



U.S. INDIAN OCEAN TSUNAMI WARNING SYSTEM (IOTWS) PROGRAM  
**PROCEEDINGS**  
**SECOND REGIONAL WORKSHOP ON**  
**COASTAL COMMUNITY RESILIENCE (CCR)**  
**AUGUST 2007**

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Prepared for the United States Agency for International Development  
by the IRG-Tetra Tech Joint Venture



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**SECOND REGIONAL WORKSHOP ON**

**COASTAL COMMUNITY RESILIENCE (CCR)**

**AUGUST 2007**

August 14-16, 2007  
Sanur Beach Hotel, Sanur, Bali, Indonesia

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# I. INTRODUCTION

## I.1 Background

The Coastal Community Resilience (CCR) initiative is one of the major components 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 initiative is fast developing and focuses on local-level capacity building for agencies that have considerable grassroots presence in the Indian Ocean counties.

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

The CCR initiative began through a kick-off Regional Workshop in Bangkok in May 2006. The objective of that workshop was to develop a common understanding and framework for building community resilience in the Indian Ocean region. In that first regional workshop, participants decided that the US IOTWS program, together with the relevant national and local partners, would develop a guide for assessing and building



*Dr. Kitty Courtney, Mr. Winston Bowman, Mr. Michel Vielle, Mr. David McKinnie, and Mr. Atiq Ahmed at the opening session*

community resilience against coastal hazards. Follow-up workshops and consultations were then held at the national level in Indonesia and Sri Lanka. Teams then undertook community-level field testing in Thailand and India.

In December 2006, the program drafted a working version of the CCR Guidebook specifying various standards and elements of resilience. After that, the project developed CCR training materials and carried out three national-level trainings in Indonesia, Sri Lanka, and Thailand for participants from over 130 agencies. Key partner agencies conducted assessments on community resilience and identified ways to incorporate the CCR approach into their ongoing activities. The guidebook will be finalized by November 2007.

## I.2 Objectives and Expected Outcomes

In this situation, the Second Regional Coastal Community Resilience Workshop was organized with following **objectives**:

- Provide an opportunity for trained partner organizations and selected small grantees to share experiences and lessons learned in applying the CCR approach and plans for future community activities in the US IOTWS countries
- Identify areas to improve and adapt the CCR approach and assessment tool
- Provide an opportunity to share information on resilience initiatives since the First Regional CCR workshop in Bangkok
- Provide a venue to discuss good practices and actions to enhance resilience
- Identify sustainability mechanisms and long-term partners for CCR

The **outputs** of the Second Regional CCR workshop are as follows:

- Lessons learned in evaluating and adapting benchmarks of coastal community resilience within the region
- Feedback on the CCR assessment tool and methodology that will be incorporate into the final version
- A set of recommended best practices in enhancing resilience in coastal communities
- Partnerships developed and strengthened to sustain efforts in coastal community resilience

### 1.3 Partnership for the Workshop and Participants

For the Second Regional CCR workshop, representatives from government, non-governmental organizations, and international coordinating bodies from all five US IOTWS Program countries participated.

The workshop brought together 41 participants representing approximately 30 organizations, agencies, and institutional partners cultivated over the past two years to share experiences in implementing CCR, provide suggestions for refinement of the CCR framework and tools, and to exchange information and good practices across the region.

Regional organizations, including the Intergovernmental Oceanographic Commission’s ICG/IOTWS Working Group 6, International Federation of the Red Cross and Red Crescent Societies, the Nature Conservancy, and CARE gave presentations on how CCR reinforces and supports their programs and activities.







*Participants at the Second Regional Coastal Community Resilience Workshop in Bali, August 14-16, 2007*

## 2. COUNTRY PRESENTATIONS AND GROUP WORK

The national-level CCR training events and the past two years of sharing experiences on CCR learning, lessons, and actions remained the major thematic interest of the Second Regional CCR workshop. Various agency representatives who have carried out CCR-related initiatives (assessments, program developments, incorporation into the project activities, plans, training programs, etc.) in their own arena and communities made presentations. Progress on such issues is summarized below.

### Sri Lanka

- **DMC** – Seven assessments and mainstreaming
- **CCD** – Incorporated CCR into the SAMP program and local management practices; carried out assessment
- **SRC and ARC** – Worked together on two assessments, incorporated CCR in their DM activities
- **Sewalanka Foundation** – Two village assessments and incorporation into their program activities and DRM action plans
- **SLIDA** – Training incorporates capacity building of government officials and agencies
- **MIND** – Policy and institutional review and assessment
- **IUCN/MFF** – Information and knowledge sharing; using CCR in the M&E process
- **UNDP** – Proposed in their next round of DM activities
- **USAID** – Knowledge sharing and participation

- **Others** – For example, Practical Action and Eastern University are involved in initiatives with DMC, CCD, ARC, and others

### Indonesia:

- **SURFAID** – Carried out comprehensive round of assessments in 21 villages making use of CCR framework on one island and has plans for other islands, considering a tool for project development
- **DKP** – Under the Sea Partnership Program, undertaken a comprehensive round of training taking 30 provincial facilitators/trainers for future outreach and program/proposal development in a participatory manner
- **PMI (Indonesian Red Cross)** – Developed CBDM curricula and considering CCR in the training delivery stage, also using CCR for outreach and information sharing in South Sumatra
- **CARE** – Used their CCR trainers for other trainings such as DKP-Sea Partnership training and capacity development; Considering CCR as M&E and action planning tools in their program activities
- **ACF** – Extensively used in their village awareness and outreach programs in their pilot sites
- **KOGAMI** – Incorporate in their project activities and education and outreach materials
- **IDEP** – Incorporated in their CBDRM education and outreach
- **MPBI** – Used in their further capacity building and education and outreach

### Thailand:

- **DDPM** – Helping in mainstreaming; carried out a volunteer training; and planning to incorporate into their training, outreach, and program development. Working with a consortium of 12 national government agencies to formulate programs
- **IUCN/MFF** – Information and knowledge sharing internally and among the local partners, also planned to consider this framework in their M&E process; Partnering since the initial development stage
- **Raks Thai (CARE Thailand)** – Planning to incorporate CCR in their DM activities and programs
- **DMCR** – Used in their internal and partners' knowledge sharing and planning to incorporate in their existing and upcoming programs
- **WWF** – Carried out a small grant and have plan to use the framework in the follow up activities
- **Thai Red Cross** – Plan to incorporate in their DM programs
- **Save Andaman Network** – Used the framework in their small grant initiative and in their community-based resource management initiatives locally in the southern provinces of Thailand
- **ADPC** – Incorporated in their future projects in Thailand and other multi-country CCR programs

Atiq Kainan Ahmed, Social Scientist, ADPC and US IOTWS, presented an overview of the status of CCR activities.

**Table. Comparative Overview of the Status and Updates of the Various CCR Activities by Country.**

Activities	Sri Lanka	Indonesia	Thailand	Maldives	India
National Consultation	☆	☆			
Field Testing			☆		☆
CCR Training Program	☆	☆	☆		
CCR Pilot Assessments	☆	☆	☆		
Education and Outreach (by partners)	☆	☆			
Plans and Programs Developed	☆	☆	☆	☆	☆
Follow up Trainings (by partners)	☆	☆	☆		
Participated in CCR development regionally	☆	☆	☆	☆	☆
Small Grants related to CCR	☆	☆	☆		☆

## 2.1 Findings from Various CCR Assessments and Use of the Tool

The following statements on the **effectiveness of the CCR Tools** were noted during country presentations and discussions in the session:

- CCR tools provide a snapshot of the community from which more in-depth assessments can be conducted
- CCR is an effective tool to help the community understand hazards and resilience concepts
- Effectiveness of the CCR tools depends on a clear definition of purpose and target audience
- CCR provides a method to bring government agencies and non-governmental organizations from different sectors together in helping communities build capacity for resilience

In discussing the **adaptation of the CCR tools** the following are noted:

- Benchmarks and best practices should be adapted for the local context
- Proper translation is needed
- Incorporate more participatory approaches for defining resilience questions and conducting assessments
- Take sufficient time to define terminology and ensure that the community understands the terms

Participants also discussed several **outcomes of CCR tool**. Some of the major ones pointed out are as follows:

- Scoring resilience to summarize assessment results needs to be done carefully and with community participation
- Ensure that assessment results are communicated and validated with the community
- Leave hazard maps and other maps with the community



- Assessments needs to lead to community-driven actions to enhance resilience
- Empower communities through training and more direct involvement in the CCR process

In the group discussion after the country presentations, the practitioners answered questions relating to the CCR methodology and its application in their own fields. A good discussion was generated by the participants, with the following major points.

### ***1) What is the value of incorporating CCR?***

- Integrates stakeholder contributions
- Prioritizes issues as many conflicts and issues need to be addressed in the coastal zone
- Compares baseline with progress and impacts of project, e.g. baseline, mid-term, and post-project evaluations
- Identifies weaknesses in the context of governance that can lead to policy development or reform
- Analyzes gaps in institutional development and policy at national, local, and community levels
- Provides a guideline and checklist as important planning tools
- Builds capacity to assess vulnerability at the community level
- Helps merge goals of environmental sustainability with humanitarian efforts, especially rehabilitation and recovery
- Addresses multiple hazards, useful for not only tsunami hazards but episodic and chronic coastal hazards such as sea level rise, coastal erosion, and severe storms
- Helps build understanding of role of the community as a first responder
- Helps integrate results of CCR assessments into existing information bases such as village profiles
- Facilitates the utilization of CCR assessment results by others to prioritize needed actions, and justify need for action in proposal preparation

### ***2) What are the challenges found in using CCR?***

- CCR straddles many elements and is not really designed for any one agency: Who's responsibility is it to take it forward now and in the future?
- CCR assessments could put stress on a community.
- The CCR framework is still new and requires refinements.
- There is a need to keep the concept alive and continually refresh it with new inputs and experiences.

### ***3) What is needed for CCR in future?***

- Financial resources
- Clear mandates for CCR
- Commitment needs to be enhanced
- Lead champion with all agencies involved
- CCR needs to have a home
- Periodic engagement of communities in promoting CCR with no long gaps

- Regular resilience refresher course for practitioners to build critical mass
- Technical assistance from expert agencies
- Local government involvement

## 2.2 Perspectives from two major regional entities

*ICG/IOTWS WG6 presentation  
Mr. Michelle Vielle*

On behalf of the ICG/IOTWS Working Group 6, which is the major body of the inter-agency platform related to community preparedness and resilience, Mr. Michelle Vielle (Chair of WG6) gave an illustrative talk. He discussed working group objectives, plans, and progress on specific measures.

The WG6 Chair pointed out that in the Indian Ocean, the primary efforts have been targeted towards building capacity for community resilience and that of national organizations responsible for disaster response, as well as the decentralization of responsibilities to local levels. CCR and related initiatives, including the USAID project and regional initiative, such as those advocated by UN ISDR and the Indian Ocean Commission, include sharing of best practices and lessons learned on promoting sustainable and diverse livelihoods and supporting social and cultural networks that enhance community resilience.

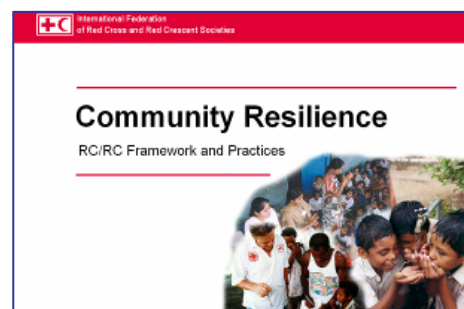


Some of the major issues highlighted in his presentation are as follows:

- IOC-ICG Working Group 6 identifies the need for community resilience and recognizes CCR as a major tool to enhance community resilience in the IO region.
- CCR is now included in the WG6 work plan
- Traditional knowledge should be used so that new procedures are appropriate
- Need to work with media on a regular basis to disseminate the messages for disaster preparation
- Form partnerships and alliances to be effective
- Assess gaps in disaster preparedness as a preliminary process, and it must be done in a participatory manner
- IOC working group process has room for improving efficiency and effectiveness

*International Federation of Red Cross and Red Crescent  
(IFRC) presentation  
Mr. Jeong Park*

Mr. Jeong Park, IFRC Indonesia, shared the perspectives and actions of IFRC on resilience in the coastal communities in the Indian Ocean countries. He pointed out that among the eight elements of resilience, IFRC



and its national chapters are already working on a number of elements. Drawing experiences of IFRC in South and South East Asian countries Mr. Park identified a great need of community resilience in the region and pointed out that with the collaborative and integrating approach the CCR could be a very effective tool for building resilience in the ground level of the IO communities.

### 3. OUTCOMES OF THE WORKSHOP

The workshop validated the relevance of the CCR framework and its adaptability to different institutional, cultural, and country contexts. Participants were clear that the CCR framework and tools were of significant value to their institutions and the region. The workshop also provided the US IOTWS team with useful information to support finalization of the CCR elements, resilience benchmarks, and assessment methodologies as well as “Resilience in Action” examples that will enrich the final version of the guide. Without exception, workshop participants stated their individual and institutional commitment to implementing CCR beyond the life of the US IOTWS program.

Finally, the US IOTWS team proposed a well-received preliminary regional strategy for nurturing and sustaining this new and innovative framework for sustainable development in the context of the priority of disaster risk reduction for donors, governments, and communities in coastal areas globally,

### 4. STRENGTHS, CHALLENGES, AND NEEDS

The Second Regional CCR workshop was very productive, with extensive discussion relating to the CCR concept and practices in the Indian Ocean countries. Potential institutional partnerships and future activities are briefly outlined below.

#### ***Strengths of CCR***

- Integrates and prioritizes issues; identifies stakeholders; evaluates project impact; and identifies gaps in governance, leading to policy development and enlightened senior managers who are not connected to community level development.
- Provides a guideline and checklist for monitoring and evaluating disaster management.
- Opens dialogue on planning to build resilience.
- Can help conservation organizations build sustainable resource use with communities.
- Can help to address climate change issues by building disaster preparedness into conservation planning.

#### ***Challenges to Sustaining CCR***

- Lack of financial resources to implement work plan
- Uncertainty in some organizations regarding CCR focus (e.g. tsunami, other disasters, recurring threats, or other hazards) and how it can be used to address multiple hazards and recurring threats.

- Uncertainty regarding the lead facilitator or implementer.
- Lack of capacity to apply the tool regularly, leading to momentum lags.

***Needs for Institutionalization***

- Lead institution or group of organizations who agree on a common protocol and are willing to use it as a tool, e.g. in Indonesia, lead could be the Department of Marine Affairs and Fisheries.
- Budget allocations.
- Trained local government personnel in use at community level.
- Adoption of CCR by various NGOs and governments for development work
- Financial and technical support from one or more donors following the US IOTWS Program completion.

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# ANNEX 2. WORKSHOP AGENDA

## **PROGRAM DAY 1 (TUESDAY, AUGUST 14)**

### I. OPENING CEREMONY

1:00pm Welcome remarks by Honorable Guests Session Facilitator: Dr. Kitty Courtney

#### I. Opening Remarks and workshop introduction:

- Mr. David McKinnie, US IOTWS Program Coordinator, NOAA
- Mr. Winston Bowman, Regional Environment Director, USAID RDM/A
- Mr. Michel Vielle, Chair, IOC-WG-6
- Ms. Ida Kusuma, Director of Coastal Affairs, Ministry of Marine Affairs and Fisheries, Indonesia

2. An Overview and Background of CCR Initiative by Dr. Kitty Courtney

3. An Overview of CCR Pilot Activities by Mr. Atiq Kainan Ahmed

### II. SESSION 1 – LESSONS LEARNED IN CCR ASSESSMENTS

4. Three presentations highlighting lessons from Indonesia and Sri Lanka

Focus will be on success, challenges and lessons learned related to conducting CCR assessments reflecting issues as:

- Effectiveness
- Adaptation
- Outcomes

5. Question and Answers on session 1

6. Working Groups: Compiling lessons learned in the planning, implementation, and outcomes

7. Plenary discussion and Wrap Up

8. Group Photograph and adjourn

## **PROGRAM DAY 2 (WEDNESDAY, AUGUST 15)**

9. Overview of the day

10. Regional Perspective # 1: Presentation from a Regional Partner/donor (by ICG WG6)

### III. SESSION 2 – BEST PRACTICES OF RESILIENCE

11. Three presentations highlighting examples from Indonesia and Sri Lanka

Focus will be on good practices observed or used by communities that advance resilience. Major issues will be:

- Community Strengths and good practices
- Key weaknesses and realistic actions
- Good practices that integrate across domains

12. Question and Answers and discussion on session 2

13. Working Groups: Compiling Good Practices

14. Round Robin: Process to add and comment of Good Practices and elements

15. Discussion continued on Good Practices

16. Regional Perspective # 2: Presentation by IFRC representative.

### IV. SESSION 3 – INSTITUTIONALIZING CCR IN THE INDIAN OCEAN COUNTRIES

17. Four country speakers will present their experiences of institutionalizing CCR in their own arena. Discussions will be focused on issues such as:

- Integration
  - Coordination and collaboration
  - Mainstreaming etc.
18. Question and Answers with discussion
  19. Working Groups: Planning mechanisms to institutionalize CCR in respective country
  20. Groups prepare for next day presentation
  21. Wrap up of the day

### **PROGRAM DAY 3 (THURSDAY, AUGUST 16)**

22. Overview of the day
23. Presentations from each country team on Institutionalizing CCR: Indonesia, Maldives, Sri Lanka, and Thailand

### **V. SESSION 4 – CCR RESPONSE FROM DONORS AND REGIONAL ORGANIZATIONS**

24. Focused panel discussion reflecting questions:
  - Reflection on what they heard regarding sustainability, advances and gaps?
  - What role could CCR play in their programs?
  - What opportunities exist to assess?
  - What opportunities exist to fill the gaps?
25. Next Steps: Personal, Institutional, Country, Region

Closing addresses

# ANNEX 3. WORKSHOP PHOTOS





