



NATIONAL TRAINING MANUAL

FOR INDONESIA

*COBSEA NATIONAL TRAINING COURSE ON SPATIAL
PLANNING IN THE COASTAL AND MARINE AREA*



COBSEA
COORDINATING BODY ON
THE SEAS OF EAST ASIA



NATIONAL TRAINING MANUAL FOR INDONESIA

***COBSEA NATIONAL TRAINING COURSE ON SPATIAL
PLANNING IN THE COASTAL AND MARINE AREA***

25 September 2012

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**NATIONAL TRAINING MANUAL
COBSEA NATIONAL TRAINING COURSE
ON SPATIAL PLANNING IN THE COASTAL AND MARINE AREA :
TRAINING MANUAL FOR INDONESIA**

1. INTRODUCTION

Training on Coastal and Marine Spatial Planning (CMSP) will 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 Indonesia. This national training was initiated by Cobsea in 2006 with a post-tsunami project which was then funded by Swedish International Development Cooperation Agency (Sida). The project was planned as 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 the coastal areas through the application of spatial planning. This training is under the Phase-3 of that project which focused on capacity building, national adaptation, demonstrations and is mandated by Training of Trainer on Spatial Planning that 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.

Indonesia has just started with a new era of governance with in some extent influence the scheme of mechanisms in term of utilization of space both in land and sea. The increase role of local government (level of district) in managing their natural resources tremendously affects the scale of resource utilization. It is worsened by the external threats which cannot be solely managed by internal sectors: climate change and its various consequences. The emerging issues such as ecosystem-based management, climate-change and sea-level rise adaptation, disaster risk-reduction and results-based management are the recent issues need to be facilitated into national spatial planning processes and regimes.

2. NATIONAL CHALLENGES IN COASTAL SPATIAL PLANNING

The main challenges in Indonesia related to the implementation of coastal and marine spatial planning can be divided into 3 major issues :

- **Contents/Substantial**
 - Lack of Ecological knowledges among government officials
 - Difficulties in applying socio economic knowledge

- **Management/Implementation of Spatial Planning**
 - Overlapping authorities
 - Lack of Intergovernmental/intersectors coordination in order to develop agreements/consensus
 - Overlap in boundaries and jurisdiction for coastal, marine and terrestrial area

- **Political**
 - local government interests versus government (central government)
 - mismatch of planning and political time scales

3. MAIN NATIONAL NEEDS

The main national needs related to this CMSP are as follows :

- Improvement of both ecological and socio knowledges of the government officials especially related to the concept and implementing spatial planning
- Better application in social economic knowledges for Coastal and Marine Spatial Planning
- Clear authorities' role and responsibility
- Clear boundaries and jurisdiction for coastal, marine and spatial
- Better coordination among governmental agencies in other to finalise consensus and agreements
- inline planning and legislation process

4. OBJECTIVES OF THE NATIONAL TRAINING COURSE

The objectives of this CMSP training are :

- a) to improve the understanding in the basic principles and approaches of coastal and marine spatial planning among the government officials.

- b) To improve the 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 among the governmental officials
- c) To improve the understanding in the new approach in planning process (Coastal and Marine Spatial Planning) among the government officials
- d) To improve the awareness of governmental officials about good coordination and cooperation among different governmental agencies.

5. TRAINING APPROACH

5.1 Type of Training

Type of Coastal and Marine Spatial Training in Indonesia will emphasize on these two main following aspects :

- Training on basic knowledges on the coastal and marine spatial planning
- Training on the process of development of the coastal and marine spatial planning document

5.2 Training Participants

The main people target for this training will be government officers. Since the most problem faced in Indonesia is in coordination among governmental agencies, hence the understanding of each governmental agencies towards cooperation and coordination if 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 as the training participants are as follows :

- Ministry of Environment (2)
- Ministry of Public Works (2)
- Ministry of Internal Affairs (1)
- Ministry of Marine Affairs and Fisheries (2)
- Ministry of Forestry – Marine National Parks (1)
- Ministry of Energy and Mineral Resources (1)
- Ministry of Agriculture (1)
- Bappenas (1)

- Coordination Ministry of Economics (1)
- Ministry of Transportation (1)
- Ministry of Tourism and Creative Economy (1)
- Local Government (3)

5.3 Training Materials

Training materials for this CMSP are as follows :

The training materials structure are depicted in the figure 1 below.

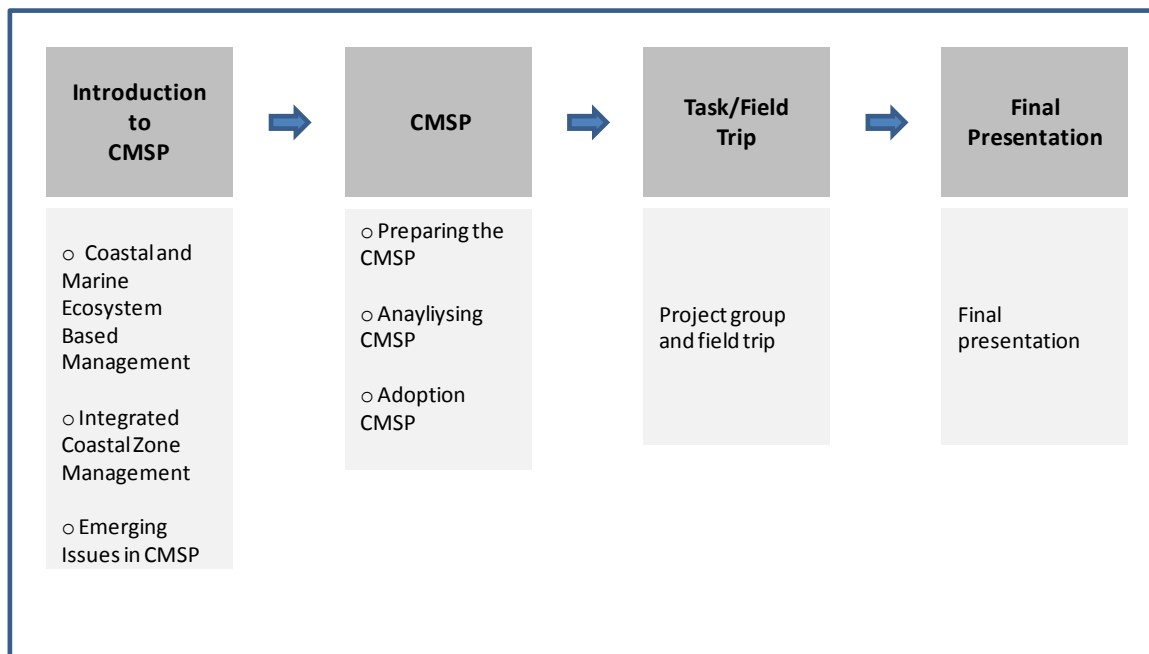


Figure 1. Scheme flow of training topics for Indonesia Training on CMSP.

The training materials are basically can be divided in to four main sections :

- 1. Introduction to Coastal and Marine Spatial Planning (CMSP)**
 - Coastal and Marine Ecosystem Based Management
 - Integrated Coastal Zone Management
 - Emerging Issues in CMSP
- 2. Coastal and Marine Spatial Planning (CMSP)**
 - Preparing the CMSP
 - Analysing the CMSP
 - Adoption of the CMSP

3. Group project/field trip

- Field trip to Thousand Islands
- Setting up the CMSP documents : work groups

4. Final presentation

Detail items of each CMSP training material components are listed in the following paragraphs.

I. Introduction to CMSP

○ Coastal and Marine Ecosystem Based Management :

- Definition of Coastal and Marine Ecosystem Based Management
- How is EBM an improvement on current management?
- Recognizing connections within and across ecosystems
- Applying an ecosystem services perspective
- Understanding and addressing cumulative impacts
- Managing for multiple objectives
- Embracing change, learning, and adapting

○ Integrated Coastal Zone Management :

- Definition of coastal zone
- Boundary of coastal zone
- Coastal zone in Indonesia
- Typical of tropical ecological of coastal zone in Indonesia
- Typical of coastal community in Indonesia
- Interconnection between land, coastal and ocean
- Multi stakeholders role in coastal zone management
- New approach : Integrated River Coastal and Ocean Management (IRCOM)
- Tropical small islands management

○ Emerging issues in Coastal and Marine Environment : Pollution Controls, Degradation, Mitigation, Climate Change

- Environmental issues in Indonesia
- Coastal pollution and degradation
- Environmental impact assessment
- Disaster Risk Reduction (DRR)
- Knowing the coast better with a DRR perspective
- Introducing DRR and its linkages to Climate Change Adaptation
- Assessing the Coastal Risk from Natural Hazards
- Measures for DRR in coastal areas

- Integrating DRR in CZM; Linking Policy to Action
- Climate Change (CC)
- Definition of CC
- Potential threats derived from CC
- Mitigation in CC
- Adaptation in coastal ecosystem and community towards CC impacts
- Mainstreaming DRR and CC in coastal planning and management and CMSP

II. Coastal and Marine Spatial Planning (CMSP)

○ Preparing the CMSP

- Identification of needs
- Identification of financial needs and source of finance
- Organizing the processes
- Organizing stakeholders
- Conflict Management and Resolution
- Institutional Arrangement and Coordination
- Financial Arrangement

○ Analysing the CMSP

- Defining the current and existing condition : coastal and marine ecological and social condition
- Ecological profiles
- Social profiles
- Defining the future targeted condition
- Result based Management

○ Adoption of the CMSP

- Preparing coastal and marine spatial management planning
- Adopting spatial management planning
- How to set up a CMSP document
- Monitoring and evaluation

III. Task Group/Field Trip

○ Trip to Thousand Islands

- Tropical small islands condition
- Tourism
- Coral reef management

- Coral reef, mangrove and seagrass rehabilitation programs
- Small islands communities
- Capture fisheries and mariculture
- Coastal pollution
- Group works and discussion : setting up a CMSP document for coastal area

IV. Final Presentation

- Group presentation
- Discussion and future outlook

5.4 Venue

The training will be conducted in Pangrango II Hotel Bogor. Bogor is a small town located around 40 km southward of Jakarta. The field study area will be in the Thousand Islands, a coral reef tourist area located 40 km northwest off Jakarta Coastline. The trip visit will be one day trip by focusing on : tropical small islands condition, tourism activities, coral reef management, coral reef mangrove and seagrass rehabilitation programs, small islands communities, capture fisheries and mariculture, coastal pollution, and group works and discussion : developing a CMSP for coastal area

6. EXPECTED OUTCOMES

The outcomes from this training course are 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 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.
- 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

7. TRAINING COURSE STRUCTURE

The training course is structured to run over a 5-day period. It will include 4 days of instruction, interaction, group exercises and discussion and a one-day field trip that will place the instructional material and main lessons into a real-life context. One course leader from University (Dr. Luky Adrianto) will lead and coordinate the substantial of the training course assisted by one practitioner of coastal planning management from Ministerial of Marine Affairs and Fisheries and two professors from University. The team trainee team will provide the instruction, each drawing from an extensive base of knowledge and experience in specific topic areas. The course will use a combination of 'lectures' and national group exercises to keep the sessions lively and informative. Three key regional resource documents will serve as reference material and further reference resources will be provided.

8. TRAINING ORGANIZATION

The organization of the Indonesian CMSP are as follows :

- Cobsea Indonesian Focal Point representative : Mr. Heru Waluyo (Indonesian Ministry of the Environment)
- Indonesian training implementation institution : Centre for Coastal and Marine Resources Studies – Bogor Agricultural University (CCMRS – IPB)
- Course Leader : Dr. Luky Adrianto (CCMRS – IPB)
- National Coordinator : Dr. Ario Damar
- National Resource Persons :
 - Benny Bastiawan (Ministry of the Environment)
 - Zulkarnain Daulay (Ministry of the Environment)
 - Kartika Listriana (Ministry of Marine Affairs and Fisheries)
 - Firsta Ismet (Ministry of Public Works)
 - Yus Rustandi (CCMRS Bogor Agricultural University)
- Instructors :
 - Dr. Luky Adrianto (CCMRS IPB)
 - Dr. Soebandono (MoMAF)
 - Dr. Setia Hadi (CCMRS IPB)
 - Dr. Ario Damar (CCMRS IPB)
 - Mr. Yus Rustandi (CCMRS IPB)

9. NATIONAL TRAINING SYLLABUS

No.	Subject/Topic	Time allocation (hrs)	Contents	Trainer
1	Introduction to the Course	60 min	<ul style="list-style-type: none"> ○ Participants introduction ○ Participant expectation ○ The importance of training in CMSP ○ Emerging issues in CMSP ○ Course anatomy 	Course leader Dr. Luky Adrianto
Introduction to CMSP				
2	Coastal and marine ecosystem based management	120 min	<ul style="list-style-type: none"> ○ Definition of Coastal and Marine Ecosystem Based Management ○ 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 How is EBM an improvement on current management? ○ Recognizing connections within and across ecosystems ○ Applying an ecosystem services perspective ○ Understanding and addressing cumulative impacts ○ Managing for multiple objectives ○ Embracing change, learning, and adapting 	Dr. Fredinan Yulianda
3	Integrated Coastal Zone Management	120 min	<ul style="list-style-type: none"> ○ Definition of coastal zone ○ Boundary of coastal zone ○ Coastal zone in Indonesia ○ Typical of tropical ecological of coastal zone in Indonesia ○ Typical of coastal community in Indonesia ○ Interconnection between land, coastal and ocean ○ Multistakeholders role in coastal zone management ○ New approach : Integrated River Coastal and Ocean Management (IRCOM) 	Dr. Soebandono

No.	Subject/Topic	Time allocation (hrs)	Contents	Trainer
			<ul style="list-style-type: none"> ○ Tropical small islands management 	
4	Emerging issues in Coastal and Marine Environment : Pollution Controls, Degradation, Mitigation, Climate Change	120 min	<ul style="list-style-type: none"> ○ Environmental issues in Indonesia ○ Coastal pollution dan degradation ○ Disaster Risk Reduction (DRR) ○ Knowing the coast better with a DRR perspective ○ Introducing DRR and its linkages to Climate Change Adaptation ○ Assessing the Coastal Risk from Natural Hazards ○ Measures for DRR in coastal areas ○ Integrating DRR in CZM; Linking Policy to Action ○ Environmental Impact Assessment in Spatial Planning ○ Climate Change (CC) ○ Definition of CC ○ Potential threats derived from CC ○ Mitigation in CC ○ Adaptation in coastal ecosystem and community towards CC impacts ○ Mainstreaming DRR and CC in coastal planning and management and CMSP ○ 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 	Dr. Ario Damar
Coastal and Marine Spatial Planning (CMSP)				
5	Preparing the CMSP	120 min	<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 Landuse 	Dr. Luky Adrianto

No.	Subject/Topic	Time allocation (hrs)	Contents	Trainer
			planning Identification of needs <ul style="list-style-type: none"> ○ Identification of financial needs and source of finance ○ Organizing the processes ○ Organizing stakeholders ○ Conflict Management and Resolution ○ Institutional Arrangement and Coordination ○ Financial Arrangement ○ Identification of Conflicts in Coastal and Marine Area. 	
6	Analysing the CMSP	120 min	<ul style="list-style-type: none"> ○ Defining the current and existing condition : coastal and marine ecological and social condition ○ Ecological profiles ○ Social profiles ○ Defining the future targeted condition ○ Result based Management ○ Tools in analysing data and information in decision process making ○ FGD 	Dr. Setia Hadi
7	Adoption of the CMSP	120 min	<ul style="list-style-type: none"> ○ Preparing coastal and marine spatial management planning ○ Adopting spatial management planning ○ Setting up the CMSP document ○ Tools and modelling as decision support system in spatial planning ○ Cost benefits analyses in spatial planning ○ Environmental impact assessment in spatial planning ○ Monitoring and evaluation 	Dr. Luky Adrianto
Task Group				
8	Trip to Thousand Islands		<ul style="list-style-type: none"> ○ Tropical small islands condition ○ 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 Tourism ○ Coral reef management ○ Coral reef, mangrove and 	Yus Rustandi Dr. Luky Adrianto

No.	Subject/Topic	Time allocation (hrs)	Contents	Trainer
			seagrass rehabilitation programs o Small islands communities o Capture fisheries and mariculture o Coastal pollution	
9	Group works and discussion		o Developing a CMSP for a coastal area	Yus Rustandi Dr. Luky Adrianto
Final Presentation				
10	Group presentation		o Group presentation o Discussion and future catch	Yus Rustandi Dr. Luky Adrianto

10. RESOURCE MATERIALS

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)

11. SYLLABUS

Topic – 1 Introduction to Coastal and Marine Spatial Planning

Sub Topic -1. Coastal and marine ecosystem based management

Objectives :

At the end of the session the participants would be able to:

- Understand knowledge on coastal and marine area management which is done based on ecosystem functions and roles.
- Understand the ecosystem functions and role of ecosystem for surrounding ecological and social life of human.
- Identify the key factors of managing coastal and marine area based on ecosystem functions.
- Identify interaction among ecosystems in the coastal zone and marine area
- Apply on the principles of coastal zone and marine planning and management.

Session Duration

- Power point Presentation: 60 minutes
- Discussion: 60 minutes
- Total: 120 minutes

The materials :

- o Definition of Coastal and Marine Ecosystem Based Management
- o Coastal area definition
- o Marine area ecological zonation
- o Typology of coastal and marine ecosystems
- o Tropical coastal ecosystem : coral reef, mangroves, seagrass, tidal mud flat, sandy beach, muddy beach and rocky beach
- o Interaction among ecosystems
- o Factors influencing coastal ecosystems and limiting factors How is EBM an improvement on current management?
- o Recognizing connections within and across ecosystems
- o Applying an ecosystem services perspective
- o Understanding and addressing cumulative impacts
- o Managing for multiple objectives
- o Embracing change, learning, and adapting

Sub Topic -2. Coastal and marine ecosystem based management

Objectives :

At the end of the session the participants would be able to:

- Understand the typical characteristics of Indonesian tropical coastal ecosystems and social systems and small islands
- Understand the interaction between coastal and marine area
- Understand the principles of ecosystem based management and its application in coastal and marine area
- Apply on the principles of integrated coastal zone and marine planning and management.

Session Duration

- Power point Presentation: 60 minutes
- Discussion: 60 minutes
- Total: 120 minutes

The materials :

- o Definition of coastal zone
- o Boundary of coastal zone
- o Coastal zone in Indonesia
- o Typical of tropical ecological of coastal zone in Indonesia
- o Typical of coastal community in Indonesia
- o Interconnection between land, coastal and ocean
- o Multistakeholders role in coastal zone management
- o New approach : Integrated River Coastal and Ocean Management (IRCOM)
- o Tropical small islands management

**Sub Topic -3. Emerging issues in Coastal and Marine Environment :
Pollution Controls, Degradation, Mitigation, Climate Change
Objectives :**

At the end of the session the participants would be able to:

- Understand the emerging issues in influencing the spatial planning
- Understand the disaster risk reduction and climate change
- Understand the major impacts of climate change in coastal and marine of Indonesia
- Mainstreaming the emerging issues in coastal and marine spatial planning

Session Duration

- Power point Presentation: 60 minutes
- Discussion: 60 minutes
- Total: 120 minutes

The materials :

- o Disaster Risk Reduction (DRR)
- o Knowing the coast better with a DRR perspective
- o Introducing DRR and its linkages to Climate Change Adaptation
- o Assessing the Coastal Risk from Natural Hazards
- o Measures for DRR in coastal areas
- o Integrating DRR in CZM; Linking Policy to Action
- o Climate Change (CC)
- o Definition of CC
- o Environmental Impact Assessment in Spatial Planning
- o Potential threats derived from CC
- o Mitigation in CC
- o Adaptation in coastal ecosystem and community towards CC impacts
- o Mainstreaming DRR and CC in coastal planning and management and CMSP
- o Factor influencing climate change
- o Indonesian coastal ecosystem role in climate change mitigation
- o Impacts of climate change in coastal and marine area
- o Adaptation of climate change impacts in coastal area
- o Indonesian national policy in climate change

Topic – 2 Coastal and Marine Spatial Planning

Sub Topic -1. Preparing the Coastal Marine Spatial Planning

Objectives :

At the end of the session the participants would be able to:

- Understand the key elements in preparing the document of coastal and marine spatial planning
- Understand the principle of spatial planning and management in Indonesia
- Understand the planning hierarchy in Indonesia
- Understand the organizing the stakeholders in spatial planning process
- Understand the institutional arrangement, financial arrangement and identification of conflicts in coastal and marine area

Session Duration

- Power point Presentation: 60 minutes
- Discussion: 60 minutes
- Total: 120 minutes

The materials :

- o Spatial management policy in Indonesia
- o Spatial management as a comprehensive planning
- o Spatial planning hierarchy and typology in Indonesia
- o Spatial planning contents/ Structure and Landuse planning
Identification of needs
- o Identification of financial needs and source of finance
- o Organizing the processes
- o Organizing stakeholders
- o Conflict Management and Resolution
- o Institutional Arrangement and Coordination
- o Financial Arrangement
- o Identification of Conflicts in Coastal and Marine Area.
- o Miss-coordination among government agencies (vertical and horizontal).

Sub Topic -2. Analysing the CMSP

Objectives :

At the end of the session the participants would be able to:

- Understand the key elements in analyses process in preparing the document of coastal and marine spatial planning
- Understand the current and existing status of coastal and marine area
- Understand the gap analysis of coastal ecological and social quality
- Understand the defining the future targeted condition of a coastal and marine area in term of coastal and marine spatial planning

Session Duration

- Power point Presentation: 60 minutes
- Discussion: 60 minutes
- Total: 120 minutes

The materials :

- o Defining the current and existing condition : coastal and marine ecological and social condition
- o Ecological profiles
- o Social profiles
- o Defining the future targeted condition
- o Result based Management
- o Tools in analysing data and information in decision process making
- o FGD

Sub Topic -3. Adoption of the CMSP

Objectives :

At the end of the session the participants would be able to:

- Understand the technical main processes in preparing the document of coastal and marine spatial planning
- Understand the main data and information need to be collected in preparing a CMSP document
- Understand some tools related to decision support system in preparing CMSP
- Understand the fundamentals elements in monitoring and evaluation as part of CMSP

Session Duration

- Power point Presentation: 60 minutes
- Discussion: 60 minutes
- Total: 120 minutes

The materials :

- o Preparing coastal and marine spatial management planning
- o Adopting spatial management planning
- o Setting up the CMSP document
- o Tools and modelling as decision support system in spatial planning
- o Cost benefits analyses in spatial planning
- o Environmental impact assessment in spatial planning
- o Monitoring and evaluation

Topic – 3 Group Works and Discussion

Sub Topic -1. Field Trip to Thousand Islands, Jakarta

Objectives :

At the end of the session the participants would be able to:

- Understand the ecological and social conditions of coastal, marine and small islands
- Identify environmental problems and threats on natural resources
- Evaluate problems related to implementation of coastal and marine spatial planning in the level of implementation in the field
- Identify ecosystem based tourism development
- Evaluate potential solution for sustainable development in small islands
- Understand the stakeholders involved in the implementation of spatial planning in filed scale

Session Duration

- Field excursion: around 8 hours
- Discussion: 1 hours
- Total: 9 hours

The materials :

- o Tropical small islands condition
- o Visits and discussion to coastal communities, coastal tourism, traditional fish processing centre, mariculture centre, community based management, coastal erosion, mangrove and coral reef management areaTourism
- o Coral reef management
- o Coral reef, mangrove and seagrass rehabilitation programs
- o Small islands communities
- o Capture fisheries and mariculture
- o Coastal pollution

Sub Topic -2. Group works : preparing CMSP document

Objectives :

At the end of the session the participants would be able to:

- Understand the technical process in preparing the CMSP document
- To develop a CMSP document based on a study case on Indonesian coastal area

Session Duration

- Discussion: around 8 hours

The materials :

- Developing a CMSP for a coastal area

Topic – 4 Group Presentation

Sub Topic -1. Group Presentation

Objectives :

At the end of the session the participants would be able to:

- Understand the presentation technique
- Present a CMSP document on the training participants

Session Duration

- Presentation: around 3 hours
- Discussion: 1 hours
- Total: 4 hours

The materials :

- o Group presentations
- o Presentation evaluation by participants and instructors

12. TRAINING PROGRAMME

**National Training Course
on Spatial Planning in the Coastal and Marine Zone in Indonesia
Pangrango 2 Hotel, Bogor, Indonesia
3- 8 December 2012**

Time	Activity
Day 0, 2 December 2012, Sunday	
	Arrival of participants and guests
Day 1, 3 December 2012, Monday	
08:00 – 09:00	Registration - COBSEA CCMRS IPB Indonesia Secretariat
09:00 – 09:30	Opening Ceremony - Statement from Dr. Ellik Adler, Coordinator, COBSEA - Statement from Mr. Heru Waluyo, Indonesian Focal Point Representative KLH - Statement from the Director of CCMRS IPB, the implementing institution - Statement from Dr. Ario Damar, National Coordinator
09:30 – 10:00	Introduction of instructors & participants - Dr. Luky Adrianto, CourseLeader/Chief Trainer/Instructor
10:00 – 10:15	<i>Coffee Break</i>
10:15 – 10:45	Introduction to the course : course objectives, structure and outputs - Dr. Luky Adrianto
10:45 – 11:15	Training expectations - All participants
11:15 – 12:00	Overview of the Spatial Planning National Regional Resource Document - Dr. Luky Adrianto
12:00 – 13:30	<i>Lunch Break</i>
13:30 – 14:30	Ecosystem Based Management - Dr. Ario Damar (CCMRS IPB)
14:30 – 15:30	Ecosystem Based Management - Dr. Ario Damar
15:30 – 15:45	<i>Coffee Break</i>
15:45 – 16:45	Integrated Coastal Zone Management - Dr. Soebandono MoMAF
16:45 – 17:45	Integrated Coastal Zone Management - Dr. Soebandono MoMAF
18:30 – 21:00	Dinner Reception

Day 2, 4 December 2012, Tuesday	
08:30 – 09:00	Questions/Concerns from Day 1 - Dr. Luky Adrianto
09:00 – 10:15	Preparing the CMSP Dr. Luky Adrianto CCMRS IPB
10:15 – 10:30	<i>Coffee Break</i>
10:30 – 12:00	Preparing the CMSP Dr. Luky Adrianto CCMRS IPB
12:00 – 13:30	<i>Lunch Break</i>
13:30 – 14:30	Analysing the CMSP Dr. Setia Hadi CCMRS IPB
14:30 – 15:30	Analysing the CMSP Dr. Setia Hadi CCMRS IPB
15:30 – 15:45	<i>Coffee Break</i>
15:45 – 16:45	Adoption of CMSP Dr. Luky Adrianto CCMRS IPB
16:45 – 17:45	Adoption of CMSP Dr. Luky Adrianto CCMRS IPB
17:45 – 18:00	Briefing for field trip - CCMRS IPB Secretariat
Day 3, 5 December 2012, Wednesday – Field Trip	
04:45 – 05:00	Assembly – Lobby of Pangrango 2 Hotel
05:00 – 06:30	Depart for Marina Ancol Jakarta
07:00 – 09:00	Depart for Pramuka Island, Thousand Islands
09:00 – 14:00	Coral reef and mangrove rehabilitation area, Pramuka Island Sea Farming CCMRS Field Lab
14:00 – 17:00	Depart for Marina Jakarta
18:00 – 20:00	Depart for Pangrango 2 Hotel Bogor
Day 4, 6 December 2012, Thursday	
08:30 – 09:15	Emerging issues in Coastal and Marine Environment: Pollution Controls, Degradation, Mitigation, Climate Change - Dr Ario Damar CCMRS IPB
09:15 – 10:15	Emerging issues in Coastal and Marine Environment: Pollution Controls, Degradation, Mitigation, Climate Change - Dr Ario Damar CCMRS IPB
10:15 – 10:30	<i>Coffee Break</i>
10:30 – 11:30	Work Groups : Setting up a CMSP case study of coastal area in Indonesia - Dr. Luky Adrianto and Mr. Yus Rustandi
11:30 – 12:30	Work Groups : Setting up a CMSP case study of coastal area in Indonesia - Dr. Luky Adrianto and Mr. Yus Rustandi
12:30 – 14:00	<i>Lunch Break</i>
14:00 – 15:30	Work Groups : Setting up a CMSP case study of coastal area in Indonesia - Dr. Luky Adrianto and Mr. Yus Rustandi
15:30 – 15:45	<i>Coffee Break</i>
16:00 – 16:15	Work Groups : Setting up a CMSP case study of coastal area in Indonesia - Dr. Luky Adrianto and Mr. Yus Rustandi
16:15 – 18:00	Work Groups : Setting up a CMSP case study of coastal area in

	Indonesia - Dr. Luky Adrianto and Mr. Yus Rustandi
Day 5, 7 December 2012, Friday	
08:30 – 10:15	Work Groups : Setting up a CMSP case study of coastal area in Indonesia - Dr. Luky Adrianto and Mr. Yus Rustandi
10:15 – 10:30	<i>Coffee Break</i>
10:30 – 11:30	Presentation of CMSP of each group - Training participants
11:30 – 12:00	Presentation of CMSP of each group - Training participants
12:00 – 13:30	<i>Lunch Break</i>
13:30 – 14:30	Presentation of CMSP of each group - Training participants
14:30 – 15:30	Training evaluation - Dr. Luky Adrianto - Mr. Yus Rustandi
14:30 – 15:30	Presentation of Certificates - Dr. Luky Adrianto - Mr. Heru Waluyo
15:45 – 16:00	Closing ceremony - Statement from Dr. Luky Adrianto and Mr. Heru Waluyo
Day 6, 8 December 2012, Saturday	
	Depart for home