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U.S. INDIAN OCEAN TSUNAMI WARNING SYSTEM (IOTWS) PROGRAM

COASTAL COMMUNITY RESILIENCE (CCR)

THAILAND

NATIONAL TRAINING REPORT

June 4-8, 2007

Best Western Premier Bangtao, Phuket, Thailand

Organized by

Asian Disaster Preparedness Center (ADPC)
Department of Disaster Prevention and Mitigation (DDPM)
U.S. Indian Ocean Tsunami Warning System (IOTWS) Program

With support from

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I. INTRODUCTION

I.1 Background

The Coastal Community Resilience (CCR) initiative is one component of the US Indian Ocean Tsunami Warning System (IOTWS) Program. Building on local knowledge and needs, this initiative supports integrated and more standardized hazard awareness and mitigation efforts that improve public safety during emergencies and builds preparedness against disasters.

The CCR initiative supports the entire Indian Ocean region with pilot activities in Indonesia, Sri Lanka, Thailand, and India. It brings together a variety of practitioners to form a region-wide framework for community-level preparedness and resilience against recurring coastal hazards. The initiative is designed to reach thousands of coastal inhabitants by working collectively through the networks of partner organizations already engaged in disaster preparedness training.

Several elements of coastal community resilience have emerged as the basis for integrating disaster management, coastal management, and community development paradigms into an operational framework for increasing resilience. The CCR system was developed in collaboration with international, regional, and national partners committed to reducing risks of coastal hazards and saving lives throughout the Indian Ocean region. In 2006, the US IOTWS program held national workshops in Indonesia and Sri Lanka and one regional workshop to bring practitioners together to share their community preparedness experiences on a variety of coastal hazards. The project has developed the CCR guidebook and training materials to help build resilience at the community level. The evolving CCR guide will be finalized, printed, and widely disseminated at the completion of the US IOTWS Program in September 2007.



David McKinnie, Peter Collier, Suwit Khanikul, and Luis Jorge Perez-Calderon at the opening ceremony

Atiq Ahmed

The Coastal Community Resilience National Training Workshop in Thailand was held from June 4-8, 2007, at the Best Western Hotel Bangtao, Phuket. Various participants from national agencies, community-based organizations, international NGOs, and other selected institutions attended the five-day training program.

I.2 Training Objectives and Expected Outcomes

The goal of the CCR training workshop in Thailand was to build the capacity of the Thai participants to facilitate initiatives that would increase coastal community resilience. The training objectives were as follows:

- Present and examine concepts, principles, and practices for strengthening coastal community resilience

- Explore options for the application and adaptation of the CCR framework, guideline, and tools
- Develop partnerships and strategies for implementing CCR initiatives in Thailand and regionally

The expected training outputs for the Thailand workshop are as follows:

- Build capacity of a group of practitioners and generate commitment for building resilience in the coastal areas
- Prepare teams who will gain insights and skills in CCR principles, essential elements of resilience, and the tools to build and assess resilience for applying CCR in their own domains
- Receive recommendations for refinement of the CCR initiative including the methodology and guidebook materials in the context of Thailand
- Receive recommendations to develop and test context-based CCR training curriculum
- Inspire and gain commitments from the trained teams to carry out CCR-related initiatives and share outputs during the regional workshop in August 2007.

I.3 Training Participants and Training Team

The Thailand CCR training was comprised of 37 representatives from 18 agencies (see List of Participants in Annex 2). The training team was comprised of a number of trainers and resource people, listed in the table below. Local facilitators who participated in the workshop will become future CCR trainers for Thailand. In addition, simultaneous translators and interpreters provided language support to the expatriate team and participants.

Trainers	Role and Agency
Peter Collier	Chief of Party, US IOTWS Program Integrator (PI)
Kitty Courtney	CCR Core Team, PI
David McKinnie	CCR Core Team, NOAA
Atiq Kainan Ahmed	Lead Trainer, CCR Core team, PI-ADPC
Vorachaporn Phetsuwan (Nid)	Senior Trainer, DDPM
Russell Jackson	Senior Trainer, CCR Core Team, NOAA
Adam Stain	Trainer, CCR Core Team, NOAA
Eric Stephan	Knowledge Management Specialist, PI
Ramraj Narasimhan	Trainer, ADPC
S.H.M. Fakhruddin	Trainer, ADPC
Jedsada Taweekan	Trainer, ADPC



Participants and trainers at the National Training Workshop on Coastal Community Resilience in Phuket, Thailand, June 4-8, 2007

2. CCR NETWORK IN THAILAND

Partnerships for the CCR initiative evolved into a multi-stakeholder network with participation from both the government and NGOs. This is in contrast to the other two countries—Sri Lanka and Indonesia—where national workshops were held prior to the national training and a greater number of NGOs participated. Therefore, for the training event in Thailand, the CCR core team carried out networking and outreach exercises, targeting those agencies working in three different domains, namely disaster management, coastal management, and community development in coastal areas. As part of the outreach efforts, the CCR Lead Trainer and others from the PI and ADPC met key professionals from relevant and interested agencies to discuss both the technical aspects and partnership opportunities. An Expression of Interest (EOI) form was sent to each of the relevant NGOs, which indicated how the CCR approach could be integrated with their ongoing activities. In addition, some of the lead agencies were contacted during the September 2006 field testing stage of developing the CCR guidebook.

For the CCR Thailand training initiative, partnerships and understanding were developed with the following agencies:

- Department of Disaster Prevention and Mitigation (DDPM)
- Asian Disaster Preparedness Center (ADPC)
- Department of Marine and Coastal Resources
- National Disaster Warning Center (NDWC)
- Ministry of Public Health

- Ministry of Education
- Ministry of Human Security and Social Development
- Department of Public Relations
- Department of Provincial Administration
- Department of Community Development
- Department of Local Administration
- Thai Red Cross
- World Wide Fund For Nature (WWF)
- World Conservation Union (IUCN)
- Save Andaman Network
- Asian Institute of Technology

3. TRAINING AGENDA AND DELIVERY

3.1 Training modules and presentations

The Thailand CCR training was designed as a five-day training event. The training event comprised of presentations, discussions, exercises, tools and methods, field exercises, and action planning.

Opening ceremony

The training started with a formal opening ceremony, including Mr. Suwit Khanikul, Deputy Director General (Technical Affairs) of DDPM; Dr. Luis Jorge Perez-Calderon, Deputy Executive Director of ADPC; Mr. Peter Collier, Chief of Party of the US IOTWS Program; and Mr. David McKinnie, US IOTWS Coordinator of NOAA.

In his speech Mr. Suwit Khanikul mentioned that DDPM already has a formal Memorandum of Understanding with several other government agencies for monitoring and implementing disaster management programs. DDPM coordinates activities for a consortium of nine government agencies. The first priority of the consortium is to receive training for developing capacity for natural disaster management. Mr. Peter Collier gave an overview of the US IOTWS Program in the five Indian Ocean countries and the milestones achieved recently.

Technical modules and delivery

The training program is divided into five major modules and supported by the CCR training material workbook (distributed to each participant in Thai and in English). The five modules are:

- Module 1: What does resilience look like?
- Module 2: Defining the enabling conditions for community resilience
- Module 3: Methods and tools to assess resilience
- Module 4: Field practicum (facilitated by ADPC and CDC Ban Nam Khem)
- Module 5: Planning for and building resilience

In general, the participants liked the format of the training and the delivery using a mix of activities (lecture, discussion, working groups, exercises, and field practice).

All five modules were carried out with a dynamic time management approach, that is, individual sessions were not constrained by a predetermined schedule. This enabled trainers to adapt sessions to fit the group's needs and interests. The training agenda is provided in Annex I.

During the first two of days of the program, the training was particularly focused on understanding coastal resilience and vulnerabilities, and a strategic knowledge transfer was undertaken. Key presenters spoke about a range of themes on resilience. For instance, presentations were given on issues including coastal hazards and risks, challenges of building CCR in the community level, introduction to the various domains in managing coastal hazards, the need for coastal resilience, and an introduction to the CCR framework and elements. Illustrative presentations were delivered by key professionals from NOAA, ADPC, and the PI to introduce and build insight on each of the eight elements of resilience under the CCR framework. These presentations were followed up with group work, including an exercise in adapting each of the benchmarks and elements for the Thai context.

Field practicum

On the third day, the participants and training team were taken to Ban Nam Khem for their field practicum, which was organized in collaboration with a coastal community-based organization. In the field, participants were organized into five groups with each using the CCR framework and benchmarks for the empirical assessment exercise. Two groups used focus group discussions with community representatives. Two other groups used interviews: one interviewed district-level government officials, while the other interviewed local Tambon Administrative Office (TAO) officials. The TAO is the sub-district office responsible for building resilience for the Ban Nam Khem community. The fifth group carried out a field mapping exercise using participatory approaches that resulted in extensive information on the risks and resources of the community both thematically and specifically.

Prior to the field day all five groups were introduced to the Ban Nam Khem community through an exciting presentation by the representative from the Ban Nam Khem Community Coordination Center. Each group had prepared for the field work in groups prior to the field day. After returning from the field, the teams again met in their groups and synthesized their findings for a presentation the next day. The participants found this exercise quite interesting and an effective hands-on approach for learning how to use the benchmarks in collecting information directly from the community and local offices.

The fourth day focused on integrated planning and action planning. In the action planning exercise, participants were regarded as resources for both their agencies and for identifying ways to collaborate with others to build resilience. The USAID-funded Post-Tsunami Sustainable Coastal Livelihoods Program also presented a case study. The exercise and presentation helped the participant to think through and develop insights for local initiatives that incorporate the various principals of resilience, as well as to consider the essential domains in their respective contexts.

Language and interpretation

The training program and agenda were developed in close collaboration with the CCR core team, DDPM's training department, and ADPC trainers. Building on the guidance and good experiences from the previous two CCR trainings in Sri Lanka and Indonesia, the Thailand training program and agenda evolved as a second iteration of the program design.

The training program in Sri Lanka was carried out in English only, while the one in Indonesia was a bilingual event. Most of the core workshop materials were translated into Thai from English prior to their distribution into the participants' workbooks. Two different screens and projectors—one for English and the other for the Thai version—were used for presentations allowing each speaker to present in their preferred/native language.

Simultaneous interpretation was used and headsets were provided. Two full-time interpreters, already familiar with the vocabulary and material as they had translated the materials prior to the workshop, worked full-time in the booth during presentations or at the tables during working groups.

Modification of training agenda

Some needed and minor adjustments were made for the Thailand training program agenda, while the overall modular approach and the materials from the two earlier training programs remained the same. These adjustments ensured that the CCR framework and benchmarks were better suited to the Thai context. More time was given to establishing a CCR foundation, such as introducing the concepts and adapting the respective benchmarks.

Use of local trainers and facilitators

The Thailand CCR training program was also implemented with the support of the various local trainers and local facilitators. Such local facilitators from ADPC, DDPM, and the US IOTWS team were engaged in the workshop activities. An expatriate trainer from the CCR Core Team provided guidance during the workshop and development of group activities.

The close contacts between the local trainers and the CCR Team trainers were found to be very effective for further institutionalization and adaptation of CCR approaches in Thailand and in linking these to the larger international CCR initiative in the future.

4. PROPOSED AGENCY ACTION PLANS

The final two days of the training focused on the action planning module. Issues related to building resilience at the community level were discussed, both in terms of intra-agency support and opportunities for inter-agency collaboration. The agencies identified potential activities to develop the CCR initiative or incorporate CCR issues into their ongoing and upcoming programs. They discussed short- and long-term action plans, and participants summarized the plans and various issues for their particular agency at the end of the training. A cross-section of issues that were discussed is outlined below.

DDPM and Consortium

DDPM and the associated consortium discussed the following set of 11 potential activities for CCR:

- Use all eight elements of CCR to assess community resilience – all elements to be used as indicators to assess performance of the Interior Ministry and its CBDRM consortium
- Use the A2 benchmark in setting up disaster prevention and mitigation measures – management planning also needed to ensure achievement of each measure
- Use eight elements of CCR in setting up disaster management strategies
- Promote integration within the consortium
- Make provincial, district, and local action plans
- Expand networking – MOUs will be signed between government agencies, the private sector, and NGOs working on disaster prevention and mitigation
- Provide CCR workshops and training for CBDRM trainers in each province – provide trainers with publications, which they can study and work on more
- Promote recovery and livelihoods, and support victims towards psychological recovery. This is already included in DDPM's community plans.
- Compile details on CCR planning, implementation, and results to be used as a database in the next regional meeting and as a tool to expand networking
- Propose a community-based land-use concept to the Tsunami Prevention and Mitigation Sub-committee (under the National Committee on Civil Defense)
- Enact community-based land-use plans.
- Provide information to related organizations, which can be shared on the internet

Department of Marine and Coastal Resources (DMCR)

The DMCR representative presented the following actions where CCR and related aspects can be incorporated in the future:

- Promote community-based conservation and rehabilitation of marine coastal resources using integrated CCR approaches
- Give training to citizen volunteers to
 - Protect the sea and coastal resources
 - Promote mangrove conservation
- Strengthen the marine resources base and promote sustainable use
- Conduct surveys on marine coastal resources and rare marine species
- Perform research and development to promote marine resources rehabilitation, e.g. coral reefs
- Promote policymaking and law enforcement to support marine coastal resources management

National Disaster Warning Center (NDWC)

Short-term plans:

- Create a database on natural resource management, land use and management, and basic information updates, focusing on fact finding from the community
- Invite community leaders to join NDWC's seminars, workshops, and activities

Long-term plans:

- Coordinate with communities in developing multi-hazard warning systems
- Collaborate with communities in developing local curricula on disaster management (basic education)
- Update database to support the decision-making process (receive, analyze, and disseminate messages) (both a short- and long-term plan)
- Create disaster information networks through community leaders
- Promote integrated collaboration among the public and private sectors and the people
- Promote public relations via community radios, pamphlets, and manuals to build up disaster knowledge and to educate people on preparedness, surveillance, and evacuation
- Hold an “Evacuation Map Contest”
- Create a “Community Alert” attitude
- Build up knowledge on warning systems in villages, communities, sub-districts (tambons), districts, and provinces (Phase 3)

Raks Thai Foundation

The Raks Thai Foundation (i.e., CARE International-Thailand) has the outlined following possibilities for incorporating the CCR framework and lessons:

- Use CCR assessment tools in 17 villages (5 in Krabi, 9 in Phang Nga, and 4 in Ranong)
- Share CCR concepts in the NGOs forum
- Discuss CCR concepts in the National Conference on Risk Management (with 13 NGOs)

World Wild Fund for Nature (WWF) - Thailand

WWF team members suggested that they will include their experiences of this training and knowledge into their ongoing and future initiatives as follows:

- Mangroves for the future
- Green Coast
- Community-based management to preserve coral reefs
- Ecotourism in Phang Nga
- Projects on the conservation of Irrawaddi dolphins and community-based coastal resource management
- WWF/American Red Cross Partnership Program (Water & Sanitation)
- CBDRR Partnership with the Thai Red Cross Society

Thai Red Cross Society

The Thai Red Cross Society has presented their possible plans in coordination with their own major programs. Their plans are outlined below under these respective thematic program areas:

Preparedness Activities to Cope with Disaster

- Raise awareness (short-term campaign activities and training on risk management as a long-term activity).
- Give training on risk management. Conduct local risk reduction projects (long-term)
- Build up volunteers and promote networking (long-term)
- Send delegates to join DDPM in CCR training
- Act as information center. Provide information for related agencies via internet and radio broadcast system under the Disaster Information Center of the Thai Red Cross Society

Relief Work

- RAT (Rapid Assessment Team)
- EMS (in coordination with MOPH)
- Mobile medical unit and psychosocial support (in coordination with MOPH)

Disaster Recovery

- Fundraising and donated articles for four necessities, mobile medical unit (in coordination with MOPH), sanitation (in coordination with MOPH), public utilities (in coordination with responsible agencies), and support on livelihoods (community's needs, natural resources, and environment taken into consideration).

Talay Nok Village Community

(under the Post-Tsunami Sustainable Livelihoods Program)

The local village leaders and the community representation plan to:

- Use CCR assessment tools to improve implementation of community development plans
- Share knowledge on CCR via the Kampuan learning center

IUCN and Mangroves for the Future (MFF)

IUCN's planned support to CCR initiative development:

- Involve coastal communities in on-the-ground projects
- IUCN Thailand Programme
- Mangroves for the Future (MFF)
- Multi-purpose approach

Next immediate activities:

- Share information with and discuss potential uses of CCR with
 - IUCN Asia Regional Office
 - IUCN Thailand Programme
 - FAO
 - Other partners

Potential activities:

- IUCN Thailand Programme (several projects and activities on the ground)
- Test the CCR assessment tool
- Integrate the tool in future activities and modify it

Asian Disaster Preparedness Center
(Various departments)

Short-term plans:

- Integrate CRM element into HVCA methodology of Community-Based Disaster Risk Management (CBDRM)
- CCR can be adopted into two communities in Thailand and Sri Lanka, and countries not covered by the US IOTWS such as Myanmar
- CCR is used in designing project implementation plans, i.e. Enhancing Community Resilience to Natural Disaster in Southeast Asia
- CCR can be integrated as a module into existing training programs, such as Regional Course on DMC, CBDRM and Governance and Disaster Risk Reduction (September 2007)
- CCR can be used as a tool for project monitoring and evaluation

Long-term plans:

- CCR considered as a tool in implementing projects
- Explore opportunity to use CCR tools in existing Climate Forecast Applications (CFA) Program demonstration sites, two of which have significant coastal communities

5. RECOMMENDATIONS AND NEXT STEPS

The Thailand workshop was very productive, with lively participation, transferring of skills, and sharing of information. The participants received training for building resilience in various parts of coastal Thailand as well as for building further capacity within their own agency platforms.

Some of the recommendations and next steps that emerged from the training event are outlined briefly below:

- It was discussed in and emerged from the participants' comments and evaluations that the CCR framework is a very effective way to build resilience for the coastal communities in Thailand. As a framework, and as an assessment and planning tool, CCR and its benchmarks have a great potential among the agency programs and plans in future.
- One possible immediate plan was discussed for conducted an integrated CCR assessment in a community where agencies will participate in the combined assessment. A combined report can be a product for the future. It came out of the discussions that Ban Nam Khem community could be a possibility for such an inter-agency CCR assessment.
- At the end of the training program a follow up "CCR-Trained Contact Group" for Thailand CCR was formed. This group could be essentially and effectively incorporated for the future development of the CCR initiative in Thailand. Various follow-up development works can be proposed through this Contact Group. This group can also be a filter for planning and communicating to a wider

network in the near future. At this point, the immediate contact person for the group was also identified.

- It was recommended that each agency as well as the trained participants would share their experiences and learning with the other members, programs, or relevant professionals for future development of CCR or related resilience building initiative.
- The revised and adapted CCR benchmarks after compilation will be shared with the respective participants (in a suitable format and translation). Also, the Thai benchmarks will be translated back to English and will be shared to the CCR core team for incorporating in the CCR guidebook.
- For the Second CCR Regional Workshop in Bali, each respective agency needs to nominate their representative(s) to the event by the end of July 2007.

Annex I. Training Agenda

(8:30-5:30)	Day 1: MONDAY	Day 2: TUESDAY	Day 3: WEDNESDAY	Day 4: THURSDAY	Day 5: FRIDAY
AM	<p>1. OPENING CEREMONY</p> <ul style="list-style-type: none"> Opening remarks by the NOAA, US IOTWS, ADPC, DDPM <p>2. Overview of the US IOTWS program</p> <p>3. Workshop Process & Objectives</p> <p>COFFEE BREAK</p> <p>MODULE 1 – WHAT DOES RESILIENCE LOOK LIKE?</p> <p>4. ICEBREAKER: Introduction and Expectations</p> <ul style="list-style-type: none"> Introduction to participants by three domains, location of work Participants' expectations Images of resilience <p>5. Presentation on CCR Initiative</p>	<p>9. Introduction to Elements II <i>Warning and Evacuation, Emergency Response</i></p> <p><i>Recovery Socio-Economy</i></p> <p>10. Group Exercise #2: National Context and adaptation of 4 CCR Elements</p> <p>COFFEE BREAK</p> <p>11. Wrap up of national context and adaptation of eight elements: “Round Robin” and Discussion</p>	<p>MODULE 4: FIELD PRACTICUM</p> <p>17. Field site visit and information collection</p> <ul style="list-style-type: none"> 2 sessions of “Focus Groups Discussions (FGDs)” 2 “interview” sessions with local officials 1 session on “participatory field mapping” 	<p>19. Presentations on Field Visit of the Groups</p> <p>a) Presentation by FGD 1 and 2 team b) Interview 1 and 2 team c) Social Mapping Group</p> <p>COFFEE BREAK</p> <p>20. A Case Study on Coastal Community Resiliency: The SCL Experiences</p>	<p>23. CCR Thailand Strategy development and plenary report out</p> <p>COFFEE BREAK</p> <p>24. Course evaluations and reflections video</p> <p>25. Presentation on CCR Next Steps</p> <p>26. Closing and Certificate distribution</p>
	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	Closing
PM	<p>MODULE 2: INTRODUCTION TO ELEMENTS I and NATIONAL CONTEXT ADAPTATION</p> <p>6. Introduction to Elements I: <i>Governance, Land Use Management and Structures, Risk Knowledge, CRM</i></p> <p>7. Group Exercise #1: The National Context and adaptation of 4 CCR Elements</p> <p>COFFEE BREAK</p> <p>8. STOP DISASTERS NOW!</p>	<p>MODULE 3: METHODS AND TOOLS TO ASSESS RESILIENCE</p> <p>12. Presentation of Ranong findings and process</p> <p>13. Uses of CCR Tool and instruments</p> <p>14. Field area overview</p> <p>15. Do’s and Don’ts of Focus Groups & Interviews</p> <p>COFFEE BREAK</p> <p>16. Preparing field teams for field practicum</p>	<p>18. Synthesize/Compile Field Findings and prepare presentations</p>	<p>MODULE 5: PLANNING FOR AND BUILDING RESILIENCE</p> <p>21. Action identification for field site exercise and report out</p> <p>COFFEE BREAK</p> <p>22. Looking beyond the workshop – group discussion on CCR initiative development by agencies</p>	
	(Daily Evaluation: Training team)	(Daily Evaluation: Training team)	(Daily Evaluation: Training team)	(Daily Evaluation: Training team)	

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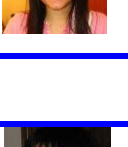
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Training team

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Annex 4. Reflections from the Training Days and Field Practicum





Building professional teams for Coastal Community Resilience in Thailand