

*I*ntegrated Coastal Zone Management



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Programme	Annual International Training Course, Thai International Cooperation Programme
Course Title	Integrated Coastal Zone Management
Duration	August 20 - September 21, 2007 *
Closing Date for Application	April 30, 2007
Number of Participants	20
Invited Countries	Bangladesh, Cambodia, CARICOM Member States, Cape Verde, China, India, Indonesia, Egypt, Jordan, Kenya, Malaysia, Maldives, Myanmar, Mozambique, The Philippines, Senegal, Somalia, Sri Lanka, Timor Leste, Vietnam and Thailand *

* Subject to change by further notifications

Objectives

The training workshop aims to develop capability within individuals from different disciplines and backgrounds for dealing effectively and efficiently with the demands of the multidisciplinary and cross-sectoral coastal zone management. It is designed to expose participants to the reality of the challenges of coastal zone management, and encourage them to develop an effective and sustainable approach to coastal zone policymaking, planning, and management.

Qualifications

Participants for this course should:

- be university graduate or have an equivalent academic background in natural science, fishery science, environmental sciences, marine science, environmental engineering, environmental health science, social sciences;
- be engaged in coastal resources management work with more than two (2) years of practical experience;
- be under forty (40) years of age;
- have a sufficient command of spoken and written English and good personal computer skills in the use of Microsoft software for preparation and presentation of reports;
- be in good health, both physically and mentally. Pregnancy is regarded as a disqualifying condition for participation in the course.

Course Content

The main components of the programme are:

I. Lectures

Module I Why Manage the Coastal Zone?

- 1.1 Introduction to the coastal zone management:
 - Overview of the coastal zone management issues
 - Challenges facing coastal management
- 1.2 What do we mean by the coastal zone?
- 1.3 Evolution and history of coastal management concepts
- 1.4 Sustainable development issue, the governing paradigm
- 1.5 Integrated Coastal Zone Management (ICZM), a tool for the future

Module II Coastal Ecosystems and Management Models

- 2.1 Marine and coastal resources and associated ecosystems
- 2.2 Differences between ecological processes: terrestrial and marine systems
- 2.3 State of the coastal zone in different countries
- 2.4 Coastal zone activities and their impacts



- 2.5 Coastal zone management model
- Objective-based models
 - Multiple Use Model
 - Ecosystem-based Management Model
 - Adaptive Management Model

Module III Socio-economic and Cultural Systems

- 3.1 Social structure
- 3.2 Working in cross-cultural situations
- 3.3 Traditional ecological knowledge, indigenous knowledge, and practices in the coastal zone
- 3.4 Economic system
- 3.5 Background and introduction to community-based management and collaborative management

Module IV International, Regional, National, and Local Environmental Agreements and Arrangements for Sustainable Development

- 4.1 The Earth Summit on Environment and Development
- 4.2 The Ramsar Convention
- 4.3 The Biodiversity Convention
- 4.4 Global programmes on protection of marine environments
- 4.5 International Coral Reef Initiatives
- 4.6 International marine institutions/arrangement and instruments
- 4.7 National and local policies and agreements
- 4.8 Policy/ agreement conflicts between different levels

Module V Methodologies and Tools for ICZM

- 5.1 Technical tools and techniques
- Geographic Information System and Remote Sensing
 - Environmental Impact Assessment
 - Risk and hazard analysis
 - Habitat analysis
- 5.2 Social tools and techniques
- Economic analysis
 - Participatory Rapid Appraisal techniques
 - Participatory Action Research
 - Community-based management
 - Capacity building
- 5.3 Policy tools and techniques
- Planning: concepts and process
 - Policy, guidelines, and legislation
 - Policy analysis
 - Policy design and implementation
 - Public involvement



- 5.4 Educational tools and techniques
 - Public awareness
 - Formal education
 - Informal education

Module VI Making Integrated Coastal Zone Management Work

- 6.1 Planning a monitoring and evaluation programme
- 6.2 Legal and institutional mechanisms for sustainable use of the coastal zone
- 6.3 Sustaining the ICZM programme

Module VII Field Trips and Case studies

- 7.1 Phuket Island
- 7.2 Pak Panang basin
- 7.3 Samui Island and Ao Ban Don Sea Farm Stay
- 7.4 Shrimp farms
- 7.5 Lanta Island (group project on a management plan)

II. Practical Exercises

- Application of GIS and remote sensing for ICZM
- Rapid Appraisal Techniques
- Environmental Impact Assessment (EIA)
- Risk assessment
- Habitat assessment
- Cost benefit analysis

III. Field Trips

- Observation trips to private and government agencies involved in ICZM
- Fieldwork for ICZM practical experiences

IV. Pre-course Assignments

I. Country Report

Each participant is required to prepare and submit a country report on Integrated Coastal Zone Management in his/her country. The report should be approximately 10 pages long, neatly typed and double-spaced, and should be submitted to the ICZM Training Course Coordinator at the address below. The report should be received at least one week before the commencement of the programme. Each participant will be allocated 15 minutes for presentation of his/her report and additional 5 minutes for comments and discussion.

Suggested Format for Country Report:

- Introduction
- Present situation of coastal resources in the participant's country
- General ICZM practices in the participant's country
- Current ICZM project
- Methodologies and measures
- Positive outcomes of the project
- General comments and ideas for further development



II. Reading Assignment

Participants are expected to study the course lecture notes before departing for Thailand to allow them to participate actively and profitably in class discussions. Lecture notes for the programme can be downloaded from the following websites:

<http://www.wu.ac.th/wuicm/Index.html>

<http://walai.8m.com/wuicm/Index.html>

III. Project Assignment

Each participant is required to undertake a group project on a proposed management plan of a selected resort island. The group project should demonstrate the participants' abilities to apply knowledge and techniques to their work. The results of the group project will be presented to an invited audience. There will be comments and discussion from the audience.

Institution

The course will be conducted by:

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