Elements of a community-based warning system*

* and its relation to a public warning system

Rohan Samarajiva

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Agenda

- The disaster cycle and the role of ICTs in disaster risk reduction through warning
- Parallels between the classic public warning model and the community-based hazard information model
 - Early warning center -- Hazard information hub
 Communication to first responders communication to community leaders
 - Last mile

The disaster cycle Mitigation Bisk Reduction Recovery Prevention Response Preparedness Hazardous event Warning Key role for relecom & electronic media























Pilot project results

Efficiency of receiving the outputs of hazard detection and monitoring system

- Procedures for authorization of message, if any
- Efficiency of transmitting message
 - Role of Common Alerting ProtocolSingle-input multiple-output mechanism
 - Single input multiple output meenanism

Elements of a solution re transmitting messages

- Filling in of standard template that includes automatic translation based on look up of dictionaries
- Single button transmission in multiple media and multiple languages
- □ Achievable in a few months
 - Need to develop internal protocols
 - CAP broker software
 - Equipment at media newsrooms and telco operations rooms
 - Procedures for verification that do not involve a oneon-one phone call







Which work best?

- $\hfill\square$ Eight modes (individual and combined)
- Reliability and effectiveness (composite measures)
- Complementary redundancy





Community specific

- □ Forms of training that will work
- Levels of organizational strength
- Importance of emergency response plans
 Plan without simulation is no plan
 - Simulation without plan cannot be done



