



People. Partners. Progress.

PEMSEA Accomplishment Report 2011–2013



Partnerships in Environmental Management
for the Seas of East Asia

A GEF/UNDP Regional Programme

People. Partners. Progress.
PEMSEA Accomplishment Report 2011–2013

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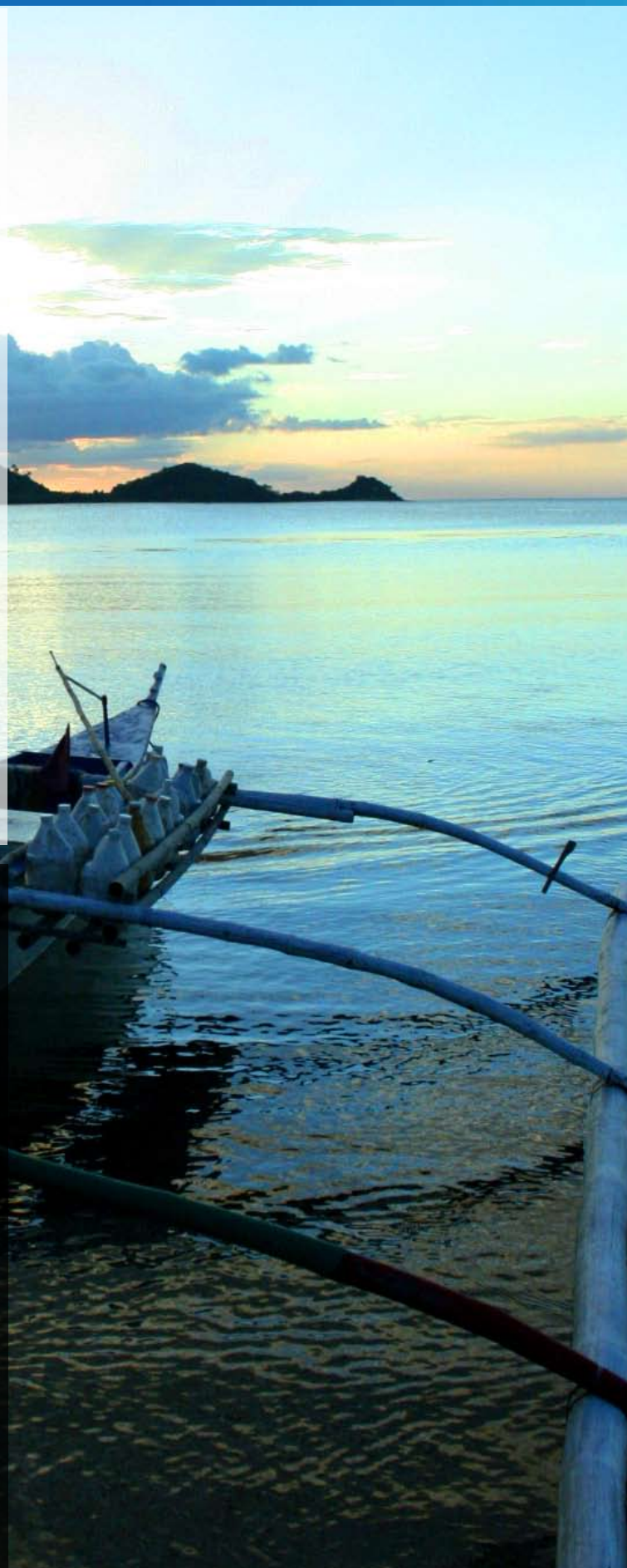
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Messages



In the past few years, the East Asian Seas (EAS) region has experienced a number of changes and challenges in the economic, environmental and sociopolitical levels. In particular, East Asia has been showing significant economic progress and rendered the region as the fastest-growing developing region in the world. Parallel to this progress, however, the people of the region have also witnessed several challenges brought about by population increase, continuous environmental decline, natural disasters and man-made hazards, etc. With the region's seas and coasts bearing most of the brunt, calls to sustainably manage the seas of East Asia have become stronger in recent years.

Against this backdrop, PEMSEA's role in the region becomes even more relevant. Guided by the Sustainable Development Strategy for the Seas of East Asia (SDS-SEA), the countries of the region further strengthened their resolve to align the implementation of the SDS-SEA with the target of building an ocean-based blue economy with the signing of the Changwon Declaration in 2012. This agreement underscores the region's commitment to sustainable progress in line with the targets of the Rio+20. The Declaration also renews the region's commitment to previous Ministerial Declarations that emphasized the need for strengthened ICM implementation to address the growing challenges brought about by climate change and other emerging environmental concerns, and to achieving the SDS-SEA targets set for 2015.

While this accomplishment report covers the main achievements by PEMSEA and its Partners and collaborators from 2011 to 2013, it is also fitting to emphasize the journey that PEMSEA has undertaken as it celebrates its 20th anniversary this year. What PEMSEA has achieved — alongside the transformation it has gone through in the last 20 years — was not an easy feat. Being part of the Executive Committee of the EAS Partnership Council in the last couple of years, I have seen PEMSEA's valiant efforts to affect change in the region. By staying true to its mandate, PEMSEA has demonstrated significant progress as shown by the continuing increase in PEMSEA's ICM sites and networks, strengthened implementation of the SDS-SEA from local to national to regional level and enhanced capacities in coastal and ocean management and development. At the institutional level, PEMSEA is steadily moving toward becoming a full-fledged self-reliant organization that is more responsive to the needs of the region.

Over the years, PEMSEA has galvanized the support of national and local governments, international research and policymaking bodies, donors, private institutions and other collaborators to work together in realizing the region's shared vision for sustainable coastal and marine development.

With these achievements, I am excited to witness what is in store for PEMSEA and the EAS region in the future. We are ready to take on and rise above all the challenges. Through trust, hard work and strong synergy among our Partners, I am confident that PEMSEA will remain committed in forging inclusive partnerships and promoting regional ownership and cooperation across the region.

Amb. Mary Seet-Cheng

Chair

East Asian Seas Partnership Council



The year 2013 marks a major milestone, not just for PEMSEA but also for the whole East Asian Seas (EAS) region. It's been two decades since we started sowing the seeds for the sustainable management of the seas of East Asia, and we are now slowly reaping the fruits of our labor.

This year, we celebrate not just the achievements of PEMSEA as a leading international organization on ocean and coastal governance, but also the achievements of all the countries and organizations in the region in protecting and preserving our shared seas.

Although the region's oceans and coasts continue to be marred with various threats, especially to the crucial ecosystem services it provide, PEMSEA's achievements over the years serve as proof of the growing commitment from the region to continue working together to address these issues. The dynamic partnerships among East Asian countries and collaborating organizations over the years reflect PEMSEA's vital role and relevance in the region.

One of PEMSEA's recent achievements was the adoption of the Changwon Ministerial Declaration in 2012. This Declaration was the region's response to the Rio+20 outcomes by promoting the development of an ocean-based blue economy through the strengthened implementation of the Sustainable Development Strategy for the Seas of East Asia (SDS-SEA). The Dongying Declaration, adopted by the PEMSEA Network of Local Governments for Sustainable Coastal Development (PNLG) in 2011, and the EAS Congress 2012 held in Changwon City, RO Korea, were also anchored on the concept of a blue economy.

As highlighted in this report, PEMSEA has also taken significant steps these past two years in establishing itself as a full-fledged self-sustaining regional organization. Furthermore, PEMSEA has also scaled up the implementation of integrated coastal management (ICM) to several coastal communities and has put forward initiatives in strengthening as well as documenting the region's wealth of knowledge and experience in marine and coastal governance.

Witnessing PEMSEA's evolution over the last 20 years — as Regional Programme Director from 1993 to 2007 and as EAS Partnership Council Chair until July of this year — I would have to say that it has been a long, arduous yet worthwhile journey. I believe that without the confidence and dedication of our 11 Country and 20 Non-Country Partners, donors and collaborators as well as friends and colleagues from the Global Environment Facility (GEF), United Nations Development Programme (UNDP), International Maritime Organization (IMO) and United Nations Office for Project Services (UNOPS) — and the people of East Asia, PEMSEA wouldn't exist today.

As my term as EAS Partnership Council Chair ends this year, I am confident that PEMSEA, through the partnerships it has fostered over the last two decades, will continue to steward the sustainable development of the region's oceans and coasts.

PEMSEA's journey in the last 20 years highlights the value of reciprocity. It is only through the mutual sharing of knowledge and experience and through genuine collaboration that we will be able to pass on a better seas of East Asia to the future generations.

A handwritten signature in black ink, appearing to read 'Chua Thia-Eng'.

Dr. Chua Thia-Eng

Former Chair

East Asian Seas Partnership Council



PEMSEA has indeed come a long way from a demonstration project on marine pollution prevention and management in 1993, to a rising international organization for coastal management and ocean governance 20 years later. Our journey has been replete with both successes and challenges, but the shared vision of healthy and sustainable seas and coasts remains bright for all the Partners, collaborators and stakeholders who care for the East Asian Seas. That is why I find our 20th anniversary theme, “People, Partners, Progress: 20 Years of Partnership for Our Shared Seas,” very apt for giving recognition and appreciation to our colleagues and friends who were instrumental in PEMSEA’s success and transformation over the years.

As PEMSEA’s third phase of the Global Environment Facility (GEF) support comes to a close in 2013, our work program for the past two years have centered on several key priorities, which are presented in further detail in this report. PEMSEA has focused on completing the activities and outputs indicated in the regional project on the implementation of the SDS-SEA and consolidating the results of the project, in collaboration with participating countries and ICM sites. We have also put in place the mechanisms to facilitate PEMSEA’s transformation into a full-fledged self-sustaining international organization, including Transformation Plans and Road Maps; Rules of Governance; a Headquarters Agreement with the Government of the Philippines; and internal and external audit of financial, administrative and management procedures. In 2011–2013, PEMSEA has also increased its efforts in enhancing the region’s intellectual capital and human resources in ICM through capacity development programs; and promoting PEMSEA’s message to a wider audience through events, policy advocacy, and communications and media.

As an organization that puts a premium on partnerships, we claim these recent accomplishments not solely for PEMSEA but also for our 11 Country and 20 Non-Country Partners; ICM site managers and Project Management Office staff; our partner agencies, including the GEF, United Nations Development Programme (UNDP), International Maritime Organization (IMO) and United Nations Office for Project Services (UNOPS); our donors, collaborators and supporting institutions; and the hardworking staff of the PEMSEA Resource Facility, who have displayed dedication and commitment to contributing to the achievements indicated in this report.

Since joining PEMSEA in 1996, I have seen how this organization has made great strides in fostering collective partnerships, implementing necessary actions and developing good practices. These have propelled PEMSEA into the ICM champion that it is today and a shining example for other coastal and marine regions in other parts of the world. I am confident that this organization is ready to move into the next phase of scaling up the implementation of the SDS-SEA and ICM, but this can only be possible with the full engagement and support of PEMSEA partners. I hope that as a region diversified by our cultures yet united by our waters, we can continue to join hands and show the strength and solidarity of the East Asian Seas.

Stephen Adrian Ross
Acting Executive Director
PEMSEA Resource Facility

Executive Summary

This report presents PEMSEA's achievements and collaborative actions from July 2011 to July 2013. The events and successes of the past two years were both crucial and meaningful to the organization as it celebrates 20 years of pursuing the region's shared vision of sustainable seas and coasts, and prepares to advance to the next phase of scaling up the implementation of the Sustainable Development Strategy for the Seas of East Asia (SDS-SEA).

Moving Forward with the Regional Project on SDS-SEA Implementation

PEMSEA, along with Country Partners and integrated coastal management (ICM) sites in the East Asian Seas region, prioritized the completion of the Project for the Implementation of the SDS-SEA. At the local level, the most notable achievements include the development of State of the Coasts (SOC) reports and ICM case studies, as well as the planning and improvement of ICM program implementation. The regional project also underwent a terminal evaluation and received a highly satisfactory rating, which provides a good turnover to PEMSEA's entry into its new phase.

Paving the Way to Transformation

PEMSEA has put in place enabling mechanisms building toward PEMSEA's transformation into an international organization. These include the adoption of PEMSEA's governance documents, transformation plans and road maps; signing of the Headquarters Agreement between PEMSEA and the Philippine government; completion of the external audit for PEMSEA's financial and administrative system; working toward ISO certification of the PEMSEA Resource Facility (PRF) Quality Management System; and securing endorsements for its application as an implementing partner of the United Nations Development Programme (UNDP).

Scaling up SDS-SEA Implementation

At the national level, the formulation and adoption of Five-Year SDS-SEA Implementation Plans were undertaken, as well as the administration of ICM scaling-up initiatives and national policy reforms. At the regional level, Non-Country Partner activities also contributed significantly to meeting the SDS-SEA scaling-up objectives and targets. PEMSEA also embarked into various partnerships and collaborative arrangements and was able to leverage additional resources for both technical and financial support of ICM scaling-up.

Enabling Capacities

From 2011 to 2013, PEMSEA was able to conduct almost 30 training workshops, train about 1,000 individuals, engage more than 70 Regional and National Task Force members and host eight interns and one fellow. PEMSEA also set up Regional Centers of Excellence for SDS-SEA implementation, mobilized ICM Learning

Centers for capacity-building activities and local ICM initiatives, developed additional manuals, conducted study tours, and led efforts to certify ICM professionals and modify the curriculum of ICM-related courses.

Advocacy, Communications and Knowledge Sharing

PEMSEA continued to advocate the SDS-SEA by conducting and participating in various regional and international events, workshops and conferences, including the East Asian Seas Congress and the PEMSEA Network of Local Governments for Sustainable Coastal Development (PNLG) Forum both held in Changwon, RO Korea in 2012, as well as the annual World Ocean Week in Xiamen. Other advocacy-related achievements include the launching of the Port Safety, Health and Environmental Management (PSHEM) Code and Recognition System and Guidebook on the State of the Coasts Reporting as PEMSEA-certified documents; publication of various technical documents and development of Information-Education-Communication (IEC) materials; completion and launching of an online library catalog; and enhancement and application of existing and new media for information dissemination.

Preparing for PEMSEA’s Next Phase

Initial steps have been made toward collaborative planning and development of programs supported by the UNDP, the World Bank, the Global Environmental Facility (GEF) and PEMSEA Partners that will greatly contribute to scaling up the implementation of the SDS-SEA. These programs focus on the scaling up of partnership investments for sustainable marine and coastal development, reducing pollution and rebuilding degraded marine resources, and scaling up the coverage and effectiveness of marine conservation areas and threatened species protection.

Challenges

Along with PEMSEA’s achievements and accomplishments in recent years are a number of factors that have challenged the sustainability of PEMSEA operations. These include limitations in national ICM coordinating mechanisms; lack of knowledge, experience and financial commitment with respect to ICM development and implementation; frequent changes in personnel and contact points within PEMSEA National Focal Agencies; and increasing demands on the limited resources of the PRF.

As PEMSEA enters into a new phase, it is only expected to further strengthen its operations and maintain existing relationships with stakeholders, as well as expand its network. With the celebration of its 20th anniversary, PEMSEA has proven its worth and credibility in effectively implementing projects, building partnerships, enhancing the capacity of countries in the region and providing an efficient platform and a common vision for coastal and ocean governance in East Asia.

Moving Forward with the Regional Project on SDS-SEA Implementation

Country- and Local-level Achievements

For the past two years, PEMSEA has focused on completing all outstanding activities and outputs and consolidating the results of the regional project on the implementation of the Sustainable Development Strategy for the Seas of East Asia (SDS-SEA), with support from the Global Environment Facility (GEF) and the United Nations Development Programme (UNDP) and in collaboration with participating countries and integrated coastal management (ICM) sites. Country-level and local outputs that were the focus of this activity included the following:

CAMBODIA

- National policy reforms catalyzed, including the approval of new regulations such as Decision No. 152 (July 2012) on the establishment of the Coastal Management and Development Committee (CMDC) at the national and provincial levels to facilitate interagency collaboration on coastal management
- ICM scaling-up activities for Kampot Kep and Koh Kong initiated through involvement in various national and regional training activities including the annual PEMSEA Network of



ICM scaling-up activities for Kampot Kep commenced through participation in various training activities in Cambodia.

Local Governments for Sustainable Coastal Development (PNLG) Forum and the East Asian Seas (EAS) Congress; guidance provided by Preah Sihanouk in initiating activities

- The Port Safety, Health and Environmental Management System (PSHEMS) implemented in the autonomous ports of Sihanoukville and Phnom Penh in collaboration with PEMSEA and with the support of the German International Cooperation (GIZ)

Preah Sihanouk

- Establishment of Preah Sihanouk Province's CMDC, an institutional arrangement for coastal management
- Coastal Strategy Implementation Plan (CSIP) updated as the Sustainable Development Plan for Preah Sihanouk being drafted
- Implementation of the project, *Sustainable Sihanoukville through*

Climate Change Planning and Adaptation, in collaboration with the Cambodian Climate Change Alliance; Regional Task Force (RTF) mobilized to conduct beach erosion assessment

- Beach management zoning schemes in three beaches of Occheauteal, Serendipity and Otres in Sihanoukville being implemented
- Training workshops on Coastal Use Zoning (CUZ) for fisheries and protected area management (2011)
- Business forum established to encourage private sectors' involvement in coastal management

PR CHINA

- PR China's legislative body approved the establishment of the National Oceanic Commission and China Coast Guard, a national high-level consultative and coordinating body for oceanic development strategies,



Celebration of Fishery Day (16 September) in Yangjiang, PR China, a well-known cultural festival in some coastal cities to worship the ocean for its sustainable supply of goods and services.



Innovating and modernizing aquaculture is one of the strategies of Dongying, PR China, to reduce pollution for all-inclusive blue economy development.

to reduce overlapping mandates and conflicts in law enforcement and improve efficiency in managing programs

- PR China approved the *National Marine Function Zoning Scheme 2011–2020*, setting national binding targets on sea areas for marine protected areas (MPAs), fisheries, reclamation, reservation, natural coastlines and consolidated and restored coastlines

Xiamen

- *Jiulong River-Xiamen Bay Ecosystem Management Strategic Action Plan* completed and published (2012)

Yangjiang

- Sea use zoning plan for aquaculture completed (2012); 45 percent of aquaculture areas as of 2012 are certified as pollution-free

Fangchenggang

- Interagency ICM Coordination and Management Committee operationalized (2011) through consultation and adoption of sea use zoning plan (2012)

Quanzhou

- Management Regulations of Payment for Water Resources Conservation in Headwaters of Jinjiang River and Luojiang River enabled an allocation of USD 16 million for upstream water resource management (2011)
- Marine environment protection plan adopted (2012)

Haikou

- Coastal Conservation and Use Plan adopted (2011)

Laoting

- Sea use plan and marine disaster response plan approved using the ICM Leadership Group as the

coordinating mechanism (2011)

Dongying

- Implementation of 1,086 projects in Guangli River from 2007 to 2011 worth USD 540 million resulted in the reduction of chemical oxygen demand (COD) and ammonia nitrogen by 74 percent and 89 percent respectively

Bohai Bay

- Integrated river basin and coastal area management (IRBCAM) in Bohai Bay produced total pollutant loading control reports and investment plans in Daling, Hai, Luan and Guangli Rivers (2011)
- Additional 163 projects planned in the three river basins with planned investment of USD 2.6 billion to mitigate pollutants from industries, aquaculture, urban



Training workshop on ICM scaling-up and integration of land and sea use plans for Sukabumi Regency in Indonesia held in May 2012.



Paksong District in southern Lao PDR hosted the first celebration of the International World Water Day.

sewage and agriculture runoff and reduce the rate of ecosystem degradation

DPR KOREA

- ICM experts and coastal managers regularly trained by the National ICM Learning Center in Kim Il Sung University

INDONESIA

- Stakeholder consultations identified 16 priority locations for ICM scaling-up by 2019 (2013)
- Stakeholder consultation workshops undertaken by the Ministry of Environment developed environmental management action plans for Tomini Bay and Bali Strait (May 2013)

Jakarta Bay

- Stakeholder consultation workshop to develop ICM program

conducted in Jakarta identifying relevant initiatives and strategies to develop an ICM program focusing on pollution reduction (August 2011)

- IRBCAM in Jakarta Bay/Ciliwung River produced an initial report on estimated total maximum daily load of priority pollutants in the watershed/coastal area (2012)

Bali

- Workshop on pollution management conducted (2011)
- Work plan for developing an integrated pollution and waste management action plan for Bali Province developed
- Updated Coastal Strategy for Bali Province completed, approved by provincial legislative body and submitted to the Governor for signature (2013)

Sukabumi

- Orientation of Project Coordinating Committee (PCC) members and ICM training and planning workshop for nine subdistricts of Sukabumi Regency conducted (May 2012); Priority actions include updating of the coastal strategy to cover all subdistricts and integration of land and sea use plans

JAPAN

- High-level meeting conducted with the Ministry of Land, Infrastructure, Transport and Tourism on PEMSEA's transformation and regional ownership conducted (2012)

LAO PDR

- Implementation of the National Water Resources Policy, Strategy and Action Plan commenced in



The local government and residents of Guimaras, Philippines, are committed to implementing coastal management programs for the island, as highlighted in the recently published SOC report of the province.



Multisector consultation meetings are paving the way for the development of the Batangas Bay Watershed Rehabilitation and Sustainable Development Plan in Batangas, Philippines.

at least five major river basins, including Nam Ngum, Nam Kading, Xebangfai, Xebanghieng, Sekong, Sedone and Nam Ou

Sedone

- Stakeholder consultations conducted to finalize the Sedone Sustainable Development Strategy (2012–2013)
- Houay Champi Integrated Sub-River Basin Management implemented with support from the Swiss Agency for Development and Cooperation (SDC)
- Implemented a pilot-scale community-based waste management system covering 3,000 households along the Sedone River as part of the initial activities under the Sedone Integrated River Basin Management Project (SIRBMP)

PHILIPPINES

- Trainings, workshops and consultations on ICM planning and coastal strategy conducted in the provinces of Camarines Sur, Quezon and Sorsogon (2011)
- National collaborative planning and consultation workshop in the GEF/UNDP/PEMSEA Project on Scaling up the Implementation of SDS-SEA conducted (June 2013)

Guimaras

- Municipal and provincial consultations on the preparation and refinement of the Guimaras Coastal Strategy and Implementation Plan (CSIP) conducted (November 2011, April 2012 and March 2013); Guimaras CSIP drafted and undergoing final review

Batangas

- Organizational Meeting of the Batangas Environment Response

- Team and Environmental Protection Council conducted (June 2011)
- Identification of specific projects for implementation under the Batangas ICM Program discussed with Senator Ralph Recto (January 2012)
- ICM orientation workshop for 34 coastal and non-coastal municipalities of Batangas Province conducted (November 2012)
- Consultation meetings for the proposed Batangas Bay Watershed Rehabilitation Project conducted (April 2012, April 2013 and May 2013); Meetings involved six municipalities and one city of Batangas Province, the Provincial Government Environment and Natural Resources Office (PG ENRO) and participating universities in Batangas (Batangas State University, De La Salle-Lipa and Lyceum of the Philippines University-Batangas); Concept paper for the proposed project, the Terms of Reference (TOR)



Various studies in eutrophication, nutrient management and climate change risks were conducted for the Manila Bay area in the Philippines.



The SGP-PEMSEA project in Orion, Bataan, Philippines, reported exceeding the target of 0.06 km² of rehabilitated mangrove areas and surpassing the requirement of 5,000 m² of mangrove nurseries.

of the Technical Working Group (TWG) and project logframe developed; Draft Memorandum of Understanding (MOU) prepared for the proposed partnership between the Province of Batangas, De La Salle-Lipa and PEMSEA to develop the Batangas Bay Watershed Rehabilitation and Sustainable Development Plan

Manila Bay

- Manila Bay Coordinating Office (MBCO) established (July 2011)
- A road map for revision and implementation of the Operational Plan for the Manila Bay Coastal Strategy (OPMBCS) developed and adopted
- OPMBCS 2011–2015 developed and adopted by the MBCO/Department of Environment and Natural Resources (DENR) (2011)
- Assessment of the status of Integrated Information Management System (IIMS) at the regional offices (Regions

3, 4A and NCR) and ICM sites (Bataan and Cavite) conducted (March–April 2012)

- Manila Bay IIMS Integration Workshop conducted (September 2012); Module 2 IIMS training conducted (February 2013)
- Project Cooperation Agreement signed by the United Nations Environment Programme (UNEP) and PEMSEA to implement the project, *Global foundations for reducing nutrient enrichment and oxygen depletion from land-based pollution, in support of Global Nutrient Cycle* (August 2012)
- Scientific study on *Understanding the Dynamics of Hypoxia and Eutrophication in Manila Bay through Hydrodynamic and Watershed Modeling* in support of Component B of the UNEP Project conducted in collaboration with the University of the Philippines-Marine Science Institute (UP-MSI) (August 2012–

January 2013)

- Good Practices, Lessons Learned in Nutrient Management in the Agricultural Sector in the Manila Bay Watershed initiated in support of the UNEP Project in collaboration with the Agricultural Training Institute of the Department of Agriculture (May 2013)
- A Study Using Artificial Mussels as a Supplemental Biomonitoring Tool to Assess Metal Pollution in Manila Bay initiated in collaboration with the Marine Environment and Resources Foundation Inc. (January 2013)
- *Total Pollution Loading Study in the Laguna de Bay-Pasig River-Manila Bay Watershed* completed and published in collaboration with the DENR, Laguna Lake Development Authority (LLDA), concerned government agencies and the private sector (July 2013)
- Study on *Integrating Climate Change and Disaster Risk Scenarios into*



The province of Cavite, Philippines, drafted its Sustainable Development Strategy and Integrated Land and Sea Use Zoning Plan.



RO Korea, through the Ministry of Land, Transport and Maritime Affairs, hosted the EAS Congress in July 2012.

Coastal, Land and Sea Use Planning in Manila Bay completed and published (June 2012)

- Draft final report on Economic Loss Due to Environmental Damage and Economic Benefit-Cost of Adaptation in the Manila Bay Area: An Initial Assessment submitted

Bataan

- Hosted the field study visit for Coral Triangle Initiative-Local Government Network (December 2012)
- Petron Corporation, as one of the partners, received the Environment and Sustainable Development Special Award at the Second Management Association of the Philippines Corporate Social Responsibility Leadership Challenge (March 2012)
- Site visit and review of progress of the UNDP-GEF Small Grants Programme (SGP)/PEMSEA Project in Orion, Bataan, reported: target of 0.06 km² of mangrove areas

exceeded; requirement of 5,000 m² of nurseries surpassed; protected areas delineated; and artificial reef modules partially constructed

Cavite

- Cavite ICM Program discussed at the Cavite Mayors' League Meeting (October 2011)
- Final draft of Cavite Sustainable Development Strategy prepared and presented to PEMSEA (June 2013)
- Cavite Integrated Land and Sea Use Zoning Plan drafted

Bulacan

- Results of the project on the development of macro-scale land and sea use zoning plan for Manila Bay presented in the Second Forum on Impacts of Tidal Flooding on Coastal Communities (August 2011)
- Executive Order No. 2012-08 creating the Special Committee on ICM under the Provincial Development Council

and defining the powers and function thereof issued by Gov. Wilhelmino Sy-Alvarado (May 2012)

Pampanga

- *Sangguniang Panlalawigan* Resolution No. 2340 requesting the Office of the Governor to develop and implement an ICM program in the coastal towns of Lubao, Sasmuan and Macabebe passed (August 2011)
- Executive Order No. 07-2012 creating the TWG for the formulation of ICM Plan/Coastal Strategy for Pampanga passed (2012)
- Provincial Environment Code of the Province of Pampanga incorporating the ICM program approved (2013)

RO KOREA

- Changwon City and the Ministry of Land, Transport and Maritime Affairs (MLTM) hosted the EAS Congress 2012. The MLTM also hosted the



Bangkok Port in Thailand shared its experiences and achievements in implementing the PSHEMS and attaining PEMSEA recognition in a case study recently published in *Tropical Coasts*.



Community projects in Chonburi, Thailand, increased the capacity and participation of residents on waste management, establishment of recycling banks and reduction of municipal wastes.

Fourth EAS Partnership Council meeting in Busan (2011)

- A working-level meeting conducted with the MLTM on PEMSEA's transformation and regional ownership held (April 2013)

SINGAPORE

- Published the Coastal Profile of Singapore
- Initiated the development of a national State of the Coasts (SOC) report for Singapore (July 2013); National Parks Board commissioned the National University of Singapore (NUS) to initiate the development of the SOC report for Singapore; the NUS met with the PEMSEA Resource Facility (PRF) and visited Batangas to learn about the process and requirements for SOC development

THAILAND

- National and local consultations identified 12 priority locations for ICM scaling-up by 2019 (2013)
- Sensitivity mapping project underway in the Gulf of Thailand involving Cambodia, Thailand and Vietnam, with financial support from the Korea International Cooperation Agency (KOICA)/Yeosu Fund; Gulf of Thailand Atlas under development (2013)
- Recognition issued for expanded scope of the PSHEMS in Bangkok Port (August 2011); surveillance audit, training of internal auditors, and PSHEMS awareness training for Bangkok Port management and Port Authority of Thailand conducted (2013); maintenance of PSHEMS implementation in Laem Chabang Port

Chonburi

- Chonburi CSIP (ICM Action Plan for Chonburi 2012–2014) updated to include 99 local government

- members (2011); joint review and planning process undertaken annually to agree on key actions for incorporation in local development and budget plans
- ICM coordination and management mechanism strengthened in response to ICM scaling-up to the entire province, including transfer of ICM Secretariat from Sriracha Municipality to the Chonburi Provincial Administrative Organization (2012)
- ICM Learning Network for Chonburi established by the Provincial ICM Coordinating Committee to support capacity development needs for ICM scaling up; ICM orientation and capacity development workshop held (December 2012)
- Chonburi Oil Spill Contingency Plan developed and adopted with technical advice from the Oil Spill Response Limited (OSRL); shoreline



Baseline scoping for the development of sustainable livelihood programs was conducted in Timor-Leste in 2011.



Mangrove rehabilitation activity held in Liquica, Timor-Leste, on December 2011.

assessment and preparation of operational plan ongoing (2013)

- Two projects supported by the SGP completed (August 2012). The projects — titled *Promoting and Instilling Awareness for Waste Management* and *Adding Value to Waste and Developing Community* — which were implemented in nine communities in seven municipalities, contributed to increased understanding, capacity and participation of target population on waste management, establishment of garbage (recycling) banks and demonstration centers for waste management, reduction of municipal wastes, and additional income for participating communities
- Study tour in Bali, Indonesia, facilitated for the exchange of experiences and good practices on ICM implementation focusing on sustainable tourism development

and disaster risk reduction and management (July 2013)

TIMOR-LESTE

- Training workshop on Ecosystem Approaches to Managing Coastal and Marine Resources in Timor-Leste conducted in collaboration with U.S. Coral Triangle Initiative/ Coral Triangle Support Partnership (US-CTI/CTSP), National Oceanic and Atmospheric Administration (NOAA), U.S. Navy and the Ministry of Agriculture and Fisheries (MAF) (June 2011)
- Interagency workshops for the preparation of a National Marine and Coastal Policy for Timor-Leste conducted and an initial draft policy document prepared (2013)
- Participation of national and district officers and personnel in regional knowledge-sharing forums, including the EAS Congress and PNLG Forum

Liquica and Manatuto

- Baseline scoping for the development of sustainable livelihood programs conducted (August 2011)
- Orientation of ICM task teams in the districts conducted where interim, interagency coordinating mechanisms at the district level established (March 2012)
- Continuing operation of community groups trained on seaweed farming and salt-making
- 0.02 km² of mangrove areas rehabilitated in Liquica and Manatuto; tree planting conducted in 0.01 km² of abandoned salt pond in Manatuto (2013)
- Participation of Liquica and Manatuto representatives in national consultation workshops on the development of the Five-Year SDS-SEA Implementation Plan and draft Marine and Coastal Policy for Timor-Leste



An ICM workshop helped establish the next steps for the project *Management of Natural Resources in the Coastal Zone of Soc Trang Province* in Vietnam.



Danang City, Vietnam, an ICM demonstration site, shared its experiences on sustainable development, climate change adaptation and disaster risk reduction in a recent case study.

VIETNAM

- Leadership Forum on Sustainable Development of Coastal and Marine Areas conducted during the celebration of Vietnam's Sea and Islands Week in Nha Trang (2011)
- High-level mission to Vietnam conducted to discuss the regional ownership of PEMSEA and hosting of the 2015 EAS Congress (2012)
- Reports on the establishment of interim institutional arrangements and capacity development support for ICM implementation in Vietnam submitted; currently under review and finalization
- Letter of Cooperation between PEMSEA, GIZ Vietnam and People's Committee of Soc Trang signed, facilitating the implementation of mutually agreed activities contributing to sustainable marine and coastal management in Vietnam, with special focus on knowledge sharing and capacity

building on ICM in Soc Trang Province (April 2013)

- National collaborative planning and consultation workshop on the Project on Scaling up the Implementation of the SDS-SEA conducted (May 2013)

Danang

- Consultation meeting for the sustainable management of water resources in Vu Gia-Thu Bon River Basin conducted (July 2012); profile, status report and proposed integrated management plan for the river basin submitted (December 2012)
- Consultation meeting for the establishment of Hai Van-Son Tra MPA conducted (July 2012)
- Capacity development program for ICM implementation prepared and submitted (February 2013)
- Assessment report and recommendations for strengthening

the ICM system in Danang prepared and submitted (March 2013)

- Implementation of ICM-related activities by Danang's Department of Natural Resources and Environment (DONRE)/ICM Office in 2011–2013 focusing on the following:
 - (a) Developing Danang into an environmental city;
 - (b) joint program for environmental protection in coordination with seven civil society groups (i.e., National Front Committee of Danang City, Danang Farmers' Association, Veterans Association, Women's Association, Danang Labor Union, Youth Union and Science and Technology Union);
 - (c) monitoring of environmental status and preparation of Five-Year Environmental Status Report (2005–2009);
 - (d) public awareness raising;
 - (e) urban environmental sanitation; and
 - (f) preparation of draft plan to respond to climate change and sea-level rise in Danang to 2020

State of the Coasts Development and Implementation

From 2012 to 2013, State of the Coasts (SOC) reporting initiatives were implemented in collaboration with national and local governments as part of the regional project, with the following results:

Countries/Sites	SOC Status
Preah Sihanouk, Cambodia	<ul style="list-style-type: none"> Completed (2012); undergoing final technical review
Dongying, PR China	<ul style="list-style-type: none"> Adopted and published
Fangchenggang, Haikou, Laoting, Lianyungang, Panjin, Quanzhou, Qingdao Xiamen and Yangjiang, PR China	<ul style="list-style-type: none"> Completed and pending adoption
Indonesia	<ul style="list-style-type: none"> SOC Reporting System adopted by the MOE SOC guide translated and published in Bahasa Indonesia Online SOC database and encoding system established SOC orientation workshops conducted for priority sites; draft reports prepared and to be consolidated into the SOC report for Jakarta Bay
Jakarta Bay, Indonesia	<ul style="list-style-type: none"> Preparation of SOC reports for Banten, Jakarta and West Java provinces initiated
Sukabumi, Indonesia	<ul style="list-style-type: none"> Orientation conducted and SOC task team established (February 2012); SOC data gathering initiated
Sedone, Lao PDR	<ul style="list-style-type: none"> <i>State of the River Basin for Sedone</i> developed (2012); undergoing technical review
Philippines	<ul style="list-style-type: none"> Updating of the <i>State of the Coasts of Batangas</i> report initiated (May 2013) SOC reporting initiated in the provinces of Bataan, Bulacan and Pampanga (November and December 2012) <i>State of the Coasts of Guimaras</i> report published (June 2012)
Masan Bay, RO Korea	<ul style="list-style-type: none"> Meeting and review of draft SOC report for Masan Bay (November 2012)
Chonburi, Thailand	<ul style="list-style-type: none"> Draft SOC report undergoing final technical review and editing; Initial report displayed at the EAS Congress 2012
Liquica and Manatuto, Timor-Leste	<ul style="list-style-type: none"> Training on rapid appraisal and SOC reporting and conduct of rapid appraisal and stakeholder consultations (August 2011) Draft SOC reports undergoing technical review and editing; Initial reports displayed at the EAS Congress 2012
Danang, Vietnam	<ul style="list-style-type: none"> SOC report prepared; Vietnamese version approved by Danang People's Committee in October 2012 (Decision No. 8807 /QĐ-UBND); English version undergoing technical review and editing; Initial report displayed at the 2012 EAS Congress

Case Studies Developed in ICM Sites

Country/Site	Title of Case Study/ies
Preah Sihanouk, Cambodia	<ul style="list-style-type: none"> • “Beach management as a contribution to Sustainable Tourism in Sihanoukville, Cambodia” (published in <i>Tropical Coasts</i>, July 2012)
Xiamen, PR China	<ul style="list-style-type: none"> • <i>Integrated Marine Disaster Risk Management in Xiamen</i> (published, December 2011)
Bali, Indonesia	<ul style="list-style-type: none"> • “Sustainable Tourism Development: Case Study in Denpasar Municipality, Bali, Indonesia” (published in <i>Tropical Coasts</i>, July 2012)
Batangas, Philippines	<ul style="list-style-type: none"> • MPA Networking in Batangas, Philippines: Contributing to the Management of Verde Island Passage Marine Corridor (prepared) • Batangas Environment Laboratory: Enabling Capacity of Local Governments to Monitor Environmental Changes (prepared) • Private Sector Participation in ICM Implementation in Batangas, Philippines: Catalyzing Perception Change Among Coastal Communities in Environmental Management (prepared)
Guimaras, Philippines	<ul style="list-style-type: none"> • A Comparative Analysis of Approaches in Managing MPAs in Nueva Valencia, Guimaras (prepared) • Ecotourism Development in Basyaw Cove, Guimaras: Enabling People’s Organization’s Participation (prepared)
Thailand	<ul style="list-style-type: none"> • “Greening Ports: Bangkok Port’s Experience and Achievements” (published in <i>Tropical Coasts</i>, July 2012) • “Safety, Health and Environmental Improvement Programs in a Rapidly Growing Port: Laem Chabang Port” (published in <i>Tropical Coasts</i>, July 2012)
Chonburi, Thailand	<ul style="list-style-type: none"> • “Mobilizing Stakeholder Participation and Ownership through ICM: Lessons from Chonburi, Thailand” (published in <i>Tropical Coasts</i>, July 2012)
Danang, Vietnam	<ul style="list-style-type: none"> • Sustainable Development, Climate Change Adaptation and Disaster Risk Reduction: A Case Study in Danang, Vietnam (published in <i>Tropical Coasts</i>, July 2012) • Environmental City Initiative in Danang, Vietnam: Promoting Blue Economy Development (prepared) • Fisher’s Club: Livelihood in Transformation in Danang, Vietnam (prepared)

High Satisfactory Rating for PEMSEA’s Third Phase Evaluation

As PEMSEA’s third phase comes to a close, a terminal evaluation was conducted from September to October 2012 to assess the impact, efficiency, effectiveness, replicability and sustainability of the GEF/UNDP Project on the Implementation of the SDS-SEA.

The highly satisfactory rating accorded to PEMSEA attests to the organization’s quality of project management and delivery. PEMSEA has consistently received highly satisfactory ratings from independent evaluations since its inception.

The independent evaluation — conducted by Mr. David LaRoche, an international waters governance specialist, and Dr. Clive Wilkinson, a coastal and ocean management specialist — provided a good basis for defining the next phase of PEMSEA. Some of the key recommendations of the evaluation are the following:

- For PEMSEA and its supporting partners to continue the combination of top-down and bottom-up approaches that have yielded substantial local, national, regional and global benefits;
- For the PRF to handle the ongoing responsibility and the funding necessary to assure a programmatic approach for regionally based activities in the EAS region; and
- For the next GEF intervention to reinforce and build upon past successes and major initiatives that have characterized past interventions (i.e., ICM implementation).



Dr. Clive Wilkinson visiting Guimaras, Philippines, to assess the effectiveness and sustainability of PEMSEA’s initiatives.

Paving the Way to Transformation

Since 2011, PEMSEA has stepped up its efforts to put in place enabling mechanisms for PEMSEA's transformation into a full-fledged international organization.

Strengthening PEMSEA's Governance

To strengthen its governance system and enable PEMSEA to fully function as an international organization, as well as enhance the confidence of donor institutions, the following documents were included in the PEMSEA Rules of Governance and adopted and implemented as main guidelines for PEMSEA operations, including:

- PRF Procurement Guidelines;
- Code of Ethics for PEMSEA Personnel; and
- Rules on Reporting and Investigation of Violations of Code of Ethics.

In compliance with international fiduciary standards, the 11th Executive Committee in October 2012 has also adopted the TOR of the Audit Committee that will provide advice and oversight on PEMSEA's strategies, business objectives and audit functions.

Signing of Headquarters Agreement with the Government of the Philippines

With the strong support of the Department of Environment and Natural Resources (DENR) of the Philippines, the PRF and the Government of the Philippines, through the Department of Foreign Affairs, signed the *Headquarters Agreement* in July 2012 to formalize the Philippines' commitment to host the PRF and granting of privileges and immunities to PEMSEA and its officials and staff.

Nine Certificates of Concurrence were secured and the Headquarters Agreement is set to be endorsed to the Office of the President, and thereafter to the Philippine Senate for final ratification.

Adopting PEMSEA's Transformation Plans and Road Maps

The PEMSEA Transformation Plans and Road Maps (PRF Reengineering Plan,

PEMSEA Sustainable Financing Plan and PEMSEA Advocacy and Communication Plan) were adopted during the Executive Committee Meeting in October 2011.

To promote PEMSEA's sustainability, the following were undertaken:

- Conduct of internal and external audit on PEMSEA's management and financial system; external audit for 2011 and 2012 was performed by international auditing firm KPMG where no non-conformities were identified. The audit report is a key document to PEMSEA's application as UNDP implementing partner;
- The Government of the Philippines, through the DENR, has submitted its letter of endorsement to the UNDP in support of PEMSEA's application as implementing partner, which would enable the PRF to serve as the executing agency for the GEF/UNDP Scaling up the Implementation of the SDS-SEA project, resulting in more than USD 600,000 savings in overhead costs;
- Development of a PRF Management



PEMSEA's former Executive Director Prof. Raphael Lotilla and Secretary Albert del Rosario of the Department of Foreign Affairs of the Philippines signing the Headquarters Agreement.

Systems Manual based on the rules, good practices, standards and regulations as adopted and implemented by the EAS Partnership Council, UNDP and United Nations Office for Project Services (UNOPS), but adapted to the scope and capacities of the PRF in providing secretariat and technical services to PEMSEA Partners and collaborators;

- Internal and external audit performed in 2013 for PRF's Quality Management System for ISO 9001 Certification; no non-conformities were found and the PRF was recommended by TÜV Rheinland for certification to ISO 9001:2008, covering the PRF's "Provision of Management and Coordination, Secretariat and Technical Services (e.g., Capacity Development and Knowledge Management, Collaborative Planning and Project Implementation and Communications) to PEMSEA Partners"; and
- Initiation of the recruitment process for the PRF Executive Director and Policy and Planning Head.

Scaling up SDS-SEA Implementation

SDS-SEA Regional Review

A regional review of the progress, gaps and constraints experienced by Country Partners with respect to SDS-SEA implementation was initiated in 2010 and implemented in 2011 and 2012. The final report was published and disseminated during the EAS Congress 2012.

The report, covering the period from the adoption of the SDS-SEA as a regional

Status of Five-Year SDS-SEA Implementation Plans

Country	Status
Cambodia	Finalized
PR China	Finalized and adopted (2012)
DPR Korea	Draft Five-Year SDS-SEA Implementation Plan (2013–2017) under development
Indonesia	For submission to the Ministry of Environment (MOE) for adoption
Lao PDR	National Water Resources Strategy (2020) and Action Plan (2015) submitted to the Government for consideration
Philippines	National ICM Program (2012–2016) for adoption by the DENR National ICM Program mainstreamed into the Philippine Development Plan
Thailand	Draft prepared and for integration into the Department of Marine and Coastal Resources (DMCR) Strategy for Marine and Coastal Resources Management
Timor-Leste	Draft prepared
Vietnam	Revised; under review and finalization

strategy (2003) to the end of 2011, provides information on the progress being made toward the achievement of the 2015 targets for SDS-SEA implementation and sets the stage for the preparation of five-year regional and national SDS-SEA Implementation Plans.

From 2011 to 2012, with the guidance of the Executive Committee, national consultations were conducted among PEMSEA Country Partners concerning a medium-term action plan for achieving the following:

- a self-sustaining regional mechanism for SDS-SEA implementation;
- national coastal and ocean policy in at least 70 percent of PEMSEA Country Partners by 2015;
- ICM development and implementation programs covering at least 20 percent of the region's coastline by 2015; and

- a regular system of monitoring and reporting progress on ICM implementation and climate change adaptation.

Development and Adoption of the Five-Year National SDS-SEA Implementation Plan

The Five-Year Regional SDS-SEA Implementation Plan was completed and submitted to the Ministerial Forum in 2012, where it was adopted with the signing of the *Changwon Declaration* by the ministers and senior government officials from 10 Country Partners.

The PRF proceeded to work with the Country Partners to develop their respective five-year national SDS-SEA Implementation Plans. The table below summarizes the status in the development of these plans.

Non-Country Partner Activities Contributing to the SDS-SEA

Partner	Initiative/Activity 2011–2013
<p>ASEAN Centre for Biodiversity (ACB)</p>	<ul style="list-style-type: none"> • Promotion of the integration of the economic values of ecosystems and biodiversity through the project, “Disseminating the Values of Ecosystems and Biodiversity to Enhance Climate Change and Biodiversity Strategies in Southeast Asia” supported by the British Foreign and Commonwealth Office (July 2011–March 2012) • Continued implementation of regional studies, capacity-building activities and on-the-ground support on biodiversity under the Biodiversity and Climate Change Project with support from the GIZ • Implementation of six approved ACB-GIZ Pilot Projects on climate change and biodiversity in selected ASEAN Heritage Park (AHP) sites in four Association of Southeast Asian Nation (ASEAN) Member States: Lao PDR, Myanmar, Philippines and Vietnam • Training-Workshop on “Integrating Ecosystem Services into Development Planning” in collaboration with the GIZ Biodiversity and Climate Change Project, Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA), ECO-BEST Project and Highland Research and Development Institute of Thailand (Los Baños, Philippines; 3–7 December 2012 and Chiang Mai, Thailand; 18–22 February 2013). • Regional studies on Review and Analysis of the Management Effectiveness of AHPs, and Biodiversity of Protected Areas and Key Ecosystems in Southeast Asia • Completion of the Scoping Study on ASEAN-The Economics of Ecosystems and Biodiversity (TEEB) and presentation of results at a side event at the 11th Meeting of the Conference of the Parties to the Convention on Biological Diversity (CBD COP-11) (Hyderabad, India; 10 October 2012) • Training-Workshop on Strengthening Project Development and Management in Southeast Asia in collaboration with the GIZ Biodiversity and Climate Change Project and SEARCA (Philippines; 13–17 August 2012) • Support of the review of national framework and policies and conducted regional capacity-building workshops on access and benefit sharing through the project, <i>Building Capacity for Regionally Harmonized National Processes for Implementing CBD Provisions on Access to Genetic Resources and Sharing of Benefits</i>, with support from UNEP-GEF and in partnership with the United Nations University-Institute of Advanced Studies (UNU-IAS) and ASEAN Secretariat • Partnership through a signed Memorandum of Cooperation with the Secretariat of the Ramsar Convention (or the Convention on Wetlands of International Importance) (November 2011) and implementation of the Joint Work Plan • Participation in the 2012 International Union for Conservation of Nature (IUCN) World Conservation Congress (RO Korea; 6–15 September 2012) with BirdLife International and ASEAN-Korea Environmental Cooperation Project-Korea, through joint side events on MPA Networking and Conservation Campus, respectively • Capacity-building activities on taxonomy in 2012, with support of the Japan-ASEAN Integration Fund (JAIF), through: (a) development of training manuals and field guide on selected monocot plants of Northern Thailand and Southeast Asia; (b) conduct of training on biodiversity data organizing and mapping; (c) conduct of ASEAN Workshop on Communication, Education and Public Awareness (CEPA) for Taxonomy and Biodiversity Conservation; and (d) training course on freshwater/brackish-water fish taxonomy • Development of a training manual for park managers in cooperation with FREELAND Foundation, supported by the United States Agency for International Development (USAID)-funded Asia’s Regional Response to Endangered Species Trafficking (ARREST) Program and in partnership with the ASEAN Wildlife Enforcement Network (ASEAN-WEN) • Under the ASEAN-China Cooperation, implementation of the ASEAN-China Cooperation Plan on Biodiversity and Ecological Conservation and participation in the ASEAN-China Environmental Cooperation Forum 2012: Biodiversity and Regional Green Development (Beijing, PR China; 17–18 September) back to back with the seminar on Good Practices on Biological and Ecological Conservation in ASEAN and China • Participation in the Seminar on ASEAN-China Environmental Cooperation: Review and Prospect supported by the China-ASEAN Environmental Cooperation Center (Beijing, PR China; 17–18 April 2013) • Promotion of science-policy interface, in the context of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) and a workshop on “Capacity Building for Undertaking Ecosystem Assessments” in partnership with UNEP-World Conservation Monitoring Centre (WCMC) and the Ministry of Natural Resources and Environment of Malaysia (Forest Research Institute Malaysia; 29 October–2 November 2012) • On Biodiversity Information and Management: <ol style="list-style-type: none"> (i) ACB completed the development of the Fifth National Report to the CBD (5NR) encoding tool; established dedicated 5NR encoding URLs for Brunei Darussalam, Philippines and Singapore to facilitate preparation of their 5NRs; and developed a generic 5NR webpage to serve as basis for the development of 5NR encoding tutorials for main editors and contributors (ii) ACB conducted a Clearing House Mechanism (CHM) and Data Management Workshop for Timor-Leste’s core CHM team with support from UNDP Timor-Leste (14–18 January 2013) (iii) ACB also developed remote tutorial modules for mapping, CHM content uploading and species and protected areas database encoding

Non-Country Partner Activities Contributing to the SDS-SEA (continued)

Partner	Initiative/Activity 2011–2013
<p>ASEAN Centre for Biodiversity (ACB)</p>	<ul style="list-style-type: none"> Joint activities with PEMSEA at the EAS Congress 2012 for the workshop session on “Using ICM as a Tool to Achieve Aichi Targets.” GIZ, through the Biodiversity and Climate Change Project, also participated in the workshop as co-convener, together with the Asia-Pacific Economic Cooperation (APEC) Marine Sustainable Development Center based in PR China. The ACB and PEMSEA are also developing a joint project on “Applying Integrated Coastal Management to Strengthen Effectiveness of Marine Protected Areas in Key Biodiversity Areas of Southeast Asia and East Asia” to be submitted to the LifeWeb Initiative.
<p>International Environmental Management of Enclosed Coastal Seas (EMECS) Center</p>	<ul style="list-style-type: none"> EMECS 9 International Conference on the Environmental Management of Enclosed Coastal Seas with the theme, “Ensuring Accountability and Effective Communication for Successful Integrated Management of Enclosed Coastal Seas” (Baltimore, USA; 28–31 August 2011) EMECS International Seminar, “Towards the Solutions for Enclosed Coastal Seas in the World” (Kobe, Japan; 21 February 2012) EMECS International Seminar, “Integrated Coastal Management and Satoumi” (Kobe, Japan; 15 June 2012) “The Integrated Water Management of Coastal Seas/Bays and Catchment Areas” training course, supported by the Japan International Cooperation Agency (JICA) (Kobe, Japan; 4 September–2 November 2012)
<p>International Ocean Institute (IOI)</p>	<ul style="list-style-type: none"> Publication of <i>Thai Seas and Global Warming: Narrative School Children’s Artwork</i> (2011) First IOI Training Programme on Regional Ocean Governance for the Western Pacific, in cooperation with the State Oceanic Administration (SOA) (Tianjin, PR China; 31 October–18 November 2011) Publication of the 40th Anniversary of the IOI and Commemoration of the 10th Anniversary of Professor Elisabeth Mann Borgese’s Demise (8 February 2012) Launching of the <i>Ocean Yearbook Volume 26: Celebrating 30 Years of Ocean Governance Under the UNCLOS, 1982</i>, with Dalhousie University, Marine and Environmental Law Institute (2012) Presentation of the Coastal Community Development Exhibitions at the Changing Exhibitions, United Nations Pavilion, World Expo 2012 (Yeosu, RO Korea; 20–26 May 2012) Dr. Awni Behnam, President of the IOI and former Assistant Secretary-General of the United Nations, appointed as one of the five international experts to launch the process toward the building of <i>The Oceans Compact</i> (Yeosu, RO Korea; 12 August 2012) Launching of the <i>Ocean Yearbook Volume 27</i> with Dalhousie University, Marine and Environmental Law Institute (2013) Launching of the <i>World Ocean Review 2013: Living with the Oceans and The Future of Fish: The Fisheries of the Future</i> in cooperation with Maribus and Kiel Marine Science
<p>Korea Maritime Institute (KMI)</p>	<ul style="list-style-type: none"> Assistance at the EAS Congress 2012 Assistance at the Second National Integrated Coastal Management Plan and Fourth National Marine Environment Plan established by the Ministry of Oceans and Fisheries Research projects including studies on green shipping, islands management, marine spatial planning, valuation of marine ecosystem services and assessment measures of coastal vulnerability Implementation of official development assistance including researches for the establishment of a coastal disaster response plan for Indonesia International conference, <i>United Nations Convention on the Law of the Sea (UNCLOS) at 30</i>
<p>Korea Marine Environment Management Corporation (KOEM)</p>	<ul style="list-style-type: none"> Joint research on climate change adaptation in the EAS region based on the Letter of Agreement (LOA) between KOEM and PEMSEA MOU between KOEM and PEMSEA Joint research on monitoring and analysis of waters in the EAS region relating to climate change based on the LOA between KOEM and PEMSEA Hosted a study tour to the oil spill training facility of KOEM Cooperation on the organization of the workshop “Safeguarding Ocean-based Blue Economy through Innovative Solutions to Climate Change and Disaster Risk Reduction” at the EAS Congress 2012 based on the LOA between KOEM and PEMSEA KOEM officially became a Non-Country Partner of PEMSEA at the Special Partnership Council Meeting during the EAS Congress 2012

Non-Country Partner Activities Contributing to the SDS-SEA (continued)

Partner	Initiative/Activity 2011–2013
<p>Northwest Pacific Action Plan (NOWPAP)</p>	<ul style="list-style-type: none"> • NOWPAP Medium-term Strategy (approved in 2011) being implemented, focusing on ICM, regular assessments, pollution prevention, biodiversity conservation, climate change and other issues • The overview, <i>Marine Litter in the NOWPAP Region</i>, published (November 2011) • Database of MPAs and nature reserves updated (February 2012) • NOWPAP International Coastal Cleanup Campaign and Workshop on Marine Litter Management (Lianyungang, PR China; September 2011 and Vladivostok, Russia; June 2012) • Fourth Joint NOWPAP Oil Spill Response Exercise conducted during the 2012 Expo (Yeosu, RO Korea; May 2012) • A regional workshop to discuss problems associated with marine invasive species in the Northwest Pacific held in Qingdao, PR China (October 2012, funded by the Asia-Pacific Network for Global Change Research [APN]) • Several regional reports/overviews published in 2013, focusing on ICM, persistent toxic substances (PTS), negative impacts of marine litter and best practices in addressing land-based sources of marine litter in the NOWPAP region • Joint workshop with the North-East Asian Subregional Programme for Environmental Cooperation (NEASPEC) on MPAs and marine biodiversity conservation in the Northwest Pacific held (Toyama, Japan; March 2013) • NOWPAP-originated project to organize an International Coastal Cleanup Campaign and associated workshop on Marine Litter Management received funding from the APN • Increased contributions from China to the NOWPAP Trust Fund from 2013, ensuring financial sustainability of NOWPAP activities
<p>Ocean Policy Research Foundation (OPRF)</p>	<ul style="list-style-type: none"> • The proposal titled <i>For the Better Conservation and Management of Islands and Their Surrounding Ocean Areas</i> developed with the Australian National Centre for Ocean Resources and Security (September 2011), and, as an NGO in Special Consultative Status with the UN Economic and Social Council, submitted its <i>Proposal for Rio+20</i>, which included the above proposal, to the Rio+20 Secretariat (October 2011) • Fourth meeting of the Ocean Policy Institute Network in the East Asian Region (OPINEAR) convened to share and learn policy on coastal and ocean governance in the region (Singapore, November 2011) • <i>The Oceans Day</i> at Rio co-organized with the UNEP, IMO, World Bank, CBD Secretariat, Food and Agriculture Organization of the United Nations (FAO), United Nations Educational, Scientific and Cultural Organization-Intergovernmental Oceanographic Commission (UNESCO-IOC) and other national, regional and international organizations and countries, and the <i>Rio Ocean Declaration</i> developed during Rio+20 (Rio de Janeiro, Brazil; June 2012) • Two workshops co-organized at the EAS Congress 2012, namely, “New Directions and Initiatives for Coastal and Ocean Governance at the Global and National Levels” and “Consolidation and Replication of ICM Lessons and Good Practices” and held an exhibition to share successes and lessons learned on ocean governance. Contributed to the adoption of the SDS-SEA Implementation Plan from 2012 to 2016 • “Proposal on the revision of the Basic Plan on Ocean Policy” developed and submitted to the Prime Minister based on a series of discussions by the Study Group for Strategy of Basic Act on Ocean Policy, organized by the OPRF and composed of Diet members, academe and national government officials (Tokyo, Japan; August 2012) • Promotion of ICM at local levels in Japan through the following: <ul style="list-style-type: none"> (i) Established a committee composed of experts from various disciplines, conducted research on current situations, challenges and necessary policy and legislation to promote ICM at local levels; (ii) Supported local governments on ICM initiatives at five model sites from all over Japan; (iii) Developed model curriculums on ICM for undergraduate and post-graduate level at the university based on discussion in interdisciplinary committee composed of experts from various universities in Japan; and (iv) Presented a special ICM model course for post-graduate students and ICM practitioners in cooperation with Tokyo University of Marine Science and Technology to promote ICM education at universities (Tokyo, Japan; October 2012–February 2013)
<p>Oil Spill Response Limited (OSRL)</p>	<ul style="list-style-type: none"> • Provision of technical support to the Gulf of Thailand National Contacts Forum in Vietnam (2011 and 2012) • Participation in the IMO/PIECA Global Initiative (GI) workshops in PR China and Indonesia (2012) • Participation in industry-government workshops regarding Tier 3 response arrangements in Indonesia (2012) • Co-convened the workshop on <i>The Future of Maritime Transport in a Blue Economy</i> at the EAS Congress 2012 • Provision of technical assistance in an incident response in Bohai Bay, PR China • Contribution to conferences in PR China, Indonesia, Malaysia and Singapore highlighting the challenges of preparedness and response to upstream oil spills • Participation in regional, government and intergovernmental oil spill response exercises in Indonesia, RO Korea, Singapore and Thailand (2012 and 2013)

Non-Country Partner Activities Contributing to the SDS-SEA (continued)

Partner	Initiative/Activity 2011–2013
<p>UNDP-GEF Small Grants Programme (SGP)</p>	<ul style="list-style-type: none"> • Three coastal conservation projects developed and implemented in Cambodia, with 5.7 km² of seagrass habitat conserved, more than 22 km² of mangrove area put under community management and more than 253,000 mangrove trees planted • Four projects in international waters under implementation in the South China Sea/East Asian Seas • SGP China received the 2012 National Public Welfare Figure Prize of Water Protection for efforts to support local NGOs in the protection of international waters, by reducing land-based pollution and restoring and protecting coastal habitats • Workshop on SGP international waters organized in Beihai, Guangxi Province (October 2011); 28 NGO representatives from the South China Sea area, including Guangdong, Guangxi and Hainan, participated to learn the SGP International Waters strategy and how to develop and implement community projects • SGP grantee Belitung Community Group received Indonesia's National Coastal Award for its work in coastal habitat conservation, with one project to support ICM under development (2012) • Three projects addressing land-based pollution/persistent organic pollutants (POPs) issues in the Gulf of Thailand/South China Sea satisfactorily completed, while six projects addressing pollution, climate change, marine/terrestrial biological loss and integrated ecosystem (wetland/watershed) are ongoing
<p>UNDP/GEF Yellow Sea Large Marine Ecosystem Project (YSLME)</p>	<ul style="list-style-type: none"> • The Programme Framework Document (PFD) — which includes three full-sized projects: PEMSEA, YSLME and West Pacific East Asia Oceanic Fisheries Management (WPEA OFM) — was developed and approved by the GEF • The second phase of the YSLME Project Identification Form (PIF) approved by the GEF in January 2013 for the total budget of USD 7.6 million from the GEF and the total co-financing budget of USD 92.7 million from China and USD 129.3 million from RO Korea, with other co-financing commitments including USD 2 million from the UNDP and USD 1.8 million from the World Wide Fund for Nature (WWF) • Project Document for the second phase of the YSLME titled <i>Implementing the Strategic Action Programme for the Yellow Sea Large Marine Ecosystem: Restoring Ecosystem Goods and Services and Consolidation of a Long-term Regional Environmental Governance Framework</i> prepared by the Project Management Office (PMO) and reviewed and agreed by the countries through National Consultation meetings in China and RO Korea. The Project Document was approved by the countries through the Special Programme Steering Committee (PSC) Meeting in May 2013 and will be finalized by the UNDP and submitted to the GEF in July 2013 for the GEF CEO's endorsement soon • The YSLME MPA Regional Network between China and RO Korea is fully functioning with Liaoning, PR China, establishing the Network Secretariat in Shenyang (2012); Fourth Annual Meeting held (Shenyang, PR China; 2012) • Participated in the Yeosu Expo 2012 and demonstrated achievements at the International Pavilion • Participated in the EAS Congress 2012

Collaborative Arrangements

PEMSEA entered into several partnerships and collaborative arrangements that provided opportunities to leverage expertise, skills and additional resources to strengthen SDS-SEA implementation, while contributing to the objectives and priorities of collaborating partners.

German International Cooperation (GIZ) and ASEAN Ports Association

Conduct of trainings for the development and implementation of the PSHEMS in the following ports:

- Philippine Ports Authority (PPA) Port of Cagayan de Oro (20 October 2011–31 December 2012);
- Port of Phnom Penh (15 November–31 December 2012 and

- 10 January 2012–15 July 2012); and
- GIZ Vietnam Soc Trang Provincial People’s Committee Information Exchange, Capacity Development and Program/Project Development (16 April–31 December 2013).

International Maritime Organization (IMO)

Co-execution of the project on “Strengthening Oil Spill Preparedness and Response in a Subregional Sea Area: Environmental Sensitivity Mapping in the Gulf of Thailand,” with Yeosu Fund and KOICA, aims to build the capacity of three littoral states of the Gulf of Thailand (GOT) for planning and response to oil spill incidents. The project includes preparation of Environmental Sensitivity Index (ESI) mapping report; development of ESI maps; assessment of

existing environment, socioeconomic activities and natural resources in the GOT region; and creation of project proposal/action plan for development of a decision-support system (DSS) for oil spill response in the GOT (9 March 2012–31 December 2013).

International Union for Conservation of Nature (IUCN)

The IUCN’s Mangroves for the Future and PEMSEA, in collaboration with the Nature Conservancy, co-sponsored the Regional Workshop on Incentives to Catalyze Sustainable Management and Restoration of Mangroves in Asia and the Pacific. Sponsored by the Asia and Pacific Network for Sustainable Forest Management and Rehabilitation (APFNet), the workshop discussed,



Through the support of Korea International Cooperation Agency (KOICA) and Yeosu Fund, an environmental sensitivity mapping project for the Gulf of Thailand, is underway.



The Philippines hosted the inception workshop and first Project Steering Committee meeting of the UNEP project on reducing nutrient enrichment and oxygen depletion from land-based pollution.

among others, mangrove conservation and sustainable use measures at the national levels, mangrove for livelihoods and capacity development (Beihai, PR China; 29–31 October 2012).

Korea Maritime Institute (KMI)

Development of macro-scale land and sea use zoning report for Manila Bay with due consideration to climate change and other natural hazards, including base map and thematic maps showing climate change-related scenarios and socioeconomic impact maps (14 September–31 December 2011).

Korea Marine Environment Management Corporation (KOEM)

- Preparation of the report on “Climate Change Adaptation in the EAS Region” (2011);
- Conduct of the workshop and development of report on “Safeguarding Ocean-based Blue Economy through Innovative Solutions to Climate Change and Disaster Risk Reduction” during the EAS Congress 2012; and
- Development of research report on “Monitoring and Analysis of Waters in the East Asian Seas Relating to Climate Change” (2013).

United Nations Environment Programme-Global Programme of Action for the Protection of the Marine Environment from Land-based Activities (UNEP-GPA)

- Conduct of the UNEP/GPA Nutrient Project Inception/PSC Meeting (13

March–31 May 2012); and

- Development of nutrient reduction strategies through application of quantitative source-impact modeling and best practices in the Manila Bay watershed under the UNEP project “Global Foundations for Reducing Nutrient Enrichment and Oxygen Depletion from Land-based Pollution in Support of Global Nutrient Cycle” (29 August 2012–30 June 2015).

U.S. Coral Triangle Initiative/ Coral Triangle Support Partnership (US-CTI/CTSP), National Oceanic and Atmospheric Administration (NOAA), U.S. Navy and Timor-Leste’s Ministry of Agriculture and Fisheries

Organization and conduct of a training workshop on Ecosystem Approaches to Managing Coastal and Marine Resources in Timor-Leste (2011)

Yeosu Fund/Korean International Cooperation Agency (KOICA)

- Co-execution of the “Strengthening Oil Spill Preparedness and Response in a Subregional Sea Area: Environmental Sensitivity Mapping in the Gulf of Thailand” project with the IMO
- Execution of a Yeosu Fund/ KOICA-supported project on Port Safety, Health and Environmental Management (2012–2013)

Co-conveners of the EAS Congress 2012

- APEC Marine Sustainable Development Center
- ASEAN Centre for Biodiversity
- ASEAN-GIZ Sustainable Port Development in the ASEAN Region
- Coastal and Ocean Management Institute of Xiamen
- First Institute of Oceanography, State Oceanic Administration of China
- GIZ-ACB Biodiversity and Climate Change Project
- International Maritime Organization
- International Ocean Institute
- IPIECA
- Korea International Cooperation Agency
- Korea Maritime Institute
- Korea Marine Environment Management Cooperation
- Korea Ocean Research and Development Institute
- Kyungnam University and Green Gyeongnam 21 Council
- Ocean Policy Institute Network in East Asian Region
- Ocean Policy Research Foundation
- Oil Spill Response Limited
- Philippine Airlines Foundation
- Plymouth Marine Laboratory
- Swedish International Development Cooperation Agency
- UNDP GEF Small Grants Programme
- WorldFish Center
- The Yeosu Project and Expo 2012, Yeosu, RO Korea

Enabling Capacities

ICM and Specialized Trainings Conducted

PEMSEA continues to strengthen the capacities of local and national governments to support SDS-SEA and ICM implementation.

From July 2011 to June 2013, 31 training workshops were organized on ICM; IIMS; PSHEMS; SOC reporting; and CUZ and CSIP development. About 969 individuals from PEMSEA countries were trained.

Special skills training packages in CUZ scheme, management of habitat and fisheries zoning schemes, ICM scaling-up, land and sea plans integration, and IIMS Query System and Linkage to Geographic Information System (GIS) were also developed, field-tested and refined in the course of responding to the increasing needs of national and local governments implementing ICM programs.

In support of these activities, 74 Regional Task Force/National Task Force members from ICM Learning Centers, national and local governments, and universities were mobilized.



State of the Coasts Inception Workshop for Bulacan, Philippines



ICM Training of Trainers for PR China's National Task Force

Trainings and Workshop Activities Conducted

Activity	Date/Venue	Countries Involved	Number of Participants	Number of Speakers/Presenters			
				RTF	NTF	Others	Total
Training Workshops on SOC Reporting and Rapid Appraisal for Manatuto and Liquica, Timor-Leste	15–17 August 2011 (Timor-Leste)	Timor-Leste	26	4			4
ICM Training for Kuala Selangor	12–14 September 2011 (Sepang, Malaysia)	Malaysia	45	1	2		3
Training Workshop on PSHEMS Phase 4: PSHEMS Implementation and Monitoring for Iloilo Port	26–30 September 2011 (Iloilo, Philippines)	Philippines	40	1			1
Gulf of Thailand Subregional Workshop on Claims and Compensation for Oil Spills	3–4 October 2011 (Ho Chi Minh City, Vietnam)	Vietnam	42			2	2
Training Course on the Management of Habitat and Fisheries Zone for Preah Sihanouk	19–25 October 2011 (Sihanoukville, Cambodia)	Cambodia	48	4	4		8
IIMS Module 1 Training: Establishment of IIMS for Guimaras Province	8–10 November 2011 (Guimaras, Philippines)	Philippines	22	1			1
ICM Training of Trainers for PR China's NTF	21–25 November 2011 (Manila and Batangas, Philippines)	PR China, Philippines	11	4	2		6
Training Workshop on PSHEMS Phase 5: PSHEMS Internal Auditing for Iloilo Port	21–25 November 2011 (Iloilo, Philippines)	Philippines	44	1			1
PSHEM Code and PSHEMS Understanding and Initial Status Review for Cagayan de Oro Port	5–9 December 2011 (Cagayan de Oro, Philippines)	Philippines	40	1			1
Regional Training Course on Developing a Coastal Use Zoning Scheme	6–9 December 2011 (Fangchenggang, PR China)	Cambodia, PR China, Indonesia, Philippines, Thailand, Timor-Leste, Vietnam	19	4			4
National SOC Workshop for China	6–9 December 2011 (Fangchenggang, PR China)	PR China	6		2		2
Training Workshop on PSHEMS Phase 4: PSHEMS Implementation and Monitoring for Sihanoukville Port	6–10 February 2012 (Sihanoukville, Cambodia)	Cambodia	19	1			1
Training Workshop on PSHEMS Phase 1: Understanding PSHEMS and Initial State Review for Phnom Penh Port	13–17 February 2012 (Phnom Penh, Cambodia)	Cambodia	27	1			1
Training Workshop on PSHEMS Phase 2: Strategic Planning for Cagayan de Oro Port	5–9 March 2012 (Cagayan de Oro, Philippines)	Philippines	48	1			1
ICM Orientation Workshop for Liquica and Manatuto, Timor-Leste	7–9 March 2012 (Liquica and Manatuto, Timor-Leste)	Timor-Leste	33	1			1
IIMS Module 1 Training: Establishment of IIMS for Integrated Coastal Resources Management Project (ICRMP) Sites	13–15 April 2012 (Quezon City, Philippines)	Philippines	19	1			1

Training and Workshop Activities Conducted (continued)

Activity	Date/Venue	Countries Involved	Number of Participants	Number of Speakers/Presenters			
				RTF	NTF	Others	Total
Training Workshop on PSHEMS Phase 2: Strategic Planning for Phnom Penh Port	30 April–4 May 2012 (Phnom Penh, Cambodia)	Cambodia	27	1			1
Training Workshop on PSHEMS Phase 2: Strategic Planning for Cagayan de Oro Port	4–10 May 2012 (Cagayan de Oro, Philippines)	Philippines	48	1			1
Training Workshop on ICM Scaling up and Integration of Land and Sea Use Plan for Sukabumi	14–16 May 2012 (Sukabumi, Indonesia)	Indonesia	75	2	7		9
Training Workshop on PSHEMS Phase 6: Review and Improvement for Iloilo Port	15–16 May 2012 (Iloilo, Philippines)	Philippines	44	1			1
Training Workshop on PSHEMS Phase 3: System Development and Documentation for Cagayan de Oro Port	22–28 July 2012 (Cagayan de Oro, Philippines)	Philippines	49	1			1
IIMS Database Integration Workshops for Manila Bay	22–24 August and 25–27 September 2012 (Quezon City, Philippines)	Philippines	10	1			1
ICM Seminar for Local Chief Executives	3–4 November 2012 (Xiamen, China)	Cambodia, Indonesia, Malaysia, Philippines, RO Korea, Thailand, Vietnam	18			4	4
IIMS Module 1 Training: Establishment of IIMS for Priority River Basins in the Philippines	5–9 November 2012 (Camiguin, Philippines)	Philippines	28	2			2
IIMS Database Integration Workshops for Manila Bay	22–24 November 2012 (Quezon City, Philippines)	Philippines	21	1			1
SOC Inception Workshop for Pampanga	29 November 2012 (Pampanga, Philippines)	Philippines	24	2			2
ICM Orientation Workshop for Batangas Province	6–7 December 2012 (Batangas, Philippines)	Philippines	27	3	2	1	6
SOC Inception Workshop for Bulacan	3 December 2012 (Bulacan, Philippines)	Philippines	23	2			2
SOC Inception Workshop for Bataan	25 January 2013 (Bataan, Philippines)	Philippines	70	2			2
IIMS Module 2 Training: IIMS Query System and Linkage to GIS for Manila Bay	20–22 February 2013 (Quezon City, Philippines)	Philippines	18	1			1
IIMS Module 2 Training: IIMS Query System and Linkage to GIS for Guimaras Province	11–16 March 2013 (Guimaras, Philippines)	Philippines	23	2			2
IIMS Module 2 Training: IIMS Query System and Linkage to GIS for ICRMP Sites	3–5 April 2013 (Quezon City, Philippines)	Philippines	20	1			1
TOTAL			1,014	49	19	7	75



Dr. Fang Qinhuang of Xiamen University ICM Learning Center presenting a concept paper on the World Bank Ningbo Water and Environment Project case study.

PEMSEA interns from PR China and Indonesia being oriented on good practices in solid waste management in Bulacan, Philippines.

Internship and Fellowship Programs

From 2011 to 2013, PEMSEA supported eight internships and one fellowship program from PR China, Germany, Indonesia, Lao PDR and Timor-Leste.

Engaging ICM Learning Centers and Regional Centers of Excellence

- Experts from ICM Learning Centers were mobilized to provide technical support in the implementation of SDS-SEA, including ICM, IIMS and CUZ training.
- ICM Learning Centers participated in the development of the ICM post-graduate curriculum.
- Collaborations with the Centre for Marine Environmental Research and Innovative Technology (MERIT), a PEMSEA Regional Center of Excellence (RCoE) for Marine Pollution, including its participation in the EAS Congress 2012; participation of scientists from PEMSEA sites and ICM Learning Centers in the International

PEMSEA FELLOWS				
Year	Country	Number	Institution	Field of Study
2013	PR China	1	Xiamen University	Knowledge management: Case study development and review of coastal use zoning training modules
PEMSEA INTERNS				
Year	Country	Number	Organization	Field of Study
2011	PR China	1	State Oceanic Administration	ICM and ICM Tools (SOC, ICM Code, environmental risk assessment [ERA]) and Project Development and Management
2012	PR China	6	State Oceanic Administration	ICM Tools (SOC, IIMS)
	Indonesia		Environmental Board of Sukabumi Regency	ICM Tools (SOC, IIMS) and Project Development and Management
	Lao PDR		Provincial Water Resource and Environment Office of Sekong	Integrated River Basin Management and Project Development and Management
	Timor-Leste		National Directorate for Fisheries and Aquaculture, Ministry of Agriculture and Fisheries	Livelihood Development
	Timor-Leste		Ministry of Agriculture and Fisheries-Liquica District	Livelihood Development
2013	Germany	1	Ministry of Agriculture and Fisheries-Manatuto District	Livelihood Development
			Global Transdisciplinary Processes for Sustainable Phosphorus Management (TRAPS)	Nutrient Management and Governance

Conference on Marine Pollution and Ecotoxicology, organized by MERIT; and testing of the artificial mussel technology in Manila Bay for trace metal monitoring, in collaboration with the UP-MSI.

- PEMSEA designated the UP-MSI as a RCoE on MPAs and coral reef research.



Bogor Agricultural University signing a MOA with PEMSEA to extend its role as an ICM Learning Center.

ICM Post-graduate Courses

- To date, collaboration to strengthen existing ICM-related graduate programs in Xiamen University and Bogor Agricultural University are ongoing through inclusion of the ICM core courses.
- These ICM core courses were also used as a basis in developing the ICM undergraduate and post-graduate degree programs in selected universities in Japan. The effort was spearheaded by the OPRF.

Certifying ICM Professionals

The needs and benefits to further professionalize ICM practice through the certification of its practitioners have been recognized in recent years. PEMSEA-led discussions envisioned a conferment of certification to individuals who can demonstrate competencies on ecosystem-based sustainability and leadership lenses and who are willing to undergo professional growth toward integrative and collaborative coastal and ocean governance.

Cross-site Sharing of Knowledge and Experiences

PEMSEA organized and conducted cross-site visits to facilitate learning and sharing of experiences between and among sites and countries.

- ICM seminar and study tour for local chief executives conducted in coordination with the PNLG Secretariat (Xiamen, PR China; November 2012).
- Local government network representatives from the U.S. Coral Triangle Initiative visited Bataan, Philippines (December 2012).
- 100 local government representatives from Chonburi, Thailand, learned from the experiences of the Bali ICM program in Indonesia, particularly in coastal erosion mitigation and coral reef rehabilitation (July 2013).

Advocacy, Communications and Knowledge Sharing

East Asian Seas Congress 2012

The triennial EAS Congress was held on 9–13 July 2012 in Changwon City, RO

Korea, and was participated in by 1,200 participants representing 25 countries and 23 regional and international organizations.

Carrying the theme “Building a Blue Economy: Strategy, Opportunities and Partnerships in the Seas of East Asia,” the EAS Congress 2012 tackled the different aspects of sustainable development and the changing international landscapes on coastal and ocean governance and global environmental issues and their linkage to promoting an ocean-based blue economy.

The EAS Congress featured the following:

International Conference

The International Conference consisted of 5 subthemes and 14 workshops. The event, in general, has put forward the following major conclusions and recommendations:

- Political will is vital to building a blue economy;
- The SDS-SEA remains an appropriate platform and framework for achieving

the Rio+20 targets;

- ICM has been well-demonstrated as an effective management system enhancing coastal and ocean governance;
- Mainstream SDS-SEA objectives, targets and actions into national and subnational development and investment plans in support of national SDS-SEA Implementation Plans;
- Scale up ICM implementation;
- Build up technical and management capacity;
- Promote a sustainable ocean economy through scientifically sound management of coastal and marine ecosystems;
- Strengthen regional cooperation to address transboundary concerns through the framework of PEMSEA;
- Develop national and regional knowledge management mechanisms;
- Certify ICM leaders; and
- Educate and engage the youth.

Fourth Ministerial Forum

The Fourth Ministerial Forum adopted the Changwon Declaration toward an Ocean-based Blue Economy: Moving Ahead with the SDS-SEA in support of the Rio+20 Declaration, *The Future We Want*. The regional agreement among 10 PEMSEA Countries was heralded as a concrete and immediate response to meeting the targets and commitments set at Rio+20 by adopting a Five-Year SDS-SEA Implementation Plan (2012–2016) and working toward an ocean-based blue economy.

Third East Asian Seas Youth Forum

The Third East Asian Seas Youth Forum, with the theme “Young Champions for the Ocean,” gathered 91 young leaders from 12 countries to participate in various workshops designed to develop their potentials as future practitioners in coastal and ocean management. Aside from various team-building and group discussion exercises, the youth delegates also participated at the plenary sessions and workshops of the EAS Congress 2012. Through this, the delegates developed a discussion paper titled *The Seas and Coasts of East Asia through the Eyes of Its Youth*, outlining the youth’s perspectives on

current issues, trends and solutions on sustainable development issues in the seas of East Asia. The delegates also collectively developed the *Changwon Youth Declaration for the Protection of the Seas of East Asia*, highlighting their recommendations and commitment to continue their efforts in protecting the region’s oceans and coasts.

International Exhibition

An international exhibition, with the theme “Blue Innovation, Technologies and Practices,” was participated in by more than 90 exhibitors including PEMSEA Partners, local governments implementing ICM programs, the private sector and scientific and technical institutions.



The Fourth Ministerial Forum on the SDS-SEA signed and adopted the Changwon Declaration toward an Ocean-based Blue Economy.

PEMSEA Network of Local Governments for Sustainable Coastal Development (PNLG)

Currently, the PNLG has 33 local governments and 2 associate members. The network conducts annual forums to facilitate sharing of experiences and information among local governments implementing ICM programs across the region. Each PNLG meeting consists of a plenary session or forum to discuss PNLG policy and administrative issues, and a technical workshop with various themes designed to promote sharing and learning experiences among the membership. (See table on the right).

Through the Dongying Declaration in 2011, the PNLG signified its strong support to the implementation of an ocean-based blue economy through the SDS-SEA with the strengthened implementation of ICM programs at the local level and the PNLG Strategic Action Plan for 2011–2015. In particular, the PNLG committed to:

- Mainstream ICM strategies, objectives and targets into the local government development plans for sustainable marine and coastal development and for building a blue economy;
- Implement the PEMSEA ICM Code and Recognition System across 50 percent of the PNLG local government membership by 2015 as a certification of local government achievement and success in sustainable coastal development through ICM implementation;
- Apply the SOC Reporting System across 100 percent of the PNLG local government membership by

Date	Host Local Government	Theme and Meeting Outcome
July 2011	Dongying City, PR China	<p>Theme: Achieving Sustainable Blue Economy through Integrated Coastal Management</p> <p>Outcome: Dongying Declaration on Building a Blue Economy through Integrated Coastal Management</p>
July 2012	Changwon, RO Korea	<p>Technical session: Monitoring, Reporting and Forecasting: Applications, Benefits and On-the-Ground Applications</p> <p>Outcome: Adoption of the Reporting Mechanism to Monitor and Document Progress, Achievements and Challenges in ICM Implementation and the Dongying Declaration</p>

- 2015 to identify and validate social, economic and environmental status and changes in coastal and marine areas, and measure progress and impacts of ICM implementation among local governments of the region;
- Co-organize an annual regional forum for local chief executives on ICM scaling-up, in collaboration with the PRF and the World Ocean Week in Xiamen (XWOW), to promote and encourage local chief executives from around the region to develop, implement and extend ICM as a tool for sustainable

- development around the region;
- Co-organize site-specific capacity development programs, in collaboration with responsible national agencies, local government networks and the PRF, as appropriate, to foster improved awareness, understanding and management and technical skills in ICM implementation; and
 - Engage local governments within each PNLG member to develop and implement ICM and to join the PNLG, and achieve a 100-percent increase in PNLG membership by 2015.



RO Korea hosted the PNLG Forum 2012.

World Ocean Week in Xiamen

Held annually, PEMSEA co-organizes the World Ocean Week in Xiamen (XWOW) with Xiamen Municipality, which gathers local governments, private institutions, experts in marine science and technology and other organizations to promote the sustainable use of marine resources in the region. Fora conducted include:

- Integration of Land and Sea Development: Planning for Sustainable Marine Economy (3–10 November 2011)
- Blue Economy, Green Growth: Science-led Development of Marine Economy (2–8 November 2012)

PEMSEA Participation in Various Events, Workshops and Conferences

PEMSEA participated in several major international and regional conferences and meetings to promote the objectives of SDS-SEA implementation and establish networks with various organizations.

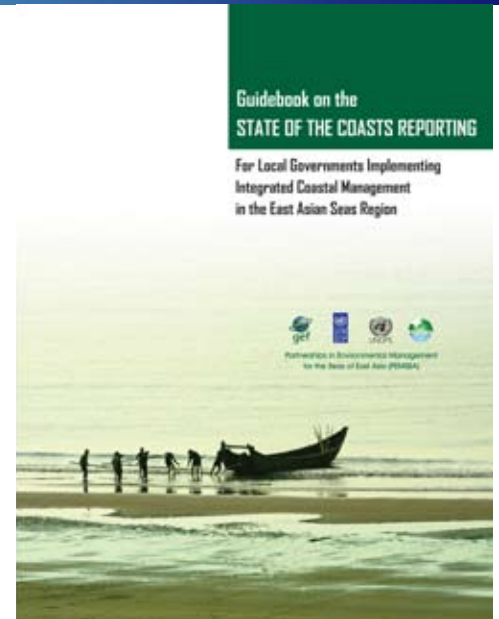
- Second Forum on Impacts of Tidal Flooding on Coastal Communities in Bulacan, Philippines (26 August 2011);
- South China Sea Reference Group Meeting in Bangkok, Thailand (7–8 September 2011);
- Third Water Environment Partnership in Asia International Workshop in Manila, Philippines (21 September 2011);
- Fifth IUCN Asia Regional Conservation Forum in Seoul, RO Korea (26–29 September 2011);
- Cavite Mayors' League Meeting in

- Cavite, Philippines (11 October 2011)
- Sixth GEF Biennial International Waters Conference in Dubrovnik, Croatia (15–21 October 2011);
- Philippines MPAs and Marine Ecosystems Database: Review and Workshop in Quezon City, Philippines (17–18 October 2011);
- United Nations Institute for Training and Research (UNITAR) Series on Sea and Human Security 2011 Session in Tokyo, Japan (18–21 October 2011);
- ICM: An Archipelagic Approach for Sustainable Development Workshop in Quezon City, Philippines (21 November 2011);
- National Coastal Climate Change Workshop in Manila, Philippines (23–24 November 2011);
- Resilient Seas National Coastal Climate Change Workshop in Quezon City, Philippines (23–24 November 2011);
- Exhibition at the Global Conference on Land-Ocean Connections in Manila, Philippines (23–27 January 2012);
- Yeosu World Expo in Yeosu, RO Korea (11–15 May 2012);
- Sixth World Ocean Forum 2012 in Busan, RO Korea (4–6 June 2012);
- Inception Workshop on the Global Partnership Nutrient Management in Barkul, India (25–27 June 2012);
- YSLME Project Technical and PSC Meeting in Beijing, PR China (18–20 September 2012);
- GEF International Waters Science Conference in Bangkok, Thailand (23–29 September 2012);
- Asia and Pacific First Regional Targeted Workshop on International Waters in Bangkok, Thailand (27–28 September

- 2012);
- Regional Workshop on Catalyzing Incentives to Mangrove Conservation and Restoration by Asia and the Pacific Network for Sustainable Forest Management and Rehabilitation in Beihai, PR China (28 October–1 November 2012)
- Second APEC Blue Economy Forum in Tianjin, PR China (6–7 December 2012)
- First Batangas Recognition Awards for Verde Outstanding Marine Protected Area in Batangas, Philippines (2 January 2013);
- Eighth Annual Area of Excellence Symposium and Seventh International Conference on Marine Pollution and Ecotoxicology in Hong Kong, PR China (10–11 January 2013);
- Regional Workshop on Potential Interventions for Protection of Transboundary Indochina Mangrove Ecosystems in Phuket, Thailand (14–17 February 2013);
- IMO/IPIECA Global Initiative South East Asia (GI SEA) Workshop in Jakarta, Indonesia (20–21 March 2013);
- YSLME Special Project Steering Committee Meeting in Jeju Island, RO Korea (7–10 May 2013);
- Second Project Steering Committee Meeting: Global Foundations for Reducing Nutrient Enrichment and Oxygen Depletion from Land-based Pollution in Support of Global Nutrient cycle in Washington DC, USA (14–22 May 2013); and
- Seventh International Conference on Marine Pollution and Ecotoxicology in Hong Kong, PR China (16–21 June 2013).



Launching of the PSHEM Code at the Yeosu World Expo, RO Korea.



PEMSEA developed a guidebook for SOC reports.

As a side event at the XWOW 2012, PEMSEA and the PNLG co-organized an ICM Leaders' Seminar and Study Tour, hosted by the Xiamen Municipal Government. The seminar provided a forum for the sharing of knowledge, experiences, good practices and challenges in ICM implementation among local governments who are interested in developing and implementing ICM programs.

Local chief executives and staff from new ICM sites joined the seminar for an opportunity to gain insights from working models of mature ICM sites on ICM development and implementation and to learn strategies and approaches in addressing integrated river basin and coastal area management.

PEMSEA-Certified Informative Documents

PSHEM Code and Recognition System

- The Port Safety Health Environment Management (PSHEM) Code provides

port authorities and private enterprises with a voluntary standard to assess the quality, safety, health and environmental impacts of their operations and activities. Ongoing capacity development on the PSHEM System that will support the implementation of the Code are being conducted in selected ports (Phnom Penh and Sihanoukville, Cambodia; Tanjung Perak and Tanjung Priok, Indonesia; Cagayan de Oro and Iloilo, Philippines; Bangkok and Laem Chabang, Thailand; Ho Chi Minh, Vietnam) of the region in cooperation with the GIZ and assisted by the ASEAN Ports Association.

- The PSHEM Code and Recognition System was launched on 13 July 2012 at the Yeosu International Exposition in RO Korea and the roll-out of the PSHEM Code and Recognition System project anticipates a growth in the complexity of managing the PSHEMS project. As such, a governance mechanism will be established to properly manage the

activities related to the revision and improvement of the code, processes related to recognition, as well as the administration of activities.

Guidebook on the State of the Coasts Reporting

The Guidebook on the State of the Coasts (SOC) Reporting was developed by PEMSEA to facilitate and assist local governments in the implementation of the SOC Reporting System.

The SOC Guidebook was approved by the EAS Partnership Council as a PEMSEA-certified informative document in 2011 and published for wider dissemination to partners, stakeholders and relevant institutions.

The guidebook is being applied in local governments across the EAS region. It has been translated into Chinese and Bahasa Indonesia for use at the subnational levels.

Publications and Media

Publications

Several technical publications were developed documenting PEMSEA's work on achieving the SDS-SEA targets, its successful initiatives and other on-the-ground activities. These publications include:

- Regional Review: Implementation of the Sustainable Development Strategy for the Seas of East Asia (SDS-SEA) 2003–2011;
- Partnerships in Action: PEMSEA Accomplishment Report 2010–2011;
- China's Framework Plan for the Implementation of the Sustainable Development Strategy for the Seas of East Asia (2012–2016);
- *Tropical Coasts on Good Practices in Governance, Food Security, and Habitat Management*;
- *Tropical Coasts on Scaling up Integrated Coastal Management: Case Studies in Sustainable Development*;
- Guidebook on the State of the Coasts Reporting for Local Governments Implementing Integrated Coastal Management in the East Asian Seas Region;
- State of the Coasts of Guimaras Province;
- Port Safety, Health and Environmental Management Code (PSHEM Code);
- Port Safety, Health and Environmental Management System (PSHEMS) Development and Implementation Guideline;
- Integrating Climate Change and

Disaster Risk Scenarios into Coastal Land and Sea Use Planning in Manila Bay;

- Jiulong River-Xiamen Bay Ecosystem Management Strategic Action Plan;
- Case Study: Integrated Marine Disaster Risk Management in Xiamen; and
- Other IEC materials (PEMSEA Briefing Note on PEMSEA's Transformation, 2012 EAS Congress Program, Third EAS Youth Forum Toolkit, EAS Congress 2012 Daily Bulletins).

E-updates on PEMSEA activities were published and disseminated regularly.

New Media and Latest Features

Websites. The PEMSEA website is updated and enhanced to include:

- Microsites
- EAS Congress 2012 including an online payment system (www.eascongress.pemsea.org)
- Strategic Partnerships (www.pemsea.org/strategic-partnerships)
- PEMSEA Timeline (www.pemsea.org/20years) was launched in line with the celebration of PEMSEA's 20th anniversary. It offers a brief look into PEMSEA's achievements over the past 20 years.

Social Media. Using Facebook, Scribd and Vimeo, PEMSEA joined the ranks of other organizations who have taken advantage of new venues for information dissemination made possible by these social media platforms.

Online Library Catalog. The library catalog was updated to include vertical files and other records encoded in other systems. This merger added more than 15,000 records files to the available searchable records in the catalog system and accessible online through library.pemsea.org for the benefit of outside users.



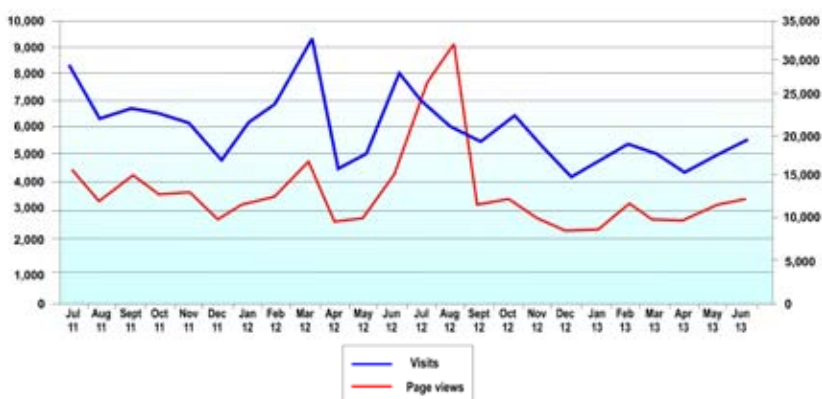
Website Traffic Report (1 July 2011–30 Jun 2013)

Site Traffic Summary

	Q3 2011	Q4 2011	Q1 2012	Q2 2012	Q3 2012	Q4 2012	Q1 2013	Q2 2013	Average
Total Visits	21,198	17,423	22,107	17,531	18,639	15,653	14,736	14,635	141,922
Visits per Day	230	191	243	193	203	170	164	161	194
Total Pages Viewed	41,953	35,976	40,587	33,500	69,668	30,471	29,456	32,271	313,882
Pages Viewed per Visit	2	2	2	2	4	2	2	2	2
Pages Viewed per Day	456	395	446	368	757	331	327	355	429
Average Visit Duration	0:01:52	0:01:39	0:01:37	0:01:35	0:02:48	0:01:36	0:01:40	0:02:13	0:01:53

Most Number of Visits	
7 March 2012	644
12 March 2012	595
1 July 2011	549
13 March 2012	538
5 March 2012	428
19 June 2012	428
2 July 2012	428
6 July 2011	426
26 June 2012	424
20 June 2012	420

Monthly Visits



Content

Most Read Publications in Scribd

	Publication Title	Reads (as of 27 June 2013)
1	<i>The Bataan Sustainable Development Strategy</i>	4,924
2	<i>Coastal Land and Sea Use Zoning Plan of the Province of Bataan</i>	2,945
3	<i>State of the Coasts of Batangas Province</i>	2,660
4	<i>Port Klang Initial Risk Assessment</i>	2,197
5	<i>Proceedings of the Workshop on Achieving the MDGs through Enhancing Local Capacities for Integrated Coastal Resources Management: Evidences and Lessons Learned</i>	1,998
6	<i>Manila Bay Coastal Strategy</i>	1,820
7	<i>Proceedings of the 2010 PNLG Forum: Strengthening Oil Spill Preparedness and Response at the Local Level</i>	1,745
8	<i>Operational Plan for the Manila Bay Coastal Strategy</i>	1,724
9	<i>Tropical Coasts: Good Practices in Water Management and Climate Change</i>	1,685
10	<i>Development and Implementation of Public-Private Partnerships in Environmental Investments: Terminal Evaluation Report 2011</i>	1,661

Visitors

Top 5 Originating Countries* and PEMSEA Partner Countries		
1	Philippines	45.42%
2	India	9.21%
3	United States	9.17%
4	RO Korea	2.52%
5	Japan	2.45%
6	United Kingdom	1.97%
7	Singapore	1.95%
9	Indonesia	1.79%
10	PR China	1.74%
11	Malaysia	1.67%
12	Thailand	1.49%
13	Vietnam	1.49%
14	Australia	1.44%
15	Canada	1.07%
16	Cambodia	1.06%
41	Lao PDR	0.18%
76	Timor-Leste	0.05%
-	DPR Korea	-

* Figures for originating countries and regions are slightly skewed for the United States and Northern America due to the US-centric addressing systems being used by Internet Service Providers globally.

Dr. Chua Thia-Eng Library and Online Catalog Launching

PEMSEA renamed its library as the Dr. Chua Thia-Eng Library and launched its SciNet Integrated Library Management System (SILMS) online library catalog during the kick-off event of the 20th Anniversary Celebration on April 2013. It houses more than 21,000 print and electronic resource materials on ICM, coastal and ocean governance and protecting and sustaining ecosystem services in support of an ocean-based blue economy.



UNDP Philippines Country Director Toshihiro Tanaka, DENR Undersecretary Demetrio Ignacio Jr. and EAS Partnership Council Chair Dr. Chua Thia-Eng leading the inauguration of the Dr. Chua Thia-Eng Library on April 2013.

Preparing for PEMSEA's Next Phase

As PEMSEA moves into a phase of scaling up the implementation of the SDS-SEA, collaborative planning, development and implementation of SDS-SEA-related projects and programs are priorities of the PRF. Country and Non-Country Partners, local governments, sponsoring organizations, other regional organizations, donors, the corporate sector and business community, universities and other nongovernment entities are the principal actors that need to be engaged in the process.

Over the past couple of years, some initial steps have been taken toward this objective. The World Bank (2011) and UNDP (2012), in collaboration with PEMSEA, developed their respective medium-term GEF-supported PFDs for the EAS region. Both organizations

incorporated the SDS-SEA framework and the PEMSEA partnership mechanism into their respective PFDs.

The World Bank program titled *Scaling up of Partnership Investment for Sustainable Development of Large Marine and Coastal Ecosystems of the East Asia and Pacific Region*, includes blue and brown investment projects in PR China, Indonesia, Philippines and Vietnam. PEMSEA has been requested to lead the knowledge management component of this program.

The UNDP program titled *Reducing Pollution and Rebuilding Degraded Marine Resources in the East Asian Seas through Implementation of Intergovernmental Agreements and Catalyzed Investments* includes the eight GEF-eligible member countries of PEMSEA. Three projects have been identified under the program,

supporting the implementation of the SDS-SEA and the strategic action plan of the UNDP/GEF Yellow Sea Large Marine Ecosystem (YSLME) project, as well as an enabling project under the Western and Central Pacific Fisheries Convention. The UNDP has requested PEMSEA to serve as the program coordinating and reporting mechanism for the three projects.

In support of the Five-Year Regional SDS-SEA Implementation Plan, three new regional projects have been developed, in collaboration and consultation with Country Partners and stakeholders, including:

- GEF/UNDP Project titled *Scaling up the Implementation of the SDS-SEA (2014–2019)*, under the UNDP PFD with the PIF approved by the GEF Council in June 2013;
- *GEF/WB Medium-Sized Project on Applying Knowledge Management to*

Scale Up Partnership Investments for Sustainable Development of Large Marine Ecosystems of East Asia and their Coasts (2013–2016) approved by the GEF CEO in April 2013; and

- ASEAN Centre for Biodiversity/ PEMSEA Project titled *Scaling up the Coverage and Effectiveness of Marine Conservation Areas and Threatened Species Protection in South East and East Asia through Integrated Coastal Management*, to be implemented in ASEAN Member States.



Intergovernmental engagement, as displayed during the Fifth EAS Partnership Council Meeting, is key to the successful development and implementation of SDS-SEA-related projects in the next phase of PEMSEA.

Challenges

A number of factors have challenged PEMSEA in the delivery of the decisions of the EAS Partnership Council and the implementation of the SDS-SEA regional strategy and implementation plan, including:

- National coordinating mechanisms among the many agencies, projects, levels of government and sectors with mandates and a stake in sustainability of the resources of concern are limited in most countries. This has resulted in duplication of efforts, limited knowledge and experience sharing across projects and programs, and inefficient use of the limited available resources;
- Changes in personnel and contact points within PEMSEA’s National Focal

Agencies, resulting in additional time and resources on the part of PEMSEA to build relationships and fully engage the new personnel in project coordination and implementing aspects;

- Limited knowledge and experience in ICM among national and local governments, universities and other stakeholder groups, thereby challenging the ability to develop and implement national programs geared to meet ICM priorities and scaling up targets in the respective countries;
- Lack of financial commitment to ICM development and implementation, including supporting national policies and targets, and use of ICM to address issues including IRBCAM, biodiversity conservation and management, sustainable fisheries, and climate change

adaptation and disaster risk reduction; and

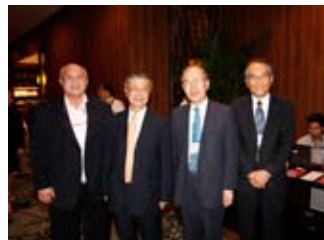
- Increasing demands on the limited resources of the PRF, including requests for training and technical support in ICM and special skills and the development of new ICM sites, resulting in an overload of assignments and deliverables by PRF staff.

Responses to a number of these challenges have been built in as targeted outputs in the next GEF-supported projects on scaling up SDS-SEA and knowledge management, as well as the ACB/PEMSEA project on biodiversity conservation and threatened species. However, these projects can only provide a catalyst for change. The full engagement and commitment of partners is essential to the success of PEMSEA and achieving the SDS-SEA vision.

pemsea
1993 - 2013
20th Anniversary
Partnerships for Our Shared Seas

PEMSEA commemorated 20 years of spearheading the sustainable development of the East Asian Seas through activities that celebrate the anniversary theme *People, Partners, Progress: Partnerships for Our Shared Seas*. In April 2013, PEMSEA dedicated the PEMSEA Resource Facility library to Dr. Chua Thia-Eng and launched the PEMSEA History Wall at its headquarters in Quezon City, Philippines. In July 2013, PEMSEA gathered its partners, colleagues and friends for a celebratory dinner event at the Diamond Hotel in Manila.

PEMSEA is looking forward to building more progressive partnerships and fostering a cooperative spirit among the nations and stakeholders of the East Asian Seas beyond its 20 years.





Top 10 Achievements

1 SDS-SEA: Landmark Strategy Responding to Rio Conventions and Other International Environmental Agreements



The adoption of the *Sustainable Development Strategy for the Seas of East Asia* (SDS-SEA) in 2003 was acclaimed as the first concrete response for coastal nations in a shared sea area to the World Summit on Sustainable Development (WSSD) or Earth Summit 2002. Embodying a shared vision, strategies and action programs, the SDS-SEA provided a clear framework flexible enough to address emerging challenges related to the sustainable development of the East Asian Seas. The succeeding Ministerial Forums in support of the SDS-SEA, as well as the adoption of the SDS-SEA Implementation Plan in 2012, served as the region’s response to Rio+20 and other international commitments.

Over the years, the SDS-SEA implementation has shown significant progress. At the governance level, more than 80 legislations were enacted in support of the implementation of the SDS-SEA. Indonesia, Japan and RO Korea enacted laws supporting the implementation of the integrated coastal management (ICM) and coastal and ocean governance. National interagency coordinating mechanisms for coastal and ocean management programs have been set up and are currently operational in Cambodia, PR China, DPR Korea, Indonesia, Japan, RO Korea, Singapore, Thailand and Timor-Leste.

2 First International Organization on Regional Coastal and Ocean Governance in East Asia



In a span of 20 years, PEMSEA transformed from a demonstration project on marine pollution prevention and management to an international organization focusing on coastal and ocean governance in the East Asian Seas (EAS) region.

Recognizing PEMSEA’s value and strong track record, the EAS countries endorsed PEMSEA as the implementing arm of the SDS-SEA, and in 2009, eight countries officially recognized PEMSEA’s international legal personality. The *Headquarters Agreement* with the Philippines was signed by the Department of Foreign Affairs and endorsed by nine relevant agencies in the Philippines, and now the Presidential and the Senate ratifications are well underway.



Guided by the principles of partnership, integration and sustainability, PEMSEA, with its 11 Country and 20 Non-Country Partners and supporting organizations and collaborators, is moving forward in further scaling up the implementation of the SDS-SEA through ICM and in establishing PEMSEA as a country-owned self-sustaining organization.



3 Four East Asian Seas Congresses and Ministerial Forums Fostered Partnerships and Regional Commitments

PEMSEA's pioneering legacy, the triennial East Asian Seas Congress and Ministerial Forum, continues to be at the forefront in gathering high-level government officials and other stakeholders to discuss and identify the best options to address East Asia's coastal and ocean concerns, within the SDS-SEA framework, and to monitor the progress in achieving the regional targets.

Starting in 2003, four EAS Congresses had been organized: Putrajaya, Malaysia (2003); Haikou City, PR China (2006); Manila, Philippines (2009); and Changwon City, RO Korea (2012).

One of the defining features of the EAS Congress is the Youth Forum that aims to strengthen the role of young people in protecting the ocean and coasts of East Asia. To date, the EAS Youth Forum has mobilized 235 youth participants from the region.

4 Steady Increase in Voluntary Support to PEMSEA Operations and Activities

In support of PEMSEA's sustainability and SDS-SEA implementation, PEMSEA Partners, donors/sponsors and collaborators have provided support through the following: (a) cost-sharing agreements with PR China, Japan, RO Korea; (b) hosting of the PEMSEA Resource Facility by the Philippines; (c) contribution by Timor-Leste for capacity development; (d) co-hosting of countries and local governments of PEMSEA events, meetings and trainings; and (e) Non-Country Partners providing national and local governments with access to information, skills training and technical support.

5 146 Million People Benefiting from ICM Implementation in 27,317 km of the Region's Coastline

When PEMSEA's first phase was launched in 1993, ICM pilot sites were set up in Xiamen, PR China, and Batangas Bay, Philippines, covering around 286 km of coastline. Twenty years later, PEMSEA's ICM initiatives now cover about 12 percent of the 234,000-km coastline of the region, benefiting more than 146 million people.

6 USD 9–11 Billion Catalyzed in Public and Private Sector Finance for Environmental Investments through ICM Implementation since 1993

The UNDP/GEF *Catalysing Ocean Finance* report in 2012 noted that PEMSEA's ICM implementation and scaling-up initiatives have catalyzed USD 9–11 billion in public and private sector finance for environmental investments, representing a 277 to 1 "return" on the cumulative GEF investment of USD 36.1 million since 1993. This demonstrates the significant value and impact of ICM as a tool that can put in place the necessary enabling environment and remove barriers to catalyze ocean finance from the "bottom-up."



7 33 Local Governments United in Demonstrating Concrete Changes on the Ground

Thirty-one local governments and advocates of ICM joined together under the PEMSEA Network of Local Governments for Sustainable Coastal Development (PNLG) to develop, demonstrate, maintain and continually improve application of ICM across the region. Through the PNLG, members are able to exchange information and experiences on issues and good practices related to sustainable growth and development in coastal communities. Committed to the SDS-SEA implementation and building of a blue economy, the PNLG implements its Five-Year Strategic Action Plan that will contribute in ICM scaling-up, implementation of ICM Code and State of the Coasts (SOC) reporting.

8 Continuing Pursuit of Excellence through Innovative Tools, Codes and Guidelines

To ensure delivery of quality services, PEMSEA embarked on the development of various tools, codes, guidelines and good practices to support sustainable ocean and coastal development efforts. This includes the development and initiation of the SOC Reporting System, Integrated Information Management System (IIMS), the Port Safety, Health and Environment Management (PSHEM) Code and Implementation Guidelines, the ICM Code, and policy briefs and case studies on lessons learned and good practices.

9 4,000 Individuals Trained in ICM and Specialized Courses and 8 ICM Learning Centers Established

Since 1994, PEMSEA was able to mobilize close to 4,000 individuals to participate in ICM training program, specialized skills trainings and study tours. PEMSEA has also hosted around 51 interns and fellows to assist in the SDS-SEA implementation. To replicate and scale up ICM implementation across the region, Regional and National Task Force of experts and practitioners were engaged in various activities. Eight ICM Learning Centers in six countries and two Regional Centers of Excellence were also established.

10 PEMSEA Opened Up to a Wider Audience

Over 300 publications have been produced in the form of technical reports, case studies, policy briefs, conference proceedings, training manuals, environmental assessments and coastal strategies, with more than 80,000 publication reads on *Scribd.com*.

In 2011, PEMSEA launched its redesigned website highlighting its achievements and updates from activities across the region. PEMSEA also opened three new social media accounts providing additional venues for disseminating information about the organization and its partners.



Partnerships in Environmental Management
for the Seas of East Asia

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