



PEMSEA/WP/2008/22

PROCEEDINGS OF THE
NATIONAL WORKSHOP FOR
LOCAL GOVERNMENTS
IMPLEMENTING ICM IN CHINA

**Xiamen, People's Republic of China
10–11 November 2008**



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A. INTRODUCTION

- i. The National Workshop for Local Governments Implementing ICM in China aimed to provide a venue for the ICM parallel sites in China: (a) to share their progress, plans and needs for ICM program development and implementation and environmental investments; and (b) to learn about the experiences, tools and approaches for capacity development, institutional arrangements, monitoring and environmental investments of other partners (i.e., Municipal Government of Xiamen, Xiamen University, PEMSEA and SOA).
- ii. The workshop was held at the Xiamen Golden Sands Gulf Hotel, Xiamen, PR China, from 10-11 November 2008. The workshop was co-organized by the State Oceanic Administration (SOA) of China, the Municipal Government of Xiamen and PEMSEA.
- iii. The workshop program is attached as Annex 1.
- iv. A full list of participants is attached as Annex 2.

B. OPENING CEREMONY

- i. On behalf of SOA, Dr. Zhang Zhanhai, Director General of the Department of International Cooperation, welcomed PEMSEA and the coastal cities to the workshop. He expressed his pleasure for the initiation of the joint SOA-PEMSEA project on the "Implementation of the SDS-SEA in P.R. China" with the goal of scaling up ICM across the country. Dr. Zhang stated that the Chinese government has put much attention on ICM, the use of science, coordinating mechanisms and integrated law enforcement in the Xiamen demonstration site, and he hoped that these good practices have been learned and transferred to the ICM parallel sites. He noted that the workshop aims to summarize the lessons learned for consideration in future planning. He wished everyone all the best and particularly thanked the Xiamen Ocean and Fisheries Bureau for hosting the workshop.
- ii. Atty. Raphael Lotilla, PEMSEA Resource Facility Executive Director, thanked the SOA and Xiamen for organizing the workshop, the organizers of XWOW for the warm welcome, and the local governments for their participation. He emphasized that Xiamen's multi-sectoral governance, adaptive management based on sound science and political will to promote a better life now and for future generations is something that China has contributed to East Asia. He noted the need for continuous capacity development and adaptive management in order to achieve the vision of a blue civilization. He expressed PEMSEA's commitment to serve as the regional mechanism to implement the Sustainable Development Strategy for the Seas of East Asia, a strategy that China has also adopted. He echoed Dr. Zhang's eagerness to hear from the participants and wished for the success of the workshop.

- iii. On behalf of the Municipal Government of Xiamen, Mr. Lin Haiqing, Director of the Xiamen Ocean and Fisheries Bureau welcomed the SOA, PEMSEA and the ICM parallel sites. He described the natural beauty of Xiamen, its rapid economic development, and the importance of the sea to Xiamen. He then reviewed the actions and results in multisectoral coordination, scientific inputs to decision-making, and integrated law enforcement that have earned Xiamen honors. He expressed his gratitude to SOA, PEMSEA and the parallel sites for their contribution to Xiamen's ICM implementation. He noted that much remains to be done and encouraged all participants to provide their inputs.

1.0 PART 1: FRAMEWORK FOR SUSTAINABLE DEVELOPMENT OF COASTAL AREAS THROUGH ICM IMPLEMENTATION

- 1.1 Atty. Lotilla served as chair for Part 1 of the workshop.

Introduction of the Framework for Sustainable Development of Coastal Areas through ICM

- 1.2 Mr. S. Adrian Ross, Chief Technical Officer of the PEMSEA Resource Facility, introduced the Framework for Sustainable Development of Coastal Areas through ICM (Annex 3), which PEMSEA has developed based upon its 15 years of ICM experience. He briefly explained that the Framework focuses on five aspects of Sustainable Development that can be addressed with the use of the six elements of Governance. He also introduced the State of the Coasts reporting system and the ICM Code, two tools developed by PEMSEA for guiding the development, implementation and evaluation of ICM programs. He then pointed out examples of specific activities under some of the Governance elements and Sustainable Development aspects, as well as the various stages of ICM Program Development and Implementation.

Xiamen City's Application of the Framework for Sustainable Development of Coastal Areas through ICM

- 1.3 Dr. Zhou Lumin, Deputy Director of the Xiamen Oceans and Fisheries Bureau, thanked PEMSEA and the 10 parallel sites whose experiences have helped Xiamen. He briefly introduced Xiamen then described Xiamen's version of the model presented earlier by Mr. Ross, with the key elements as follows: (a) legislation; (b) ICM coordinating mechanism; (c) scientific and technological support; (d) integrated law enforcement; and (e) public participation. In discussing these elements, he also described plans, financing mechanisms, and capacity development activities.

Dr. Zhou then described Xiamen's achievements which have led to its international recognition:

- a. rehabilitation of uninhabited islands;
- b. reduction of land-based pollution including on-line, real-time water quality monitoring, wastewater treatment and water reuse;
- c. improvement of Yuandang Lake;
- d. ISO 14001 certification of Xiamen's marine environmental management system; and
- e. marine environmental protection, including rehabilitation of various bays and beaches and opening of seawalls.

He also noted the role of Xiamen in contributing to national policy development and in sharing experiences in coastal sustainable development through the Xiamen World Ocean Week and the PEMSEA Network of Local Governments for Sustainable Coastal Development (PNLG).

Finally, he outlined Xiamen's directions in applying their experience with respect to transboundary management in the Jiulong River.

Quanzhou City's report on progress, challenges, and future plans in ICM

- 1.4 After a brief background on Quanzhou City (see Annex 4), Mr. Zhou Bin of Quanzhou City's Oceans and Fisheries Bureau described the City's progress in ICM including: (1) establishment of a coordination mechanism and marine management office led by the Oceans and Fisheries Bureau, which includes administrative offices at the county level; (2) regulations published on sea use and licensing, marine pollution, and marine functional zoning; (3) integrated enforcement of marine use; and (4) dynamic marine monitoring system. He felt that the environment has been improving as a consequence of reduction in pollution.

Mr. Zhou outlined their ongoing work, such as:

- a. ecological restoration including the planting of mangroves in Quanzhou Bay;
- b. monitoring of industrial pollution;
- c. functional zonation of three major bays including the needed scientific basis and surveys;
- d. strengthening the scientific basis for the use of marine resources;
- e. development of port and tourism industries;
- f. reduction of the effects of construction projects on the environment;
- g. development of new marine technologies and industries; and
- h. protection of the marine fishery industry including aquaculture and processing.

Yangjiang City's report on progress, challenges and future plans in ICM

- 1.5 After a brief background on Yangjiang City (see Annex 4), Mr. Feng Jiazeng of the city's Oceans and Fisheries Bureau described their progress in ICM, including: (1) establishment of a coordination mechanism between the transportation and marine affairs sectors; (2) regulations published on marine functional zoning; (3) establishment of nature reserves and artificial reefs; and (4) marine environmental monitoring.

Mr. Feng then enumerated the challenges to ICM implementation, namely: (1) conflicts between coastal industries and aquaculture industry; and (2) the relocation of many industries to less developed areas which will stimulate economic activity but whose management will require funds for environmental protection. Finally, he hoped experiences from more developed areas will help increase Yangjiang's ability to manage its coastal areas.

Haikou City's report on progress, challenges and future plans in ICM

- 1.6 After a brief background on Haikou City (see Annex 4), Mr. Lu Yongjiang of Haikou City's Oceans and Fisheries Bureau described their progress in ICM including: (1)

regulation published on coastal protection and management; (2) management of garbage; (3) protection of the drinking water source; and (4) establishment of a nature reserve for mangroves. He reported that Haikou is ranked top in terms of air quality in China.

Mr. Lu then enumerated the remaining challenges to ICM implementation, namely: the need for financing; and the need for more scientific support such as that needed to operate the dynamic surveillance and monitoring of marine waters. Finally, he outlined their future plans, including:

- a. getting policy support from the province for multisectoral coordination;
- b. capacity building of technicians;
- c. development of dynamic marine surveillance system;
- d. control of land-based pollution;
- e. protection of the marine environment;
- f. increasing capacities for managing the city's garbage; and
- g. formalization of the management of sea area use.

Panjin City's report on progress, challenges and future plans in ICM

- 1.7 After a brief background on Panjin City (see Annex 4), Mr. Sun Gang of the city's Oceans and Fisheries Bureau described their progress in ICM. These include: (1) the development of a framework for integrated management (including coordination between the oil industry and the management of the marine environment) but pending approval; (2) development and pilot testing of marine functional zoning; (3) initiation of coordination between the Oceans and Fisheries Bureau, the Environmental Protection Bureau and the Forestry Bureau; (4) enforcement of marine environmental regulations; (5) surveys and monitoring of biodiversity, resources and pollution in the estuary, bay and aquaculture areas; and (6) the development of plans for marine disasters.

Mr. Sun then enumerated the remaining challenges, as follows: (1) the need to strengthen coordination system among the bureaus and with industries; (2) the need to strengthen marine enforcement through advanced technologies; (3) to need to detect and respond to oil spills; and (4) the development of a dynamic marine surveillance system. Finally, he mentioned their future plans on the management of transboundary river pollution including dredging; and the development of wetland reserves and ecological restoration areas.

Leting County's report on progress, challenges, and future plans in ICM

- 1.8 After a brief background on Leting County (see Annex 4), Mr. An Fengchong of the Oceans and Fisheries Bureau described their progress in ICM as follows: (1) regulations on sea use, marine functional zoning and emergencies; and (2) raising public awareness. Remaining challenges for Leting County include the need for financing; and the need for more technical capacity.

Dongying City's report on progress, challenges, and future plans in ICM

- 1.9 After a brief background on Dongying City (see Annex 4), Mr. Wang Jinhe of the Oceans and Fisheries Bureau, described their progress in ICM including: (1)

establishment of the Oceans and Fisheries Bureau as the leading group for a coordinating mechanism involving 12 bureaus; (2) issuance of many regulations and plans including those of marine functional zonation, environmental protection, and development of marine industries; (3) rapid development of coastal law enforcement capacity; and (4) increased ability in environmental quality monitoring and development of dynamic marine use surveillance system. Other activities in Dongying include: (1) the establishment of strict controls on new and old sources of pollution including sewage treatment and environmental protection in the oil industry; (2) construction of sea walls and development of plans to prevent disasters and accidents and respond to marine emergencies; (3) development of nature reserves in the Yellow River triangle area; and (4) raising of public awareness. Cooperation with the Ocean University of China and SOA's First Institute of Oceanography has provided scientific support.

Mr. Wang enumerated some of the challenges to ICM implementation, namely: (1) limited resources; (2) frequency of natural disasters; (3) marine pollution; (4) overfishing; (5) use of the coastal area without impact assessment; and (6) the need to strengthen the coordinating mechanism. Finally, he outlined the future plans for Dongying: (1) effective and scientific coordinating system in ICM; (2) specific actions that include the development of a legal framework for coordination, environmental management actions, surveillance system, and human resources development; and (3) environmental treatment and zoning of the river including interception of sewage, protection of drinking water source, and development of areas for tourism.

Lianyungang City's report on progress, challenges, and future plans in ICM

- 1.10 After a brief background on Lianyungang City (see Annex 4), Mr. Wu Weiqiang of the Oceans and Fisheries Bureau, described their progress in ICM, including: (1) mechanisms and regulations in support of ICM such as marine functional zoning; (2) broad government and public support for ICM; (3) annual monitoring of environmental protection by the city and provincial councils; (4) control of pollution point sources; (5) strict rules on environmental impact assessments; (6) nature reserves and ecological restoration, such as through artificial reefs; (7) marine law enforcement; and (8) marine monitoring.

Mr. Wu enumerated some challenges for the ICM program as: (1) land-based pollution; (2) the relocation of many industries to Lianyungang; (3) the lack of financing; and (4) the need for a stronger coordinating mechanism.

Open Forum

- 1.11 Mr. Adrian Ross began the open forum with a summary of achievements commonly reported: (1) regulations which were the cornerstone of many of the projects; (2) integrated law enforcement; (3) marine functional zoning; (4) public awareness to leverage partnerships; and (5) marine monitoring and surveillance. He noted that many elements seem to have been learned from the Xiamen model. Problems often reported included: (1) the need for stronger coordination; (2) the need for more skilled people; and (3) the lack of funds. He also noted that while many actions were being reported, there were few indications of measured improvements on the ground.

- 1.12 Mr. Ross' summary was followed by a clarification by Mr. Zhou Bin and Prof. Mao Bin of the often-reported marine monitoring and surveillance system. These are online, real-time marine information systems that aim to integrate databases, GIS, remote sensing and water quality monitoring. The development of these systems are being facilitated by subsidies from the State Oceanic Administration.
- 1.13 In line with the three commonly reported problems, Mr. Ross inquired whether or not common strategies to harmonize existing programs (as opposed to new programs that needed new financing) had been developed and through which personnel were increasingly able to work in a coordinated manner with other sectors. Mr. Zhou Bin clarified that most coastal cities have developed 5-, 10-, and 15-year multi-sectoral marine economic development plans where the interests of various sectors are balanced.
- 1.14 Dr. Xue Xiongzhi shared that in the case of Xiamen, the incorporation of the Strategic Environmental Management Plan into the five-year development plan was important. ICM study tours involving the senior leaders of various sectors also strengthened the partnership among sectors.

Summary

- 1.15 In summary, the parallel sites have reported much progress especially in regulations, zoning that included nature reserves, integrated law enforcement and monitoring though there were no trends in field conditions reported. Though development plans that integrate the needs of various sectors are developed, interagency coordination, human resource capacity and financing still need improvement.

2.0 PART 2: TOOLS AND PLANS FOR SCALING UP SUSTAINABLE DEVELOPMENT OF COASTAL AREAS THROUGH ICM IMPLEMENTATION

Prof. Mao Bin served as chair of Part 2 of the workshop.

State of the Coasts Reporting System

- 2.1 Dr. Andre Jon Uychiaoco of the PEMSEA Resource Facility (PRF) introduced the State of the Coasts (SOC) Reporting System as a tool designed to evaluate and continuously improve the integrated management of coastal areas. He emphasized that joint decisions must be based upon a common information base and common perceptions. The SOC is based upon indicators that were developed for each of the elements of the Framework for Sustainable Development of Coastal Areas through ICM. He reported that indicators were selected for their relevance to local management decisions as well as to internationally agreed targets. He briefly described the process by which various sectors would cooperate to: (a) prepare the State of the Coasts report with an emphasis on trends; and (b) jointly assess implications and recommend actions.

ICM Code and Recognition System

- 2.2 Mr. Adrian Ross described the ICM Code, which aims to provide guidance on a systematic approach for developing, implementing and sustaining integrated coastal management programs. He noted that the ICM Code includes process and outcome

indicators for the individual elements of the Framework for Sustainable Development of Coastal Areas through ICM. Mr. Ross also pointed out that the format for the ICM Code has been based on two international standards, namely ISO 9001 (quality management system) and ISO 14001 (environmental management system). The ICM Code may be used by local governments to monitor and evaluate their progress with regard to development and implementation of ICM programs.

Progress and Achievements in ICM Training

- 2.3 Dr. Xue Xiongzhi of the Coastal and Ocean Management Institute (COMI) of Xiamen University described the International Training Center for Coastal Sustainable Development (ITC-CSD), particularly how it draws upon knowledge gained from research, from implementing ICM in Xiamen and from experiences in other PEMSEA ICM demonstration sites for capacity building within and beyond PR China. Since its establishment, the ITC-CSD has been able to train over 400 people in China and over 400 people from outside China, including officials of international organizations. ITC-CSD also provides training packages in cooperation with PEMSEA, UNEP-GPA and The World Bank. Xiamen University offers a Masters degree in Marine Affairs, which includes integrated application of policy and law, economics and oceanography. Dr. Xue outlined plans to strengthen the ITC-CSD by recruiting highly regarded personnel, improving and broadening its course offerings, and developing partnerships with other organizations.

Draft Work Program for Scaling Up ICM at the 10 Parallel ICM Sites in China

- 2.4 Prof. Mao Bin of the Department of International Cooperation of SOA presented the Draft Work Program for Scaling Up ICM in China (Annex 5). He stated that the work program is in line with an MOA that had been signed for China's 3rd phase of cooperation with PEMSEA. He noted that the draft work program was divided into 3 parts: (1) China's participation at the East Asian regional level; (2) activities at the national level; and (3) activities at the local level.

Activities at the regional level include participation in developing PEMSEA's legal personality and partnership fund, as well as participation in the Executive Committee and the EAS Partnership Council, and the EAS Congress.

Activities at the national level include:

1. The development of capacity through: (a) a national training program; (b) specialized trainings; (c) development of National Task Force to assist in SDS-SEA implementation; and (d) an internship program.
2. The development of an institutional arrangement composed of: (a) a national committee to lead and coordinate implementation of the Phase 3 project; (b) a committee of experts; and (c) three task teams, namely for ICM scaling up to the 10 parallel sites, for river basin management, and for the ICM Code and recognition system.
3. The development of a website and facilitation of the sharing of case studies of good practices;

4. The development of a national policy and strategy for integrated coastal management; and
5. The monitoring, evaluation and communication of progress and achievements in the parallel sites and in Bohai Sea with the other sites and through various technical exchanges.

Prof. Mao outlined the elements for the local level activities in Xiamen, the the 10 parallel sites and Bohai Sea. In Xiamen, this included support for the Jiulong River Basin efforts, development of a State of the Coasts report, sharing of experiences and strengthening of the Coastal and Oceans Management Institute at Xiamen University. For the 10 parallel sites, this would include development of State of the Coasts reports, development of local ICM plans, and ICM certification. In Bohai Sea this would be the implementation of the Bohai Sea Sustainable Development Strategy including pollution reduction investment plans and projects.

Open Forum

- 2.5 Participants from Xiamen University and SOA expressed their interest in the detailed list of indicators used in the Batangas State of the Coasts report. The PEMSEA secretariat agreed to circulate the draft Guide for the SOC reporting system.
- 2.6 Prof. Mao clarified that the proposed interagency coordinating group for the Phase 3 PEMSEA project would include representatives from various national agencies and leaders from each of the 10 parallel sites, Xiamen and the 4 Bohai Sea provinces. He also clarified that a website would be developed as a vehicle for promoting a national network of ICM sites.

3.0 PART 3: FINANCING AND INVESTMENT IN ENVIRONMENTAL INFRASTRUCTURE

- 3.1 Mr. S. Adrian Ross and Mr. Liang Fengkui served as co-chairs of Part 3 of the workshop.

Financing and Investment of Environmental Infrastructure at the 10 ICM Parallel Sites

- 3.2 Mr. Arun Abraham, PRF consultant, began by scoping out the definition of environmental infrastructure investments in China. He then outlined the current policy/regulatory environment in China for environmental investments. He described reforms and the growing sophistication of the financial sector. He then identified the key features of public procurement in China, the guidelines for the use of intermediaries, and current challenges, such as: (1) the current nature of transactions; (2) the need for mechanisms for local communities to be involved in decisions; and (3) the need for stronger oversight. He then described China's progress in meeting the Millennium Development Goals pertaining to water supply and sanitation. He described three types of financing (government, private and market-based) with particular emphasis on carbon markets and the issues associated with each type. Mr. Abraham described various approaches for local government to access financing and possible ways PEMSEA could facilitate this process.

Open Forum

- 3.3 The Open Forum incorporated the brief inputs from each of the parallel sites on their environmental investment activities. The discussion began with a clarification of where financial returns on investment were coming from in the case of these environmental investments. The representatives from Quanzhou and Lianyungang Cities noted some of the investments they were making. The Quanzhou City participant noted that these investments were actually profitable, while the representative from Lianyungang City noted the need for more technical and financial support. The Panjin participant noted a number of environmental issues especially in the light of their important wetland areas and the petroleum and agriculture industries. The representative from Yangjiang City noted the need to develop mangroves and more sewage treatment plants. The Dongying participant noted it had the advantage of large tax revenues from the oil industry and that they were undertaking the construction of a 128-km seawall and many other smaller projects.

Mr. Liu, the representative from Tianjin, noted that they needed to establish an entity to receive investments. He informed the workshop that these projects may not yield much financial benefits but they provide social and environmental benefits. Mr. Liu believes environmental sites with tourism potential could generate more profit.

The representative from Leting County enquired about sending project proposals to PEMSEA for the PRF to assist in finding financing. Mr. Ross noted that normally PEMSEA would work with the local government proponent to improve the investment climate before approaching investors.

4.0 CLOSING

- 4.1 Mr. Liang Fengkui thanked PEMSEA, Xiamen and the participants. Mr. Adrian Ross thanked SOA, Xiamen and the participants. They both noted that the workshop objectives have been met. They hoped that the workshop would provide a platform for future work to improve coordination and build capacity in ICM and in environmental investments.

5.0 FIELD TRIP

- 5.1 The participants joined a field trip hosted by the Xiamen government to the Xiangshan artificial sand beach, the Garden Show Park, and the Riyuegu hot springs.

Annex 1. Workshop Programme

National Workshop for Local Governments Implementing ICM in China

10-11 November 2008

Multifunctional Hall, Xiamen Golden Sands Gulf Hotel

Xiamen, P.R. China

中国地方政府海岸带综合管理研讨会初步议程

Day 1: 10 November 2008

第一天: 11月10日

Time 时间	Activities 内容	Presenters/Facilitators 演讲人
08:30-09:00	Opening Remarks/Welcome 致欢迎辞	Dr. Zhang Zhanhai, SOA 国家海洋局张占海博士 Atty. Raphael Lotilla, PEMSEA Mr. Lin Haiqing, Xiamen Oceans & Fisheries Bureau 厦门市海洋与渔业局蔺海清局长
09:00-09:20	Group Photo 集体合影	
Part 1. Framework for Sustainable Development of Coastal Areas through ICM Implementation 第一部分: 沿海地区通过实施海岸带综合管理的可持续发展框架 Chair: Atty. Raphael Lotilla, PEMSEA 主席: PEMSEA Lotilla		
09:20-09:35	Introduction of the Framework for Sustainable Development of Coastal Areas through ICM 沿海地区海岸带综合管理的可持续发展框架介绍	Adrian Ross, PEMSEA
09:35-10:05	Xiamen's Application of the Framework for Sustainable Development of Coastal Areas through ICM 厦门介绍海岸带综合管理可持续发展框架的应用情况	Zhou Lumin, Xiamen Municipality 厦门市周鲁闽先生
10:05-11:05	Reports on the priority issues, progress, challenges at the 10 ICM parallel sites (10 minutes presentation per site) 10个平行点做关于实施海岸带综合管理的问题、进展及挑战的报告 (每个点10分钟报告时间)	Zhou Bin, Quanzhou City 泉州市周滨先生 Feng Jiazeng, Yangjiang City 阳江市冯家增先生 Lu Yongliang, Haikou City 海口市吕永良先生
11:05-11:20	Coffee Break 茶歇	
11:20-12:30	Reports on the priority issues, progress and challenges in ICM implementation at the the 10 ICM parallel sites (10 minutes per site) 10个平行点做关于实施海岸带综合管理的问题、进展及挑战的报告 (每个点10分钟报告时间)	Sun Gang, Panjin City 盘锦市孙刚先生 An Fengchong, Leting County 乐亭市安凤崇先生 Guo Dongsheng, Dongying City 东营市郭东升先生
12:30-13:30	Lunch Break 午餐	PEMSEA

Time 时间	Activities 内容	Presenters/Facilitators 演讲人
13:30-13:50	Reports on the priority issues, progress and challenges in ICM implementation at the 10 ICM parallel sites (10 minutes per site) 10 个平行点做关于实施海岸带综合管理的问题、进展及挑战的报告 (每个点 10 分钟报告时间)	Wu Weiqiang, Lianyungang City 连云港市吴卫强先生
13:50-14:30	Open Forum: Challenges and proposed actions for ICM scaling up at the 10 ICM parallel sites 自由发言：在 10 个平行点推广海岸带综合管理将面临的挑战及建议的工作	All participants 所有参会人员
Part 2. 第二部分 Chair: Prof. Mao Bin 主席：毛彬教授		
14:30-14:45	State of the Coasts (SOC) reporting as a systematic method for monitoring progress and impacts of ICM 作为海岸带综合管理进程与影响系统性方法：SOC 报告	Andre Uychiaoco, PEMSEA
14:45-15:00	ICM Code and Recognition System ICM 编码与识别系统	Adrian Ross, PEMSEA
15:00-15:30	Open Forum: Development and implementation of SOC reporting systems at the 10 Parallel ICM Sites Development and implementation of ICM Code and Recognition System 开放性论坛： SOC 报告系统在十个 ICM 平行点的发展与执行 ICM 编码与识别系统的发展和实施	All participants 所有参会人员
15:30-15:45	Coffee Break 茶歇	
15:45-16:00	Progress and Achievements in ICM Training ICM 培训中心进展和经验	Xue Xiongzhi, Xiamen University 薛雄志教授
16:00-16:30	Draft Work Program for Scaling Up ICM at the 10 Parallel ICM Sites in China 在中国十个平行点提升 ICM 的工作计划草案	Mao Bin, SOA 国家海洋局梁凤奎
16:30-17:00	Open Forum: Work Program for Scaling Up ICM in China 开放性论坛：在中国加强海岸带综合管理发展工作计划	All participants 所有参会人员
18:30	Dinner 晚餐	SOA 国家海洋局

Day 2: 11 November 2008

Time 时间	Activities 活动	Facilitators 主持
<p>Part 3. Financing and Investment in Environmental Infrastructure 第三部分 对环境机构的财政支持和投入 Co-chairs: Mr. Liang Fengkui, SOA and Mr. S. Adrian Ross, PEMSEA 联合主席：国家海洋局梁凤奎和 S. Adrian Ross, PEMSEA</p>		
09:00-09:45	<p>Financing and Investment of Environmental Infrastructure at the 10 ICM Parallel Sites 10 个平行点环境机构的资金和投入</p>	<p>Arun Abraham, PEMSEA consultant PEMSEA 顾问, Arun Abraham</p>
09:45-10:15	<p>Reports on potential environmental investments, project development and financing needs and project status at the 10 ICM parallel sites (5 minutes per site) 平行点关于环境潜在投入、项目发展和资金需求及项目情况报告（每个点不超过 5 分钟）</p>	<p>Sun Gang, Panjin City 盘锦市孙刚先生 An Fengchong, Leping County 乐平市安凤崇先生 Guo Dongsheng, Dongying City 东营市郭东升先生 Wu Weiqiang, Lianyungang City 连云港市吴卫强先生</p>
10:15-10:30	Coffee break 茶歇	
10:30-11:00	<p>Reports on potential environmental investments, project development and financing needs and project status at the 10 ICM parallel sites (5 minutes per site) 平行点关于环境潜在投入、项目发展和资金需求及项目情况报告（每个点不超过 5 分钟）</p>	<p>Zhou Bin, Quanzhou City 泉州市周滨先生 Feng Jiazeng, Yangjiang City 阳江市冯家增强先生 Lu Yongliang, Haikou City 海口市吕永良先生</p>
11:00-11:30	<p>Open Forum: Financing and Investment in Environmental Infrastructure 开放式论坛：环境机构的财政支持与投入</p>	<p>All participants 所有参会人员</p>
11:30-12:00	Follow-up Actions	<p>Local Governments Liang Fengkui, SOA. 梁凤奎 Adrian Ross, PEMSEA</p>
12:00-12:15	<p>Closing 闭幕</p>	<p>Dr. Zhou Lumin, Xiamen 周鲁闽 Mr. Liang Fengkui, SOA 梁凤奎 Adrian Ross, PEMSEA</p>
12:30	Lunch 午餐	PEMSEA
Afternoon	Study Tour 参观游览	

Annex 2. List of Participants

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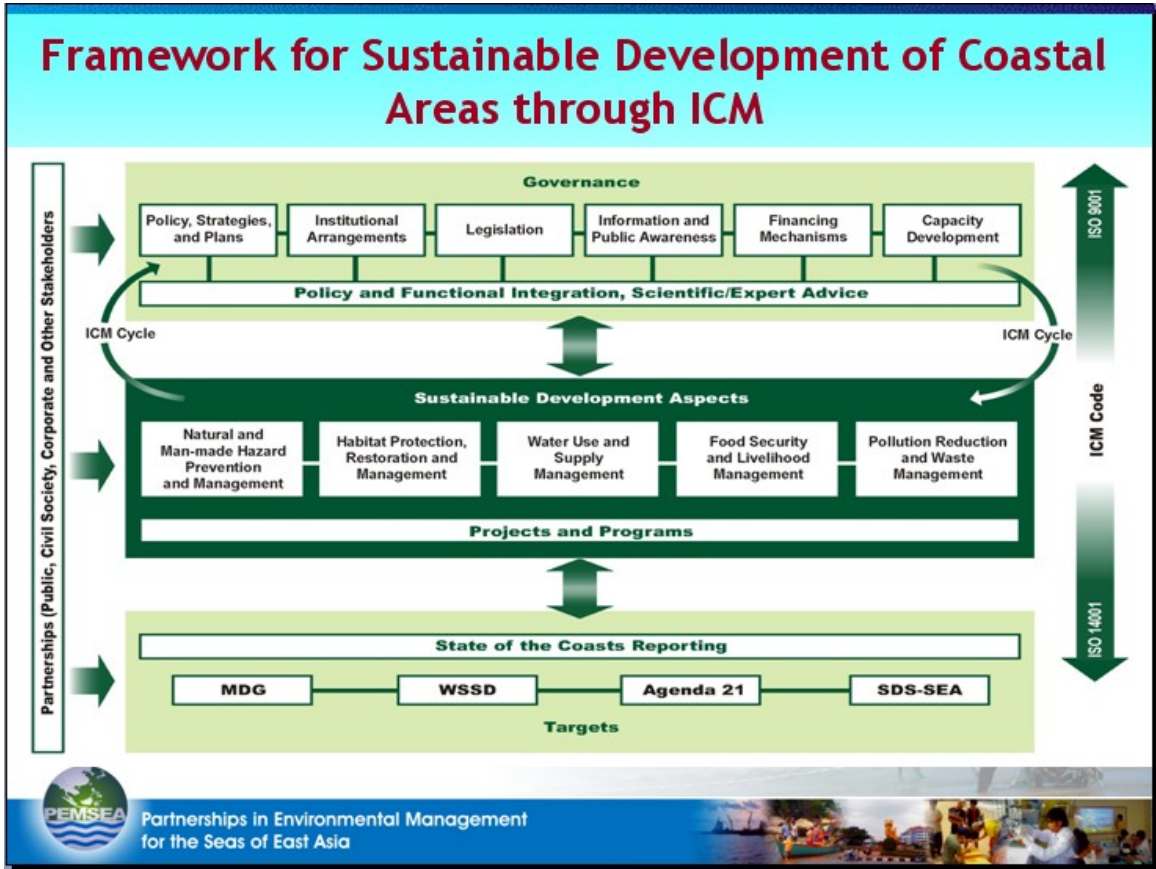
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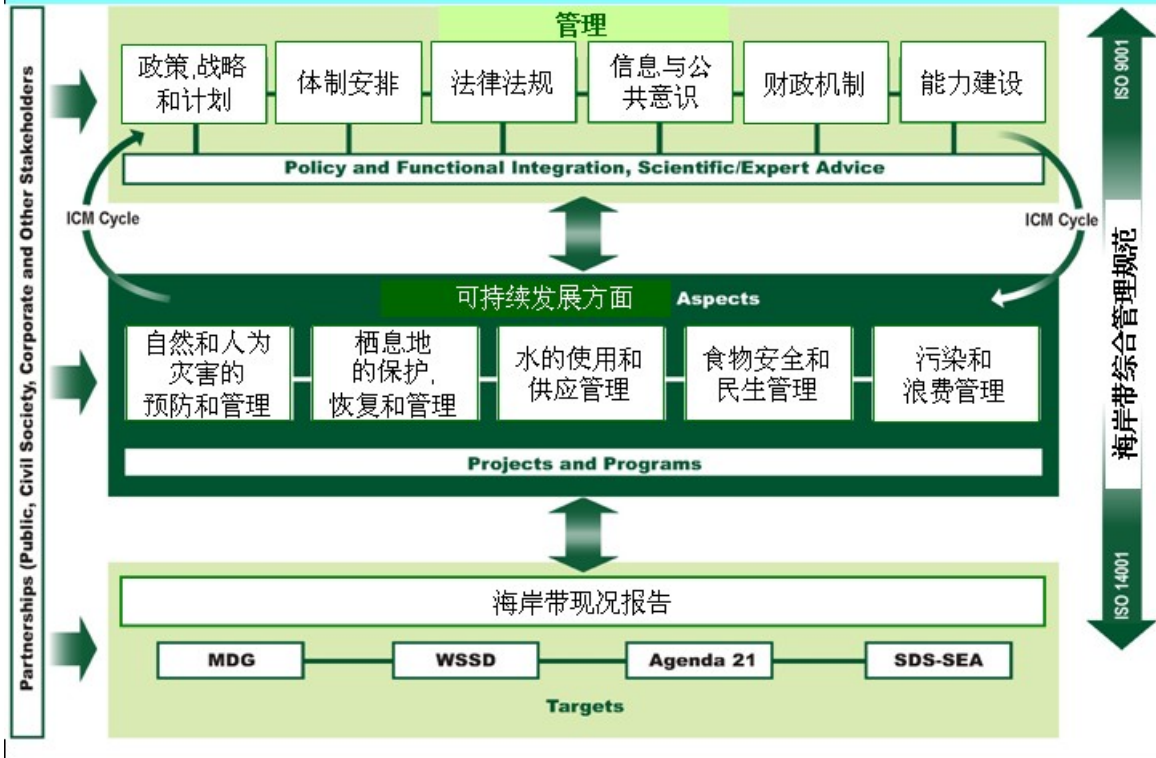
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Annex 3. Framework for Sustainable Development of Coastal Areas through ICM Implementation



通过执行海岸带综合管理而达到沿海地区可持续发展框架



Annex 4. Background on the 7 Parallel Sites reported at the XWOW 2008 Workshop.

City	Sea area (km ²)	Coastline (km)	Marine Industries							
			Ports	Shipping	Industries	Fisheries	Tourism	Aquaculture	Salt	Oil
Quanzhou	11,000	514	x	x	x	x		x	x	
Yangjiang	12,000	500								
Haikou	830	131								
Panjin	1,400	180		x		x				x
Laoting	2,118	122	x		x	x	x			
Dongying	8,050		x	x		x	x			x
Lianyungang			x			x			x	




Annex 5. Draft Work Program for Scaling Up ICM at the 10 Parallel ICM Sites in China

**PEMSEA第三期海岸带综合管理
国家工作计划（讨论稿）
Draft Work Program for Scaling up
ICM at the 10 Parallel ICM Sites In
China**

国家海洋局国际合作司国际组织处
福建省厦门市 2008年11月10-11日


**A、在东亚海区域层面上的
工作计划
Implementation of SDS-
SEA in China—at the
regional level**

**B、在国家层面上的工
作计划
Implementation of
SDS-SEA in China—at
the national level**




前 言

- 在中国执行东亚计划第一期和第二期项目的基础上，根据国家海洋局与PEMSEA签订的MOA中所列的国家海洋局的现职，制定本工作计划。每个平行示范城市在统一进行一些常规海岸带综合管理项目的同时，开展一些具有自己特色的、能够满足地方需求的项目。
- 工作计划主要分为三个层次。一是在东亚海区域层面上，主要是制定和实施MOA中所列的国家海洋局在东亚海区域中所负责的工作计划和承诺；二是国家层面上，工作计划的重点是能力建设和制度建设，最终建立ICM的长效机制；三是在地方示范区的层面上，重点是进一步推进ICM计划，帮助地方建立必要的机制，在财政上、技术上给予适当的支持，并在海洋污染防治方面协助引进外部资金。




一、中国对实施《东亚海可持续发展战略》地区机制的贡献

- 1、支持PEMSEA的国际法人地位和伙伴关系资金
 - 正在会商国内有关部门，积极协调此事
- 2、参加东亚海伙伴关系理事会和执委会
- 3、组织参加2009年举行的第三次东亚海大会
 - 组织ICM管理官员、技术专家、地方ICM网络成员单位参加SEA 2009
 - 挑选组织中国的青年学生参加东亚海大会的青年论坛。



二、制定并实施《东亚海可持续发展战略》国家推广计划

- 1、能力发展
 - (1) 国家ICM培训计划
 - (2) 专项培训计划
 - (3) 《东亚海可持续发展战略》的国家任务推动
 - 建议和督促地方政府建立各自的海岸带综合管理协调机构，以加强各沿海地区对海岸带区域的管理和协调机制和渠道。
 - 海岸带综合管理人力资源建设：通过参加地区海岸带综合管理培训发展海岸带综合管理知识和人力资源，建立国家项目工作组、推广海岸带综合管理经验，并为地区海岸带综合管理工作做出贡献，建立国家项目工作组，通过参加地区培训加强国家项目工作组对地方海岸带综合管理的技术支撑。
- (4) 实习生计划



• 2、组织机构安排

- (1)、东亚海计划项目国家工作委员会：领导、组织、协调东亚海计划第三期项目的实施。执行办公室设在国际司
- (2)、东亚海计划项目专家指导委员会：为东亚海计划项目国家工作委员会提供专家咨询意见，解决在实施东亚海项目过程中出现的科学和技术问题。根据需要为实施东亚海计划第三期项目单位提供专家咨询意见和指导。
- (3)、海岸带综合管理平行示范点工作组：根据东亚海计划第三期项目要求，制订平行示范城市海岸带综合管理计划；组织、协调该计划的实施；定期进行总结交流，并向东亚海计划项目国家工作委员会报告工作。
- (4)、流域管理工作组：根据东亚海计划第三期项目要求，制定流域管理工作计划，组织协调该计划的实施，定期进行总结与交流，并向东亚海计划项目国家工作委员会报告工作。
- (5)、海岸带综合管理标准与规范工作组：在总结东亚海计划第一期和第二期项目执行的基础上，在执行东亚海计划第三期项目过程中推广和完善海岸带综合管理规范与标准；向东亚海计划项目国家工作委员会报告工作。

• 4、海洋管理的国家政策和法律推进

- 国家海岸带综合管理战略规划编制。在前期对我国海岸带综合管理状况充分调研与分析的基础上，组织专家针对我国的海岸带综合管理情况编制我国的海岸带综合管理战略规划，并将此战略作为后期我国海岸带综合管理的指导性文件。

C、在地方示范区的层面上的工作计划 Implementation of SDS-SEA in China—at the local level

• 3、《东亚海可持续发展战略》推广计划

- 网站建设：由国家项目办近期建设并开通海岸带综合管理网站，用以扩大东亚海项目的宣传、促进各平行示范城市间的交流、推广海岸带综合管理经验与技术方法、项目有关事项的公告公示、提高公众对海岸带综合管理的了解与参与等，提炼、传播项目实施动态、经验与教训，以便在其他地方推广实施。
- 相关的宣传教育活动：组织国家和地方的海岸带综合管理成功实践案例分析，并在东亚海大会上介绍和展览。

• 5、对进展及成效的监测、评估和交流

- 组织与开展海岸带综合管理状况评估与报告：在环渤海3省1市和11个平行示范城市的海岸带综合管理状况报告的基础上，再组织专家对我国其它有代表性的沿海各省市进行海岸带综合管理状况调研和分析评估，编写国家的海岸带综合管理状况评估报告，并邀请相关专家与管理人员共同研讨，最后将这些报告提交给PEMSEA秘书处。
- 组织国内ICM的交流：通过组织平行示范城市与其它沿海地区的海岸带综合管理交流会、东亚海大会、海岸带大会以及其它与国外的经验交流会，学习和分享国际先进的海岸带综合管理技术方法与先进经验。
- 技术支持与交流：通过组织国家高校、科研院所与地方海岸带综合管理机构共同参与的论坛、能力培训、进修、在职实习、考察、现场技术帮助、知识管理等其它活动形成对地方管理者与技术单位的交流。

• 三、地方《东亚海可持续发展战略》推广

- 1、厦门示范区计划
- 九龙江流域
- 海岸带状况报告（SOC）
- 经验分享
- 厦门大学的海岸带与海洋管理研究所

• 2、其它10个平行示范区的推广计划

- 海岸带状况报告（SOC）：在对我国10个海岸带综合管理平行示范城市的调研与摸底的基础上，分析各地的海岸带综合管理的现状，由地方政府与国家项目办共同编写各地区的海岸带综合管理状况评估报告。通过海洋管理状况报告来监测、评价和报告东亚海可持续发展战略在国家和地方实施的效果。
- 地方ICM政策：地方海岸带综合管理规划的编制。组织有条件的海岸带综合管理平行示范城市开展制定海岸带综合管理规划，将海岸带综合管理纳入到主管机构的日常管理过程中。
- ICM认证：
- 其它自行开展的ICM工作和项目：如东营市拟开展小流域的综合治理及环境改善项目。

• 3、渤海地区可持续发展战略的实施

- 4、条流域的污染削减项目和投资计划
- 污染削减投资项目

