

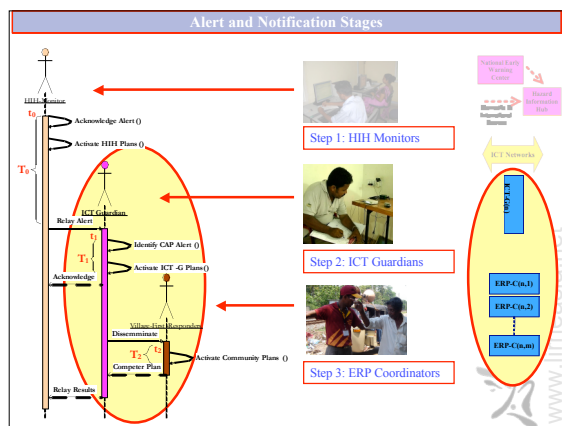
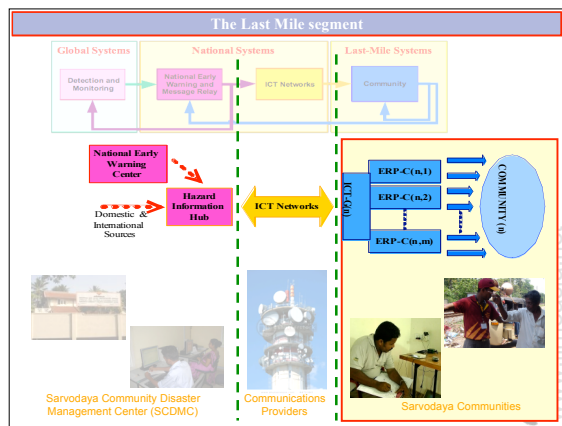
First-Responder Action: Sri Lanka Experience

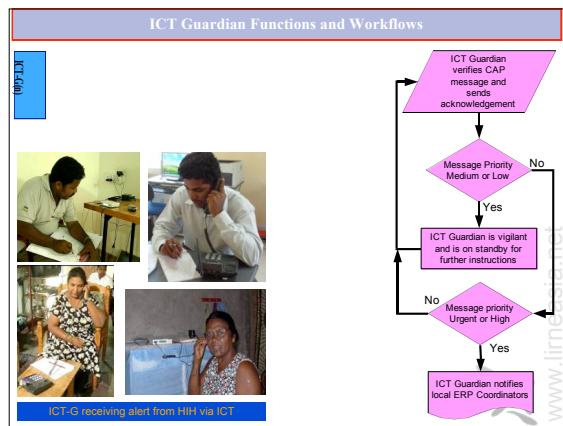
Sharing knowledge on Disaster Warnings
Community based Last-Mile Warning System
Jakarta, Indonesia
March 05, 2008

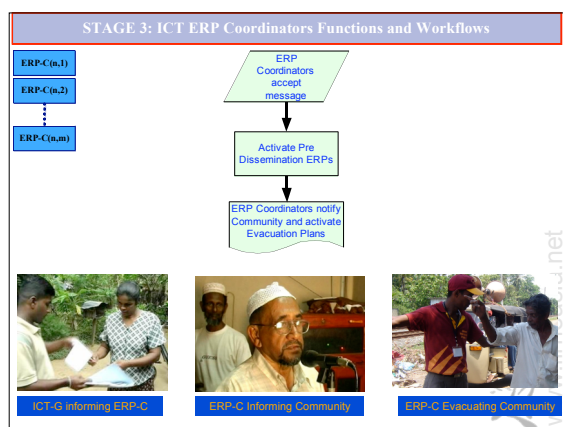
Nuwan Waidyanatha
March 05, 2008
Jakarta, Indonesia
waidyanatha@lirne.net
+86 13888446352

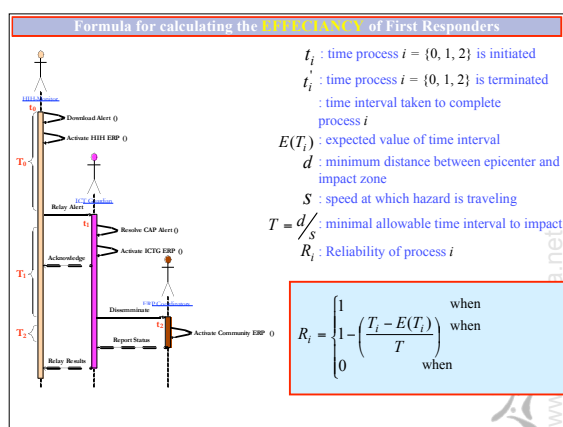


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Measure of EFFECTIVENESS of Community Actions




Effectiveness of the **ICT Guardian** was measured based on whether they were capable of --

- Recording the mandatory elements of the CAP Profile in the "Alert Log"
- Interpreting the priority of the alert



Effectiveness of **ERP Coordinator** was measured based on whether they were capable of --

- Activating the first-aid, security, dissemination, and evacuation teams
- Providing accurate instructions to the households
- Getting all the notified house holds to participate

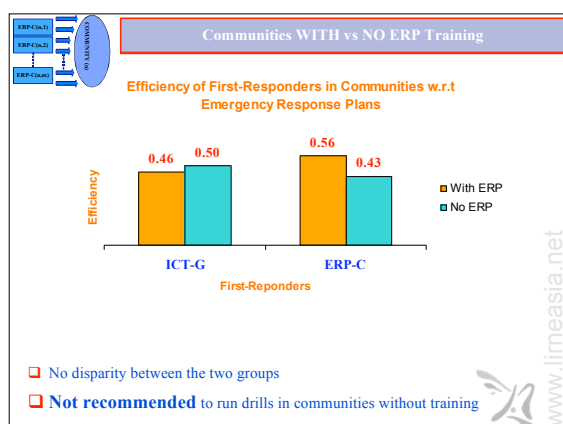


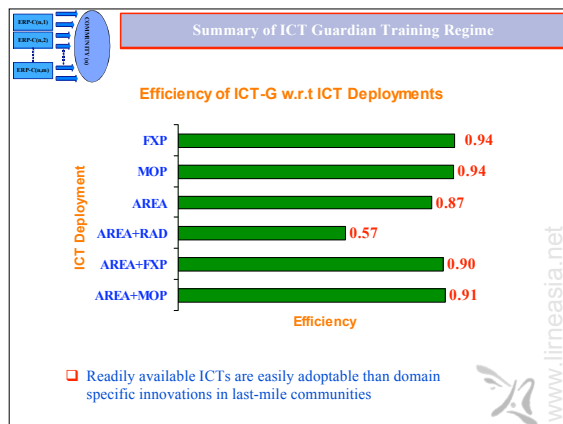
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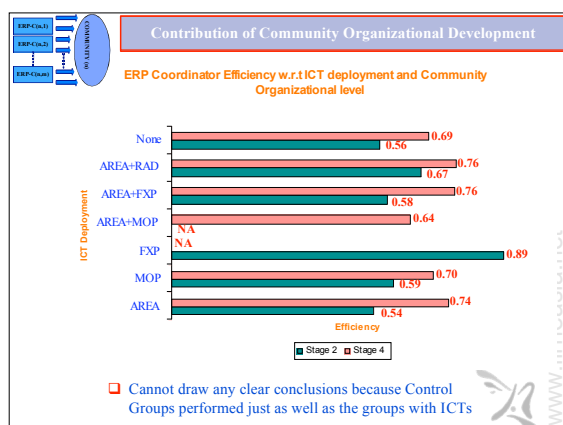
Research Matrix									
With ERP Training					No ERP Training				
Sarvodaya Stage 3	VSAT Unawattha (Galle)	MoP Nedur (Batticalo)	FxP Thirukadalar (Trincomalee)	AREA Moratuwaella (Colombo)	MoP Meddawatha (Matara)	MoP Thambuluvil (Kalmunai)	FxP Oluvile (Kalmunai)	AREA Naggona (Kulutura)	
	AREA + RAD Modanapallasa (Hambantota)	AREA + FxP Matdagama North (Matara)	AREA + MoP Palimunsal (Batticalo)	Control Village Rayasinghapaya (Ampara)	AREA + RAD Thondamanar (Jaffna)	AREA + FxP Karathivay (Kalmunai)	AREA + MoP Munnai (Jaffna)	Control Village Modara (Colombo)	
Sarvodaya Stage 4	VSAT Modaragama (Hambantota)	MoP Oyalagoda (Kulutura)	FxP Periyakallar (Batticalo)	AREA Panama North (Ampara)	MoP Satur-kondagaya (Batticalo)	MoP Samodhagam (Hambantota)	FxP Indurinna (Galle)	AREA Brahmanawatha (Galle)	
	AREA + RAD Kalmunai II (Kalmunai)	AREA + FxP Samudragama (Trincomalee)	AREA + MoP Vellengoda (Galle)	Control Village Herissa South (Matara)	AREA + RAD Venamulla (Galle)	AREA + FxP Kottagoda (Matara)	AREA + MoP Thallata South (Matara)	Control Village Thalliyiya (Kulutura)	

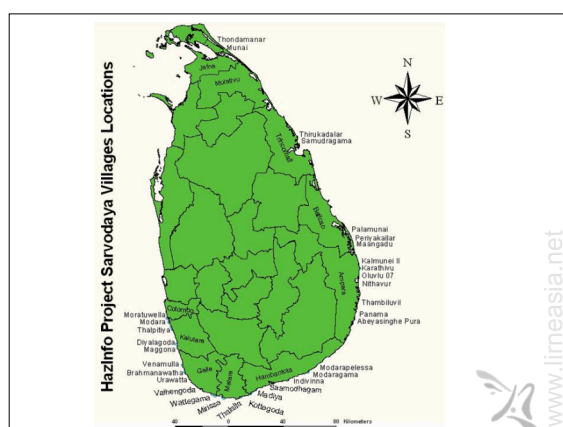
AREA: Addressable Radio for Emergency Alerts, Class B configuration of WorldSpace System
MoP: Java enabled Mobile Phone, Dialog-Microimage innovation MiDews application
RAD: Remote Alarm Device, Dialog-University-of-Moratuwa Innovation
FxP: CDMA Wireless Fixed Phones with 1xRTT functions, Sri Lanka Telecom
VSAT: Very Small Aperture Terminals coupled with Internet Public Alerting System Innovative-Tech & Solina Networks

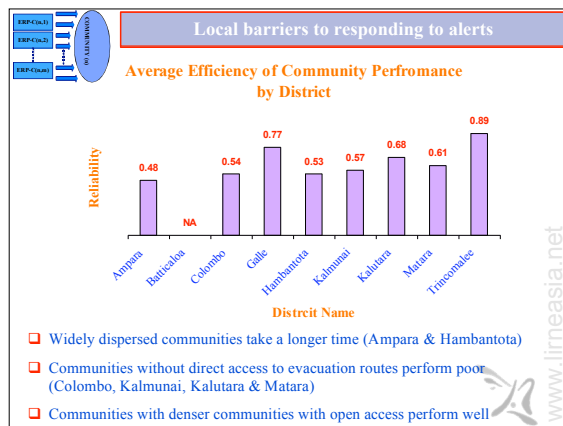
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- Problems encountered in the Communities**
- Exercising Tsunami ERP when issued Cyclone warning
 - Did not hear the temple bell or mosque announcement
 - Church wall preventing people to use shortest path to assembly point
 - ICT Guardian having trouble locating ERP Coordinator to relay message
 - People afraid to leave homes because no mechanism to lock homes
 - Planned method of using gun shots could not be exercised due to conflict situation in country
 - Readying event for big-shot official to make speech and not readying for simulation drills
 - Revelry between Sarvodaya and Non Sarvodaya members in same village
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- Best Practises drawn from the Research**
- Conduct simulations in 3 stages** systematically
 - First* - 'Table Top' exercises for all local hazards with the Community First Responders
 - Second* - informed and properly planned drills for subset of the community with a surprised hazard event
 - Third* - with notification of date but surprise with the time and hazard
 - Planning and Simulation** are a necessary condition for Early Warning System development
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