



**COBSEA Regional Train-the-Trainer Course on Spatial
Planning in the Coastal and Marine Zone of the EAS
Region**

COURSE REPORT



**Kantary Bay Hotel, Cape Panwa, Phuket, Thailand
14-18 May 2012**

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1. Training Course Summary

From May 14 to 18, 2012, 34 participants from six East Asian countries met in Phuket Thailand to participate in the Sida-sponsored, UNEP/COBSEA Regional Train-the-Trainer Course on Spatial Planning in the Coastal and Marine Zone in the EAS Region. The five-day training course provided instruction by international experts to future national trainers on how to integrate emerging issues such as adaptation to climate change and sea-level rise, and modern management approaches including ecosystem-based management, disaster-risk reduction and marine spatial planning, into national and sub-national spatial planning processes in the coastal and marine environments.

The regional train-the-trainer course concluded with the completion of draft national training syllabi by each of the six national teams, with responsibilities assigned and schedules set for the further development and implementation of their own national training courses. National training courses will be convened in Cambodia, China, Indonesia, Philippines, Thailand and Vietnam in late 2012/early 2013.

National course instruction and many of the key resource documents (e.g., training course presentations, manuals, guidance documents) will be translated into appropriate national languages to facilitate ease of learning and increase depth of understanding of key concepts and approaches.

The forthcoming delivery of six national training courses on how to integrate emerging issues and modern management approaches into national spatial planning processes represents the culmination of the Sida-sponsored, UNEP/COBSEA-delivered project on Spatial Planning in the Coastal Zone – Disaster Prevention and Sustainable Development. The project will conclude in 2013 with the results and experiences of the national training courses integrated into the interim regional resource guide and a set of lessons learned developed to guide future training and application.

It is the sincere hope of UNEP, COBSEA, the participating countries and the generous sponsor Sida, that the impact of this project will be significant and long-term. The highly collaborative and consultative nature of this project ensured that the phased activities adapted to and met the needs and priorities of the participating countries.

The fact that a now regionally trained cadre of national experts and instructors are extending further awareness and training in their own countries, gives promise to the effective and nationally specific incorporation of emerging issues and modern management approaches into national spatial planning regimes and decision-making processes.

2. Training Context and Course Objectives

The project 'Spatial Planning in the Coastal Zone – Disaster Prevention and Sustainable Development' was developed by the COBSEA Secretariat as a post-tsunami project during

2006 and submitted to the Swedish International Development Cooperation Agency (Sida), which approved it for funding in early 2009. The 3-year project focuses on spatial planning in coastal areas with an overall goal to prevent/reduce the impacts from natural disasters, climate change and sea-level rise, and to promote sustainable development of coastal areas through the application of spatial planning.

In Phase 1, an interim Regional Resource Document (RRD) - "*Spatial Planning in the Coastal Zone of the EAS Region: Integrating Emerging Issues and Modern Management Approaches*" was developed to promote the application of, *inter alia*, ecosystem-based management principles and stakeholder involvement (including coastal communities) in spatial planning processes. In addition, a menu of possible capacity-building activities was prepared with the aim of adapting the Regional Resource Document to the specific needs of individual countries.

These documents were used as the basis for the Phase 2 individual consultations in the six participating countries during November-December 2011 to identify national needs and priorities for capacity building in coastal spatial planning. Based on the identified activities, individual workplans and budgets were developed to implement the activities in Phase 3. The country-specific activities, together with their workplans and budgets, were presented in a regional workshop to further discuss and agree on the activities and implementation schemes, and to finally conclude Phase 2. Phase 3 is focused on capacity building, national adaptation and demonstrations.

The Phase 2 national consultations on capacity-building needs identified that a regional train-the-trainer course would be the most effective way to start Phase 3. This training course - Regional Train-the-Trainer Course on Spatial Planning in the Coastal and Marine Zone in the EAS Region - was delivered in Phuket, Thailand on May 14-18, 2012 to national teams from the six countries. The course was organized to build the capacity of national teams in how to integrate emerging issues such as climate-change, sea-level rise adaptation and disaster risk-reduction, and modern management approaches such as ecosystem-based management, into their national spatial planning processes and regimes.

These national trainers were equipped with the necessary knowledge and skills to conduct similar training programs in their own countries and languages, with tailored course syllabi that the participants developed during the course. The objective is to strengthen the capacity of countries to plan and manage their coastal zones more sustainably at national, sub-national and local scales.

The next step is for the national teams of trainers to finalize their training course curricula and deliver national training courses in their respective countries and in their own languages. These national training courses will be delivered in late 2012/early 2013.

3. International Instructors

The UNEP/COBSEA Regional Train-the-Trainer Course on Spatial Planning in the Coastal and Marine Zone in the EAS Region was facilitated by a team of three internationally recognized trainers and experts in this field from Canada, France and Bangladesh. The UNEP/COBSEA

Coordination Team was invaluable in its organization, support and context-setting role, which ensured a well-organized, comfortable and congenial atmosphere for learning.

The Chief Trainer/Instructor for this train-the-trainer course was **Dr. Lawrence Hildebrand**, from Canada. Dr. Hildebrand has three-and-a-half decades of experience with the Canadian government and several international organizations in the fields of coastal and marine planning and management. Dr. Hildebrand has served as consultant to the three phases of this Sida-sponsored, UNEP/COBSEA project, having contributed to the drafting and finalization of the interim regional resource guide and participating in the consultation sessions on capacity-building needs in each country in late 2011. Dr. Hildebrand has degrees in marine biology and coastal zone management from Dalhousie University in Halifax, Canada and in coastal and marine management from Cardiff University in Wales.

Charles (“Bud”) Ehler is a leading global expert on marine spatial planning. Presently working as a consultant for UNESCO’s Intergovernmental Oceanographic Commission (IOC) in Paris, as well as other international and non-governmental organizations, Mr. Ehler brings a wealth of experience on the challenges to and effective approaches toward spatial planning in coastal and marine environments. Mr. Ehler’s distinguished career includes serving as a senior executive for the U.S. National Oceanic and Atmospheric Association (NOAA) and U.S. Environmental Protection Agency for 32 years. He has also taught regional planning and natural resources management and he was the Marine Vice-Chair of IUCN’s World Commission on Protected Areas.

Mr. Anisur Rahman is a Senior Project Manager and Land Use Planning Specialist with the Asian Disaster Preparedness Centre (ADPC) in Bangkok. He is a member of the Disaster Risk Assessment and Monitoring Team of ADPC and has been involved in National and City-level risk assessment projects in South and Southeast Asian countries. Prior to joining the ADPC, Mr. Rahman worked as an Urban Planner in the Rajshahi Development Authority and Local Government Engineering Department of the Government of the People’s Republic of Bangladesh. He has a Bachelors degree in Urban and Rural Planning from Khulna University in Bangladesh and a Masters in Urban Environmental Management from the Asian Institute of Technology in Thailand.

Together, the instructors and the UNEP/COBSEA Team led by Dr. Eirik Adler introduced the course participants to the project’s emerging issues and modern management approaches and how to incorporate these into national spatial planning regimes and processes.

4. Training Course Participants

A total of 34 participants, five-to-six from six East Asian countries from Cambodia, China, Indonesia, Philippines, Thailand and Vietnam participated actively in the five-day training course. The full list of participants is provided in Annex 9.1.

Course participants from each country had background and/or responsibilities directly related to spatial planning in the coastal and marine environment in their country. The participants were selected by their national governments for this train-the-trainer course

because they will be the core part of national training teams that will design and deliver subsequent training courses in their own countries.

5. Training Course Approach, Method and Agenda

The training course employed a combination of lectures with Power Points, Question & Answer sessions, group discussion, a one-day field trip and many opportunities for informal discussion and exchanges of experiences. The three international instructors and the UNEP/COBSEA Team worked closely with the course participants throughout the week to impart the essential training material, maximize understanding of the key concepts and to demonstrate effective teaching techniques. The detailed training course agenda, as delivered, is provided in Annex 9.2.

Each national team sat together throughout the course in the larger training room. This arrangement allowed for discussions within the national teams about the content being presented and how it related to their own national context and setting.

The national teams were guided through the steps to develop their own national training syllabi and each team produced, by the end of the week, a detailed course outline, schedule and assigned responsibilities for their own national training courses. While each country followed the same approach, they tailored the structure and content to best meet their specific needs.

6. Training Course Materials

In consultation with COBSEA, the training team led by the Chief Trainer/Instructor prepared a training syllabus which was packaged into a training manual complete with all the training course lectures and presentation materials, and distributed to the participants. The participants were also provided with USB drives that contain the electronic version of the materials and references that they can access and use in preparing materials for their national training courses.

Four key regional resource documents were also provided to the participants and used as reference training materials:

1. COBSEA Spatial Planning in the Coastal Zone of the East Asian Seas Region: Integrating Emerging Issues and Modern Management Approaches
2. UNEP Taking Steps Toward Marine and Coastal Ecosystem-Based Management – An Introductory Guide
3. UNESCO-IOC Marine Spatial Planning: A Step-by-Step Approach toward Ecosystem-based Management
4. Asian Disaster Preparedness Center (ADPC) Regional Training Manual on Disaster Risk Reduction for Coastal Zone Managers

7. Outputs and Outcomes of Training Course

The main outputs of the training course were: 1) A training package (manual) that will serve as the foundation for national training programs; 2) The establishment of six national teams of instructors that have the knowledge and capacity to design and conduct national training programs in their own countries and languages, with sufficient understanding of the emerging issues and modern management approaches related to coastal and marine spatial planning and sustainable development; and 3) Six national training syllabi which will be translated into local languages and used for national training courses. The context and draft training syllabi developed are provided in Annexes 9.3 – 9.8.

Following the training course, each national team will develop more detailed training curricula and schedules and undertake the planning of their national training courses. This approach will allow for both country-specific training and an expanding cadre of trainers and trainees that will understand and know how to integrate the emerging issues and modern management approaches into their national spatial planning regimes.

The key result of the regional training course is increased awareness and understanding among the six national training teams, of the key issues and modern management approaches that are advocated for effective coastal and marine spatial planning. These national trainers were equipped with the necessary knowledge and skills to design and conduct similar training programs in their own countries and languages, with tailored course syllabi that the participants developed during the course. The objective is to strengthen the capacity of countries to plan and manage their coastal zones more sustainably at national, sub-national and local scales.

8. Main Points of Agreement and Way Forward

The main focus of this regional train-the-trainer course was to provide the six national teams with a solid background in and functional awareness of a set of key issues and modern management approaches that can be incorporated into spatial planning regimes and processes in their own coastal and marine areas.

It was agreed that the most effective approach, going forward, is to continue to develop the depth of awareness and understanding of these issues and approaches through training courses developed and delivered in the respective countries. These national training courses will be delivered in the appropriate national languages and in locations that provide for demonstrating these concepts in real-life settings.

Resource materials including the guidance documents and manuals on ecosystem-based management, disaster-risk reduction, and coastal and marine spatial planning will also be translated to facilitate understanding and adoption of these important concepts.

Each national team was tasked with further developing the draft training syllabi they developed during the train-the-trainer course, into detailed curricula that spell out the more

specific content and approach for the national training efforts. These national training courses will be held in the respective countries during late 2012/early 2013.

9. Annexes

- 9.1 Training course participants
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Annex 9.1

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Annex 9.2

Regional Train-the-Trainer Course on Spatial Planning in the Coastal and Marine Zone of the EAS Region

Kantary Bay Hotel at Cape Panwa, Phuket, Thailand
14-18 May 2012

| Time | Activity |
|------------------------------------|--|
| Day 0, 13 May 2012, Sunday | |
| | Arrival of participants and guests |
| Day 1, 14 May 2012, Monday | |
| 08:00 – 09:00 | Registration - COBSEA Secretariat |
| 09:00 – 09:30 | Opening Ceremony - Statement from Dr. Elik Adler, Coordinator, COBSEA - Statement from Mr. Ola Moller, First Secretary, Embassy of Sweden |
| 09:30 – 10:00 | Introduction of instructors & participants - Dr. Lawrence Hildebrand, Chief Trainer/Instructor |
| 10:00 – 10:15 | <i>Coffee Break</i> |
| 10:15 – 10:45 | Course objectives, structure and outputs - Dr. Lawrence Hildebrand |
| 10:45 – 11:15 | Training expectations - All participants |
| 11:15 – 12:00 | Overview of the Spatial Planning Regional Resource Document - Dr. Lawrence Hildebrand |
| 12:00 – 13:30 | <i>Lunch Break</i> |
| 13:30 – 14:30 | Understanding risk in coastal areas - Mr. Anisur Rahman, Asian Disaster Preparedness Center (ADPC), Bangkok |
| 14:30 – 15:30 | Integrating risk-related concerns in spatial planning - Mr. Anisur Rahman |
| 15:30 – 15:45 | <i>Coffee Break</i> |
| 15:45 – 17:45 | Coastal and Marine Spatial Planning –Steps of the Process and Examples of Practice - Mr. Charles Ehler, Marine Spatial Planning Initiative, Intergovernmental Oceanographic Commission, UNESCO, Paris |
| 18:30 – 21:00 | Dinner Reception |
| Day 2, 15 May 2012, Tuesday | |
| 08:30 – 09:00 | Questions/Concerns and Summary from Day 1 - Dr. Lawrence Hildebrand |
| 09:00 – 10:15 | Mainstreaming Disaster Risk Reduction |

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| | - Mr. Anisur Rahman |
| 10:15 – 10:30 | <i>Coffee Break</i> |
| 10:30 – 12:00 | Risk Assessment and Mainstreaming Exercise - Mr. Anisur Rahman |
| 12:00 – 13:30 | <i>Lunch Break</i> |
| 13:30 – 14:30 | Implementation challenges - Mr. Charles Ehler - Mr. Anisur Rahman |
| 14:30 – 15:30 | Discussion – Challenges / Needs in your country - National groups |
| 15:30 – 15:45 | <i>Coffee Break</i> |
| 15:45 – 16:00 | Instructions for training needs and approaches - Dr. Lawrence Hildebrand |
| 16:00 – 16:30 | Briefing for field trip - COBSEA Secretariat and Thailand National Coordinator |
| Day 3, 16 May 2012, Wednesday – Field Trip | |
| 07:45 – 08:00 | Assembly – Lobby of Kantary Bay Hotel |
| 08:00 – 10:30 | Depart for Nai Yang Beach, North of Phuket |
| 10:30 – 12:30 | Depart for Yamu and Marina, East of Phuket |
| 12:30 – 14:00 | Lunch Break – Yamu Seafood Restaurant |
| 14:00 – 17:00 | Depart for West coast of Phuket |
| 17:00 – 18:00 | Depart for Kantary Bay Hotel |
| Day 4, 17 May 2012, Thursday | |
| 08:30 – 09:15 | De-brief field trip-what did we see and what did we learn? - Mr. Charles Ehler / Dr. Lawrence Hildebrand |
| 09:15 – 10:15 | Preparing for planning - Mr. Charles Ehler |
| 10:15 – 10:30 | <i>Coffee Break</i> |
| 10:30 – 11:30 | Assessing the current situation/where are we now? - Mr. Charles Ehler |
| 11:30 – 12:30 | Drafting the spatial plan/how do we get there? Negotiating approval of the plan; implementing the plan; Monitoring and evaluation - Mr. Charles Ehler |
| 12:30 – 13:30 | <i>Lunch Break</i> |
| 13:30 – 13:40 | Ecosystem-based Management - Dr. Elik Adler |
| 13:40 – 14:00 | Expectations evaluation by national teams - Dr. Lawrence Hildebrand - National groups |
| 14:00 – 14:30 | Continuation: Training needs and approaches, course report and template - Dr. Lawrence Hildebrand |
| 14:30 – 15:30 | Roundtable discussion of training needs and approaches - National groups |

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| 15:30 – 15:45 | <i>Coffee Break</i> |
| 15:45 – 16:15 | Instructions for preparing national training syllabi and curriculum - Dr. Lawrence Hildebrand - Mr. Charles Ehler |
| 16:15 – 18:00 | Begin Developing National Training Syllabi and Curriculum (break-out groups by national teams) - National groups |
| Day 5, 18 May 2012, Friday | |
| 08:30 – 09:00 | Presentation of revised training course report template - Dr. Lawrence Hildebrand |
| 09:00 – 10:15 | Presentation, review and discussions on proposed national training syllabi and curriculum by national teams - National groups |
| 10:15 – 10:30 | <i>Coffee Break</i> |
| 10:30 – 12:00 | Continuation: Presentation, review and discussions on proposed national training syllabi and curriculum by national teams - National groups |
| 12:00 – 13:30 | <i>Lunch Break</i> |
| 13:30 – 14:00 | Implementation Challenges; Assistance required with National Training; Next Steps/Timing - Dr. Lawrence Hildebrand - Dr. Elik Adler |
| 14:00 – 14:15 | Presentation of training expectations evaluation results - Dr. Lawrence Hildebrand |
| 14:15 – 14:30 | Reactions from Organizers, Instructors and Participants - Dr. Elik Adler - Dr. Lawrence Hildebrand - Dr. ArioDamar, Indonesia National Coordinator |
| 14:30 – 15:30 | Presentation of Certificates - Dr. Lawrence Hildebrand - Dr. Elik Adler |
| 15:30 – 15:45 | <i>Coffee Break</i> |
| 15:45 – 16:00 | Closing ceremony - Statement from Dr. Elik Adler |
| Day 6, 19 May 2012, Saturday | |
| | Depart for Phuket Airport |

| CAMBODIA |
|--|
| Project Focal Point and National Coordinator: |
| Mr. Koch Savath, Deputy Technical Director General, Ministry of Environment |
| National Team Members: |
| <ul style="list-style-type: none"> • Dr. MengBunnarith, Director of Land Management Department, Ministry of Land Management, Urban Planning, and Construction; • Mr. SuyThea, Director of Kompot Environmental Department; • Mr. Hak Mao, National Coastal Expert, Chief of Vulnerability and Adaptation Assessment Office; • Mr. PrakVisal, Vice Chief of Provincial Hall, Sihanoukville Province; • Mr. ChhunSeiha, Vice Chief of Vulnerability and Adaptation Assessment Office, Ministry of Environment; and • Mr. Ly Ratana, Lecturer at SvayRieng University |
| National Challenges in Coastal Spatial Planning: |
| <p>There are a number of challenges for coastal zone development, management, and conservation in Cambodia. They include:</p> <ul style="list-style-type: none"> • Insufficient Financial Support and Management: Financial support for coastal management implementation has come from different sources of donors. Cambodia's economic development project relies mainly on the external financial support through development partners and other donor nations. • Limited Specific Legal Framework: Cambodia is lacking regulations, equipment, and trained personnel to effectively monitor and control coastal and ocean sustainable development activities. There are many laws and regulations, Royal Decrees and Sub-Decrees, but no specific legal framework on marine and coastal sustainable development has been developed. • Institutional Issues and Staff Capacity: The limited number of qualified professional civil servants and their low commitment is a barrier to the development and implementation of government policies. In general, the provincial departments' staffs have limited capacity and knowledge about both legal and technical aspects of implementation of coastal and marine natural resources and environmental management programs. • Limited Public Awareness and Participation: Many problems related to public awareness and participation could be addressed and actions to strengthen laws requiring that the public be informed and engaged. This would also include monitoring and research to evaluate and address the serious lack of technical capacity among government staff and minimal resources to prepare and disseminate information. |
| Main National Needs: |
| <ul style="list-style-type: none"> • Building the capacity of Government officers (both national and sub-national levels), Civil Societies, Research Institutes, Academia and Local Communities in the coastal areas; • Sharing knowledge and experience on coastal spatial planning to relevant stakeholders; • Improving existing capacity for coastal zone management of the local authorities and communities; • Improving coordination among the key stakeholders for coastal zone management and development; and |

- **Mainstreaming good practices for coastal spatial planning and integrated coastal zone management from other countries into Cambodia's circumstances.**

Major & Specific Objectives of National Training Course:

- Introduce the basic concepts and terminologies of coastal and marine spatial planning, coastal emerging issues, climate change, and disaster-risk reduction to both Government and Non-governmental officers, and other key stakeholders
- Introduce and share knowledge of management approaches for coastal and marine spatial planning to address the emerging issues in the coast;
- Introduce and build capacity on new approaches for coastal and marine spatial planning management to different stakeholders especially senior management levels and practitioners;
- Introduce holistic approaches for coastal zone management and development in Cambodia by sharing best practices from other countries especially countries with similar geography and economic development; and
- Enhance coordination, cooperation, and dialogue among Governments, Civil Societies, Research Institutes, Academia and Local Communities to ensure sustainable coastal management and conservation.

Training Approach:

Type of Training:

- Human resource development and awareness raising;
- Institutional capacity enhancement;
- Resource mobilization and management approaches; and
- Regulatory and Policy framework (existing spatial planning policy, circular on spatial planning and integrated coastal management and development, as well as introduce new management approaches) and technical improvement.

Trainees:

The trainees will be both national and sub-national officers and authorities especially from coastal provinces. In addition, this training will bring together some research institutes, academia, and NGOs. The following are the expected institutions to be invited:

- Ministry of Environment (MOE)
- Ministry Land Management Urban Planning and Construction (MLMUPC)
- Ministry of Interior (MoI)
- Ministry of Public Works and Transportation (MPWT)
- Council for Development of Cambodia (CDC)
- Ministry of Agriculture, Forestry and Fisheries (MAFF)
- Ministry of Rural Development (MRD)
- Ministry of Information (MoInf.)
- Ministry of Education, Youth and Sports (MEYS)
- Ministry of Tourism (MoT)
- Four Coastal Provinces: Kompot, Koh Kong, Sihanoukville, and Kep (Provincial Authorities and Departments)
- General Secretariat of Cambodia's Coastal Management and Development
- Coastal Communities (Head of Communities from respective provinces)
- NGOs (IUCN, World-fish, WCS, FACT)
- Universities (Royal University of Agriculture, Phnom Penh Royal University and

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|---|
| <p>PanasastraUniversity)</p> <ul style="list-style-type: none"> • Research Institutes (CDRI, CARDI) |
| <h3>Resource Materials to be used:</h3> |
| <ul style="list-style-type: none"> • Training and Capacity Building for Coastal Spatial Planning in the East Asian Seas Region (English) • Regional Programme for the Sustainable and Ecosystem-Based Management of Coastal Erosion in the East Asian Seas Region (English) • Spatial Planning in the Coastal Zone of the East Asian Seas Region: Integrating Emerging Issues and Modern Management Approaches (Khmer/English) • Marine Spatial Planning: A Step-by Step Approach towards EBM (English) • Regional Training Manual on Disaster Risk Reduction for Coastal Zone Managers (English) • National Coastal Zone Management and Conservation (Khmer and English) • National shore line management strategy (Khmer and English) • State of Coastal Zone Management in Cambodia (Khmer and English) • Draft National Coastal Zone Management Strategy (Khmer and English) • Land Policy and Land Law (English) • National Spatial Planning Policy/Circular (Khmer and English) • The Study on National Integrated Strategy of Coastal Area and Master Plan of Sihanouk-Ville for Sustainable Development National Integrated Strategy for Coastal Area (English) • Coastal Land Use Zoning (Sihanoukville, IUCN) (English) • Disaster Risk Management Strategy (Khmer and English) |
| <h3>National Training Materials:</h3> |
| <p>The expected training materials for the training include:</p> <ul style="list-style-type: none"> – National Coastal Zone Management and Conservation – National shore line management – State of Coastal Zone of Cambodia – Draft National coastal zone strategy (Including: Ecosystem based management) – Land policy and Land law – National Policy on Spatial Planning policy/Circular on Cambodia’s Coastal Management and Development – The Study on National Integrated Strategy of Coastal Area and Master Plan of Sihanouk-Ville for Sustainable Development National Integrated Strategy For Coastal Area – General coastal spatial planning (Resources from train-the-trainer) – Coastal land use zoning (Sihanoukville, IUCN) – Disaster risk management strategy – Related National climate change policy and strategic plan – Vulnerability Assessment in the coastal provinces (from Second National Communication for UNFCCC) |
| <h3>Material to be translated into National Language:</h3> |
| <p>“Integrating Emerging Issues and Modern Management Approaches for Coastal Spatial Planning in Cambodia”</p> |
| <h3>Venue for National Training Course:</h3> |
| <p>The venue will be in <i>Kompot</i> province (the coastal province)</p> |
| <h3>Expected Outcomes of National Training Course:</h3> |
| <p>The training will provide significant outcomes as follows:</p> |

- The trainees will have learned more on coastal spatial planning concepts and terminologies;
- Better understand on coastal spatial planning management approaches and methodologies and be able to apply in respective provinces;
- Improve and build coordinating mechanism among key participants for future cooperation;
- Build more confidence in developing strategies and management approaches for coastal zones and spatial planning to address emerging issues and concerns.

National Follow-up Needs, Activities and Recommendations after the Training Course:

The training approach can be integrated into the sub-national level. To ensure the tangible outcome, the respective provinces are encouraged to organize similar training. However, to do so, technical and financial support is very much needed. The national level will provide technical support while the finances can be requested from the donors or a proposal can be made to the NGOs which are implementing projects in the coastal provinces, for instance IUCN is working on building climate change resilience for South East Asia in Koh Kong province. In addition, PEMSEA is supporting activities in Sihanoukville, thus the consideration can be made to increase the scale for the other coastal provinces for capacity building and awareness raising to address disaster impact.

The follow-up training will focus more on the sub-national level, including local authorities and communities, local NGOs and Schools. The Provincial Environment Department, in line with involved departments, will take the lead.

Timing and Planning:

| TASK | TARGET DATE | RESPONSIBLE PARTY |
|---|------------------|--|
| a) Finalize syllabus and secure approval | 16 July 2012 | National Focal Point and National Expert |
| b) Further develop into formal curriculum | 31 August 2012 | National Expert |
| c) Identify and secure instructors | June-August 2012 | National Coordinator and National Expert |
| d) Set course date | 16 July 2012 | National Coordinator/ National Focal Point and National Expert |
| e) Book facilities | 01 Oct 2012 | National Coordinator and National Expert |
| f) Invite participants | 17 Sept 2012 | National Coordinator and National Expert |
| g) Conduct the training course | 1-4 October 2012 | National Coordinator/ National Focal Point and National Expert |
| h) Finalize and submit course report | 01 Feb 2013 | National Coordinator/ National Focal Point and National Expert |

National Training Syllabus:

The Cambodian training course is expected to span three days with active participation from both national and local authorities and stakeholders. The detailed agenda is outlined below.

| Time | Topic | Speakers ¹ | Coordinator |
|--------------|--|--|--|
| <i>Day 0</i> | <i>Travel from Phnom Penh and other 3 coastal provinces to Kompot</i> | | |
| <i>Day 1</i> | <i>Technical Session/Management Approaches</i> | | |
| 8.00-9.00 | Opening session: - Welcome remarks by Deputy Governor - Opening Remarks by Secretary of State (Vice Minister) | <ul style="list-style-type: none"> H.E. Saut Yea, Kompot Deputy Governor H.E. Khong Sam Nuon, Secretary of State, MoE | Mr. Koch Savath, Deputy Technical Director General, National Focal Point |
| 9.00-17.00 | <p>F Introduction to the course, objective and expected output- why do we need spatial planning?</p> <p>F Technical session: Existing doc and national implementation of spatial planning</p> <ul style="list-style-type: none"> Understanding the coast: Shoreline, Intercontinental shelf, EEZ, High Sea Terminology related to coastal spatial planning- coastal zone, coastal area, sea grass, integrated coastal management, spatial planning, coastal land use zoning, ecosystem based/ community based management, disaster, risk, hazard, vulnerability Brief history of establishment of Protected Areas <p>F National survey on climate change impact and sea level rise in the coast</p> <p>F Overview of Disaster risk impact and management</p> <p>F State of Coastal Accident and Management (Oil spill, dumping, illegal fishing, cargo management, piracy) /Port Management</p> <p><i>Q/A +Group discussion</i></p> | <ul style="list-style-type: none"> Dr. MengBunnarith, Director of Department Mr. MakSidet, Director of Department, Ministry of Public Works and Transportation Mr. Soth Kim Kolmony, Deputy Director , NCDM/Department of Preparedness and Training), National Disaster Management Committee Mr. SuyThea, Director of Environment Department, Kompot Province Mr. Hak Mao, National Coastal Expert, Chief of Vulnerability and Adaptation Assessment Office; Mr. PrakVisal, Vice Chief of Provincial Hall, Sihanoukville Province; Mr. ChhunSeiha, Vice Chief of Vulnerability and Adaptation Assessment Office; and Mr. Ly Ratana, Lecturer at SvayRieng University | Mr. Koch Savath, Deputy Technical Director General, National Focal Point |
| <i>Day 2</i> | <i>Introduction to Coastal Research Findings and Management Experiences</i> | | |

¹ Each speaker will provide detailed background when the curriculum developed

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|--------------|---|--|--|
| 8.00-17.00 | <p>F Summarize day 1</p> <p>F Vulnerability assessment at the coastal areas/understanding risk in coastal area (IUCN/UNDP)</p> <p>F Marine and coastal biodiversity management</p> <p>F State of sea grass and coral reef management</p> <p>F Participatory natural resource management in the coast</p> <p>Ecosystem/community based management</p> <p>F State of coastal zone management in Cambodia/climate change adaptation in the coastal zone</p> <p>F Overall waste (liquid and solid) impact and management in the coastal areas)</p> <ul style="list-style-type: none"> o Case study:Kompot/Sihanoukville <p>F Eco-tourism development strategy in the coastal zone</p> <p>Sustainable development strategy for the sea of east Asia for Cambodia</p> <p><i>Q/A+ Group discussion</i></p> | <ul style="list-style-type: none"> • Dr. Pen Sophal, Secretary General, General Secretariat of Cambodia’s Coastal Management and Development • H.E. Neb Samouth, Deputy Secretary General, General Secretariat of Cambodia’s Coastal Management and Development • Dr. Van Mony Neath, Deputy Director General • Mr. Kim Nong, Deputy Director General • Dr. MengBunnarith, Director of Land Management Department • Mr. Bou Chan Serey, Deputy Director, Ministry of Tourism • Mr. SuyThea, Director of Environmental Department, Kompot • Mr. Hak Mao, National Coastal Expert • Mr. Ly Ratana, Lecturer • Mr. Kong Kim Sreng, National Coordinator, IUCN | Mr. Koch Savath, Deputy Technical Director General, National Focal Point |
| Day 3 | <i>Management Concept and Approaches/ National regulations/Policy/Strategy and Conflict Resolution Management in the coastal areas</i> | | |
| 8.00-17.00 | <p>F Summarize day 2</p> <p>F Environmental Impact Assessment for Coastal Development (Concept of EIA)</p> <p>F Spatial planning policy/circular in Cambodia+ general information from Phuket training (spatial planning concept)</p> <p>F Coastal zoning in Sihanouk</p> <p>F Coastal spatial planning management and challenges/Conflict (Institutional</p> | <ul style="list-style-type: none"> • Dr. Pen Sophal, Secretary General, General Secretariat of Cambodia’s Coastal Management and Development • H.E. Neb Samouth, Deputy Secretary General, General Secretariat of Cambodia’s Coastal Management and | Mr. Koch Savath, Deputy Technical Director General, National Focal Point |

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| | <p>arrangement such as national coastal committee, land dispute resolving committee, etc.)</p> <p><i>Q/A +Group discussion</i></p> <p>Wrap up/Conclusion Certification (if any)</p> | <p>Development</p> <ul style="list-style-type: none"> • Mr. Koch Savath, Deputy Technical Director General, National Focal Point • Dr. MengBunnarith, Director of Land Management Department • Mr. DuoungSamkeat, Deputy Director, Environmental Impact Assessment Dept. • Mr. SuyThea, Director of Environmental Department, Kompot • Mr. Hak Mao, National Coastal Expert • Mr. Chin Sothun, Vice Chief of Office, Dept of Pollution Control) • Mr. PrakVisal • Mr. ChhunSeiha • Mr. Ly Ratana, Lecturer | |
| <i>Day 4</i> | <i>Depart for Phnom Penh</i> | | |

CHINA

Project Focal Point and National Coordinator:

Project Focal Point: Li Yi, Director, Division of Marine Environmental Protection, Department of Pollution Prevention, Ministry of Environment Protection

National Coordinator: Prof. GuoZhenren, South China Institute of Environmental Sciences, Ministry of Environment Protection

National Team Members:

- Prof. GuoZhenren, South China Institute of Environmental Sciences, Ministry of Environment Protection
- Dr. Yu Xijun, South China Institute of Environmental Sciences, Ministry of Environment Protection
- Prof. Fang Yu, Shenzhen Branch, China Academy of Urban Planning & Design (CAUPD), Ministry of Housing and Construction.
- Dr. Lou Quanshen, South China Sea Marine Engineering and Environment Institute, South China Sea Branch of State Oceanography Administration
- Dr. Chen Qinghua, South China Institute of Environmental Sciences, Ministry of Environment Protection
- **Dr. Deng Yixiang, Chinese Research Academy of Environmental Sciences (CRAES) (Absent for this training course, will involve in the following tasks)**

National Challenges in Coastal Spatial Planning:

- Lack of corresponding laws or regulations to integrate coastal zone management
- No comprehensive plan to cover both land and sea areas in the coastal zone
- **Emerging issues and modern management approaches are seldom considered in planning system**

Main National Needs:

- Integrating emerging issues and modern management approaches into coastal spatial planning
- **Improving integrated management in coastal zone.**

Major & Specific Objectives of National Training Course:

- Overall objective: Allowing relevant government officials and planning professionals to gain consciousness of integrating emerging issues and modern approaches in coastal spatial planning and management.
- Specific: 1) Train more than 40 participants, including 7 officials from departments of central government, such as National Development and Reform Commission; Ministry of Environmental Protection, Ministry of Land and Resources-Department of Planning; Ministry of Housing and Urban-Rural Development, State Oceanic Administration, State Forestry Administration; 2 officials from each province (total 22); 11 professional planners. 2) Edit and publish a National Resource Document.

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| Training Approach: |
| Type of Training: |
| <ul style="list-style-type: none"> • Lecture and co-lecture: let the trainees understand the innovative approaches in coastal and marine spatial planning and make the course interesting. • Field survey: let the trainee obtain the lessons from coastal zone management, in terms of both good and bad cases. |
| Trainees: |
| <ul style="list-style-type: none"> • Officials at central and provincial level: Powerful players in the Chinese political system have strong impact in the planning process. • Planning professionals: From main planning drafting organizations. • We will identify the specific trainees with the help of MEP and consider trainee distribution among provinces and government ministries. |
| Resource Materials to be used: |
| Materials related to emerging issues, such as ecosystem-based management approach, disaster-risk reduction, sea-level rise, climate change adaptation, integration of land and sea planning. |
| National Training Materials: |
| <p>The following documents will be used as the main resource materials in the training course.</p> <ul style="list-style-type: none"> • COBSEA Spatial Planning Regional Resource Document, • UNEP Marine and Coastal Ecosystem Based Management Guide • ADPC Disaster Risk Reduction for Coastal Zone Managers Manual • Others: Materials and guidelines related to planning and coastal zone management in China. • We will reorganize above resources into a national training resource document which contents are listed below: <p>Spatial Planning and Integrated Management of Coastal Zone—dealing emerging issues with modern approaches</p> <p>Part 1 Introduction</p> <ol style="list-style-type: none"> 1. Spatial planning in China and relative authorities 2. Integrated management of coastal zone 3. Spatial planning of coastal zone <p>Part 2 Coastal zone and its functions and services</p> <ol style="list-style-type: none"> 2.1 Coastal zone and its development in China 2.2 Coastal zone as land 2.3 Coastal zone as sea 2.4 Coastal zone as connection between land and sea 2.5 Special habitats in coastal zone 2.6 Coastal zone and rivers emptying into the sea 2.7 Hazards and risks facing coastal zone <p>Part 3 Zoning of marine and coastal waters</p> <ol style="list-style-type: none"> 3.1 Marine spatial planning |

3.2 Zoning of coastal waters

Part 4 Contents and steps of coastal spatial planning

4.1 Contents of coastal spatial planning

4.2 Paradigm of coastal spatial planning

4.3 Preparation for coastal spatial planning

4.4 Assessment of current situation

4.5 Drafting the spatial plan

4.6 Public awareness and approval

4.7 Implementation program

Part 5 Coastal spatial planning and modern management approaches

5.1 Hazards and risk management and coastal spatial planning

5.2 Climate change and coastal spatial planning

5.3 Ecosystem-based management in the coastal environment

5.4 Comprehensive spatial planning for land and sea

Part 6 Techniques for coastal spatial planning

6.1 Items to check and include

6.2 Coastal resource mapping

6.3 Valuation assessment of ecosystem services

6.4 Hazards and risk assessment

6.5 Division of coast into "cells"

6.6 Selecting special strategies for shoreline cells

6.7 Combining sea and land uses in one plan

6.8 Working with stakeholders

6.9 Coastal setbacks

6.10 Recommendations for organizing the documentation

Part 7 Implementation monitoring and evaluation of coastal spatial planning

7.1 Performance monitoring

7.2 Assessment of outcomes and effects

7.2 Review and Revision of Plan

Material to be translated into National Language:

Material to be translated and adapted to national language:

- COBSEA Spatial Planning Regional Resource Document,
- UNEP Marine and Coastal Ecosystem Based Management Guide
- **ADPC Disaster Risk Reduction for Coastal Zone Managers Manual**

Venue for National Training Course:

Boao, Hainan Province. A beautiful conference and tourism site without many crowded tourists.

Expected Outcomes of National Training Course:

The training will provide significant outcomes as follows:

- The course participants will understand how to integrate the emerging issues and modern management approaches into planning processes, including CMSP, including ecosystem-based management, disaster-risk reduction, climate-change adaptation, and results-based management.

- The achievement of these objectives will be assessed by the degree to which the respective plans integrate and enforce land-sea integration.

National Follow-up Needs, Activities and Recommendations after the Training Course:

- To have a platform that can share experiences among participating countries
- To provide more documents related to the integration of land and sea planning

Timing and Planning:

| TASK | TARGET DATE | RESPONSIBLE PARTY |
|---|-----------------------|-------------------|
| i) Finalize syllabus and secure approval | July 2012 | SCIES&MEP |
| j) Further develop into formal curriculum | July 2012 | SCIES |
| k) Identify and secure instructors | May 2012 | SCIES&MEP |
| l) Set course date | July 2012 | SCIES&MEP |
| m) Book facilities | August 2012 | SCIES |
| n) Invite participants | August 2102 | MEP&SCIES |
| o) Conduct the training course | October-November 2012 | SCIES |
| p) Finalize and submit course report | February-March 2012 | SCIES |

Note: SCIES-South China Institute of Environmental Sciences, Ministry of Environment Protection; MEP: Ministry of Environment Protection

National Training Syllabus:

The Chinese training course is expected to span three days with active participation from both national and local authorities and stakeholders. The detailed agenda is outlined below.

| Time | Activity |
|--|--------------------------------------|
| Day 0, 30 October 2012, Tuesday | |
| | Arrival of participants and guests |
| Day 1, 1 November 2012, Wednesday | |
| 08:00 – 09:00 | Registration - Course Secretariat |

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|---------------------------------------|---|
| 09:00 – 09:30 | Opening Ceremony - Statement from Mr. Ling Jiang, Deputy Director General, Department of Pollution Prevention, MEP - Statement from Mr. Zhang Xinfang, Chief Engineer, Bureau of Land, Resource and Environment |
| 09:30 – 10:00 | Introduction of instructors & participants - Prof. GuoZhenren, Chief Trainer/Instructor |
| 10:00 – 10:15 | <i>Coffee Break</i> |
| 10:15 – 10:35 | Course objectives, structure and outputs - Prof. GuoZhenren |
| 10:35 – 11:15 | Spatial planning in China and relative authorities - Prof. Fang Yu, Dr. Yu Xijun, Prof. Guo |
| 11:15 – 12:00 | Concepts and needs for coastal spatial planning and integrated management - Dr. YuXijun, Prof. GuoZhenren, Prof. Fang Yu |
| 12:00 – 14:30 | <i>Lunch Break</i> |
| 14:30 – 16:00 | Coastal zone and its functions and services - Dr. Yu Xijun, Prof. GuoZhenren, Dr. Lou Quansheng |
| 16:00 – 16:15 | <i>Coffee Break</i> |
| 16:15 – 17:05 | Special habitats in coastal zone/Coastal zone and rivers emptying into the sea - Prof. GuoZhenren, Dr. Yu Xijun, Dr. Lou Quansheng |
| 17:05 – 18:00 | Mainstreaming Disaster Risk Reduction Coastal and Marine Spatial Planning - Mr. Lou Quansheng, Prof. GuoZhenren |
| 18:30 – 21:00 | Dinner Reception |
| Day 2, 2November 2012, Thesday | |
| 08:30 – 08:45 | Questions/Concerns from Day 1 and Day 2 - Prof. GuoZhenren |
| 08:45 – 09:00 | Marine Spetial Planning - Dr. Lou Quansheng, Dr. Yu Xijun, Prof. GuoZhenren |
| 09:00 - 09:15 | Environmental function zoning innear coastal waters - Dr. Yu Xijun, Dr. Lou Quansheng, Prof. GuoZhenren |
| 09:15 – 10:15 | Contents and steps of coastal spatial planning Prof. Fang Yu, Prof. GuoZhenren, Dr. Yu Xijun |
| 10:15 – 10:30 | <i>Coffee Break</i> |
| 10:30 – 11:00 | Climate change and coastal spatial planning - Dr. Chen Qinghua, Prof. GuoZhenren, Dr. Lou Quansheng |
| 11:00 – 12:00 | Ecosystem-based management in the coastal environment/ Comprehensive spatial planning for land and sea - Prof. GuoZhenren, Dr. Chen Qinghua, Dr Lou Quansheng |
| 12:00 – 14:30 | <i>Lunch Break</i> |
| 14:30 – 15:15 | Techniques for coastal spatial planning - Prof. Fang Yu, Prof. Guo Zhenren, Dr. Deng Yixiang |
| 15:15 – 15:40 | Valuation assessment of ecosystem services - Dr. Chen Qinghua, Prof. Guo Zhenren, Dr. Den Yixiang |

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| 15:40 – 16:15 | Division of coast into "cell"/ Selecting special strategies for shoreline cells Dr. Deng Yixiang, Prof. GuoZhenren, Prof. Fang Yu |
| 16:15 – 16:30 | <i>Coffee Break</i> |
| 16:30 – 17:15 | Monitoring implementation of coastal spatial planning - Dr. Deng Yixiang, Dr. Yu Xijun, Prf. GuoZhenren |
| 17:15 – 18:00 | Discussion: Challenges from implementation and monitoring - Prof. GuoZhenren, Dr. Deng Yixiang, Dr. Yu Xijun, Prof. Fang Yu |
| Day 3, 3 November 2012, Friday – Field Trip | |
| 08: – 08:30 | Assembly – Lobby of Hotel |
| 08:30 – 10:30 | Depart for |
| 10:30 – 12:30 | Depart for |
| 12:30 – 14:00 | Lunch Break – |
| 14:00 – 16:00 | Depart for |
| 16:00 – 17:00 | Depart for Hotel |
| 18:00 – 18:30 | Presentation of Certificates Mr. Tong Yu, Director, Division of Marine Environmental Protection, Department of Pollution Orevention, MEP |
| 18:30 – 21:00 | Closing ceremony, Banquet |
| Day 4, 4 November 2012, Saturday | |
| | Depart for Sanya Airport |

| INDONESIA |
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| Project Focal Point and National Coordinator: |
| Project Focal Point: Mr. HeruWaluyo, Ministry of Environment National Coordinator: Dr. ArioDamar (as appointed by COBSEA and The Indonesian Ministry of the Environment) |
| National Team Members: |
| <ul style="list-style-type: none"> • Benny Bastiawan (Ministry of the Environment) • ZulkarnainDaulay (Ministry of the Environment) • KartikaListriana (Ministry of Marine Affairs and Fisheries) • Firstalsmet (Ministry of Public Works) • YusRustandi (CCMRS Bogor Agricultural University) • ArioDamar (CCMRS Bogor Agricultural University) |
| National Challenges in Coastal Spatial Planning: |
| <p>The main challenges in Indonesia related to the implementation of coastal and marine spatial planning can be divided into 3 major issues:</p> <ol style="list-style-type: none"> 1. Contents/Substantial <ul style="list-style-type: none"> • Lack of ecological knowledge among government officials • Difficulties in applying socio-economic knowledge 2. Management/ImplementationofSpatialPlanning <ul style="list-style-type: none"> • Overlapping authorities • Lack of Inter-governmental/inter-sectoral coordination in order to develop agreements/consensus • Overlap in boundaries and jurisdiction for coastal, marine and terrestrial areas 3. Political <ul style="list-style-type: none"> • local government interests versus central government • mismatch of planning and political time scales |
| Main National Needs: |
| <ul style="list-style-type: none"> • Improvement of ecological knowledge of the government officials • Better application of social economic knowledge for Coastal and Marine Spatial Planning • Clear authorities' roles and responsibility • Clear boundaries and jurisdiction for coastal, marine and spatial plans • Better coordination among governmental agencies in order to finalize consensus and agreements • internal planning and legislative processes |
| Major & Specific Objectives of National Training Course: |
| <p>The objectives of this CMSP training are:</p> <ul style="list-style-type: none"> • To improve the understanding in the basic principles and approaches of coastal and marine spatial |

planning among the government officials.

- To improve understanding of the emerging issues and management approaches into Coastal and Marine Spatial Planning, such as: ecosystem-based management, disaster-risk reduction, climate-change adaptation and results-based management among the governmental officials
- To improve understanding of the new approaches in planning processes (Coastal and Marine Spatial Planning) among the government officials
- To improve the awareness of governmental officials about effective coordination and cooperation among different governmental agencies.

Training Approach:

Type of Training:

Coastal and Marine Spatial Training in Indonesia will emphasize two main aspects:

- Training On Organizational Development Training
- Training On Institutional and Legal Framework Development

Trainees:

The main people targeted for this training will be government officers. Since most problems faced in Indonesia are in coordination among governmental agencies, hence the understanding of each governmental agency towards cooperation and coordination is becoming the most crucial things to be developed. Persons from each agency composing higher-level management officials and middle management officials are the main target of this training. The agencies invited for the training are as follows:

- Ministry of Environment
- Ministry of Public Works
- Ministry of Internal Affairs
- Ministry of Marine Affairs and Fisheries
- Ministry of Forestry
- Ministry of Energy and Natural Resources
- Ministry of Agriculture
- Ministry of Education
- Ministry of Transportation
- Ministry of Tourism and Culture
- Ministry of Economic Coordination

Resource Materials to be used:

Training materials for this CMSP are as follows:

- Coastal and Marine Spatial Planning
- Coastal And Marine Ecosystem-based Management
- Integrated Coastal Management
- Social Economic Condition of Coastal and Marine Area
- Disaster and Risk Reduction
- Climate Change Adaptation
- Conflict Management and Resolution

- Institutional Arrangement and Coordination
- Financial Arrangement
- Result based Management
- Monitoring And Evaluation.

National Training Materials:

As above.

Material to be translated into National Language:

The resource document for this training are:

- Spatial Planning in the Coastal Zone of the East Asian Seas Region: Integrating Emerging Issues and Modern Management Approaches (Bahasa Indonesia)
- Marine Spatial Planning : A Step-by Step Approach towards EBM (English)
- Regional Training Manual on Disaster Risk Reduction for Coastal Zone Managers (English)
- Coastal Zone Management (Bahasa Indonesia)
- Guidelines for Formulation of Spatial Planning for Province and District (Bahasa)

Venue for National Training Course:

The training will be conducted in a hotel in a coastal area where trainees will be able to have a real description about the coastal and marine environment. The site selected will also have a real example of specific ecosystem-based coastal management. The candidate for the training venue is in Lombok, Nusa Tenggara. However, the venue will much depend on the financial availability. The alternative venue for this training course is in Thousand Islands, Jakarta.

Expected Outcomes of National Training Course:

The training will provide significant outcomes as follows:

- The participants will have a better understanding in the basic principles and approaches of coastal and marine spatial planning.
- The participants will have a better understanding of integrating the emerging issues and management approaches into Coastal and Marine Spatial Planning, such as: ecosystem-based management, disaster-risk reduction, climate-change adaptation and results-based management.
- The participants will understand the new approach in planning process (Coastal and Marine Spatial Planning).
- Better coordination among governmental agencies in implementing CMSP in Indonesia

National Follow-up Needs, Activities and Recommendations after the Training Course:

It is also planned to conduct another coastal and marine spatial planning training course, as follow up of the 2012 Indonesian national training course. The training most needed is at the level of provincial government and districts/municipalities level.

It is very important since the knowledge and capabilities in setting up coastal and marine spatial planning will not be sufficient only at the level of central government officials. Human resources in the provincial and district/municipalities should be trained since they play at the front line of the

implementation of coastal and marine spatial planning.

The monitoring and evaluation will be conducted to assess the impacts of the training to ensure the successful transfer of knowledge done during the training.

It is also suggested that we develop a standardized training design for spatial planning within 6 Phuket's participants' countries.

Timing and Planning:

| TASK | TARGET DATE | RESPONSIBLE PARTY |
|--|----------------------|--|
| Finalize syllabus and secure approval | August, 2012 | Ministry of the Environment/CCMRS IPB |
| Further develop into formal curriculum | September, 2012 | Ministry of the Environment/CCMRS IPB |
| Identify and secure instructor | July-September, 2012 | CCMRS IPB, Min. of Env, Min. of Marine and Fisheries Affair, Min. of Public Work |
| Set course date | July, 2012 | Ministry of the Environment/CCMRS IPB |
| Book facilities | November, 2012 | Ministry of the Environment/CCMRS IPB |
| Invite participants | November, 2012 | Ministry of the Environment/CCMRS IPB |
| Conduct the training course | December 3-7, 2012 | Ministry of the Environment/CCMRS IPB |
| Finalize and submit course report | February, 2013 | Ministry of the Environment/CCMRS IPB |

National Training Syllabus:

The Indonesian training course is expected to span four days with active participation from both national and local authorities and stakeholders. The detailed agenda is outlined below.

| Topic | Timing (hrs.) | Contents |
|--|---------------|--|
| Workshop for top decision makers and middle decision makers (the first 3 hours) | | |
| Workshop for top decision makers: Introduction to coastal and marine spatial planning (CMSP) : Problems and obstacles in Indonesia | 3 | <ul style="list-style-type: none"> • Definition of coastal and marine spatial planning • Emerging issues and modern management • Ecosystem-based management • Hazard and risk assessment in spatial planning • The importance of CMSP application in Indonesia • Coordination among sectors in implementing CMSP • The elements of CMSP • Discussion |
| Training for middle decision makers | | |
| Spatial Management in Indonesia | 2 | <ul style="list-style-type: none"> • Spatial management policy in Indonesia • Spatial management as a comprehensive planning • Spatial planning hierarchy and typology in Indonesia • Spatial planning contents/ Structure and Land-use planning • Goals, Objectives, policies and strategies • Structure plan |

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| | | <ul style="list-style-type: none"> • Land-use plan • Strategic Area Plan • Programming • Development control tools • Discussion |
| Ecology | | |
| Coastal and marine ecological typology and profiles and Environmental Impact Assessment | 3 | <ul style="list-style-type: none"> • Coastal area definition • Marine area ecological zonation • Typology of coastal and marine ecosystems • Tropical coastal ecosystem : coral reef, mangroves, seagrass, tidal mud flat, sandy beach, muddy beach and rocky beach • Interaction among ecosystems • Factors influencing coastal ecosystems and limiting factors • Definition of EIA • Scope of works of EIA • Environmental profiles in coastal area • Impact prediction and impact evaluation techniques • Environmental impact management and monitoring plan • Discussion |
| Climate Change and its effects on coastal ecosystems | 2 | <ul style="list-style-type: none"> • Definition of climate change • Factor influencing climate change • Indonesian coastal ecosystem role in climate change mitigation • Impacts of climate change in coastal and marine area • Adaptation of climate change impacts in coastal area • Indonesian national policy in climate change • Discussion |
| Disaster Risk Reduction | | <ul style="list-style-type: none"> • Basic definition of risk, hazard and disaster • Development, improvement and sustainability of early warning systems • Development, improvement and sustainability of standardized hazard • Development and delivery of warnings, specialized forecasts and other products and services that are timely, understandable to those at risk and driven by requirements of disaster • Stimulate a culture of resilience and prevention • Strengthening cooperation and partnerships of national, regional and international • Discussion |
| Social and Economic | | |
| Social system in the coastal | 3 | <ul style="list-style-type: none"> • Profile of Coastal Community in Indonesia |

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| and marine area | | <ul style="list-style-type: none"> • Description of Local Wisdoms in Indonesia • Variable of Social Analysis for Coastal and Marine Area • Administration Profiles • Demographic • Education • Community Health & Social Economic • Discussion |
| Conflict Management and Resolution | 2 | <ul style="list-style-type: none"> • Definition of conflicts • Problems derived from conflicts • Identification of Conflicts in Coastal and Marine Area. • Development Activity in Coastal and Marine Areas • Conflict Management Assessment • Examples of conflict management in some real areas |
| Financial Arrangement | 2 | <ul style="list-style-type: none"> • Financial regulation • Drafting Standard Concept to financial allocation • Mechanism of budgeting system • Discussion |
| Coastal Resources Economy Valuation | 2 | <ul style="list-style-type: none"> • The need of coastal and marine resources valuation • Conception and value of Total Economic Valuation • Method to assessment coastal resources valuation : Travel cost method, Contigent valuation, Market Analysis • Discussion |
| Community-Based Management | 3 | <ul style="list-style-type: none"> • Identifying stakeholders and forming partnerships. • Community organization and mobilization • Community participation in the planning process • Information, education and communication • Discussion |
| Legal and Institutional | | |
| Legal and Regulatory Authority | 3 | <ul style="list-style-type: none"> • Environmental Regulation • Fishery Regulation • Spatial planning regulation • Conflicting regulation and resolution strategy • Discussion |
| Law Enforcement | 2 | <ul style="list-style-type: none"> • Function of investigate office • Public participation • The guideline of investigation • Discussion |
| Institutional Arrangements | 2 | <ul style="list-style-type: none"> • Task of each government and local government on marine spatial planning • Overlapping of department authority • Strengthening of spatial plan board • Discussion |

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| Field Trip | | |
| Trip to Coastal Area and small islands (could be in Lombok or Thousand Islands – Jakarta) | 8 | Visits and discussion to coastal communities, coastal tourism, traditional fish processing centre, mariculture centre, community based management, coastal erosion, mangrove and coral reef management area |

| PHILIPPINES |
|--|
| Project Focal Point and National Coordinator: |
| Ms. Nora L. Diaz, Director, Policy Development Group, Housing and Land Use Regulatory Board |
| National Team Members: |
| <ul style="list-style-type: none"> • Dir. Nora Diaz – Housing and Land Use Regulatory Board • Dir. Ricardo Enriquez – Department of Environment and Natural Resources • Mr. Tito Abrera - Department of Environment and Natural Resources • Mr. Roberto Bernal – DENR/Environmental Management Bureau |
| National Challenges in Coastal Spatial Planning: |
| <p>The national challenges in coastal spatial planning in the Philippines can be summed up as follows:</p> <ul style="list-style-type: none"> • The need to arrive at a common understanding and a harmonized implementation of existing policies, rules and regulations governing the use and management of the country's coastal zone; • The mainstreaming of coastal zone planning and management • The need to ensure sustainability of the land and coastal zone plan • The need to continuously monitor and regulate development in land and water/marine areas of the coastal zone. |
| Main National Needs: |
| <p>The preparation of a coastal and marine spatial planning guide and a training manual that will address the following:</p> <ul style="list-style-type: none"> • Integration and harmonization of existing policies, rules and regulations pertaining to land use, marine waters and the utilization of coastal resources; • The guide will provide the technical guidance on how to plan and manage land and the coastal zone. |
| Major & Specific Objectives of National Training Course: |
| <ul style="list-style-type: none"> • Train and increase capability of HLURB and EMB/DENR staff in the area of coastal and marine spatial planning • Enable national planners to conduct coastal and marine spatial planning for the officials and planners of cities and municipalities • Clarify and harmonize existing policies, rules and regulations governing the use and management of the country's coastal zone; • Mainstream coastal and marine spatial planning and management in the country's cities and municipalities • Ensure the implementation of the coastal and marine plans through the Comprehensive Land Use Plan and Zoning Ordinance. |
| Training Approach: |

Type of Training:

- A training approach that will provide basic information and understanding about the coastal/marine zone, the linkages and inter-relation of different ecosystems
- Training that will guide participants on how to prepare a plan for coastal and marine areas.
- Training that will increase the knowledge of participants on the application of various planning approaches such as the ridge-to-reef planning framework, ecosystem-based management approach, the integration of disaster-risk reduction, sea-level rise, climate-change adaptation and biodiversity
- Training that will provide the participants the guidance and skills to conduct their respective trainings at the local government unit level with the active cross sectoral stakeholders 'participation and involvement

Trainees:

- At the initial stage, the target participants to be trained are the selected technical staff from the Department Environment and Natural Resources (DENR) and the Housing Land Use Regulatory Board (HLURB), both from the central and regional offices.
- The next level of training will be conducted with the local government units as participants with the particular involvement of the following:
 - Representative from the Office of the Local Chief Executive (Mayor)
 - City/municipal planning and development officer
 - City/municipal environment officer
 - City/municipal agriculture officer
 - Representatives from the city/municipal Legislative Council
 - Representatives from the City/Municipal Development Council
 - Representatives from community organizations such as the fishing community, agriculture, tourism, non-government organizations, etc.
 - Representatives from the Provincial Land Use Committees
 - Representatives from the Provincial Planning and Development Office
 - Other relevant entities

Resource Materials to be used:

Vital reference materials also to be used will include the resource documents provided by the UNEP/COBSEA/Sida such as the following:

- SpatialPlanningResourceDocument
- UNEPMarineandCoastalEcosystem-BasedManagement Guide
- UNESCO Marine Spatial Planning Guide
- ADPCDisasterRiskReductionforCoastalZoneManagers

National Training Materials:

The planning guidebook prepared by the Housing and Land Use Regulatory Board (HLURB) shall be used for all training. A training manual shall likewise be prepared for uniformity and consistency among trainers in the conduct of future training exercises. The planning guidebooks are now being enhanced by integrating CCA, DRRM, coastal land use planning, etc.)

Materials that are relevant to coastal/marine spatial planning prepared by the relevant agencies in the

Philippines such as the DENR, Environmental Management Bureau, the Bureau of Fisheries and Aquatic Resources shall be used as reference materials.

Material to be translated into National Language:

English is the generally the language being used in the Philippines. The guidebooks and the training manual will be prepared using the English language.

Venue for National Training Course:

The training is envisioned to be conducted in Boracay Island, located in the Municipality of Malay, Province of Aklan.

(Considering the cost of venue, food and accommodation, and travel fare, other potential or suitable areas shall likewise be explored and identified)

Expected Outcomes of National Training Course:

§ The participants from the EMB-DENR and the Housing and Land Use Regulatory Board in particular, are experienced technical, skilled and knowledgeable professionals in the area of local development planning.

- Knowledge gained during the training is expected to increase the participants' appreciation and further deepen and broaden their understanding of what and how to plan the coastal and marine areas.
- Target participants already have basic understanding of the principles, management approaches and some emerging issues such as climate change, disaster risk reduction and management, hazards, etc. Given this, we are expecting that the training will serve as a venue to allow the participants to link and understand the functional relationships of land- and water-based activities and to further allow them to help local governments prepare suitable land use plans and the corresponding development regulations and policies.

Considering that the target participants are experienced technical, skilled and knowledgeable professionals in the area of local development planning – it is expected that they will have a higher degree of understanding on how to integrate the emerging issues and the various management approaches in the preparation of a CMSP.

One major function of the target participants is to provide technical assistance to local government units to prepare their respective local land use plans. This function is done on a regular basis (year after year). Armed with the knowledge gained from the training course, the same participants are expected and (will be) required to transfer knowledge and guide local planners prepare their land and water use plan/s. Since coastal and marine spatial planning will mainstreamed into local development planning in the Philippines through the CLUP Guidebooks, it will be required for cities and municipalities with coastal areas to ensure that CMSP are integrated in their land use planning processes.

Further, prior to plan approval, the national and Provincial Land Use Committees will likewise, during plan review, search and ensure that coastal and marine spatial planning are integrated in the city/municipal land use plans and zoning ordinances.

National Follow-up Needs, Activities and Recommendations after the Training Course:

Regular Continuing Activity:

As part of its function, the HLURB will conduct regular technical assistance to cities and municipalities in the preparation of their Comprehensive Land Use Plans. Basic planning guides to be used are the CLUP Guidebooks, reference materials and training manual/s. The conduct of training, which is an accompanying activity, shall be conducted for the local technical working group in charge of plan preparation. The training will include coastal and marine spatial planning.

Future Need:

An amendment to the national guidebook shall be effected, if and when, necessary.

Timing and Planning:

| Tasks | Target Dates | Responsible Parties |
|--|------------------------|---------------------|
| Finalize syllabus and secure approval | October, 2012 | HLURB |
| Further develop into formal curriculum | October-November, 2012 | HLURB, EMB/DENR |
| Identify and secure instructors | November, 2012 | HLURB, EMB/DENR |
| Set course date | November, 2012 | HLURB, EMB/DENR |
| Book facilities | October-November, 2012 | HLURB, EMB/DENR |
| Invite participants | November, 2012 | HLURB, EMB/DENR |
| Conduct the training course | January, 2013 | HLURB, EMB/DENR |
| Finalize and submit course report | February-March, 2013 | HLURB, EMB/DENR |

National Training Syllabus:

The Philippine training course is expected to span five days with active participation from both national and local authorities and stakeholders. The detailed agenda is outlined below. The overall objective is to enhance perception, experiences, attitudes, knowledge and skills of the participants on spatial planning in coastal and marine zones in the Philippines. Target Participants will include: Thirty-five (35) Senior Technical Staff of DENR (EMB, FMB, LMB, MGB, PAWB), HULRB, DA (BFAR), DILG, CCC Budgetary Requirements: P700,000.00 excluding the traveling expenses of the participants

| Date/Time | Activities | Objectives | Resource Persons |
|--|-------------------------------------|---|------------------|
| Day 1 - October 15 A.M. Travel to Boracay 1:00 p.m. – 2:00 p.m. 2:00 p.m. – 2:30 p.m. | Registration Opening Program | At the end of the activity, the participants shall be able to: Establish the planning authorities of all the actors involved | |

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| <p>2:30 p.m. – 3:00 p.m.</p> <p>3:00 p.m. – 3:30 p.m.</p> <p>3:30 p.m. – 4:30 p.m.</p> <p>4:30 p.m. – 6:00 p.m.</p> <p>7:00 p.m. onwards</p> | <p>Expectation Setting</p> <p>Course Overview</p> <p>Module I: Legal Basis of Spatial Planning</p> <p>Session 1: Legal Basis and Authority to Plan</p> <p>Session 2: Existing Laws, Rules, Policies and Regulations on Spatial Planning: Land and Coastal Areas</p> <p>Dinner Reception</p> | <p>Internalize the extent of planning authority of each government sector</p> <p>Harmonize better understanding of existing laws in the national level</p> | <p>Dir. Nora Diaz DENR & HLURB DENR & HLURB</p> |
| <p>Day 2 – October 16, 2012</p> <p>8:00 a.m. – 10:00 a.m.</p> <p>10:00 a.m. – 12:00 n.n.</p> <p>12:00 n.n. – 1:00 p.m. 1:00 p.m. – 3:</p> | <p>Module II: Emerging Issues and Management Approaches</p> <p>Session 1: Climate Change</p> <p>Session 2: Disaster Risk Reduction and Management</p> <p>Lunch</p> <p>Session 3: Ecosystem-Based Planning and Management</p> <p>Session 4: Disaster and Risk Management Act of 2010</p> <p>Session 5: National Framework Strategy for</p> | <p>Understand emerging issues and concerns in relation to development planning</p> <p>Understand climate change and its importance to local government</p> <p>Increase awareness on disaster and risk and strengthen preparedness and resilience</p> <p>Gain comprehensive awareness on the importance of ecosystem-based approach in planning</p> <p>Learn salient features of NDRMC Act</p> <p>Enhance knowledge on</p> | <p>Sec Lucille Sering Climate Change Commission</p> <p>Dir. Leo Jasareno Mines and Geosciences</p> |

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| | Climate Change | the integration of climate change on development programs increase planning capacities of the participants | Bureau Dir. Nonito Tamayo Forest Management Bureau NDRMC Official Sec. Mary Ann Lucille Sering Climate Change Commission |
| Day 03 – October 17, 2012 8:00 a.m. – 5:00 p.m. 5:00 p.m. – 6:00 p.m. | Module III: Planning Framework Session 1: Land Use Preparation: Steps and Processes Case Study and Field Trip Instructions | Increase knowledge on coastal and marine spatial planning | Dir. Nora Diaz HULRB |
| Day 04 – October 18, 2012 8:00 a.m. – 12:00 n.n. 1:00 p.m. – 3:00 p.m. 3:00 p.m. - 4:00 p.m. 4:00 p.m. – 6:00 p.m. | Module IV: Field Exposure Field Trip: The Boracay Island Spatial Planning Experience Session I: Preparation of Report Session II: Presentation of Report Module V: Action Planning | Gain information and evaluate existing situation and trend of development Lessons learned Determine the plan of action to be implemented in their respective areas of jurisdiction | Messrs. Roberto Bernal and Tito Jet Abrera Dir. Ric Enriquez |
| Day 05 – October 19, 2012 8:00 a.m. – 9:00 a.m. 9:00 a.m. – 10:00 a.m. | Session 1: Presentation of Action Planning Session 2: Finalization of Action Plan | | Training Staff |

| | | | |
|--|---|--|--|
| 10:00 a.m. – 11:00 a.m. 11:00 a.m. – 12:00 n.n. | Post Course Evaluation Closing Program | | |
|--|---|--|--|

Notes:

Medium of Instructions: English Coordinator and Secretariat: DENR & HULRB Invite UNEP Experts as Guests and Panelists Funding Support (UNEP) A Training Manual will be developed before the activity Monitoring and Evaluation of the Participants' Action Plans will be conducted six (6) months after the training

THAILAND

Project Focal Point and National Coordinator:

Project Focal Point: Dr. Pinsak Suraswadi, Department of Marine and Coastal Resources

National Coordinator: Dr. Sakanan Plathong, Prince Songkla University

National Team Members:

- Mr. Somsak Piriyayotha, Coastal Resources and Mangrove Management Specialist, Department of Marine and Coastal Resources, Ministry of Natural Resources and Environment
- Mr. Dhana Yingcharoen, Director, Planning Division, Department of Marine and Coastal Resources, Ministry of Natural Resources and Environment
- Mr. Phubas Chompon, Fishery Biologist, Office of Marine and Coastal Resources Conservation, Department of Marine and Coastal Resources, Ministry of Natural Resources and Environment
- Mr. Warasak Phuangcharoen, Environmental Official, Office of Natural Resources and Environmental Policy and Planning, Ministry of Natural Resources and Environment
- Mr. Saravut Siriwong, Lecturer, Faculty of Marine Technology, Burapha University
- Mr. Phongtheera Buapet, Lecturer, Faculty of Technology and Environment, Prince of Songkla University, Phuket Campus
- Mr. Sakanan Plathong, Lecturer, Department of Biology, Prince of Songkla University, Hatyai, Songkhla

National Challenges in Coastal Spatial Planning:

Degradation of marine and coastal resources and its biodiversity.

- Conversion of coastal mangrove forests into intensive shrimp farms lead to a loss of more than 50% of the original mangrove area in Thailand.
- The coral reef in the Gulf of Thailand has been degraded from coastal development and tourist activities such as sedimentation, sewage discharge, physical damages, and over fishing.
- Seagrass beds in 5 major areas in the Gulf of Thailand have also been degraded from sedimentation and sewage discharge.
- Land conversion and intense exploitation of water have led to rapid deterioration of natural resources.
- The aesthetic impact of marine debris on coastal environments in Thailand is obvious and compelling.

Land and marine based pollution

- Volumes of untreated domestic sewage, industrial wastewater and solid hazardous wastes have risen dramatically in recent years. The result is that roughly one third of Thailand's surface water bodies are considered to be of poor quality.
- Discharge of wastes from shrimp farms. These chemicals are released into the public waters and discharged into the coastal areas. The untreated water from the farms also discharged

directly into the coastal areas.

- Oil spill from marine transportation. There are many piers for fishing vessels and tour boats, and harbors for cargo vessels and navy base. The oil spill will be a considerable threat to the coastal and marine environment.

Over exploitation

- In the fisheries sector, over-harvesting of marine fisheries has reduced fishing yields by 90 percent. The coastal areas have also been seriously degraded by expansion of shrimp aquaculture.
- Fresh water scarcity in the coastal areas, which occurs against a backdrop of low availability, high pollution, and increasing per capita consumption. There is a tremendous pressure on Thailand's water resources, as the country ranks the lowest in Asia for annual per capita water availability, but it ranks 14th in the world in industrial organic water pollution.

Natural disaster and Climate change

- During the last 30 years, there was an increase in frequency of Global/regional disaster such as earth quake, storm surge, sea level rise, global warming, flood, drought, forest fires, and coral bleaching. Ecosystems in many areas have become vulnerable resulting in the losses of flora and fauna. Surface of the earth has undergone physical changes including coastal erosion and high tide resulting in the forced migration of coastal communities, the damage of infrastructure, tourist areas, and highly-investment industrial zone along the coastal lines. In addition, many communicable diseases and insect pests will cause the damages to human life, agricultural products and world food security. Moreover, poverty, migration and fights for resources have occurred. Natural disasters tend to be more severe threatening the production and well-being of the peoples.

Main National Needs:

- Institutional rearrangement.
- Promote research and monitoring on marine and coastal resources.
- Improve protected area management knowledge.
- Improve enforcement of existing coastal and marine-related regulations.
- Revise coastal land uses planning to support integrated coastal management.
- Promotion of disaster risk reduction in coastal and marine spatial planning.
- Promotion of Marine and Coastal Resources Management Act.

Major & Specific Objectives of National Training Course:

Goal of the course:

Strengthen the capacity of responsible organizations to conduct coastal and marine spatial planning.

Course objectives

1. To increase knowledge and understanding of coastal and marine spatial planning to participants.
2. To mainstream Ecosystem-based management into current coastal zone management
3. To enhance the application of disaster-risk reduction in coastal and marine spatial

management.

4. To develop guidelines for coastal and marine spatial planning.

Training Approach:

Type of Training:

Organizational development with emphasis on the principles of coastal and marine spatial planning and the responsibility of each organization in the framework. In addition, it will increase collaboration among responsible agencies.

Trainees:

Since the Thai training course will focus on inter-agency cooperation and strengthen responsible organizations in integrated coastal management, heads of divisions and officers who are in charge of management issue are the targeted participant group.

National Training Participants and Affiliations:

Target participants of this course are policy decision makers consisting of Heads of organizations and senior scientist from responsible organization including:

- Department of Marine and Coastal Resources,
- Office of Natural Resources and Environmental policy and planning,
- Department of Fisheries,
- Department of Pollution Control,
- Department of National park, Wildlife and Plant Conservation
- Universities & Research institutes
- Department of Disaster Prevention and Mitigation
- **Port Authority of Thailand**

Resource Materials to be used:

General materials will include marine and coastal ecosystem-based spatial planning, Disaster risk reduction, Marine spatial planning, Emerging issue and modern management approaches, EIA process, Environment protected area, Marine park management plan.

National Training Materials:

Course materials include Marine and coastal ecosystem-based management, Marine spatial planning, Disaster risk reduction for coastal zone management, emerging issue and modern management approaches, mapping natural resources and human activities, EIA process, Marine protected area, environment protected area and community-based management.

Material to be translated into National Language:

All of the above.

Venue for National Training Course:

The course will be held in Chonburi province where the coastal area has been heavily developed into industrial estate and accommodation facilities for decades. Marine and Coastal management issues have been established there and become the most challenge among managers in related organizations.

Expected Outcomes of National Training Course:

- Participants will have a clear understanding of the new approaches of spatial planning and are able to set up their own plan in coastal and marine spatial planning.
- Participants are expected to be able to understand the components of spatial planning and shape a framework of their own spatial plan
- Emerging issues and management approaches into CMSP such as: ecosystem-based management, disaster-risk reduction, climate-change adaptation, and results-based management?
- Participants are expected to integrate emerging issue and new approaches to fit into their own plan regarding specific risk of target area.
- Participants are expected to be able to understand the principles of coastal and marine spatial planning considering particular issues in the selected areas and are able to address their responsibility in the plan. They are also expected to understand how to analyze exiting problem of a given area.
- During the course, there will be evaluations and assignments on each topic. Participants are expected to show how much they understand the course and the final assignment will be the course evaluation.

National Follow-up Needs, Activities and Recommendations after the Training Course:

There will be the extension of the course into provincial and local level in different location of Thailand along Andaman coast and the Gulf of Thailand. Demonstration site will be selected from those of participants during the course.

The monitoring and evaluation will be conducted to evaluate the impacts of the training to ensure the success of transfer of knowledges done during the training.

Timing and Planning:

| TASK | TARGET DATE | RESPONSIBLE PARTY |
|--|------------------------|-------------------|
| Finalize syllabus and secure approval | July 2012 | |
| Further develop into formal curriculum | August 2012 | |
| Identify and secure instructors | September 2012 | |
| Set course date | September 2012 | |
| Book facilities | September 2012 | |
| Invite participants | September-October 2012 | |
| Conduct the training course | November 2012 | |

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| Finalize and submit course report | December 2012 | |
| National Training Syllabus: | | |
| The Thai training course is expected to span five days with active participation from both national and local authorities and stakeholders. The detailed agenda is outlined below. | | |
| Time | Activity | |
| Day 1 | | |
| 08:00 – 08:30 | Registration - Secretariat | |
| 08:30 – 09:00 | Opening Ceremony - | |
| 09:00 – 09:30 | Key note speaker presentation - | |
| 09:30 – 10:00 | Introduction to course - Course goals - Strengthen responsible organizations in integrated coastal management - Course objectives - to increase knowledge on coastal zone mgt. - to participants - to mainstream EBM in coastal management - to enhance the application of disaster risk reduction in coastal management - to develop guideline for marine and coastal spatial planning - Course program - Expectation & need | |
| 10:00 – 10:15 | <i>Coffee Break</i> | |
| 10:15 – 11:15 | Definition of coastal area - Coastal boundaries - major marine & coastal ecosystem - Current & future threats | |
| 11:15 – 12:00 | Organizations working on coastal & Marine environment - Stake holder analysis exercise - Their responsibilities - who else? | |
| 12:00 – 13:00 | <i>Lunch Break</i> | |
| 13:00 – 14:30 | Coastal Planning Tools. - <i>EBM</i> - <i>Coastal and Marine spatial planing</i> - <i>Disaster risk reduction</i> - <i>Climate change adaptation</i> - <i>Land -sea integration</i> | |

| | |
|---------------|--|
| 14:30 – 16:30 | Role played (2 hrs) - <i>to understand need of various users</i> - <i>conflict management exercise</i> |
| 16:30 – 18:30 | Travel to Chonburi/ Sriracha |
| 18:30 – 19:30 | Dinner |
| Day 2 | |
| 08:30 – 12:00 | Natural Resources Mapping - What information do we need? o boundaries o ecosystem boundaries o management boundaries o planning& analysis boundaries o condition o ecosystem resilience o Biogeographic assessment o biological valuation - Where is the information? o literature o Expert o Government report and data bases o Local knowledge o Field collecting |
| 12:00 – 13:00 | <i>Lunch Break</i> |
| 13:00 – 16:00 | Human Activity Mapping - current uses - future uses - uses conflict/compatibility metric |
| 16.00-17.00 | Draft zoning |
| 18:30 – 19:30 | Dinner |
| Day 3 | |
| 08:00 – 17:00 | Field visit & case studies |
| 18:30 – 19:30 | Dinner |
| Day 4 | |
| 08:30 – 12:00 | Disaster risk management - Risk analysis o Coastal hazard o Coastal vulnerability - Risk reduction o revise zoning - Risk communication |
| 12:00 – 13:00 | <i>Lunch Break</i> |
| 13:00 – 16:30 | Laws/legislation & other management tools in Thailand |

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| | <ul style="list-style-type: none"> - Environmental Protected Area - Marine National Park mgt plan - Community base mgt. - EIA process |
| 18:30 – 19:30 | Dinner |
| Day 5 | |
| 08:30 – 12:00 | Brain storming: Recommendation for course syllabus Next step <ul style="list-style-type: none"> - How to implement CZM - Collaboration among agencies - Follow up activities |
| 12:00 – 13:00 | <i>Lunch Break</i> |
| 13:00 – 16:00 | Course conclusion and evaluation |
| 15:45 – 16:00 | Closing ceremony |
| Day 6, | |
| | Depart from Chonburi Province |

VIETNAM

Project Focal Point and National Coordinator:

Project Focal Point: Ms. Nguyen Thi Ngoc Hoan, Vietnam Administration of Seas and Islands

National Coordinator: Dr. Nguyen Cho Hoi, Hanoi University of Science

National Team Members:

- Mr. Nguyen Hoang Ha - Ministry of Planning and Investment
- Mr. Nguyen Le Tuan - Vietnam Administration of Seas and Islands
- Ms. Nguyen Thi Ngoc Hoan- Vietnam Administration of Seas and Islands
- Ms. Vu Thi Mai Lan- Vietnam Administration of Seas and Islands
- Ms. Mai TraNy–Center for Planning and Integrated Coastal Zone Management
- Ms. Do Thi Loan Oanh - Department of Natural Resources and Environment, HaiPhong city

National Challenges in Coastal Spatial Planning:

Marine economic development and conservation of marine sustainability of Vietnam have both faced many challenges and limitations. In applying CMSP, Vietnam has faced some key challenges as follows:

Limited Public Awareness and Participation

- § Awareness of the role and importance of the sea and the maritime economy by the industries and local coastal communities is still insufficient.
- § Lack of stakeholders in management in coastal areas, seas and islands. The participation of local communities in the management process is very passive. There is a lack of clear ownership and use rights of coastal land and sea.

Limited legal Framework

- § CMSP still does not have an official position in the country's legal framework. Although some legal documents mention CMSP, there is still a lack of specific regulations guiding CMSP.
- § Lacking an integrated law to effectively implement unified state management of the sea and islands. This leads to overlapping management between about 15 sectors and marine industries.

Limited Resources

- § The system of research institutions in marine science and technology, and human resource training for the maritime economy is limited.
- § Facilities support for CMSP such as information systems, GIS, databases are newly developed but scattered.
- § Financial resources for administrative management of seas and islands is limited. Many activities rely on external financial sources through partners, donors, and international organizations, mostly WB, ADB, UNDP, GEF, IUCN, WWF.

Main National Needs:

- Development of ecology-based management of marine resources and environments
- Institutional and legal framework for CMSP development, approval, implementation and evaluation
- Efficient utilization of marine natural resources together with environmental protection
- Building foundations for sustainable development
- **Adaptation and development support for climate change**

Major & Specific Objectives of National Training Course:

The overall aim of the proposed training is to assist people who are responsible for coastal and marine management. After the training, they will understand that CMSP is a useful management tool and how to apply it in the Vietnam context with the integration of climate change issues.

Other objectives are:

1. Improve and enhance knowledge on coastal and marine resources management through introducing the new concepts and terminologies of CMSP
2. Guide CMSP selectively in Vietnam with integration of climate change and risk reduction by introducing best practices from other countries.
3. Build capacity in coastal and marine management especially for officials at central and provincial levels.

Training Approach:

Type of Training:

The short training course will be conducted over 5 days. The curriculum will be divided into modules and sections. Each day will start with a warming-up session with some brief information transferred from the last day and comments and questions from trainees. There will be some assignments and group exercises to help trainees understand and have the chance to link to practical/real conditions and improve group working skills. Participants, including trainees and lecturers, will have a field trip to Catba island that has many conflicts between users. There may also be a chance to meet some key stakeholders in the coastal zone to understand their roles in marine resources use planning.

The following training methods will be used: meetings, combined traditional and modern learning types:

- Lectures in theory
- Discussion
- Assignment
- Group works
- Field visits and interview local stakeholders
- Evaluating training

Trainees:

The trainees will be invited from both national and sub-national agencies. These are officers and public servants from administrative agencies at national and provincial levels, especially from coastal provinces. Other stakeholders related to coastal resource use and utilization and some

from scientific organizations, will also participate. There will be around 40 trainees invited from:

1. Ministry of Environment
 - Land Administration
 - Environment Administration
 - Vietnam Administration of Seas and Islands
2. Ministry of Planning and Investment
3. Ministry of Agriculture and Rural Development
4. Ministry of Transportation
5. Ministry of Tourism
6. Department of Natural Recourse and Environment of 14 Coastal Provinces
7. Universities (Hanoi National University)
8. Research Institutes/ Centers

Resource Materials to be used:

Main national relevant documents to be referenced for the training as follow:

1. Vietnam Sea Law (Approved recently and coming into force in Jan. of 2013)
2. National and Regional Resource Document for Coastal Zone Management
3. Draft National Strategy for Integrated Coastal Zone Management
4. Disaster Risk Management Strategy for Vietnam
5. National Climate Change Policies (National Climate Change Strategy, National Target Programme to Respond to Climate Change)

National Training Materials:

Material to be translated into National Language:

1. Integrating Emerging Issues and Modern Management Approaches for Coastal Spatial Planning (RND);
2. Training Syllabus on CMSP from Regional Train-the-Trainer on CMSP in Thailand, May of 2012
3. NOAA Presentations on MSP in Vietnam
4. Step-by-Step Approach for Marine Spatial Planning toward Ecosystem-based Management, UNSCO.

Venue for National Training Course:

The Training course will be held in Haiphong city over 5 days. It is planned for the end of November, 2012. A suitable training facility will be hired based on availability in the city and some resource support from the local government. A one-day field trip to Cat Ba Island will be organized to have a look at some urgent issues in coastal areas and the need for coastal and marine planning.

Expected Outcomes of National Training Course:

- The Training course will result in the following expected outcomes:
- A complete training package serving as a foundation for CMSP in Vietnam

- Increased understanding and learning on new approaches;
- Better understanding of CMSP approaches and methodologies and the ability to apply in respective provinces;
- Trainees have the potential to become a resource person in his/her organizations and help to develop CMSP activities.

National Follow-up Needs, Activities and Recommendations after the Training Course:

- Drafting of the Law on Marine Natural Resources and Environment (ongoing) and submitting to the Government (October, 2012); submitting to National Assembly for approval in 2013
- Drafting Planning Law (ongoing); submitting to Government by end of 2012
- Pilot implementation of CMSP for Cat ba Island (2013); Nha Trang City (Khanh Hoa Province (by 2014) and Kien Giang coastal province (2015).

Timing and Planning:

The training syllabus considers CMSP as a management tool supported in state management for seas and islands, especially in an integrated manner. Vietnam is one of the countries that will be most severely affected by climate change so that issues related to risk induced by climate change will be integrated in CMSP. Besides knowledge transferred by lectures, this training course will be a chance to exchange lessons and experiences between participants. Hopefully, some sub-national training will be organized in the future to guide local authorities and communities, especially in the technical concepts and terms.

National Training Syllabus:

| Time | Activities | Implementer | Facilitator |
|--------------|---|--|-------------------------------|
| <i>Day 0</i> | <i>Travel from provinces to Hanoi and from Hanoi to Haiphong city</i> | | |
| <i>Day 1</i> | | | |
| 8.00 -8.30 | Registration | National Coordinator or Project National Focal Point (PNFP) | PNFP and National Coordinator |
| 8.30-9.00 | Opening session: - Agenda Introduction - Welcome remarks by Haiphong's Government - Opening Remarks by MONRE/VASI Representative - Group Photo | - Representative from Haiphong People Committee or from Haiphong DONRE - Representative from VASI - All participants | |
| 9.00-9.15 | Introduction to the course, aims and expected outcomes | NFPP | |
| 9.15-9.30 | <i>Coffee break</i> | | |
| 9.30-10.45 | Brief Introduction of Regional | MSc. Nguyen Ngoc | |

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| | Resource Document and National Resource Documents | Hoan | |
| 10-45-11.30 | Overview Distinction between CMSP and ICM | Dr. Chu Hoi | |
| 11.30-13.30 | Lunch | | |
| 13.30-15.00 | Introduction of CMSP: 1. International and National Context 2. Concept and new approaches and principal 3. Needs and Benefits of CMSP 4. Outputs of CMSP <i>Discussion and working group</i> | Dr. Chu Hoi | |
| 15.00-15.30 | <i>Coffee break</i> | | |
| 15.30-17.00 | Introduction of CMSP (continued...) General Process on CMSP <i>Discussion and working group</i> | Msc. Nguyen Hoang Linh | |
| Day 2 | | | |
| 8.00-8.30 | Summaries of Day 1 | NFPP | |
| 8.30-10.00 | How to set Vision, Goals and Targets for CMSP <i>Discussion and working group</i> | Dr. Chu Hoi | |
| 10.00-10.30 | <i>Break</i> | | |
| 10.30-11.30 | Stakeholder Participation <i>Discussion and working group</i> | Ms Do Loan Oanh | |
| 11.30-13.30 | Lunch | | |
| 13.30-15.00 | Data and information for CMSP <i>Discussion and working group</i> | MSc Nguyen Ngoc Hoan | |
| 15.00-15.30 | <i>Break</i> | | |
| 15.30-17.00 | Defining and analyzing existing condition <i>Discussion and working group</i> | Dr. Nguyen Le Tuan | |
| Day 3 <i>Field trip to Catba Island and Haiphong Coastal areas</i> | | | |
| 8.00-11.30 | Visit Catba Island <i>Working group</i> | MSc Le ThanhTuyen | |
| 11.30-13.30 | <i>Lunch</i> | | |
| 13.30-16.30 | Introduction of Zoning Project in QuangNinh – HaiPhong | Dr. Chu Hoi | |
| 17.00 | Back to Haiphong | | |
| Day 4 | | | |
| 8.00-8.30 | Ecosystem based management | Ts. Doan Huong Mai | |
| 8.30-10.00 | Risk Reduction and Management Integration Climate change into | MSc. Truong Quoc Can | |

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| | development plans | | |
| 10.00-10.30 | <i>Break</i> | | |
| 10.30-11.30 | Management tools for CMSP | MSc. Nguyen Hoang Ha | |
| 11.30-13.30 | <i>Lunch</i> | | |
| 13.30-15.00 | Impacts and Compatible and Incompatible Activities | Ms Vu Mai Lan | |
| | Creating enforceable zones | Msc. Nguyen Hoang Linh | |
| 15.00-15.30 | <i>Break</i> | | |
| 15.30-17.00 | Communication, enforcement, monitoring and adaptive management | MSc. Nguyen Hoang Ha | |
| Day 5 | | | |
| 8.00-9.30 | Field trip Report Presentation | | |
| 9.30-10.00 | Break | | |
| 10.00-11.00 | Training Evaluation | | |
| 11.00-11.30 | Certificate Ceremony | | |
| 12.00-13.30 | Lunch | | |
| 14.00 | <i>Back to Hanoi</i> | | |

Note: *This tentative agenda will be finalized in a consultative workshop that will be organized at the end of October.*

Lecturers:

1. Dr. Pro, Nguyen Chu Hoi, Hanoi National University
2. Trainees groups from Regional Train for Trainer in Thailand, May of 2012
3. Other lecturers and experts from research
4. Project National Focal Point and National Coordinator are responsible to coordinate all activities during training course

Annex 9.9



Dr. Eirik Adler, COBSEA Coordinator welcoming participants with Mr. Ola Moller (left) of the Swedish Embassy and Dr. Larry Hildebrand, Chief Trainer/Instructor



Mr. Charles Ehler and Mr. Anisur Rahman (seated at right, front row) with the participants.



Participants from Cambodia during the group discussion workshop.



Participants from China (upper photo), Indonesia (middle) and the Philippines (lower photo) during the group discussion workshop.



Participants from Thailand (above) and Vietnam (below) during the group discussion workshop.



Participants, Trainers/Instructors, Guests and Organizers of the Regional Train-The-Trainer Course.



The COBSEA Team with Dr. Larry Hildebrand (from left to right) - Ms. Krittika Klessuwan, Ms. Yoon Young Back, Dr. Elik Adler and Mr. Reynaldo Molina.