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**PROCEEDINGS OF
THE THIRD
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)*

**Kuala Lumpur, Malaysia
10-12 December 1996**

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- **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)*

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

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

TECHNICAL SESSION

Kuala Lumpur, Malaysia, 10-12 December 1996

A. INTRODUCTION

- i. The Third 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 Forum Fairlane Hotel, Kuala Lumpur, Malaysia, from 10 to 12 December 1996. The Meeting was hosted by the Government of Malaysia.
- ii. The Meeting was attended by delegates of the 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, as well as observers representing the Government of Japan, the Malacca Strait Council, the Japan Association of Marine Safety, the Coastal Management Center, the Swedish International Development Agency (Sida), the Maritime Institute of Malaysia, and the Danish Cooperation for Environment and Development (DANCED).
- iii. Also represented at the Meeting were the United Nations Development Programme (UNDP) Kuala Lumpur Regional Office and Manila Country Office, United Nations Environment Programme Regional Coordinating Unit of COBSEA, Bangkok, the Intergovernmental Oceanographic Commission/Western Pacific (IOC/WESTPAC), the International Maritime Organization (IMO), London, and the IMO Programme Development and Management Office, Manila.

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

B. OPENING CEREMONY

- i. Hajah Rosnani Ibarahim, Deputy Director-General, Department of Environment, Ministry of Science, Technology and Environment, Malaysia, welcomed the participants and observers to the PSC Meeting for the GEF East Asian Seas Marine Pollution Programme.
- ii. Mr. Oleg Khalimonov, Director, Marine Environment Division, IMO, London, also welcomed the participants and observers to the Meeting. In his address, he stressed the various developments at IMO with respect to amendments to international conventions related to navigational safety, compensation for pollution damage, seafarer training, salvage and sea disposal of waste materials, as well as technical assistance and capacity building. He also reminded the gathering of the scheduled mid-term Tripartite evaluation of the Programme early next year which was designed to provide a review of the status of the Programme, and make recommendations for improving efficiency and impact of the Programme. Mr. Khalimonov concluded his remarks by stating that IMO was committed to the Regional Programme and the partnership that had been established with the participating governments of the region.
- iii. The UNDP Deputy Regional Representative of Malaysia, Mr. Neil Buhne cited various activities of the Programme and highlighted a number of achievements, especially the establishment of networks on marine pollution monitoring and the legal aspects of marine pollution. He encouraged the participating countries to establish ICM parallel sites building upon the achievements of the Xiamen and Batangas Bay demonstration sites. Mr Buhne challenged the Meeting to achieving the following outputs:
- ways and means of extending ICM sites throughout the region;
 - strengthening information dissemination;
 - promoting ratification of international conventions;
 - setting up regional and international forums to address technical and policy issues related to ICM and environmental management of subregional seas;
 - strengthening the participation of countries in the Programme;
 - co-operative activities with other agencies and programs; and

- development of new initiatives which build on the progress of the Regional Programme.
- iv. The Honorable Deputy Minister, Ministry of Technology, Science and Environment, Malaysia, YB Dato Abu Bakar bin Daud, delivered the opening address on behalf of the Government of Malaysia. In his address, YB Dato Abu Bakar emphasized the need to improve institutional capacity to plan and manage the coastal areas, seas and oceans and in particular, welcomed the Programme's effort to undertake marine pollution risk assessment in the Malacca Straits that will lead to an action plan to manage the Straits. He, likewise, encouraged the user States to join the effort of the Japanese Government in collaboration with the littoral States in ensuring Malacca Straits clean and safe for users. He further emphasized that it is about time that an international conference on the Malacca Straits be organized under the auspices of the IMO and the Regional Programme, involving users and the littoral States in such an effort. On behalf of the Government of Malaysia, he requested the IMO to continue helping the region strengthen its capabilities in implementing international conventions and ensuring that the Malacca Strait is kept clean and healthy.
- v. The text of the presentations made during the Opening Ceremony are contained in Annex 2.

1.0 Organizational Matters

- 1.1 Mr. Neil Buhne assumed the position of co-chair for the Meeting. Hajah Rosnani Ibarahim of Malaysia was unanimously elected as co-chair and Dr. Dong-Young Lee of the Republic of Korea was elected as rapporteur.
- 1.2 Dr. Chua Thia-Eng, Regional Programme Manager, recalled the recommendations that had been made at the Second Meeting of the Programme Steering Committee in 1995 and identified the 1996 Annual Report (PSC/96/DOC/02) as the principal reference document for the Technical Session.
- 1.3 Dr. Chua identified the list of documents, and stated that only a limited number of copies of some documents were available to the Meeting. However, participants were advised that these documents could be sent directly from the Programme Office in Manila upon request.

2.0 Adoption of Agenda

The Meeting adopted the agenda, as provided in Annex 3.

3.0 Review of Project Status

Dr. Chua, introduced the 1996 Annual Report which had been prepared under the theme, "Marine Pollution Prevention and Management: From Planning to Action" (PSC/96/DOC/02). He highlighted several milestones in 1996, including two major conferences organised by the Programme with co-sponsorship of various national and international bodies on the subjects of integrated coastal management (ICM) and sustainable financing mechanisms for marine pollution prevention and management. He highlighted that the Programme has mobilized close to US\$7.39 million to complement programme activities. He pointed out that the Programme outputs thus far have been substantial and encouraging although actual programme expenses fell short of targeted budget levels. He encouraged the participating countries to provide guidance on strengthening the implementation of the Programme in the coming year.

3.1 Demonstration Sites

- 3.1.1 Dr. Huming Yu, Technical Adviser to the Programme, highlighted progress made at the ICM demonstration sites in Batangas, Philippines and Xiamen, China. He outlined common elements distilled from the demonstration activities which could be applied elsewhere. He also discussed how, through consolidation of results, the two models could be used in extending ICM practices to other coastal sites in the region. He recalled that the project outputs in Xiamen and Batangas were reviewed at an international ICM conference in May 1996. The conference had endorsed the strategy and work that were undertaken.
- 3.1.2 Ms. Evelyn Estigoy of the Philippines briefed the Meeting on the catalytic role played by the Batangas demonstration project. She informed the Meeting of the institutional framework for marine pollution prevention and sustainable development that had been established in Batangas, namely, the Batangas Bay Council for Integrated Coastal Management and the Environment and Natural Resources Office as its operational arm. She mentioned in particular the public and private sector partnerships that had been established for addressing the issue of integrated waste management in Batangas Bay.

- 3.1.3 Mr. Liu Xili, Deputy Director-General, Integrated Marine Management Department of State Oceanic Administration, and Mr. Chen Guoqiang, Director, the Office of Xiamen Demonstration Project, P. R. China, informed the Meeting of the success in tackling multiple coastal and marine use conflicts by the integrated management mechanisms developed as a result of the demonstration project.
- 3.1.4 The Meeting sought further information on the experience gained in Xiamen and Batangas for building ICM mechanisms with multi-sectoral participation and the associated problems. In response, the representatives from China and the Philippines stressed that the strong political will for innovative coastal management approaches and change of attitudes towards ICM goals were prerequisites for the project success.
- 3.1.5. Malacca Straits:
- 3.1.5.1 Mr. Adrian Ross, Senior Programme Officer, IMO Manila, reviewed the objectives and principal components of the Malacca Straits Demonstration Project. He stressed that much of 1996 had been devoted to the completion of the Draft Malacca Straits Environmental Profile, a copy of which was distributed to the Meeting (PSC/96/DOC/07). A brief overview of the profile contents, and an explanation of the application of the profile as the principal resource document for the proposed risk assessment component of the demonstration project, was provided.
- 3.1.5.2 Mr. Ross identified the proposed outputs for the risk assessment exercise, including:
- an initial risk assessment report on marine pollution in the Malacca Straits
 - identification of data gaps and uncertainties
 - a risk assessment workshop involving stakeholders from the three littoral States
 - an action plan for risk assessment/risk management framework development and application.

- 3.1.5.3 Referring to another initiative that had been undertaken in 1996, Mr. Ross reviewed the status of a desk study (i.e., a literature review) on the feasibility of designating the Malacca Straits as a Special Area under MARPOL 73/78. The project, which is scheduled to be completed by year-end, will provide the littoral States with information on the legal, socio-economic, environmental and financial implications of designating the Straits a Special Area, and the practicality and usefulness of such an endeavour. The output will be available for use in future discussions concerning marine pollution management in the Straits of Malacca.
- 3.1.5.4 Mr. James Paw, Technical Programme Officer, IMO Manila, introduced the "Environmental Management Atlas" concept to the Meeting. Mr. Paw explained that the Atlas was an extension of the environmental profiles that had been developed at Xiamen, Batangas and Malacca Straits Demonstration Sites. GIS maps are being developed for each site, to serve as a user-friendly reference for policy-makers, planners and other stakeholders working in the respective areas. The concept is to put the profile data into electronic format, so that it can be easily updated.
- 3.1.5.5 Dr. Huming Yu reviewed the activities related to implementation of the oil spill modelling for the Malacca Straits project. He advised the Meeting of the significant contribution made by the Republic of Korea, through KORDI, by hosting a workshop in Pusan in June 1996. A set of guidelines for improving oil spill modelling efforts through international cooperation on a subregional level was produced, and a draft action plan for application of common models in the Straits of Malacca was developed. Dr. Yu emphasized that, subsequent to the workshop, proposals had been received from the three littoral States on cooperation in testing and validating a common model for the Straits. The submissions had been consolidated into a single proposal, and would be considered under Item 7.0 of the agenda (Future Collaborative Programs/Activities/Proposal).
- 3.1.5.6 The Meeting noted the progress that had been made in the Malacca Straits over the past 12 months. In recognition of the working relationships that had been established among the littoral States in managing marine pollution in the Straits over the years, the Meeting agreed that the States' representatives should meet in a separate session to discuss the proposed activities for 1997.

The Secretariat was requested to report the results of that session to the Meeting during discussions on the 1997 workplan and the budget.

- 3.1.5.7 Mr. Khalimonov reminded the Meeting of the potential indirect benefits of the Special Area designation, including political and social benefits of publicly raising the profile of a particular water-body. Stakeholders become aware of the special status, and begin to modify behaviour accordingly. He also pointed out that discussions had been initiated in IMO concerning more stringent conditions being imposed on ships in transit through Special Areas, such as reporting requirements.

3.2 Marine Pollution Monitoring and Information Management (MPMIM)

- 3.2.1 The MPMIM Network Coordinator, Dr. Gil Jacinto, presented the major accomplishments in 1996 under two categories: networking and capacity building. Networking activities included the holding of the inception workshop for the Regional Network on Marine Pollution Monitoring that resulted in specific recommendations by and for Network members, the completion of the directory of institutions and experts involved in coastal and marine environments in the East Asian Seas Region, the finalization of the Marine Pollution Monitoring Sampling and Analysis Manual, the publication and distribution of several issues of the Programme's "Updates" and "Tropical Coasts", and the development of a Web page on the Regional Network. Dr. Jacinto advised the Meeting that the Web page would be available on the Internet in early 1997.
- 3.2.2 Dr. Jacinto explained to the Meeting that capacity building activities in marine pollution monitoring had focused on Cambodia, DPR Korea and Vietnam. The activities included a workshop on "Marine Water Sampling and Field Measurements" in Vietnam, assistance in the development of project proposals for pollution monitoring activities at proposed demonstration sites, and assistance in the acquisition of equipment and supplies.
- 3.2.3 Dr. Jacinto stated that interest had been expressed in using the Internet as a medium to exchange information among Network members by using a network-maintained mailing list and the Web page. He concluded that the

likelihood of linking the Legal Network, as well as other major activities of the Programme, to the Web page was also a possibility.

3.3 International Conventions

- 3.3.1 Dr. Chua explained the background to the international convention component of the Programme and the developmental work that had been achieved by Dr. A.G.M. La Viña. Dr. Chua indicated that Dr. La Viña had joined the Department of Environment and Natural Resources as its Undersecretary for Legal Affairs, but continued to serve in an honorary capacity as the Co-ordinator of the international conventions component of the Programme. However, due to other commitments, Dr. La Viña was unable to attend the PSC meeting. The Meeting extended congratulations to Dr. La Viña on his appointment to the position of Undersecretary of Legal Affairs, Department of Environment and Natural Resources, Philippines.
- 3.3.2 Mr. Ross reviewed the progress of the international conventions component of the Programme. He informed the Meeting of the organization of the Regional Network on the Legal Aspects of Marine Pollution, and the development of legal information database for use by the Network. The Meeting was advised that the Regional Network held an inception workshop in March 1996 (PSC/96/DOC/17). Outputs from the workshop included a mission statement for the Network and an action plan which was designed to assist the Network membership to develop and strengthen their capacity to effectively prepare, enact and implement national legislation and agreements on marine pollution in accordance with obligations under international conventions.
- 3.3.3 The Meeting noted that the Programme had prepared a legal information database catalogue of materials (PSC/96/DOC/18) and developed a computerized cataloguing system for the efficient storage and retrieval of identified international, regional and national regulations, policies and commentaries. Mr. Ross explained that, at present, requests for information from the database would involve transmission of materials in hard copy. In 1997, the Programme would attempt to put the catalogued materials into electronic format.

- 3.3.4 Mr. Ross informed the Meeting that an assessment of national legislation on marine pollution had been initiated in six countries, namely Cambodia, Indonesia, Malaysia, the Philippines, Thailand and Vietnam. The purpose of the work was to identify existing constraints to ratification and implementation of international conventions, and to share information on the approaches used by countries in the East Asian region to overcome some of the constraints. The output of the work is expected in early 1997.
- 3.3.5 It was emphasized that the Programme was forging links with other institutions and agencies within and outside the region, concerning the legal aspects of marine pollution. Mr. Ross cited activities with the Asia Pacific Center for Environmental Law (APCEL), Faculty of Law, National University of Singapore (NUS) and the Malaysian Institute of Maritime Affairs (MIMA), namely, a workshop on the ratification and implementation of MARPOL 73/78 and the preparation of a guideline on national legislation framework for marine pollution, respectively.
- 3.3.6 Mr. Ross stated that the current membership in the Regional Network was 46, and that efforts were being made to increase the size and coverage of the Network, particularly to include expanded representation from DPR Korea, Brunei, Vietnam and China.
- 3.3.7 The representative of Cambodia, Mr. Pou Savath, raised the question of national obligations under international conventions, and how a country that has been isolated from the international community for a number of years can begin to renew its commitment to such agreements. Mr. Khalimonov confirmed that countries requiring technical and legal assistance to fulfill the obligations of international conventions should make their needs known to IMO. With such requests, IMO can then proceed to solicit funding and/or technical support to address the identified needs.
- 3.3.8 Ir. Alam Syah Mapparessa, the representative of Indonesia, requested assistance from IMO to address the liability and compensation issues under the CLC and Fund Conventions. Mr. Khalimonov recommended that the representative forward his request to the IOPC Fund Secretariat, based at the IMO headquarters in London, indicating the specific concern and requesting support. Expertise is available within the IOPC Secretariat to address specific

enquiries as well as to provide the necessary training and technical support for ratification and implementation of the CLC and Fund Conventions.

3.4 Sustainable Financing Mechanisms

3.4.1 Mr. Ross reviewed the progress that had occurred in the development of the sustainable financing component of the Programme, identifying the three elements of activity, namely: case studies on public sector-private sector partnerships; practical mechanisms and opportunities for investment in marine pollution initiatives; and mobilization of resources. The Meeting was informed that the work was geared towards determining how governments could promote and facilitate public sector-private sector partnerships and the mechanisms that were available, including joint ventures, privatization, build-operate-transfer (BOT) and similar schemes, cargo taxation and user fees. In addition, the Programme had identified a number of opportunities where such partnerships could be applied, including integrated waste management, information management, a marine electronic highway, oil spill response and marine pollution monitoring;

3.4.2 The Meeting was advised that the results of the various studies and research were presented at the Regional Conference on Sustainable Financing Mechanisms for Marine Pollution Prevention and Management: Public Sector-Private Sector Partnerships, held in Manila from 14 to 16 November 1996. Mr. Ross pointed out that the Conference concluded that marine pollution prevention and management is shared responsibility between the two sectors. Findings and recommendations of the Conference, which were directed at the various stakeholders in the government and the private sector, at the local, national and international levels, encouraged the development of policies, mechanisms and approaches which would assist the formation of partnerships. Specifically, it was noted that UNDP had been requested to encourage national and local governments to develop the necessary integrative planning and management frameworks in marine pollution management through country Indicative Planning Figures (IPF). Furthermore, IMO had been requested to organize a conference of littoral States and user States of the Straits of Malacca and Singapore to review alternative mechanisms for sharing the financial burden of maritime safety, navigational aids and marine pollution prevention and management within the Straits.

3.4.3 Mr. Ross indicated that, in 1997, the Programme would be concentrating on the development and promotion of identified financial mechanisms and partnership opportunities, particularly at each of the demonstration sites. The outcome of these efforts, if proven successful, could then be applied in other areas of the region.

3.5 Capacity Building/Training

3.5.1 Dr. Huming Yu briefed the Meeting on the Programme training activities undertaken in order to address the needs of both individual countries and the region as a whole, through regional courses, assistance to national training, in-service training, staff exchanges and an internship program. The training component covered such areas as ICM application, GIS, marine pollution monitoring techniques, integrated environmental impact assessment (IEIA), and oil spill pollution preparedness, response and cooperation (OPRC).

3.5.2 With regard to OPRC training, the representative of Thailand expressed interest in the subregional cooperative scheme for combating oil spills, particularly in the Gulf of Thailand. The representative of DPR Korea noted that the marine pollution monitoring program in Nampo, which was developed with the Programme assistance, was the first of its kind in his country. He hoped for the program's speedy implementation.

4.0 Ratification and Implementation of MARPOL

4.1 Dr. Chua reminded the Meeting that a project on the ratification and implementation of MARPOL 73/78, funded by the Government of Norway and implemented as part of the International Convention component of the Regional Programme, had been initiated in 1996. Four countries had agreed to participate in the project, namely Cambodia; Indonesia; the Philippines and Vietnam. The objective of the project is to assist the four countries to strengthen their capacities to ratify and/or implement MARPOL.

- 4.2 Mr. Ross explained that an initial workshop had been held in Singapore in November 1996, to develop individual work plans with the four participating countries. The workshop was co-sponsored by IMO, the Asia Pacific Center for Environmental Law (APCEL), Faculty of Law, National University of Singapore (NUS) and the Maritime and Port Authority (MPA) of Singapore. It was recalled how the combined inputs of resource persons from the three agencies, assisted in identifying and discussing problems and developing practical steps which would allow the countries to move forward to ratify and implement MARPOL.
- 4.3 The Meeting was advised that each country developed a short-term work plan during the workshop. The work plans would be implemented with the support of the Regional Programme and IMO in 1997. It was also identified that the MARPOL project was a demonstration of the practical application of the Regional Network on the Legal Aspects of Marine Pollution, in that it was bringing together members of the Network to address specific problems faced by countries in ratifying and implementing an international convention.
- 5.0 Collaborative/Cooperative Activities with UN Agencies and Other Bilateral/Multilateral Programs, Donor Agencies, Industries and NGOs.**
- 5.1 Dr. Chua advised the Meeting of the various collaborative activities that the Programme had undertaken over the past year with donor agencies, namely: Sida/SAREC Marine Science Program, DANCED, and IDRC; and the NGO, CMC. He also emphasized the support provided by national government agencies and institutions, namely KORDI, the Malaysian Institute of Maritime Affairs (MIMA), the National University of Singapore (NUS), the Maritime and Port Authority of Singapore, the Marine Science Institute of the University of the Philippines (MSI-UP), the National Environment Agency of Vietnam, the State Oceanic Administration (SOA) of China, the Xiamen University, China, and the Department of Environment and Natural Resources, Philippines. Dr. Chua also advised the Meeting of the cooperation with IOC/WESTPAC, FAO and UNEP/COBSEA in implementing various aspects of the Programme.

- 5.2 Dr. Olof Linden, Sida/SAREC Marine Science Programme, reviewed the role and motives of his agency in supporting capacity building and research in the management of coastal resources in South East Asia and East Africa. He concluded that Sida was pleased with the accomplishments that had been made during its association with the Regional Programme, and indicated that two to three years of additional financial support had been committed to the ongoing efforts in the region, in conjunction with the Regional Programme.
- 5.3 The DANCED representative, Mr. Ooi Diang Ling, expressed his interest in the progress that had been reported on the Regional Programme. He indicated that he was interested in forging closer relationships with the Programme, in DANCED's ongoing efforts in coastal management in Malaysia.
- 5.4 Mr. Hyung Tack Huh, IOC/WESTPAC, reviewed the major programs of IOC in the region and pledged continuing cooperation with the Regional Programme.
- 5.5 Ms. Ch'ng Kim Looi of UNEP/Co-ordinating Body of the Sea of East Asia (COBSEA) informed the Meeting of a GEF project that had recently been approved for implementation by COBSEA. The project involved transboundary movement of contaminants, and focused in the South China Sea. Ms. Ch'ng also recalled that UNEP had been tasked with coordinating the implementation of the Global Programme of Action (GPA), as adopted in November 1995 in Washington. She indicated that the GPA was being implemented through COBSEA in the region, and such activities were complementary to the Regional Programme.
- 5.6 Dr. Rogelio Juliano, CMC, identified the various activities that the NGO had been undertaking with the support of Sida and the Regional Programme, including development of integrated EIA training modules, ICM workshops and the publication of the "Tropical Coasts" newsletter.
- 5.7 The representative of the Malacca Strait Council, Mr. Yukio Ishizaka, reviewed the contributions made by the Council with respect to marine pollution prevention and management in the Malacca and Singapore Straits. He advised the Meeting that, with the increase in vessel traffic, it was clear that closer collaboration between littoral States and user States in the management of the Straits is needed. The Meeting was informed that the Japan Association of

Marine Safety had recently opened an office in Singapore, to facilitate enhanced communication with the littoral States.

5.8 A fax received from Mr. Arun Abraham, IDRC, was presented to the Meeting. Mr. Abraham expressed his regret for not being able to attend the meeting because of previous commitments. He indicated that IDRC is embarking on two new projects on marine pollution prevention, aimed at public sector-private sector partnerships, and encouraged continuing collaboration between IDRC and the Programme.

6.0 Workplan for 1997

6.1 Dr. Chua introduced PSC/96/DOC/22 and PSC/96/DOC/23, the Revised Programme Activities and Budget 1997-1998, and the 1997 Quarterly Budget and Project Workplans and Budget. In addressing the issue of scheduling training programs, Dr. Chua advised that a schedule would be developed in early 1997. He urged participating countries to provide the names of their nominees in a timely manner. It was pointed out that, because some countries did not respond to the Programme's requests for nominations, opportunities for training were lost.

6.2 In addressing the 1997 workplan and budget for the Malacca Straits Demonstration Site, Mr. Ross reviewed the conclusions that had been reached during a separate session with representatives of the littoral States. The results of the session were:

6.2.1 The initial risk assessment of marine pollution in the Malacca Straits will proceed early in 1997, using the draft Malacca Straits Environmental Profile, October 1996 version, as the principal resource document for the assessment;

6.2.2 The initial risk assessment will focus on three aspects of risk:

- ecological risk;
- public health risk; and
- societal risk (i.e., aggregate risk to society, including total adverse health and environmental effects: probabilities and consequences to individuals grouped by occupation, geographic location, sex or race).

- 6.2.3 The assessment will include consideration of impacts of incremental and catastrophic incidents of marine pollution, arising from both land-based and sea-based sources;
- 6.2.4 Following completion of the initial risk assessment, copies of the draft report will be forwarded to the National Focal Points in the littoral States for review;
- 6.2.5 A consultative meeting between the littoral States and the Regional Programme will be held in Manila in March/April 1997. The purpose of the meeting will be to review and finalize the initial risk assessment report, and to develop an action plan for follow-up activities in the Malacca Straits Demonstration Site; and
- 6.2.6 Substantive Programme activities related to the Malacca Straits Demonstration Site will not proceed until the action plan has been agreed to at the Manila consultative meeting.
- 6.3 The Programme Manager advised the Meeting that the Malacca Straits component of the 1997 Programme budget would remain as indicated in PSC/96/DOC/22, until such time as the results of the consultative meeting are known.

7.0 Future Collaborative Programme Activities and Proposals

- 7.1 The Regional Programme Manager introduced the following proposed initiatives in achieving the Programme goals:
- the development of ICM demonstration site in Masan-Chinhae Bay, the Republic of Korea;
 - three additional demonstration sites in P.R. China under UNDP country IPF;
 - three additional demonstration sites in the Philippines under UNDP country IPF;
 - guidelines for the preparation of plans of actions for addressing marine pollution from land-based sources;
 - participation in project development for "International Waters Learning and Exchanges Network (GEF)";
 - Concept Proposal: Building Partnership in the East Asian Seas Region;
 - application of common oil spill models for the Malacca Straits; and
 - marine electronic highway for the Malacca Straits.

- 7.2 He explained in particular the background for and major elements in the Concept Proposal (PSC/96/DOC/22) and pointed out that the actions contemplated therein could be important to consolidate the Programme results and to achieve its long-term objectives.
- 7.3 The representative of Singapore expressed strong interest and support for the marine electronic highway and the proposed study for the Malacca Straits. In his view, the project, if implemented, would contribute significantly to the navigational safety and pollution risk reduction.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 *Demonstration Projects*

The Meeting noted:

- 8.1.1 the success achieved by the regional demonstration projects in Batangas and Xiamen in developing the ICM framework and tools for marine pollution prevention and management;
- 8.1.2 the implementation of the strategies by the Batangas and Xiamen projects, namely: building consensus among the various stakeholders, the linkage between science and management, the public and private sector partnership, the integrated management of waste and monitoring of marine pollution;
- 8.1.3 with appreciation, the outputs produced by Batangas and Xiamen demonstration projects including the environmental profiles, strategic environmental management plans and integrated waste management action plan;
- 8.1.4 with appreciation, the support given by the local governments of Batangas and Xiamen in the implementation of the demonstration projects;
- 8.1.5 the interests of Cambodia, the Democratic People's Republic of Korea, Indonesia, the Philippines and Vietnam in developing national ICM demonstration projects for marine pollution prevention and management;

- 8.1.6 with appreciation, the conduct of the International Workshop on Integrated Coastal Management in Tropical Developing Countries: Lessons Learned from Successes and Failures, Xiamen, China, 24-28 May 1996 (the ICM Workshop), and the outputs produced, notably the guidebook, "Enhancing the Success of Integrated Coastal Management" (PSC/96/DOC/08);
- 8.1.7 with appreciation, the support provided to the ICM Workshop by the State Oceanic Administration of the People's Republic of China, DANCED, Sida/SAREC Marine Science Programme and Coastal Management Center;
- 8.1.8 with appreciation, the support provided by the Korea Ocean Research and Development Institute (KORDI) of the Republic of Korea in the conduct of the Regional Workshop on Oil Spill Modelling, Pusan, Republic of Korea, 31 May and 3 June 1996;
- 8.1.9 with appreciation, the efforts and cooperation of the Governments of Indonesia, Malaysia and Singapore in providing data and documentation used in the Malacca Straits Environmental Profile;
- 8.1.10 the complexity of the Malacca Straits project and the related activities involving the three littoral States;
- 8.1.11 the need for continuing collaboration between the Programme Office and the national focal points on the project activities, including the completion of an initial risk assessment of marine pollution in the Malacca Straits and the preparation of a risk assessment/risk management framework which may be utilized as a management instrument in other subregional sea areas of the East Asian Seas;
- 8.1.12 that land-based sources of pollution contribute to the bulk of marine pollution in the Straits of Malacca, and the need to have a balanced set of Programme activities to deal with land- and sea-based sources of marine pollution in the Straits of Malacca.

The Meeting recommended:

- 8.1.13 that the Programme distill the experience and lessons learned from the Batangas and Xiamen demonstration projects, refine and package them into working models for potential application elsewhere in the region;
- 8.1.14 the incorporation of ICM strategies and practices into planning, economic development, land and sea use management, social and environmental services and fiscal policies of governments of the region, particularly at the local level;
- 8.1.15 that priority be accorded to the development of national ICM demonstration projects for marine pollution prevention and management through mobilization of various resources, e.g., UNDP Country IPF, and the networking of these projects on the regional level;
- 8.1.16 that the Programme continue its efforts to assist in the development of national ICM demonstration projects through provision of technical advice, dissemination of related information, workshops and training;
- 8.1.17 that the national focal points disseminate and make full use of the outputs generated thus far by the Programme at the ICM demonstration sites in the development of national ICM projects;
- 8.1.18 in 1997, the organisation of a Regional Technical Conference on the Application of Integrated Coastal Management for the Prevention and Management of Marine Pollution in the East Asian Seas for the purposes of: (a) distilling experiences and lessons learned from the Programme for regional extension; and (b) consultation on the strategies and approaches to the development and regional networking of national ICM demonstration projects and sites.
- 8.1.19 the concerned focal points continue to extend their assistance to the project personnel in the development and implementation of the Malacca Straits project;
- 8.1.20 a consultative meeting between the littoral States and the Programme be organized in the first quarter of 1997 to review a draft report on marine pollution risk assessment in the Straits of Malacca and to prepare a follow-up action plan.

8.2 *Marine Pollution Monitoring and Information Management*

The Meeting noted:

- 8.2.1 the development and proposed availability of the Web Page for the MPMIM Network and the prospects for the effective exchange of information through the Internet;
- 8.2.2 the plans to set up an electronic mailing list which will be available in early 1997 and accessible through E-mail to enable and optimize the exchange of information among Network members.

The Meeting recommended:

- 8.2.3 the provision of pollution monitoring information from ongoing and proposed monitoring sites in accordance with the guidelines agreed upon during the MPMIM inception workshop.

8.3 *International Conventions*

The Meeting noted:

- 8.3.1 the Regional Network on the Legal Aspects of Marine Pollution had been established and included membership from 9 of the 11 participating countries in the Programme;
- 8.3.2 the ongoing cooperation with the Asia Pacific Center for Environmental Law, Faculty of Law, National University of Singapore in the development of the legal information database on marine pollution;
- 8.3.3 the cooperation with the Maritime Institute of Malaysia in the development of guidelines on a national legislation framework for marine pollution;
- 8.3.4 with appreciation, the contribution made to the international conventions component of the Regional Programme by Dr. A.G.M. La Viña;

The Meeting recommended:

- 8.3.5 that National Focal Points from the two countries who have not yet joined the Regional Network, namely DPR Korea and Brunei Darussalam, encourage their competent agencies, institutions and experts on the legal aspects of marine pollution to enroll in the Network.

8.4 Sustainable Financing Mechanisms

The Meeting noted:

- 8.4.1 with appreciation, the support provided by Sida, IDRC, DANCED, CMC, and the Government of the Philippines, Department of Environment and Natural Resources in the preparation and implementation of the Regional Conference;
- 8.4.2 the Findings and Recommendations of the Regional Conference on Sustainable Financing Mechanisms, and the requests to national governments to develop policies and programs which promote and facilitate public sector-private sector partnerships, and the establishment of an environmental industry in the East Asia Region;
- 8.4.3 the role of the Regional Programme in developing, demonstrating and promoting practical financial mechanisms and economic instruments which foster sustainable programs on marine pollution prevention and management from land-based sources, and environmental management of subregional sea areas and straits used for navigation.

8.5 Capacity Building/Training

The Meeting noted:

- 8.5.1 the high priority that the participating countries have attached to the Programme component on capacity building, and the Programme strategies implemented in response to the assessed needs of the individual countries and the region as a whole;

- 8.5.2 the activities in the conduct of regional training courses (ICM application), in-service training (marine pollution monitoring techniques), on-the-job training (GIS application), staff exchange (the monitoring techniques) and internship programme (ICM strategic planning, project development and waste management), and efforts to initiate OPRC training;
- 8.5.3 with appreciation, the contributions made by the University of the Philippines, Jimei University in Xiamen and the National University of Singapore for the successful conduct of the Second Regional Training Course on the Application of Integrated Coastal Management System in Marine Pollution Prevention and Management, 4-28 October 1996;
- 8.5.4 with appreciation, the support provided by Sida to enable participation of personnel from Kenya and Sri Lanka in the Second Regional Training Course on ICM;
- 8.5.5 Sida's expression of satisfaction with the Second Regional Training Course on ICM and its intent to continue supporting participation from East Africa and other developing countries over the next three years;
- 8.5.6 the intention of Danish International Development Agency (DANIDA) to support participants from Cambodia in the Programme training activities pertaining to the application of ICM system in marine pollution prevention and management;
- 8.5.7 the Programme initiative to develop a model training course on Integrated Environmental Impact Assessment applicable to coastal and marine environment;
- 8.5.8 with appreciation, the offers of Brunei Darussalam and Thailand to host the sub-regional OPRC training courses for the southern South China Sea and the Gulf of Thailand, respectively;

The Meeting recommended:

- 8.5.9 that the Programme make full use of the regional expertise in the provision of resource persons for its training activities;

- 8.5.10 that the Programme continue its efforts to mobilize external resources and seek co-funding arrangements with the host and participating countries to implement its training programme;
- 8.5.11 that the communication between the PDMO and the national focal points be further strengthened to ensure effective programme implementation, including the selection of candidates to workshops and training and other arrangements for national participation in the Programme activities.

8.6 MARPOL

The Meeting noted:

- 8.6.1 with appreciation, the co-sponsorship and cooperation provided by APCEL and MPA for the workshop in Singapore;
- 8.6.2 the individual workplans and the commitments that had been made to strengthen capacities to ratify and implement MARPOL 73/78 in Cambodia, Indonesia, the Philippines and Vietnam;
- 8.6.3 the role of the Regional Network in assisting the four countries to develop and enhance their national implementing legislation and enforcement capacities for MARPOL 73/78.

8.7 Programme Workplan and Budget 1997 - 1998

The Meeting recommended:

- 8.7.1 The adoption of the Programme Workplan and Budget for 1997, with the proviso that the Malacca Straits' component of the workplan will be reviewed during a consultative meeting of the littoral States in March/April 1997.

8.8 Future Collaborative Programme Activities and Proposals

The Meeting noted:

- 8.8.1 the efforts made by the Republic of Korea in developing an ICM demonstration project in Masan-Chinhae Bay; and the willingness of the Republic of Korea to co-sponsor a conference on the development of national ICM demonstration projects in 1997;
- 8.8.2 the efforts made by the People's Republic of China and the Republic of the Philippines in developing national ICM demonstration projects under their respective country Indicative Planning Figures (IPF);

The Meeting agreed:

- 8.8.3 in principle to the proposed initiative "Building Partnerships in the East Asian Seas Region: Concept Proposal", PSC/96/DOC/22, and other proposals under Agenda Item 7.0, and to further consultation between the Programme Office and the participating countries to develop and refine the proposals.

9.0 Venue and Date for the Next Meeting

The representative of Vietnam expressed willingness to host the Fourth Meeting of the Programme Steering Committee, subject to formal confirmation of his government. The Meeting welcomed the offer from Vietnam and requested the Regional Programme Manager to consult with the host and participating countries on the specific venue and date of the next meeting.

10.0 Vote of Thanks

A vote of thanks was expressed by the delegates to the Chairperson and the Government of Malaysia for hosting the Meeting.

11.0 Adjournment

The meeting was closed at 0945 hours, 12 December 1996.

ANNEX 1

List of Participants

Technical Session

**Third Programme Steering Committee Meeting
Kuala Lumpur, Malaysia
December 10-12, 1996**

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ANNEX 2

Full Text of Speeches

Opening Ceremonies

**Address of Hajah Rosnani Ibarahim
Deputy Director-General of Environment
Ministry of Science, Technology and Environment, Malaysia**

Honorable Dato' Haji Abu Bakar bin Daud,
Deputy Minister of Science, Technology and the Environment, Malaysia
Dr. Chua Thia-Eng
Distinguished Delegates,
Ladies and Gentlemen,

On behalf of the Department of Environment Malaysia, may I extend a very warm welcome and selamat datang to all of you to this Third Programme Steering Committee (PSC) Meeting for the GEF/UNDP/IMO Regional Programme for the Prevention and Management of Marine Pollution in the East Asian Seas. The meeting is a forum to review the progress made so far and plan new activities for the Programme of the Region.

I sincerely hope especially delegates and participants from overseas have managed to settle down comfortably and are ready to start work.

We are indeed honored and glad to be given the opportunity to host this Third Meeting of the PSC, and would like to offer further assistance in facilitating the entire conduct of the meeting.

I would like to take this opportunity to personally thank Dr. Chua Thia-Eng and all his colleagues for their tireless effort in the excellent arrangement of the meeting. I would also like to thank UNDP for their full support, and of course all delegates and participants for being here to actively contribute to the success of the meeting.

Above all I would like on behalf of GEF/UNDP/IMO Regional Programme for the Prevention and management of Marine Pollution in the East Asian Seas and all of us here to thank the Honorable Dato' Abu Bakar Daud for having agreed to grace our occasion this morning.

Terimah kasih sekali lagi kepada Y. Berhormat Dato'

Lastly, may I wish everyone a pleasant stay in Kuala Lumpur and success in our deliberation.

Thank you

**Address of Mr. Oleg Khalimonov
Director, Marine Environment Division
International Maritime Organization**

Your Excellencies, distinguished delegates, ladies and gentlemen. It is great pleasure and honor to speak on behalf of the International Maritime Organization at the Opening of the Third Programme Steering Committee Meeting. I would like to express my deepest gratitude to the Government of Malaysia for the excellent host arrangements made for this meeting, which reflects their continuing support for this important Programme. I would also take this opportunity to welcome the participation of representatives of IOC/WESTPAC, UNEP RCU/COBSEA, the Government of Japan and donor agencies who are attending in an observer capacity and to express our hope that you will continue to actively participate in the implementation of the Programme.

At the outset I would like to inform the meeting of recent events in IMO which are of particular relevance to the overall objectives of this Programme, i.e., the prevention and management of marine pollution. During 1996, IMO has prepared and adopted a number of measures to prevent pollution from ships, improve safety of shipping and provide compensation for pollution damage, as well as continue its work in ensuring the entry into force of these conventions.

On 1 February this year the 1995 amendments to the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW), 1978, entered into force. It has long been recognized that human error is the major cause of marine casualties which often result in major marine pollution incidents therefore the strengthening of the STCW Convention to improve crew competence will obviously contribute to the reduction of the frequency of such accidents.

An important achievement during the year was the adoption of the convention for liability and compensation in connection with the carriage of hazardous and noxious substances (HNS) on 3 May. This convention enable the equivalent of up to 250 million pounds to be paid out as compensation to victims of accidents involving HNS, such as chemicals. This is convention is a two tiered compensation system which is similar to the International Convention on Civil Liability for Oil Pollution Damage (CLC), 1969 and the International Convention on the Establishment of an International Fund for Compensation for Oil Pollution Damage (Fund) 1971. It introduces strict liability for the shipowner, higher limits of liability than the present general limitation regimes and a system of compulsory insurance and insurance certificates. When the shipowner's liability is insufficient to provide full compensation or when the shipowner is liable, then supplementary compensation is paid by the HNS Fund which is financed by cargo interests.

On 30 May 1996, the 1992 Protocol to the International Convention on Civil Liability for Oil Pollution Damage (CLC), 1969 and the 1992 Protocol to the International Convention on the Establishment of an International Fund Compensation for Oil Pollution Damage (Fund) 1971 entered into force. The entry into force of these protocols makes it possible for the compensation available to victims of oil pollution from tankers to be more than doubled.

A number of important amendments to the International Convention for the Safety of Life at Sea (SOLAS), 1974 were adopted during the 66th session of the Maritime Safety Committee meeting held in June 1996. The amendments include the complete replacement of text dealing with Life-Saving Appliance (LSA) Code (Chapter II), addition of new parts to Chapter II-1 on Construction - Sub-division and Stability, Machinery and Electrical Installation, modifications to Chapter VI on Carriage of Cargoes, and a change of Chapter XI dealing with the Authorization of Recognized Organization, which was adopted last week by the Maritime Safety Committee (MSC) and which is expected to enter into force in 1998.

On 14 July the International Convention on Salvage entered into force which makes an enhanced salvage award taking into account the skill and efforts of the salvors in preventing or minimizing damage to the environment. It further introduces a "special compensation to be paid to salvors who have failed to earn a reward by saving the ship and cargo but whose action contributed to pollution control.

Last month, the 1996 Protocol to the Convention on the Prevention of Marine Pollution by Dumping of Wastes and Other Matter, 1972 (the London Convention 1972) was adopted following a Special Meeting of Contracting Parties at IMO headquarters, from 28 October to 8 November. The Protocol represents a major change of approach to the question of how to regulate the use of the sea as a depository for waste materials. Of particular interest to the Programme's work is the adoption of a resolution (LC.55(SM) on "Technical Co-operation and Assistance Activities Related to the London Convention 1972", which aims to assist with the implementation of the 1996 Protocol to the London Convention 1972 and includes such activities as waste management in the context of integrated waste management and development of training packages to implement guidance under the 1996 Protocol.

This year has seen major organization changes in the execution of the Regional Programme for the Prevention and Management of Marine Pollution in the East Asian Seas as a result of a mid-term review which was undertaken between March and April by IMO in view of the recommendations of the 1995 Tripartite Review. A senior IMO officer, Mr. Adrian Ross, has joined the PDMO to provide technical support to the Programme and there has been a decentralization of administrative matters to the PDMO. I will provide further information on the organizational changes during the discussions on Thursday on the follow-up to the 1995 Tripartite Review.

1996 has been an intensive year for the Regional Programme for the Prevention and Management of Marine Pollution in the East Asian Seas and a number of successful events have taken place. Without going into detail I will mention only few of these events. In September the Secretary General of IMO provided a keynote address to the International Conference on Navigational Safety and Control of Pollution in the Strait of Malacca in Singapore, organized by the Institute of Policy Studies (IPS) and the IMO, where he highlighted the emphasis that is placed on co-operation, which IMO regards as indispensable to the successful future of the global shipping community. The meeting provided recommendations on issues such as the extension of the Traffic Separation Scheme in the Straits, participation in the Vessel Traffic Information System in Singapore Strait, hydrographic surveys of the whole Straits, ratification of the OPRC 1990 and the 1992 Protocols to the Civil Liability and Fund Conventions, and Regional harmonization in the regulation of marine pollution. Subsequently the Secretary-General visited the Programme Office in Manila, the Demonstration Project in Batangas and met up with representatives of relevant government agencies and representatives from the private sector in the Philippines.

Last month (14-16 November 1996) the Regional Conference on Sustainable Financing Mechanisms for the Prevention and Management of Marine Pollution: Public Sector Private Sector-Partnerships was held in Manila. The Conference provided a forum for dialogue on the advancement of partnerships in marine pollution prevention and management programs and opportunities for joint ventures were identified in maritime transportation, tourism, marine pollution monitoring, resource management, manufacturing, waste management and various service industries, including oil spill response. The findings and recommendations of the conference invited IMO to organize a conference of littoral and user States of the Straits of Malacca and Singapore, to review alternative financing schemes for cost-sharing maritime safety, aids to navigation and marine pollution management in the Straits. As result of this Conference IMO, through its technical committees (London Convention, Marine Environment Protection Committee, Maritime Safety Committee), will in the coming year be discussing alternative financing schemes for maintaining/improving safety of shipping and pollution management in the Straits with the aim of achieving consensus among its Member States prior to the proposed Conference which will possibly be held in mid 1998.

Early next year, IMO together with UNDP will undertake a mid-term evaluation of the Programme the terms of reference of which will/have been distributed in this meeting. It is important to note that this differs from the previously mentioned IMO conducted mid-term review in that it will be broader in scope and will concentrate on evaluating the delivery and progress and will identify any impediments encountered by the Programme. This evaluation which will provide recommendations on how to improve efficiency of delivery of the Programme activities in the coming year and future years.

It is important that during this meeting we all renew our commitment to the Programme and reach consensus on the future delivery of this important Programme. In this respect it is no secret that the Programme delivery is behind schedule notwithstanding the increase in the capacity of the PDMO initiated by IMO. This has largely been due to the need to enhance national capacity and infrastructure to effectively absorb Programme outputs and otherwise interact with the Programme. The Mid-Term Evaluation will be objective and transparent and IMO looks forward to its outcome and is committed to ensuring that its recommendations are followed up. I should, however, make the point that this Programme is all about partnerships and any improvement in the efficiency of delivery and effective use of the Programme outputs is also dependent on you the intended beneficiaries of the Programme.

Welcome Remarks

Deputy Minister Dato' Abu Bakar Daud
Ministry of Science, Technology and Environment

Distinguished delegates and observers
Distinguished representatives of the international agencies and donors
Officials of the Regional Programme
Friends, ladies and gentlemen

On behalf of the Government of Malaysia, I welcome all of you to the 3rd Programme Steering Committee Meeting of the GEF/UNDP/IMO Regional Programme for the Prevention and Management of Marine Pollution in the East Asian Seas. Malaysia is greatly honoured to be given the opportunity to play host to this important meeting. I am very pleased to note the full representation of all participating countries at this Meeting which indicates very clearly the interest and importance the governments of the region have accorded to this regional programme. I understand that the invitation to attend this event was also extended to Japan, and I welcome the participation of the Japanese delegation at this Meeting.

I was informed that the purpose of this annual gathering is to assess the progress and performance of the Regional Programme particularly the implementation of the activities planned for the year as well as to approve its work plan for 1997. It is at such forum where the national and regional concerns on marine pollution are collectively considered.

I am pleased to note that the Regional Programme is providing substantial efforts in developing working models in its demonstration sites in China and the Philippines on the application of the integrated coastal management approach for addressing marine pollution from land-based sources. These working models when successfully developed could be adopted to other coastal areas in the region.

¹ The programme has also made significant progress since its operation in the last three years in other areas including capacity-building activities, and research on sustainable financing mechanisms, particularly how to mobilize in country and external resources for marine pollution management.

¹ Hamzah, B.A. "Funding a Partnership for Safer Navigation and a Cleaner Environment in the Strait of Malacca - Some Preliminary Thoughts" paper presented at the Regional Conference on Sustainable Financing Mechanisms for the Prevention and Management of Marine Pollution: Public Sector-Private Sector Partnerships, Nov. 14-16, 1996, Manila, Philippines.

I have been informed that the Programme has chosen the Strait of Malacca as a demonstration site focusing on marine pollution risk assessment and management. This project is of great interest to us in Malaysia. Based on the physical, chemical and biological characteristics, the Strait is in fact a large estuarine ecosystem endowed with rich natural resources. The adverse impacts of marine pollution, especially those from oil and chemical spills, would have long term ecological implications. We therefore welcome the Programme's effort to undertake marine pollution risk assessment in the Strait and hope that the output shall provide us a better information base to enable us to put together an action plan to manage the Straits for better use in the future.

Unfortunately, information on the ships and their cargo that pass through the Straits is sorely lacking. Noteworthy is the fact that a significant portion of the Strait is shallow and congested, with the marine water quality declining due to land -and sea-based activities, such as discharges of oil sludge and oily water from leakage and tank cleaning activities.

Malaysia places great emphasis on the importance of pollution sources surveillance particularly the sea-based sources. Although we are currently conducting such surveillance programme, further collaborative efforts among countries in the area, together with assistance from international organizations, would certainly enhance the programme in order to avoid further deterioration of the Strait of Malacca water quality.

The efforts of the Japanese Government in this area are duly recognized and highly appreciated. The Malacca Strait Council, which was spearheaded by Japanese users of the Strait and the Japanese Government, and which is participated in by the littoral states, has made significant headway in promoting navigational safety in the Strait. The decision to conduct a hydrographic resurvey will enhance the safety of navigation through the review and revision of the existing routing system, as well as updating the navigational charts of the Strait.² The Council has further installed a significant number of navigational aids and have generously donated these aids to Indonesia and Malaysia. Maintenance of these aids are jointly being done by the three governments. A tidal current study was undertaken to prevent grounding accidents by vessels. The donation to the Revolving Fund, which is managed by one of the three coastal States every five years, has provided temporary, albeit necessary funding for managing oil spills. Finally, the active promotion by Japan of the Oil Spill Preparedness and Response in the ASEAN Region, or OSPAR Project, which aims to establish an international regional emergency cleanup and removal system to respond to large-scale oil spill accidents in the Region, is actively being supported by the littoral states.

² Koike, S. "Japanese Government's Experience in the Malacca Strait" Paper presented at the Regional Conference on Sustainable Financing Mechanisms for the Prevention and Management of Marine Pollution: Public Sector-Private Sector Partnerships, Nov. 14-16, 1996, Manila, Philippines

We in this Meeting are very much aware of the economic and environmental importance of the Malacca Strait. Therefore, I encourage the user states to join the efforts of the Japanese government in collaboration with the littoral states in ensuring the Malacca Strait is clean and safe for users. It is about time that an international conference on the Malacca Straits be organized under the auspices of the IMO and the Regional Programme involving the users and the littoral states to start discussing collective efforts towards this objective.

We do not need to be reminded how grossly inadequate our resources are to effectively meet the challenge of increasing threats of marine pollution. The region needs not the financial resources but also the institutional capacity to plan and manage our coastal areas, seas and oceans so that we can avoid the many costly mistakes in economic development which have resulted in the degradation of our coastal and marine environment.

On the part of Malaysia, we are very pleased to work closely with the Programme in this direction. We are therefore requesting the IMO to continue helping the Region strengthen its capabilities in implementing international conventions and ensuring that the Strait is kept clean and healthy. The benefits arising therefrom are many, and the future growth of our economies and environments depend heavily on what we do today to prevent further degradation and depletion of our natural resources.

On that note, I fervently wish for the success of the Meeting. I am very much looking forward to reading the report and proceedings. Rest assured that Malaysia will actively join you in your efforts to protect and manage the Region's coastal and marine waters. To the participants, I trust you will all have an enjoyable stay in Kuala Lumpur.

Thank you very much.

ANNEX 3

**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

Third Programme Steering Committee Meeting
10-12 December 1996,
Forum Fairlane Hotel
Kuala Lumpur, Malaysia

AGENDA

10 December (Tuesday)

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

TECHNICAL SESSION

- | | |
|------|------------------------------------|
| 1000 | 1.0 Organizational Matters |
| | 1.1 Election of Co-Chairman |
| | 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 Environmental 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 Status of MARPOL project implementation
- 1700 Conclusion of the Day

11 December (Wednesday)

- 0830 5.0 Collaborative/ Co-operative activities with UN agencies and other bilateral/multilateral programmes/ donor agencies, industries and NGOs.
- 0930 6.0 Work plan for 1997
- 1015 Coffee Break
- 1035 7.0 Future Collaborative Programme/Activities/Proposals
- 1200 8.0 Conclusions and Recommendations
- 1300 Lunch
- 1430 Continuation on Item 8.0
- 1530 Coffee Break
- 1600 9.0 Other Business
 - 9.1 Venue and date for next meeting
 - Adoption of Report

12 December (Thursday)

- 0830 Adoption of Report
- 1030 Closing of Technical Session
- 1045 Coffee Break

TRIPARTITE REVIEW

- 1100 1.0 Organizational matters
- 2.0 Adoption of Agenda
- 1115 3.0 Matters arising from the 1995 Tripartite Review
- 3.1 IMO follow up on 1995 TPR recommendations
- 3.2 IMO internal Mid-Term Review of the Programme
- 3.3 Participation of Japan
- 4.0 Presentation of the Project Performance Evaluation Report (PPER).
- 1200 4.1 Concept and Design
- 4.2 Achievements and Problems
- 4.3 Operational Issues
- 1300 Lunch
- 1430 5.0 Presentation of the conclusion and recommendations of the Third Programme Steering Committee Meeting.
- 1530 6.0 Workplan and Budget for 1997
- 1630 7.0 Mid-Term Review
- 1730 8.0 Recommendations
- 1730 **CLOSING CEREMONY**

ANNEX 4

List of Documents

THIRD MEETING OF THE PROGRAMME STEERING COMMITTEE
Kuala Lumpur, Malaysia
10-12 December 1996

List of Documents

ITEM NO.	AGENDA ITEM	DOCUMENT	DOCUMENT NUMBER		
Technical Session					
2.0	Provisional Agenda	Annotated Provisional Agenda	PSC/96/DOC/01		
3.0	Review Project Status	1996 Annual Report: "Marine Pollution Prevention and Management: National Achievements Through Local Governments"	PSC/96/DOC/02		
3.1	Demonstration Projects	Coastal Environmental Profile of the Batangas Bay Region	PSC/96/DOC/03		
		Strategic Environmental Management Plan for the Batangas Bay Region	PSC/96/DOC/04		
		Coastal Environmental Profile of Xiamen	PSC/96/DOC/05		
		Strategic Management Plan for Marine Pollution Prevention in Xiamen Municipality	PSC/96/DOC/06		
		Malacca Straits Environmental Profile (Draft)	PSC/96/DOC/07		
		Enhancing the Success of ICM: Good practices in the formulation, design, and implementation of ICM initiatives	PSC/96/DOC/08		
		ICM in Tropical Developing Countries: Lessons learned from successes and failures	PSC/96/DOC/09		
		Integrated Waste Management Action Plan for the Batangas Bay Region	PSC/96/DOC/10		
		Regional Workshop Report on the Operational Oil Spill Modelling, Pusan, Republic of Korea	PSC/96/DOC/11		
		3.2	Marine Pollution Monitoring and Information Management	MPMIM Inception Workshop First Summary Report	PSC/96/DOC/12
The MPMIM Network WEB Page	PSC/96/DOC/13				
Directory of Institutions Involved in Coastal and Marine Environments in the East Asian Seas	PSC/96/DOC/14				
Monitoring the Marine Environment: A Manual on Sampling and Analysis	PSC/96/DOC/15				
Biological Impacts of Oil Pollution: Fisheries	PSC/96/DOC/16				
3.3	Ratification of International Conventions	Proceedings of the Inception Workshop of the Regional Network on the Legal Aspects of Marine Pollution	PSC/96/DOC/17		
		Current List of Materials in the Legal Information Database -	PSC/96/DOC/18		
3.4	Sustainable Financing	Regional Conference on Sustainable Financing Mechanisms for Marine Pollution Prevention and Management: Findings and Recommendations	PSC/96/DOC/19		
3.5	Capacity Building/Training	(Second) Regional ICM Training Course on the Application of ICM	PSC/96/DOC/20		
4.0	MARPOL Project	IMO/APCEL/MPA Workshop on the Ratification and Implementation of MARPOL 73/78	PSC/96/DOC/21		
6.0	1997 Workplan and Budget	Revised Programme Activities and Budget 1997 - 1998	PSC/96/DOC/22		
		1997 Quarterly Programme and Project Workplans and Budget	PSC/96/DOC/23		
		ICM Project in Masan-Chinhae Bay, Republic of Korea	PSC/96/DOC/24		
		Proposal for 3 additional demonstration sites in China under Country IPF (to be supplied later)	PSC/96/DOC/25		
		An Electronic Learning and Exchange Network Across the GEF Operational Program in International Waters	PSC/96/DOC/26		
		Concept Proposal: Building Partnership in the East Asian Seas Region	PSC/96/DOC/27		
		Proposed action plan on oil spill modelling	PSC/96/DOC/28		
		Electronic Chart Display and Information System	PSC/96/DOC/29		
		Tripartite Review			
			Provisional Agenda	Annotated Provisional Agenda	PSC/96/DOC/01
	Matters arising from the 1995 Tripartite Review	Report of the Executing Agency on the recommendations of the 1995 Tripartite Review			
	Presentation of PPER	1996 Project Performance Evaluation Report	PSC/96/DOC/30		
	Conclusions and Recommendations of 3rd PSC Meeting	Third PSC Meeting Report			
	1997 Workplan and Budget	1997 Quarterly Programme and Project Workplans and Budget	PSC/96/DOC/23		
		Mid-term Review Terms of Reference	PSC/96/DOC/31		

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

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

TRIPARTITE REVIEW SESSION

Kuala Lumpur, Malaysia, 10-12 December 1996

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 Kuala Lumpur, Malaysia, on 12 December 1996, upon conclusion of the Technical Session of the Third Meeting of the Programme Steering Committee (PSC). The Meeting was hosted by the Government of Malaysia.
- ii. The Meeting was attended by representatives from the 11 participating countries, namely: Brunei; Cambodia; Democratic People's Republic of Korea; Indonesia; Malaysia; People's Republic of China; Philippines; Republic of Korea; Singapore; Thailand; and Vietnam.
- iii. The Meeting was also attended by representatives from the United Nations Development Programme (UNDP) Kuala Lumpur Regional Office and Manila Country Office, 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 5.

1.0 Organizational Matters

- 1.1 Ms. Ameerah Haq, UNDP Regional Resident Representative, Kuala Lumpur Regional Office, chaired the Meeting. The Meeting was declared open at 11:00 hours, 12 December 1996.

- 1.2 Ms. Haq emphasized the importance of the ongoing GEF/UNDP/IMO Regional Programme to the region and to UNDP's activities in the region, and the possibility of using the output from the project as a foundation for longer term initiatives and programmes. She acknowledged the financial and in-kind contributions that had been made by the participating governments at the national and local levels, and the collaboration and financial support provided by donors and international agencies. The Chairperson pointed out that the mobilization of US \$7.39 million from sources internal and external to the region was a true reflection of interest and support for the Regional Programme and its objectives and strategies.
- 1.3 Ms. Haq reminded the Meeting of the invitation that had been extended by the Programme Steering Committee to the Government of Japan in 1995, to become the twelfth participating country in the Regional Programme. She concluded that, although no official response had been forthcoming from Japan, there were positive indications of Japanese support for the Programme, including representation as an Observer to the Technical Session of the Third Programme Steering Committee Meeting.
- 1.4 The full text of Ms. Haq's presentation is included in Annex 6.

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 1995 Tripartite Review Meeting

3.1 IMO Follow Up of 1995 TPR Recommendations

- 3.1.1 Mr. Oleg Khalimonov, Director, Marine Environment Division, IMO London, reviewed the recommendations of the 1995 Tripartite Review meeting regarding the strengthening of administrative and technical backstopping activities in support of the project. Mr. Khalimonov explained that IMO had taken the following actions in response to the TPR recommendations:

- decentralization of decision-making, notably in relation to administrative matters as far as practical, to the Regional Programme Manager;

- appointment of an IMO Senior Programme Officer to the Regional Programme Office, under the supervision of the Regional Programme Manager, and funded by IMO;
- appointment of a Finance Assistant to help manage the finance and personnel matters which had been delegated to the Programme Office, under the supervision of the Regional Programme Manager, and funded by IMO; and
- retention of a backstopping capacity at IMO headquarters, under the direction of the Senior Deputy Director, Marine Environment Division, who is responsible for ensuring that both the environmental and safety policy objectives are factored into the Programme's work plan.

3.1.2 Dr. Chua indicated that, as a result of IMO headquarters's decisions concerning decentralization of administrative and technical backstopping responsibilities, the Regional Programme Office had been reorganized in July 1996. The two additional staff provided by IMO headquarters had been incorporated into the reorganization. The arrangement appeared to be working satisfactorily.

3.1.3 The Meeting acknowledged the efforts made by IMO in response to the 1995 TPR recommendations.

3.2 IMO Internal Mid-Term Review of the Programme

3.2.1 Mr. Khalimonov informed the Meeting that, as a result of a decision by the Secretary-General of IMO, an internal mid-term review had been conducted on the Regional Programme in March/April 1996. The purpose of the review was to provide the Secretary-General with information upon which to render decisions concerning the Organization's future role, accountability and responsibility as Executing Agency for the Programme. Mr. Khalimonov indicated that the results of the review had provided the rationale for the decision to decentralize technical and administrative duties to the Programme Office, and to provide two additional support staff.

3.2.2 Mr. Khalimonov commented on the importance of the Regional Programme to IMO's objectives, not only with respect to marine pollution prevention and management, but also to maritime safety, the avoidance of maritime accidents and the security of the lives of seafarers. For these reasons, Mr. Khalimonov emphasized that IMO remained fully committed to the Programme, despite the fact that the Organization was currently running at a deficit of more than US \$573,000 as the Executing Agency. The MED Director indicated that the pace of project expenditures had increased in 1996, and the pace was expected to continue to rise in 1997.

3.2.3 On behalf of the participating governments, the Chair thanked IMO for the contribution being made to the Programme and for the continuing commitment to the maritime and marine affairs of the region.

3.3 Participation of Japan

3.3.1 Mr. Khalimonov confirmed that the Secretary-General of IMO had forwarded a formal invitation to the Government of Japan to become the twelfth participating country in the Regional Programme. Follow up communications had occurred with the Embassy of Japan in London but no response had been received.

3.3.2 The Meeting acknowledged the positive input being provided by Japan to a number of the Programme activities, including the Malacca Straits Demonstration Project and the recently completed sustainable financing conference. The Meeting recognized that although Japan was not identified as a participating country, the unofficial contributions made to the Programme were most appreciated.

3.3.3 The Meeting expressed its continuing interest and encouragement to the Government of Japan to become a participating country in the Regional Programme.

4.0 Presentation of the Project Performance Evaluation Report (PPER)

4.1 Dr. Chua introduced the PPER (PSC/96/DOC/30) to the Meeting, reviewing the highlights of 1996 including progress made at the ICM demonstration sites, completion of the Malacca Straits environmental profile, the establishment of regional networks on marine pollution monitoring and the legal aspects of marine pollution, and capacity building activities. Dr. Chua also pointed out the success that the Programme had achieved in mobilizing additional resources in support of the marine pollution prevention and management initiatives in the region, some US \$7.39 million in total.

4.2 Dr. Chua informed the Meeting that some activities of the Malacca Straits component of the Programme were behind schedule. He reminded the Meeting that, prior to initiating the work in the Malacca Straits, time was expended building consensus among the three littoral States to achieve a common understanding of the outputs of the project. However, with the completion of the environmental profile on the Straits, the Meeting was advised that the project would progress rapidly in 1997.

- 4.3 The representative from China informed the Meeting that the demonstration project in Xiamen was being implemented smoothly and on schedule, and that spin-offs from the project were significant. Mr. Liu indicated that three parallel sites were planned for start-up in 1997, with the combined financial support of UNDP Beijing, the central government and the three local governments who will be hosting the sites, namely the Provinces of Guangdong and Hainan, and the Guangxi Zhuang Autonomous Region. It was indicated that the new sites will be developed in accordance with the Xiamen experience. As a show of commitment to the parallel site activities, Mr. Liu identified that local governments will deposit gradually more than US \$1.5 million to a central government account, as counterpart funding for the projects. The Chinese representative stated that Xiamen would serve as a training center for the parallel site staff. Mr. Liu also indicated that the Programme Office in Manila will be invited to provide technical support during the planning and development of parallel sites in China.
- 4.4 The representative from Malaysia, Hajah Rosnani Ibarahim, acknowledged the delays that had occurred with the start-up of the Malacca Straits component. She reminded the Meeting of the recommendation from the PSC Technical Session, namely to delay implementation of new activities under the Malacca Straits component of the Regional Programme pending a review of the results of the initial risk assessment. The representative also suggested that the Government of Japan be invited to a consultative meeting on future activities in the Straits' project, with the three littoral States and the Programme Office.
- 4.5 The representative from Thailand informed the Meeting that there was interest in Thailand to establish a national ICM demonstration site, subject to multi-agency consultation. Ms. Kannegar indicated that government staff had participated in two ICM training programs under the Regional Programme, as well as three workshops and the recently completed sustainable financing conference. The representative advised the Meeting that, with the benefit of the Programme's training sessions, efforts were underway to develop a detailed proposal for a national ICM demonstration site, and the selection of an appropriate national agency to lead the initiative.
- 4.6 Mr. Pou Savath, the representative from Cambodia, reminded the Meeting of the importance of training and employing local individuals, scientists, professionals and technical support staff in the development and implementation of ICM demonstration sites. He recalled that, in the past, international assistance involved teams of experts from outside the country addressing a local problem. This approach had no lasting benefit to national and local capacities. Mr. Pou further indicated that ICM demonstration sites need to be linked to tertiary education institutions, possibly establishing a faculty within the institutions, to ensure that students are well prepared to address real-world issues when their formal education has been completed. Mr. Pou also indicated that Cambodia was

most interested in establishing a national demonstration site, and that a proposal was being developed for a site in Sihanoukville.

- 4.7 The representative from Vietnam informed the Meeting that Vietnam fully supports the Programme. Mr. Hua stated that his country is very interested to have a national demonstration site and requested the Programme to consider the establishment of such a site.
- 4.8 The representative from the Philippines, Mr. Pilar, stated that the results of the ICM demonstration project in Batangas were very encouraging and would be used as a foundation for the development of parallel sites elsewhere in the country. He pledged the continuing support of the Philippines' government to the Programme and to the use of ICM in coastal areas as a means of implementing the Global Programme of Action for land-based sources of marine pollution.
- 4.9 Mr. Khalimonov advised the Meeting that IMO would make every effort to respond to requests for technical assistance which had been identified by the participating countries during the course of the Technical and TPR Sessions of the PSC meeting. In order to ensure consideration of such requests, Mr. Khalimonov encouraged country representatives to make written requests for technical assistance to IMO headquarters (i.e., IMO Secretary-General; Mr. Khalimonov).
- 4.10 Ms. Clarissa Arida, representing UNDP Manila, confirmed that her office was satisfied with the accomplishments of the Regional Programme in 1996, and therefore fully endorsed the PPER.
- 4.11 The Meeting concluded that:
 - 4.11.1 the 1996 PPER be adopted as presented;
 - 4.11.2 countries in need of technical assistance with respect to navigational safety, marine pollution prevention and management, and related matters, need to inform IMO in writing of their specific needs;
 - 4.11.3 the experience of the regional Programme may be used to enhance national benefits from UNDP Country Programmes and that each participating country needs to identify linkages between ICM and environmental management of subregional sea areas and national objectives and initiatives of the Country Programmes, and to highlight such linkages to UNDP Country representatives.
- 4.12 The Meeting recommended that:

- 4.12.1 the Programme Office organize a consultative meeting with the three littoral States to review the draft risk assessment report on the Malacca Straits and a work plan for follow up activities in the Straits; and
- 4.12.2 an invitation be extended to the Government of Japan to attend the consultative meeting.
- 5.0 Conclusions and Recommendations from the Third Meeting of the Programme Steering Committee**
- 5.1 The Meeting acknowledged the conclusions and recommendations of the Technical Session of the PSC, as identified in the Technical Session meeting report.
- 5.2 Mr. Khalimonov indicated to the Meeting that, in view of the considerable challenge represented by these recommendations, the capacity of the Programme Office to address all of the identified issues in 1997 was a concern. He pointed out that human resources within the Programme Office were limited, and that the Regional Programme Manager, officers and staff were not only faced complex work plans, but also an administrative requirement to increase the delivery rate to achieve the project goals within the identified timeframe, utilizing all available resources.
- 5.3 The Meeting acknowledged that a significant work load that had been placed on the Programme Office for 1997. The Meeting recommended that the Regional Programme Manager review the work program for 1997 and 1998, and, in consultation with IMO headquarters, UNDP Manila and other agencies, as required, propose additional measures that needed to be undertaken in order to ensure the accomplishment of the project.
- 5.4 The Meeting adopted the conclusions and recommendations of the Technical Session of the Third Programme Steering Committee Meeting (refer to the minutes of the Technical Session, section 8.0).
- 6.0 Work Plan and Budget for 1997**
- 6.1 Dr. Chua presented the Programme Work Plan and Budget for 1997, as identified in PSC/96/DOC/22 and PSC/96/DOC/23. He explained that no major revisions had occurred in the work plan or budget, but funds not expended in 1996 had been reprofiled to 1997.
- 6.2 The Meeting adopted the Programme Work Plan and Budget as proposed, with the proviso that the Malacca Straits component of the work plan would be considered during the consultative meeting between the Programme Office and the littoral States in the first quarter of 1997.

7.0 Programme Mid-Term Evaluation

- 7.1 Ms. Arida introduced PSC/DOC/96/31, entitled, "Terms of Reference for the Mid-Term Evaluation". The Meeting approved the Terms of Reference for the Mid-Term Evaluation, subject to the following addition:

Page 1, section "Purpose", Item (e), Capacity Building, in the list of major components of the Regional Programme.

- 7.2 The Meeting recommended that the mid-term evaluation be conducted early in 1997, under the co-ordination of UNDP Manila.

8.0 Meeting Closure

- 8.1 The Chairperson thanked all participants for attending the Meeting and extended her gratitude to the Government of Malaysia and the management and staff of the Ministry of Science, Technology and Environment for their gracious hospitality and support, and to the Secretariat for their efficient services.
- 8.2 Mr. Khalimonov expressed his thanks to the Government of Malaysia on behalf of IMO for the special effort in making the Meeting a success. He extended his thanks to the participating countries for their involvement in the project and emphasized the need for their continuing support to meet the challenges of 1997.
- 8.3 The Regional Programme Manager thanked the representatives from participating countries, UNDP and IMO for their inputs and advice. He reminded the Meeting of the work that lay ahead and of the special effort that was needed to expand the ICM demonstration sites to all countries in the region and to develop and extend the subregional seas management framework. Dr. Chua requested the support of all representatives to achieve this common goal.
- 8.5 The Tripartite Review Meeting was declared closed at 13:15 hours, 12 December 1996, with a vote of thanks to the Chairperson and the Secretariat.

ANNEX 5

List of Participants Tripartite Review Session

Third Programme Steering Committee Meeting
Kuala Lumpur, Malaysia
December 10-12, 1996

LIST OF PARTICIPANTS

TRIPARTITE REVIEW

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ANNEX 6

Full Text of Speech

Ms. Ameerah Haq

**Opening Statement
Third Tripartite Review Meeting**

by

**Ms. Ameerah Haq
Regional Representative, UNDP Kuala Lumpur**

Acknowledgment of Country Contributions to the Regional Programme

UNDP would like to acknowledge the contributions made by all the participating countries to the successful accomplishments so far achieved by the Programme. The Programme Management and Development Office (PDMO) of this Regional Programme, during the technical session, has presented to you the various accomplishments of the project and we all acknowledge that such accomplishments would not have been possible without the cooperation and contribution of the participating countries and other partner donors in this Regional Programme.

China

First, we wish to acknowledge the significant contributions of the People's Republic of China in institutionalizing the Programme through the Xiamen Demonstration Project. We would also like to acknowledge the counterpart contribution of China, both in cash and in kind, amounting to about US\$1.38M for the implementation of Integrated Coastal Management (ICM) projects and other activities of the Programme. China has initiated the establishments of 3 parallel sites in 3 provinces and a training center in Xiamen. One unique and very significant contribution of China is the mobilization of the three local governments to provide cash contribution to the national governments to run the projects.

Philippines

We also appreciate the contributions made by the Government of the Philippines, first, for hosting the Regional Programme. Secondly, the Philippines has provided the office building (together with the necessary facilities, electricity and water supply) for the PDMO. Thirdly, it has also contributed close to US\$180,000 for the payment of 10 full-time PDMO staff and for funding the activities of the Batangas Demonstration Project. Lastly, we also wish to acknowledge the cash contribution provided by the Provincial Government of Batangas and the establishment of the Environment and Natural Resources Office (ENRO) office building with 27 staff for the demonstration project.

Republic of Korea

The contribution of the Republic of Korea, in terms of research and monitoring equipment for the Batangas Bay Project is also very significant. To this, we thank the Republic of Korea, who also sponsored the Oil Spill Modeling Workshop in Pusan last June 1996. The Republic of Korea has also designated Masan-Chirhae Bay as a demonstration site.

Singapore

The contribution made by Singapore to the ICM Training Course through the Ministry of Environment, the National University of Singapore and the Maritime and Port Authority is also very much appreciated. The Faculty of Law of the National University of Singapore cooperate in the establishment of the Legal Network on Marine Pollution.

Brunei Darussalam

Even if not benefiting directly from the Regional Programme, the Government of Brunei Darussalam will host the next OPRC Training Course. To this, we sincerely extend our gratitude to Brunei Darussalam.

DPR Korea, Cambodia and Vietnam

We would also like to acknowledge the active participation of the Governments of DPR Korea, Cambodia and Vietnam in the various activities of the Programme. Their participation in the Programme operations is very significant and we hope to further continue such collaboration with these countries.

Thailand

While no special project is being undertaken by the Programme in Thailand to date, Thailand had hosted the 2nd PSC Meeting in Phuket in December 1995 and will co-sponsor the next OPRC Training Course. To this, we extend our sincere gratitude to Thailand.

Malaysia

Our special acknowledgment goes to Malaysia, who is hosting this Meeting and has actively and successfully chaired the Technical Session. We hope that the discussion in the Malacca Straits would have laid down the foundation by which Malaysia (along with Singapore and Indonesia) will actively pursue the Malacca Straits subregional seas project.

Japan

While not officially joined as participating member-country to this Regional Programme, we wish to express our gratitude to the Government of Japan for participating in the PSC meetings. Japan has also contributed to the Vessel Traffic Separation Scheme and Traffic Survey in the Malacca Straits. We express our hope that Japan will join the Regional Programme.

Other donor agencies and collaborating research institutions

UNDP, along with GEF and IMO, is also happy to note the significant contribution and support extended by the various donor agencies in this Regional Programme. Over US\$7.39M has been mobilized by the Programme to finance the various activities. We wish to extend our sincere gratitude to the Swedish International Development Agency (Sida), the Government of Norway, the Danish Cooperation for Environment and Development (DANCED) and the International Development Research Centre (IDRC) of Canada and their support and collaboration.

Equally important is the contribution and support extended by other collaborating research institutions such as the Coastal Management Center, the State Oceanic Administration, and others.