

The People's Republic of China

NATIONAL TRAINING MANUAL

**CAPACITY BUILDING FOR
COASTAL SPATIAL PLANNING**

Guangzhou, August 2012



CONTENTS

1. INTRODUCTION	1
2. NATIONAL CHALLENGES IN COASTAL MANAGEMENT	2
3. OBJECTIVES OF THE NATIONAL TRAINING.....	4
4. TRAINING APPROACH	6
<i>4.1 Trainees</i>	<i>6</i>
<i>4.2 Organization of the Training Course.....</i>	<i>7</i>
<i>4.3 Type of training.....</i>	<i>14</i>
<i>4.4 Material for the training.....</i>	<i>14</i>
<i>4.5 Training Syllabus.....</i>	<i>14</i>
<i>4.6 Agenda of Training Program</i>	<i>16</i>
<i>4.7 Venue of the training.....</i>	<i>18</i>
5. EXPECTED OUTCOMES.....	18
6. MORNITORING AND EVALUATION OF THE TRAINING	19
7. NATIONAL FOLLOW UP NEEDS AND RECOMMENDED ACTIVITIES	21
8. CONCLUSION.....	22
Annex: Notification of National Training Course on Coast Spatial Planning – by Ministry of Environment Protection	23

1. INTRODUCTION

Coastal spatial planning has been widely practiced in many coastal areas in the coastal countries throughout the world. It particularly has been heavily related to marine spatial planning since 2006, when the United Nations Educational, Scientific and Cultural Organization (UNESCO) held the first International Workshop on Marine Spatial Planning (MSP). MSP offers countries an operational framework to maintain the value of their marine biodiversity while at the same time allowing sustainable use of the economic potential of the ocean. Understanding the dire needs, spatial planning exercise for the coastal areas has drawn much attention in East Asian Seas (EAS) Region.

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). In early 2009, the project proposal was approved for funding by Sida. The project was planned as the 3-year project focuses on spatial planning in coastal areas with an overall goal to promote sustainable development of the coastal areas in COBSEA member countries through the application of spatial planning for integrated coastal zone management (ICZM) and Ecosystem Based Management (EBM). The project is implemented in 3 phases, **which are:**

- F Phase I - Development of Regional Document;
- F Phase II - Regional training course - training trainees from COBSEA countries involved in this project;
- F Phase III - Translation and adaptation of the Regional Document into the national languages and national settings of seven COBSEA countries; Provision of national training and field application in demonstration sites.

Phase I of this project has been completed and concluded with the technical endorsement of the regional document through a Regional Workshop held in Bangkok, Thailand on 29 November to 2 December 2010. The Training of Trainer on Spatial Planning was conducted in Phuket, Thailand 14-18 May, 2012.

During the Training of Trainer in Phuket, it was prepared for further training for each

nation and specifically designed by adjusting the specific needs of each country. Therefore, training on Coastal and Marine Spatial Planning (CMSP) is to be conducted in national level which is as a series of trainings conducted by COBSEA aimed to enhance the capacity buildings of planners in East Asian Seas countries, including China.

2. NATIONAL CHALLENGES IN COASTAL MANAGEMENT

China has over 18,000km coastline and there are 11 provinces (autonomy and cities directly under jurisdiction of central government) in the coastal area. By 2010, 300 million people live in the coastal area, composing of 22% of the total population of China. GDP in the coastal area is 36.8% of the total.

The coastal area is the most developed and most rapidly developing area in China. This has caused many problems to the coastal area. The first problem is of course water quality pollution. In 2010, marine water quality was detected within or under class IV of national standard at near one fourth of the monitoring stations. The second problem is damage of coastal wet land and habitats, like coral reefs, mangroves and sea grass beds. For instance, comparing with 1950s, mangrove in Guangdong coast reduced 50% by 2000. Another problem is depletion of fishery resources. One example is that current fishery harvest in Pearl River Estuary is only one tenth of that in 1990s.

The root causes of above-mentioned challenges are:

- F Lack of corresponding laws or regulations to integrate coastal zone management;
- F Many government braches involved in utilization of coastal areas (see table 1) but no one responsible for its integrated management and protection;
- F No comprehensive plan to cover both land and sea areas in coastal zone; and
- F Emerging issues and modern management approaches are seldom considered in planning system.

Therefore there is an urgent need to promote capacity building for coastal spatial planning and coastal integrated management.

Table 1 Government Branches Involved in Use and Management of Coastal Zone

<p>National Development and Reform Commission:</p> <ul style="list-style-type: none"> F To draft long term, medium term and yearly national economy and social development plan F To decide important national projects F To draft the plan of national productivity distribution
<p>Ministry of Land and Resources-Department of Planning:</p> <ul style="list-style-type: none"> F To draft the national land use plan F To frame the drafting methods of land use master plans and other thematic land plans F To supervise and approve land use master plans and other thematic plans of provinces, autonomous regions, and some big cities
<p>Ministry of Housing and Urban-Rural Development:</p> <ul style="list-style-type: none"> F To frame the drafting methods of urban planning, and town and village planning F To supervise and approve town system plans of provinces, autonomous regions, and some big cities F To supervise and approve plans of important national parks
<p>Ministry of Environmental Protection(MEP):</p> <ul style="list-style-type: none"> F The administrative department in charge of environment protection F To exercise unified supervision and administration over nation-wide marine environment protection work F To render guidance, coordination, and supervision of marine environment protection F To prevent and control marine pollution damages caused by land-based pollutant and coastal construction projects
<p>State Oceanic Administration (SOA):</p> <ul style="list-style-type: none"> F The administrative department in charge of marine affairs F To be responsible for the supervision and administration of the marine environment F To organize survey, surveillance, supervision, assessment and scientific research of the marine environment F To prevent and control marine pollution damages caused by marine construction projects and dumping of wastes in the sea
<p>Maritime Safety Administration(MSA) – under Ministry of Communications:</p> <ul style="list-style-type: none"> F To be responsible for the supervision and administration of marine

environment pollution caused by non-military vessels inside the port waters and non-fishery vessels and non-military vessels outside the port waters

- F To be responsible for the investigation and handling of the pollution accidents
- F In the event of a pollution caused by a foreign vessel navigating, berthing and anchoring and operating in the sea area of China, to board the vessel in question to examine and handle the case
- F In case of a pollution accident resulting in fishery damages, to invite the administrative department in charge of fisheries to investigate and handle the accident

Ministry of Agriculture (MOA)-Bureau of Fisheries :

- F To be responsible for the supervision and administration of marine environment pollution used by non-military vessels inside the fishing port waters and the fishing vessels outside the fishing port waters
- F To be responsible for the protection of ecological environment in the fishing zones and examine and handle fishery pollution

Environmental protection department of the armed forces:

- F To be responsible for the supervision and administration of marine pollution caused by military vessels
- F To investigate and handle the pollution cases caused by military vessels

3. OBJECTIVES OF THE NATIONAL TRAINING

Overall objective:

The overall goal of the training is to help promoting sustainable development of the coastal areas in China through the application of spatial planning for integrated coastal zone management (ICZM) and Ecosystem Based Management (EBM) and to reduce and prevent the impacts of natural disasters, climate change and sea level rise.

Specific Objectives – High Objective:

To review rationalities and conflicts of Chinese laws relevant to costal utilization and management to seek the clue for harmonizing future framework of legislation in China. The laws to be dealt with are list in Table 2.

Table 2 Current Chinese Laws and Regulations Relevant to Use and Management of Coastal Zones

<p>Underlying laws:</p> <ul style="list-style-type: none">F Law on Environmental Protection (Adopted on 26-12-1989)F Law on Marine Environmental Protection (Revised on 25-12-1999)F Law on the Administration of the Use of Sea Areas (Adopted on 27-10-2001)F Law on Environmental Impacts Assessment (28-10-2002)F Law on Land Resources Management (Revised on 29-08-1998)F Urban and Rural Planning Law of the P. R of China (Adopted on 28-10-2007)F Law on Prevention and Control of Water PollutionF Forest Law of the People's Republic of ChinaF Water Law of the People's Republic of ChinaF Law on Fishery Resources (Revised on 21-10-2000)F Law on Mineral Resources (Revised on 29-08-1996)F Law on the Protection of Wildlife (Adopted on 08-12-1988)F Port Law of the People's Republic of China (Adopted on 28-06-2003)F Law on the Territorial Sea and the Contiguous Zone 25-02-1992F Law on the Exclusive Economic Zone and the Continental Shelf (26-06-1998)
<p>Regulations:</p> <ul style="list-style-type: none">F Regulations concerning environmental protection in offshore oil exploration and exploitation 29-12-1983F Regulations concerning the prevention of pollution of sea areas by vessels 29-12-1983F Regulations concerning the dumping of wastes at sea 06-03-1985F Regulations concerning prevention of environmental pollution by ship-breaking 18-05-1988F Regulations concerning prevention of pollution damage to the marine environment by coastal construction projects 25-05-1990F Regulations on Management to Prevention and Cure in Damage of Pollution Caused by Marine Projects ConstructionF Regulations concerning prevention of pollution damage to the marine environment by land-based pollutants 25-05-1990F Measures for implementation of the regulations concerning the dumping of wastes at sea 25-09-1992F Implementing regulations on the protection of aquatic wild animals 05-10-1993

- F Regulations of natural protected reserves 09-10-1994
- F Regulations for the protection of wild plants 30-09-1996
- F Provisions governing the management of coastal forest belts under special state protection 09-12-1996
- F Provisions on the procedure for investigation and handling of accidents of pollution in fishing areas 26-03-1997
- F Measures on the protection of natural reserves of aquatic fauna and flora 17-10-1997
- F Measures of management on utilization of sea areas 27-10-2001
- F Marine functional zonation scheme 22-10-2002
- F Law on prevention of marine pollution and damage from marine construction projects

Specific Objective – Medium Objective:

Allowing part of relevant government officials and planning professionals to gain consciousness of integrating emerging issues and modern approaches in coastal spatial planning and management.

Emphasis of the training will be:

- F Emerging issues and modern management approaches, not spatial planning techniques
- F Integrating emerging issues and modern management approaches into coastal spatial planning

4. TRAINING APPROACH**4.1 Trainees**

The trainees are identified with help of MEP and consider trainee distribution among provinces and government ministries. Government officials at county (410), city (51), provincial (11) and central level who are involved in making and implementation of spatial planning related to coastal zone, particularly in provincial and city level. These powerful players in the Chinese political system have strong impact in the planning process, so some trainees must be officials from central and provincial government branch. In addition, professionals involved in drafting of land use planning, marine spatial planning, urban and rural development planning, environment planning,

port/transportation planning and so on so forth, particularly those in national and provincial organizations, so some professionals from these organizations should be considered.

The total trainees sum around 55. According to announcement of MEP, they are from:

- F National Development and Reform Commission (decide itself number of participants);
- F Ministry of Land and Resources-Department of Planning (decide itself number of participants);
- F Ministry of Housing and Urban-Rural Development (decide itself number of participants);
- F State of Oceanic Administration (decide itself number of participants);
- F Government branch in provincial level: 1 from Environment Protection Bureau, 1 from Bureau of Land and Resources, 1 from Bureau of Land and Resources-Department of Planning, and 1 from Bureau of Ocean and Fishery for coastal provinces in southern China: Hainan province, Guangxi Zhuang Autonomy Region, Guangdong Province, Fujian Province, Jiangsu Province and Shanghai City. 1 from Environment Protection Bureau for coastal provinces in northern China: Jiangsu Province, Shandong Province; Hebei Province, Liaoning Province and Tianjin City.
- F Local participants from government branch of Beihai City including Environment Protection Bureau, Bureau of Land and Resources, Bureau of Land and Resources-Department of Planning, Bureau of Ocean and Fishery, and from Guangxi Beihai Marine Environment Monitoring Center.

4.2 Organization of the Training Course

Organizer :

- F Ministry of Environment Protection
Representatives: **Mr. Yu Tong**, Chief, Division of Marine Environment Protection, Department of Pollution Prevention; **Mr. Yi Li**, Deputy Chief, Division of Marine Environment Protection, Department of Pollution Prevention
- F Training Course Undertaking: South China Institute of Environmental Sciences, Ministry of Environment Protection

Trainers:**Course Coordinator and Chief Instructor:**

Prof. Guo Zhenren, South China Institute of Environmental Sciences, Ministry of Environment Protection. Prof. Zhen-Ren Guo has experience of 23 years in environmental research and consulting. Since he received his doctoral degree in 1988, he has been involved in many projects that cover environment protection planning for river basins/regions/metropolitan areas, EIA, wastewater treatment, waste water marine disposal, marine environment protection and integrated management of coastal zones, environmental hydraulics, water quality modeling, and so on. Because he took positions as head of Water Environment Research Centre, Head of Department of Research Management, Deputy Director and Chief Engineer of the institute, etc., his study areas are naturally extended from water quality issues to air quality, ecological (including marine ecology), and solid waste management issues. He has published over 60 papers and 3 books domestically and internationally, and been awarded 11 scientific prizes by Guangdong provincial government and State Environmental Protection Administration (SEPA, and now MEP—Ministry of Environment Protection) of China. During 1995-1998 Prof. Guo was assigned as Adjunct Professor of Memorial University of Newfoundland, Canada. During 1992 to 1993, Prof. Guo worked as Visiting Scientist at King's College and Imperial College, University of London, UK. During 1993-1994 he conducted research as Post-Doctoral Fellow at Memorial University of Newfoundland, Canada. During 1999-2000 he worked at The University of Hong Kong as a visiting professor giving 4 environmental courses. During 2001-2003, he was assigned by the central government of China as Deputy Director in General, Environment Protection Bureau of Yunnan Province. Environmental protection regulation and policy study become another focus of Prof. Guo's one of his research areas in recent years. Since his return form Yunnan Province Prof. Guo has been assigned as Chief Engineer of SCIES, currently he also heads Coastal Environment Protection Research Centre of the institute.

Lecturers:

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

Background and tasks of trainers are summarized in Table 3 and contact information of trainers is listed in Table 4.

Table 3 Duties of Trainers

No	Name	Title	Background and Experience	Function	Duties
1	Guo Zhenren	Dr. & Professor	Prof. Guo was Deputy Director of South China Institute of Environmental Sciences, Ministry of Environment Protection, and currently Chief Engineer of the institute and also head Marine and Coastal Environment Protection Research Center. He has experience of more than 23 years in research of coastal environment protection that include master plan and environment protection strategy development.	Coordinator	Coordinate all project activities of Phase III in China including organization of the training course; give lectures on introduction and framework of coastal spatial planning, preparation for costal spatial planning, implementation program, and prepare relevant training materials.
2	Yu Xijun	Dr. & Senior Engineer	Dr. Yu is from South China Institute of Environmental Sciences. His research focuses on landscape ecology, urban ecology, and strategic environmental assessment (SEA), with special emphasis on applying landscape ecology principles into SEA on spatial plan. He is familiar with planning systems in China and coastal environment of South China. He has also participated in many projected related to functional zoning and coastal protection planning at coastal area.	Expert	Assist coordination work; give lectures on law and regulations in China related to costal spatial planning, ecosystem-based management on coastal and marine environment, combining sea and land uses in one plan, and prepare relevant training materials.

3	Fang Yu	Professional Senior Urban Planner	Mr. Fang is Director of planning studio 4 at Shenzhen Branch, China Academy of Urban Planning & Design (CAUPD), which is under Ministry of Housing and Construction. He has been involved in more than 30 planning projects including Urban design, master plan and coastal zone plan, and received 11 relevant awards.	Expert	Give lectures on drafting the spatial plan, negotiation towards an approved spatial planning (working with stakeholders), mapping of a spatial plan, and prepare the relevant training materials.
4	Lou Quansheng	Dr. & Senior Engineer	Dr. Lou is from The South China Sea Marine Engineering and Environment Institute, South China Sea Branch of State Oceanography Administration. He conducted number of research projects and government tasks in national and provincial level related to coastal land use assessment and disaster prevention etc. with specialty on application of RS and GIS technique in coast management, coast conservation and utilization planning.	Expert	Give lectures on assessment of the current situation, hazard and risk management and spatial planning (tools for assessing hazards and risks), and prepare the relevant training materials.
5	Deng Yixiang	Dr. & Associate Professor	Dr. Deng is from Chinese Research Academy of Environmental Sciences (CRAES) which is under Ministry of Environment Protection. He has been involved in 9 national research projects related to costal and marine environment protection and	Expert	Give lectures on analysis of coastal process, division of coast into "cell", selecting specific strategies for shoreline cells, and prepare the relevant training materials.

			published more than 20 papers in this area.		
6	Chen Qinghua	Dr. & Engineer	Dr. Chen is from South China Institute of Environmental Sciences. His specialty is coastal habitats, particularly familiar with ecological function of coastal wetlands and mangroves. He also conducted an investigation of sea level rising impact on coastal environment.	Expert	Assist organization of the training course; give lectures on climate change and coastal spatial planning, valuation assessment of ecosystem services, and prepare the relevant training materials.

Table 4 Contacts of Trainers

No	Name	Title	Organization	Address	Post Code	Telephone and Email
1	Guo Zhenren	Dr. & Professor	South China Institute of Environmental Sciences	7 West Street, Yuancun Guangzhou P. R. China	510655	+86-20-85536352 guozhenren@scies.org
2	Yu Xijun	Dr. & Senior Engineer	South China Institute of Environmental Sciences	7 West Street, Yuancun Guangzhou P. R. China	510655	+86-20-85558748 yuxijun@scies.org
3	Fang Yu	Professional Senior Urban Planner	Planning Studio 4 at Shenzhen Branch, China Academy of Urban Planning & Design	26/F Fu Chun-Dong Fang Building No.7006 Shennan Road Shenzhen P. R. China	518040	+86-13600157735 yu.fang@vip.sina.com
4	Lou Quansheng	Dr. & Senior Engineer	The South China Sea Marine Engineering and	No. 353 Middle Xingang Road Guangzhou	510300	+86-20-84269042 13632361196@139.com

			Environment Institute	P. R. China		
5	Deng Yixiang	Dr. & Associate Professor	Division of Water Research, Chinese Research Academy of Environmental Sciences	8 Dayangfang BeiYuan Road Chaoyang District Beijing P. R. China	100012	13718966172 dengyixiang@gmail.com
6	Chen Qinghua	Dr. & Engineer	South China Institute of Environmental Sciences	7 West Street, Yuancun Guangzhou P. R. China	510655	86-10-66556289 chenqinghua@scies.org

4.3 Type of training

In-class training:

- F Lecture and co-lecture: let the trainee understand the innovative approaches in coastal and marine spatial planning and make the course interesting;
- F Group works to learn each others by case studies
- F Role playing exercises;
- F Inter-changes among those with and without experience by discussing some specific topics.

Field survey:

Site visits by field will help the trainee to gain the lessons from coastal zone management, through both good case and bad case sites.

4.4 Material for the training

Specially edited national resource document that conveys national information 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.

Material translated and adapted to national language

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

Additional document

UNESCO: Marine Spatial Planning – A Step by Step Approach towards Ecosystem-based Management (English version and published Chinese translation)

4.5 Training Syllabus

Part 1 Introduction

- 1.1 Spatial planning in China and relative authorities
- 1.2 Integrated management of coastal zone
- 1.3 Spatial planning of coastal zone

Part 2 Coastal zone and its functions and services

- 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

Part 3 Zoning of marine and coastal waters

- 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 Item 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 "cell"
- 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

4.6 Agenda of Training Program

Table 5 TRAINING PROGRAMME

Time	Activity
Day 0, 13 November 2012, Tuesday	
	Arrival of participants and guests
Day 1, 14 November 2012, Wednesday	
08:00 – 09:00	Registration Course Secretariat
09:00 – 09:30	Opening Ceremony <ul style="list-style-type: none"> F Statement of VIP from Department of Pollution Prevention, MEP F Statement of VIP from Department of International Cooperation, MEP F Statement from Dr Ellik Edler, Coordinator, COBSEA Secretariat, UNEP (subject to available) F Statement of VIP from local provincial Bureau of Environment Protection
09:30 – 10:00	Introduction of instructors & participants - Prof. Guo Zhenren, Chief Trainer/Instructor
10:00 – 10:15	<i>Coffee Break</i>
10:15 – 10:35	Course objectives, structure and outputs - Prof. Guo Zhenren
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. Yu Xijun, Prof. Guo Zhenren, 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. Guo Zhenren, 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. Guo Zhenren, Dr. Yu Xijun, Dr. Lou Quansheng
17:05 – 18:00	Mainstreaming Disaster Risk Reduction Coastal and Marine Spatial Planning - Mr. Lou Quansheng, Prof. Guo Zhenren
18:30 – 21:00	Dinner Reception
Day 2, 15 November 2012, Thesday	
08:30 – 08:45	Questions/Concerns from Day 1 and Day 2 - Prof. Guo Zhenren
08:45 – 09:00	Marine Spetial Planning - Dr. Lou Quansheng, Dr. Yu Xijun, Prof. Guo Zhenren
09:00 - 09:15	Environmental function zoning in near coastal waters - Dr. Yu Xijun, Dr. Lou Quansheng, Prof. Guo Zhenren
09:15 – 10:15	Contents and steps of coastal spatial planning -Prof. Fang Yu, Prof. Guo Zhenren, 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. Guo Zhenren, Dr. Lou Quansheng
11:00 – 12:00	Ecosystem-based management in the coastal environment/ Comprehensive spatial planning for land and sea - Prof. Guo Zhenren, 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
15:40 – 16:15	Division of coast into "cell"/ Selecting special strategies for shoreline cells -Dr. Deng Yixiang, Prof. Guo Zhenren, 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. Guo Zhenren
17:15 – 18:00	Discussion: Challenges from implementation and monitoring - Prof. Guo Zhenren, Dr. Deng Yixiang, Dr. Yu Xijun, Prof. Fang Yu
Day 3, 17 November 2012, Friday – Field Trip	
0830: – 10:00	Invited talk: International background and advance in coastal spatial planning and cases -Dr Larry Hildebrand (subject to available) or other invited expert
10:20 – 10:30	Assembly – Lobby of Hotel
10:30 – 12:30	Depart for typical newly developing area of Guangxi coast
12:30 – 14:00	Lunch Break
14:00 – 16:00	Depart for Mangrove Reserve – SCS project
16:00 – 17:00	Depart for Hotel
18:00 – 18:30	Presentation of Certificates -VIP from Division of Marine Environmental Protection, Department of Pollution Ovention, MEP
18:30 – 21:00	Closing ceremony, Banquet
Day 4, 18 November 2012, Saturday	
	Depart for Beihai Airport

4.7 Venue of the training

Venue of the training will be Beihai City, Guangxi Zhuang Autonomy Region. It is a beautiful conference and tourism city without many crowded tourists in November. Hotel information and contacts can be seen in Annex: Notification of National Training Course on Coast Spatial Planning – by Ministry of Environment Protection.

5. EXPECTED OUTCOMES

- F The participants will have a better understanding in the basic principles and approaches of coastal and marine spatial planning.
- F The participants will have a better understanding in 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.

- F The participants will understand the new approach in planning process (Coastal and Marine Spatial Planning) and be able to consider some emerging issues in planning process.
- F The participant will gain better consciousness for better coordination among governmental agencies in implementing CMSP in China.
- F The participants will better understand incomplete and even conflicts of current Chinese laws and regulations related to coastal planning and management and will promote improvement of legislative framework.

6. MONITORING AND EVALUATION OF THE TRAINING

A table has been designed as Table 6 to evaluate the training course immediately after the course. The table contains two parts. The first part is to monitor to what extent the participants have gained the concepts, ideas and technologies delivered in this course. The second part is to collect information from the participants on how to improve the course and whether or not to proceed in future.

Table 6 Evaluation of the training course

<p>Please write in your own language what is Integrated Management of Coastal Zone and how to achieve it.</p>
<p>Please write in your own language what is coastal spatial planning and what are the emerging issues to be taken into consideration.</p>

.Evaluation Questions	Ratings Scale 1-5 <i>(please circle a number, as you feel appropriate)</i>	
1. Is the duration of the course appropriate?	1. Too short. Couldn't learn enough in such a short time. 2. A little too short 3. Just fine 4. A little too long 5. Definitely too long. The concepts could be learned in much less time.	1 2 3 4 5
2. How helpful were the course materials? <i>List below the key materials you received:</i>	1. Not helpful. Made things more difficult to learn and understand. 2. 3. 4. 5. Really made things easy	1 2 3 4 5
3. What do you think about the ways that instructor /trainer/ facilitator used in class?	1. Not good. 2. 3. 4. 5. Very good.	1 2 3 4 5
4. How well the sessions were organized (registration, schedule, breaks, refreshments, facilities, ...)?	1. Not well. 2. 3. 4. 5. Very well	1 2 3 4 5
5. How useful should this event be in your daily job?	1. Not useful. 2. 3. 4. 5. Very useful. Will make my job easier and more productive.	1 2 3 4 5
6. Overall rating on the event (from your own perception)	1. Disappointing 2. Nearly OK 3. Good 4. Very good	1 2 3 4

	5. Excellent	5
7. Would you consider organizing a sub-national training in your province or government branch?	1. No 2. Consider and decide later 3. I want to but need to consult my boss 4. I will do if conditions are allowed 5. I will definitely do	1 2 3 4 5
Any Other Comment :		
Signature		
Name		
Position/Department		
Organization		

7. NATIONAL FOLLOW UP NEEDS AND RECOMMENDED ACTIVITIES

Two national follow up needs are identified:

- F Sub-national training courses in provincial level and city level: China is a big country with number of coastal provinces and many coastal cities, a large amount government official and professionals are involved in coastal planning and management. If taking account of various stockholders, that is very big community related to use of coastal zone. Limited training involving only 50 participants cannot propagate the new concepts and methods in coastal planning and management. We should treat the national training as an effort of training trainees. It is necessary to promote further training within all relevant government branches, each coastal province and even in city level involving all stockholders.
- F After the national training course, we will further revise the national resource document and make it published to match the needs of

sub-national training and propagation of coastal management with modern view and methodology.

8. CONCLUSION

- F Support and direct involvement of MEP is a most important factor to guarantee success of the training course. This model should be employed in possible future sub-national training course. Other government branches or provincial/city government should actively involve in organization of all trainings of this kind.
- F Corporation among various government branches must be called for in organizing the training, employing the concepts and methodology in coastal spatial planning and integrated management.
- F Trainers with different expertise from different organizations belong to different government branches is merit for the training course. And
- F Carefully preparation is another guarantee for a fruitful training course.

Annex: Notification of National Training Course on Coast Spatial Planning – by Ministry of Environment Protection

中华人民共和国环境保护部办公厅

环办函〔2012〕1032号

关于邀请参加海岸带空间规划项目培训班的函

各有关单位：

联合国环境署(UNEP)东亚海协作体(COBSEA)于2009年组织启动了“海岸带空间规划”项目。该项目主要目的是通过以培训为主的能力建设手段,针对海岸带当前面临的紧迫环境问题,提高项目参与国政府相关管理部门对海岸带的综合管理能力,促进各利益相关方更好地协调保护海岸带环境,以维持海岸带生态环境的健康,实现海岸带的可持续发展。

根据项目组织实施的安排,前期已有环境保护部、住房城乡建设部和国家海洋局相关人员参加了东亚海协作体组织的区域培训。我方项目承担单位将组织国内培训。为此,定于2012年11月13日在广西北海召开海岸带空间规划培训班。特请你单位派相关人员参加。

一、参加人员：

(一)发展改革委地区经济司、国土资源部规划司、住房城乡建设部城乡规划司、国家海洋局海洋环境保护司,人数自定。

(二)COBSEA区域涉及的上海、浙江、福建、广东、广西和海南等省(区、市)的发改、国土、环保、规划、海洋等部门各1人。

(三)COBSEA区域外的辽宁、河北、天津、山东和江苏等省

(市)环保厅(局)各1人。

(四)北海市发改、国土、环保、规划、海洋等部门及北海海洋环境监测站,人数自定。

二、培训费用:

参会人员交通、食宿费用自理。

三、培训时间:

2012年11月13日-17日(11月13日报到,17日返程)。

四、培训地点:

广西壮族自治区北海市北海海景彩云酒店。

五、联系人:

(一)北海海景彩云酒店

前台:(0779)3899500 李莉华 13977958405

(二)环境保护部华南环境科学研究所

栾玉莹 15622123343 章斌 18922186925

传 真 (020)85525427

(三)环境保护部

陈清华 (010)66556289 传 真 (010)66556272

请填写参会回执(见附件),于2012年9月20日前传真反馈。

附件: 参会回执



附件

参 会 回 执

姓 名	性 别	单 位	职 务 / 职 称	联 系 方 式	到 达 时 间 及 航 班 号	预 计 返 回 时 间

抄 送：华南环境科学研究所。

— 4 —