairman and the Secretariat.

ANNEX 6

List of Participants

Tripartite Review

4th Programme Steering Committee Meeting
Hanoi, Vietnam
15-18 December 1997

LIST OF PARTICIPANTS

BRUNEI DARUSSALAM

Mr. Haji Othman bin Haji Momin
Director
Marine Department
Ministry of Communications
Jalan, Serasa, Muara 4063, Brunei, Darussalam
Tel: (673-2 771347; 772294
FAX No. (673 2) 771357
E-mail: Bklaut@Brunet.bn

Dr. Joseph Cheok Van Seng
Head of Hydrographic Services
Marine Department
Ministry of Communications
130 Jalan Subok,
Bandar Seri Begawan, Brunei, Darussalam
Tel: (673-2 771347
FAX No. (673 2) 771357
E-mail: Bklaut@Brunet.bn

CAMBODIA

H. E. Dr. Mok Mareth
Minister, Ministry of Environment
48, Samdech Preah Sihanouk
Tonle Bassac, Chamkamon
Phnom Penh, Cambodia
FAX NO. 855 234 27844
Phone No.: 855 234 27894

Mr. Long Rithirak
48, Samdech Preah Sihanouk
Tonle Bassac, Chamkamon
Phnom Penh, Cambodia
FAX NO. 855 234 27844
Phone No.: 855 234 27894

PEOPLE'S REPUBLIC OF CHINA

Mr. Chen Guoqiang
Director, Executive Committee Office of
Xiamen Demonstration Project
2nd Floor, Bldg. 1, Bailuzhou, Hubin Road Chonglu,
Xiamen, Fijian Province, People's Republic of China 361012
Fax: 86-592 5113741;
Telefax: 86 592 5113741
E-mail: xeco@public.xm.fj.cn

Ms. Chen Yue
Deputy Director, Liason Office for Foreign Economic Cooperation
Department of International Cooperation
State Oceanic Administration
1 Fuxingmenwai Avenue, Beijing 100860, PROC
Telefax: (86-10) 6802 0941; (86-10) 6802 0283
Tel: (86-10) 6802 2211 T.L.

INDONESIA

Mr. Mohammad Gempur Adnan
Director for Water and Marine Pollution Control
BAPEDAL
Arthaloka Building, Lantai XI
Jln. Jend. Sudirman, No. 2, Jakarta 10220, Indonesia
Tel: 6221-2512562; 2511549
Fax: 6221-2511547; 2511483

Mr. Alam Syah Mapparessa
Programme Implementation Coordinator
Directorate for Water and Marine Pollution Control
Environmental Impact Management Agency (BAPEDAL)
Arthaloka Bldg., Lantai XI, Jln. Jend. Sudirman No. 2, Jakarta 10220, Indonesia
Fax: 6221 251 1547; 251 1483
Tel: 6221 251 2562; 251 1540; 251 1549 ext 209
E-mail: ppal@bapedal.go.id

MALAYSIA

Ms. Hajah Rosnani Ibarahim
Deputy Director-General
Department of Environment, Malaysia
12th Floor, Wisma Sime Darby
Jalan Raja Laut, 50662 Kuala Lumpur
Tel. No. 603-2936235 (d); 603 2947844 (TL)
FAX No. 603-2931044
E-mail: HRI@jas.sains.my

PHILIPPINES

Mr. Rafael E. Camat Jr.
Director
Foreign-Assisted & Special Projects Office (FASPO)
DENR Compound, Visayas Avenue, Diliman, Quezon City
Tel: (63-2) 926 8052; 926-2689
Fax: (63-2) 927 6755
E-mail: RC@denr.gov.ph

Mr. Ramon Paje
Assistant Secretary
DENR
DENR Compound, Visayas Avenue, Diliman, Quezon City
Tel: (63-2) 9280851
Fax: (63-2) 926-4826
E-mail: arjp@denr.gov.ph

Ms. Evelyn Estigoy
Director
PG-ENRO/BBDP
Batangas Provincial Capitol, Batangas City 4200
Tel: (63-43) 980- 8242
Telefax: (63-43) 7232468

SINGAPORE

Mr. Fong Peng Keong
Senior Engineer
International Environment & Policy Department
Ministry of Environment
40, Scotts Road #11-00, Singapore 0922
Tel: (65) 731-9194
Fax: (65) 738-4468
E-mail: Fong_Peng_Keong@env.gov.sg

Capt. Chan Heng Lum
Marine Officer
Maritime Port Authority of Singapore
18th Storey, PSA Building
460 Alexandra Road
Singapore 119963
Fax: (65) 375 1685
Tel: (65) 375 1701
E-mail: hlchan@mpa.gov.sg

Ms. Lee Mui Ngah
Manager (International)
Maritime Port Authority of Singapore
18th storey, PSA Building
460 Alexandra Road, Singapore 119963
Tel: (65) 3751615
Fax: (65) 375 1685
E-mail: mnlee@mpa.gov.sg

THAILAND

Ms. Kannegar Boontanon
Senior Inland Waterway Transport
Planning Expert
The Harbour Department, Ministry of Transport and Communications
1278 Yotha Road, Talardnoi,
Samphantawong District, Bangkok 10100, Thailand
FAX No. (662) 236 7248
Phone No. (662) 233 1318; 236-9990

VIETNAM

Dr. Nguyen Ngoc Sinh
Director-General
National Environment Agency (NEA)
39 Tran Hung Daop, Hanoi, Vietnam
Fax: 844 825 1518
Tel: 844 822 8750; 8242510; 8243322; 8248931

Dr. Pham Van Ninh
Director
Center for Marine Environment, Survey Research and Consultation
244 Doi Can, Hanoi, Vietnam
Fax: 84 4 8333039
Tel: 84 4 8326195

Dr. Nguyen Minh Son
Center for Marine Environment Survey, Research and Consultation
224 Doi Can Hanoi, Vietnam
Fax : 84 4 833 3039
Tel: 84-4 832 6195

Mr. Hua Chien Thang
Deputy Director of Division, NEA
Ministry of Science, Technology and Environment
National Environment Agency
39 Tran Hung Dao, Hanoi, Vietnam
Telefax: (844) 824-2510

Dr. Bui Hong Long
Vice Director
Nha Trang Institute of Oceanography
No. 01 Cau Da, Nha Trang City, Vietnam
Tel: (84-58) 881153; 881151
Fax: (84-58) 881152
E-mail: hai duong@Nha Trang teltic.com.vn

Mr. Nguyen Hong Thao
Deputy Director of Marine Affairs Department
Prof. Of National University of Hanoi
103 Quan Thanh, Hanoi, Vietnam
Tel: (84-4) 804-4236
Fax: (84-4) 823-6920
E-mail: vinh@cori.ac.vn

IMO LONDON

Mr. David Edwards
Senior Deputy Director
Marine Environment Division
International Maritime Organization
4 Albert Embankment, London SE1 7SR, United Kingdom
Fax: 44 171 587 3210
Tel: 44 171 7357611

UNDP Manila

Mr. Jorge Reyes
Senior Programme Manager
UNDP Manila
7th Floor NEDA Sa Makati Bldg., 106 Amorsolo Street, Legaspi Village
Makati, Metro Manila, Philippines
Tel: (63-2) 892 7666
Fax: (63-2) 8164061
E-mail: jorge.reyes@undp.org

UNDP New York

Dr. Andrew Hudson
Principal Technical Advisor
International Waters Expert, Global Environment Facility
United Nations Development Programme
FF-1072 1 United Nations Plaza
New York, NY 10017, U.S.A.
Tel: (212) 906 6228
Fax: (212) 906 6998

UNDP Hanoi

Mr. Gordon Johnson
UNDP Hanoi
25-29 Phan Boi Chau
Hanoi, Vietnam

PDMO

Dr. Chua Thia-Eng
Regional Programme Manager
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712, 920 2211 loc 4 & 6
Fax: 632 926 9712
Email: imo@skyinet.net or imo@klink.com.ph
Wsite: [http://www.skyinet.net users/imo/](http://www.skyinet.net/users/imo/)

Mr. Adrian Ross
Senior Programme Officer
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712, 920 2211 loc 4 & 6
Fax: 632 926 9712
Email: imo@skyinet.net or imo@klink.com.ph

Dr. Huming Yu
Senior Programme Officer
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712; 920 2211 loc 4 & 6
Fax: 632 926 9712
Email: imo@skyinet.net or imo@klink.com.ph

Dr. Gil Jacinto
Network Coordinator, MPMIM
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712; 920 2211 loc 4 & 6
Fax: 632 926 9712
Email: imo@skyinet.net or imo@klink.com.ph

Mr. James N. Paw
Technical Programme Officer
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712; 920 2211 loc 4 & 6
Fax: 632 926 9712
Email: imo@skyinet.net or imo@klink.com.ph

Ms. Socorro C. Guerrero
Head, Administration & Finance
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712; 920 2211 loc 4 & 6
Fax: 632 926 9712
Email: imo@skyinet.net or imo@klink.com.ph

Ms. Eden O. Mandac
Programme Management Assistant
GEF/UNDP/IMO Regional Programme for the
Prevention and Management of Marine Pollution in the East Asian Seas
DENR Compound, Visayas Avenue, Quezon City, Philippines
Tel: 632 926 9712; 920 2211 loc 4 & 6
Fax: 632 926 9712
Email: imo@skyinet.net or imo@klink.com.ph