



Sarvodaya



Last-Mile Hazard Information Dissemination Project

Implemented by
LIRNEasia
Sarvodaya

in collaboration with
TVE Asia Pacific
Vanguard Foundation

with support from
IDRC, Canada

Training of Trainers (TOT) Workshop and Field Activities

3 – 9 April 2006

**Sarvodaya Development Education Centre, Bandaragama
and coastal location in Wadduwa**

In the aftermath of the Indian Ocean tsunami of December 2004, it was evident that many lives could have been saved if Sri Lanka and the other affected countries had an effective disaster warning system in place. The lack of a national disaster warning system, compounded by a non-existent local warning communication system and public training, makes it unlikely that hazard information will reach individual households at the "last mile" even if an ocean-based tsunami detection system is deployed. Detection and monitoring systems for tsunamis is necessary, but not sufficient by itself to reduce a tsunami disaster leave alone higher probability disasters like hurricanes, floods and landslides.

An effective national early warning system will include:

- technical systems for detection and monitoring;
- national and local warning communication systems to notify the public;
- a process of training local officials and providing public education to respond appropriately to warnings; and
- preparation of protocols and response plans well in advance of potential hazards.

Recognising this need, LIRNEasia, Sarvodaya, TVE Asia Pacific and Vanguard Foundation have come together to implement the Last-Mile Hazard Information Dissemination Project. It is an attempt to study, experiment and understand which communications technologies and community mobilization methods will work most effectively in disseminating information on multiple hazards faced by Sri Lankan communities. This pilot initiative will be carried out in 32 selected coastal villages.

Week's programme at a glance

Sunday 2 April 2006	
During the day and evening	Participants arrive at Sarvodaya Headquarters in Moratuwa
	Overnight accommodation arranged in Moratuwa

MODULE 1: Classroom work and activities		
Duration: 3 to 7 April 2006 (5 days)		
Monday 3 April	Opening ceremony Introduction of participants Introduction to training	
	Session 1	Getting to know multiple natural hazards
Tuesday, 4 April	Session 2	Understanding Vulnerability and Risk
	Session 3	Approach to Disaster Management
Wednesday, 5 April	Session 4	Participatory Rural Appraisal (PRA) methodology and tools as applied to disaster preparedness and management
	Session 5	Communicating Risks, Hazards and Disasters
Thursday, 6 April	Session 6	Understanding Early Warnings
	Session 7	Disaster Response Plans including Evacuation Strategies
Friday, 7 April	Session 8	Monitoring and Evaluation
MODULE 2: Field work		
Duration: 8 and 9 April 2006 (2 days)		
Saturday, 8 April		Hazard Ranking and Hazard mapping with community
Sunday 9 April		Response planning Evacuation drill (simulation)
End of April 9		Closing ceremony and presentation of certificates

Detailed agenda

MODULE 1: Classroom work

Duration: 3 to 7 April 2006 (5 days)

Venue: Sarvodaya Development Education Centre, Bandaragama

This will be a residential workshop where accommodation is arranged for all participants, and some resource persons, at the venue itself. All meals will be provided.

The entire training event will be conducted in an informal, yet structured manner. Participation in all sessions will be mandatory for all participants.

Key to activities:

- **Lecture Presentation:** This will involve a PowerPoint presentation by resource person/s, sometimes supported by video clips. There will be time and opportunity for discussions in all such presentations.
- **Group work:** Most sessions will have specific time for participants to divide themselves into 3 – 4 groups to engage in parallel activities as briefed by the resource team.
- **Group presentations:** This will see the short, summarized presentations by the groups through a member of each group selected as rapporteur.
- **Video presentations:** These carefully selected video films are integral to the workshop content, and will be preceded and followed by targeted discussions by the resource team. Synopses of videos given towards the end of this note.

Language support:

The workshop will be conducted in Sinhala/English, with Tamil language interpretation being available to those who need it.

Workshop material:

Participants will receive background material as hand-outs in Sinhala/Tamil and English. These will be given throughout the week.

Hand-outs are to be organized in the ring-binder folder that will be given to each participant at registration.

Monday, 3 April 2006		
06:30	Bus leaves Sarvodaya Headquarters with all participants	
08:00	Expected time of arrival at Sarvodaya Development Education Centre in Bandaragama	
08:00 – 08:30	Participants check into their rooms	
08:30	Breakfast	
09:00 – 10:00	Registration for the training workshop <ul style="list-style-type: none"> o Complete registration form o Collect workshop docket with hands-outs and stationery 	
10:00 – 10:45	Opening ceremony: Welcome and introductory remarks by: <ul style="list-style-type: none"> o Dr Vinya Ariyaratne, Executive Director, Sarvodaya o Mr Ravi Kandage, Coordinator, Sarvodaya Shanti Sena o Dr Rohan Samarajiva, Executive Director, LIRNEasia o Mr Nalaka Gunawardene, Director/CEO, TVE Asia Pacific o Renald Lafond/Frank Tulus, Task Managers, IDRC 	
10:45 – 11:00	Introduction and training objectives Dr Buddhi Weerasinghe, TVE Asia Pacific	
11:00 – 11:30	Tea	
11:30 – 12:30	Getting to know each other: <ul style="list-style-type: none"> o Participants to introduce themselves o Resource persons to introduce themselves 	
12:30 – 13:00	Introductory video: <i>Earth Report: Before the Tsunami (Part 1)</i>	
13:00 – 14:00	Lunch	
14:00 – 15:00	Session 1: Lecture Presentation Getting to know multiple natural hazards Supported by video clips	Buddhi Weerasinghe
15:00 – 16:30	Session 1 – Group work	All participants As groups
16:00	Tea served while groups work	
16:30– 17:15	Session 1: Group presentation	Each group's rapporteur
17:15 – 17:30	Wrap-up for the day	Resource team
Evening	Free	
20:30	Evening screening: Disaster related feature film Title to be announced	Attendance is optional

Tuesday, 4 April 2006		
09:00 – 10:00	Session 2: Lecture Presentation Understanding Vulnerability and Risk Supported by video clips	Buddhi Weerasinghe
09:30 – 10:30	Session 2: Group Work Identifying Vulnerable Groups	All participants As groups
10:30 – 10:45	Tea	
10:30 – 11:30	Session 2: Group presentations	Each group's rapporteur
11:30 – 12:30	Screening of video: <i>Children of Tsunami: The Journey Continues</i>	Introduced by Nalaka Gunawardene
	General discussion on issues arising from video	
13:00 – 14:00	Lunch	
14:00 – 15:00	Session 3: Lecture presentation Approach to Disaster Management Supported by video clips	Buddhi Weerasinghe
15:00 – 16:00	Session 3: Group Work Identifying elements at risk	All participants As groups
16:00	Tea served while groups work	
16:15 – 17:15	Group Work continued	
17:15 – 17:45	Session 3 Group Presentations	Each group's rapporteur
17:45 – 18:00	Wrap-up for the day	Resource team
Evening	Free	
20:30	Evening screening: Disaster related feature film Title to be announced	Attendance is optional

Wednesday, 5 April 2006		
09:00 – 10:30	Session 4: Lecture Presentation Participatory Rural Appraisal (PRA) methodology and tools as applied to disaster preparedness and management Supported by video clips	S W K J Samaranayake, Executive Director, Institute for Participatory Interaction in Development (IPID)
10:30 – 10:45	Tea	
10:45 – 12:30	Session 4: PRA methodology and tools Group work and role play activities	Resource team
12:30 – 13:00	Session 4: Group Presentations	Each group's rapporteur
13:00 – 14:00	Lunch	
14:00 – 14:30	Session 5: Video presentation <i>Kumarilage Kathawa</i>	Introduced by Buddhi Weerasinghe
14:30 – 15:00	Discussion arising from video	Resource team
15:00 – 16:00	Session 5: Lecture Presentation Communicating Risks, Hazards and Disasters	Nalaka Gunawardene Buddhi Weerasinghe
16:00 – 16:15	Tea	

16:15 – 17:00	Free	
17:00	Participants leave on a boat tour of Bolgoda Lake	
18:00	Arrive at Paradise Inn Deltara (on the bank of Bolgoda Lake) for mid-week dinner reception hosted by TVE Asia Pacific	All participants All resource persons Partner organization representatives
21:30	Bus transport arranged for participants to go back to Bandaragama Sarvodaya Centre	

Thursday, 6 April 2006		
09:00 – 10:00	Session 5: Group discussion Appropriate communications methods and materials for disaster preparedness and risk communication An experience from Vietnam	Buddhi Weerasinghe
10:00 – 10:30	Session 5: Video presentation <i>Looking Back – Lessons Learnt from Ratnapura</i>	Nalaka Gunawardene Buddhi Weerasinghe
10:30 – 10:45	Tea	
11:00 – 12:00	Session 6: Lecture Presentation Understanding Early Warnings Using case studies from Asia Pacific region	Buddhi Weerasinghe Nalaka Gunawardene
12:00 – 13:00	Session 6: Group work Early warning dissemination: The Sri Lankan Context	Buddhi Weerasinghe to facilitate LIRNEasia & Sarvodaya to join
13:00 – 14:00	Lunch	
14:00 – 15:00	Session 6: Group presentations	Each group's rapporteur
15:00 – 16:00	Session 7: Lecture Presentation Disaster Response Plans & Evacuation Strategy	Buddhi Weerasinghe
16:00 – 16:15	Tea	
16:15 – 16:30	Discussion and group exercise explained	Buddhi Weerasinghe
16:30 onwards	Groups are free to continue their group exercise at their leisure	
Evening 20:30	Free Evening screening: Disaster related feature film Title to be announced	Attendance is optional

Friday, 7 April 2006		
09:00 – 10:00	Session 7: Group Presentations	Each group's rapporteur
10:00 – 10:30	Discussion time	
10:30 – 11:00	Tea	
11:00 – 11:30	Session 8: Lecture Presentation Monitoring and Evaluation	Buddhi Weerasinghe
11:30 – 13:00	Session 8:	Resource team

	Group work on evaluation	
13:00 – 14:00	Lunch	
14:00 – 14:30	Session 8: Group presentations	Each group's rapporteur
14:30 – 15:00	Briefing and discussion on field activities to be carried out on April 8 and 9	Resource team
15:00 – 15:30	Video screening: <i>Kantale: 19 years later</i>	
15:30 – 16:00	Discussion time	
16:00	Tea	
16:15 onwards	Free time Limited over cricket match? Other fun and game activities?	
Evening	Free	
20:30	Evening screening: Disaster related feature film Title to be announced	Attendance is optional

MODULE 2: Field based activities

Date: 8 – 9 April 2006 (2 days)

Location: a coastal village in Wadduwa

Saturday, 8 April 2006		
08:00	Depart Bandaragama by bus for Wadduwa All participants to be ready by 7.45 am	
09:00	Reach Wadduwa field activity location	
09:00 – 13:00	Hazard Ranking and Hazard mapping with community	Resource team to facilitate
11:00	Tea (while engaged in field activity)	
13:00 – 14:00	Lunch	
14:00 – 14:30 14:30 – 15:30	Preparation of Community Hazard and Risk Map: Identification of vulnerable groups	Resource team to facilitate
15:30 – 15:45	Tea	
15:45 – 17:00	Identifying evacuation shelter/s and evacuation route/s	Resource team to facilitate
17:15	Bus leaves Wadduwa taking all participants back to Bandaragama	
Evening	Free	
20:30	Evening screening: Disaster related feature film Title to be announced	Attendance is optional

Sunday, 9 April 2006		
08:00	Depart Bandaragama by bus for Wadduwa All participants to be ready by 7.45 am	
09:00	Reach Wadduwa field activity location	
09:00 – 11:00	Response planning	Resource team to facilitate
11:00	Tea (while engaged in field activity)	
11:00 – 13:00	Develop strategy for warning dissemination	
13:00 – 14:00	Lunch	
14:00 – 14:30 14:30 – 15:30	Formulating an evacuation drill	Resource team to facilitate
15:30 – 15:45	Tea	
15:45	Bus leaves Wadduwa, taking all participants back to Bandaragama	
17:00 – 17:30	Participatory Evaluation of workshop	Resource team to facilitate
17:30 – 18:00	Closing ceremony: - presentation of certificates - closing remarks by organisers	
19:00 onwards	Bonfire and cultural performances by participants	

Resources at both locations:

- Flip Charts, Marker Pens

Resources for Classroom Module (at Bandaragama):

- LCD Projector and white screen
- Computer with DVD playback
- VHS video player
- Speakers for computer

Details of video films to be screened

Earth Report: Before the Tsunami (Part 1 of 2)

The scale of the death and destruction wrought by the Tsunami in Asia has shocked the world. Few disasters of this magnitude have ever been recorded. Though earthquakes are difficult to predict, questions are being asked. How many lives could have been saved if people had been more aware and better prepared? In this Earth Report, we go on a journey to the world's disaster hotspots. We assess what is being learned from the natural disasters that affect the lives of some 200 million people every year -- this is seven times the number of people affected

by war. And we find that even in the poorest nations, the loss of life and damage can often be reduced by modest investment in early warnings and public education.

The film ends with the words of Salvano Briceno Director, International Strategy for Disaster Reduction: *"There cannot be sustainable development without reducing risk and vulnerability to natural hazards because the hazards are becoming for many countries the main obstacle to their development."*

Duration: 25 mins

Year of production: 2005

Countries filmed in: Democratic Republic of Congo, Haiti, Cuba, Bangladesh

In each country, a locally based production crew carried out filming for TVE Asia Pacific.

Produced by: Earth Report Commissions Limited, UK

Children of Tsunami: The Journey Continues

They have never met each other. Some have never traveled beyond their native village. They all belong to statistically average families in their communities. Five girls and three boys – aged 8 to 16 – living in coastal areas of India, Indonesia, Sri Lanka and Thailand. Each family was hit by the Asian Tsunami of December 2004. Some lost their loved ones; or their homes; or their belongings. Many found their livelihoods gone and families rendered destitute.

As they cope with the many challenges of rebuilding their shattered lives and livelihoods, the Children of Tsunami tell us their personal stories of anguish and survival, courage and resilience. These testimonies are a mirror that reflects the long and arduous journey back to normalcy for millions of Asians affected by one of the worst natural disasters of all time. Along the way, we also probe what happened to the massive volume of donations the world pledged to help the survivors.

TVE Asia Pacific commissioned locally based film-makers in each country to keep revisiting these families every month for most of 2005. In this documentary, we compile the highlights and lowlights of our featured children – as well as their families and communities – in what was Asia's longest year.

Their journey is far from over.

Duration: 48 mins

Year of production: 2005

Countries filmed in: India, Indonesia, Sri Lanka, Thailand

In each country, a locally based production crew carried out filming for TVE Asia Pacific.

Produced by: TVE Asia Pacific

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Kumarilage Kathawa

(Single episode tele-drama in Sinhala)

The story revolves around a young girl Kumari, living in Ratnapura and betrothed to an undergraduate Nimal studying Geology. She lives with her widowed mother and younger brother

and her uncle (mother's brother) plays the role of a dominant guardian angel. The uncle buys a plot of land as her dowry. Nimal finds that this is landslide prone, and wants her to reject it.

Conflict sets in and the angered uncle marries off Kumari to his widowed son-in-law. They settle down in a house built on the controversial plot of land. Nimal learns of all this when he returns home after the University exams, and is struck with grief. Pending results, he volunteers to teach at his old school and spreads awareness on landslides to the school children. The film builds to a climax when Kumari's house is buried under a landslide and her fate is uncertain...

The story brings out a message that heeding disaster warnings can save lives and prevent property losses. The film was selected for screening at the first UNESCO/INPUT Film Festival for creative television in Kathmandu, Nepal, in 1999.

Duration: 26 mins

Year of production: 1998

Countries filmed: Sri Lanka

Produced by: Media House, Open University of Sri Lanka

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Looking Back: Lessons Learnt from Ratnapura

The Sri Lanka Urban Multi-Hazard Disaster Mitigation Project funded by the Asian Disaster Preparedness Center, Bangkok, carried out a 5-year pilot project for disaster mitigation in Ratnapura district in 1998 - 2002. Work included developing an emergency response plan for the city and building up public awareness. However, in May 2003, the city was struck by devastating floods. The film is a collection of people's reactions as to how they see the impact of the disaster mitigation work after this disaster.

Duration: 20 mins

Year of production: 2003

Countries filmed: Sri Lanka

Produced by: Media House, Open University of Sri Lanka

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Kantale: 19 Years Later

There are approximately 320 medium and large dams in Sri Lanka that are controlled by the Irrigation Department, Mahaweli Authority, CEB and Provincial Councils. In addition, there are around 10,000 small dams that are under purview of Agrarian Services Department that may trigger cascade effects during a disaster. Out of the above, most of the dams are more than 1,000 years old. The consequences of a major dam failure in Sri Lanka can be devastating to life, property and the environment.

This is not a theoretical possibility but something that occurred in the recent past. The Kantale dam -- 50 feet high and 13,760 ft long -- is nearly 1,400 years old and was restored in late 1800s. The dam breached in the early hours of 20 April 1986, rapidly flooding villages

downstream. It killed 127, displaced 10,000, damaged 1,600 houses and caused property damage worth Rs. 575 million.

This video documentary was with accounts from survivors of the Kantale dam breach and information on the current status of hazard precautions. Interviews with survivors of the Kantale dam breach and from the engineers who were present during the disaster were used to create a timeline of how the disaster unfolded; how effectively warning was issued and acted upon and why 127 lives were lost and how it could have been prevented. The testimonies were edited to encapsulate the lessons learnt from the Kantale dam breach and were used as an awareness raising tool in the town meetings. A collage of video clips from the community meetings was compiled that illustrated the range of responses received from key stakeholders.

Duration: 17 mins

Year of production: 2005

Countries filmed: Sri Lanka

Produced by: LIRNEasia and Vanguard Foundation