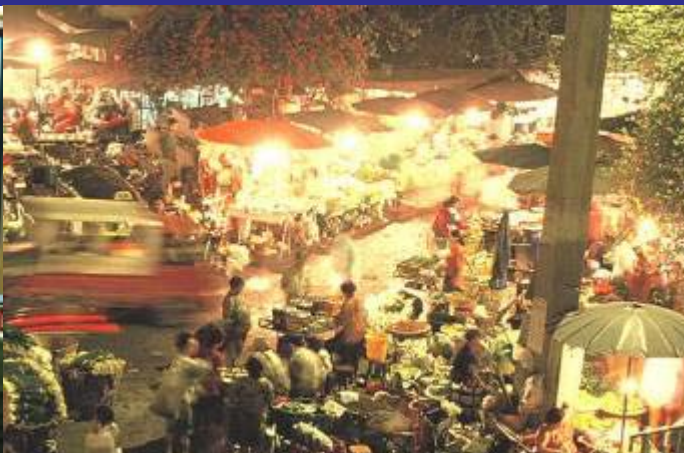


Disaster Risk Assessment and Disaster Risk Reduction



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Asia-Pacific
Economic Cooperation



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Session Overview

- Introduction
 - Understand Terms and Definitions
 - Discuss an Approach to Disaster Risk Reduction
 - Explore the Role of Risk Information in Reducing and Managing Disaster Risk

Disaster Risk Reduction (DRR) Terms

- Disaster Risk

“The potential disaster losses, in lives, health status, livelihoods, assets and services, which could occur to a particular community or a society over some specified future time period.”

(UNISDR, 2009)

Disaster Risk Reduction (DRR) Terms (Continued)

- Disaster Risk Management

“The systematic process of using administrative directives, organizations, and operational skills and capacities to implement strategies, policies and improved coping capacities in order to *lessen the adverse impacts of hazards* and the possibility of disaster.”

(UNISDR, 2009)

Disaster Risk Reduction (DRR) Terms (Continued)

- Disaster Risk Reduction

“The concept and practice of reducing disaster risks through systematic efforts to *analyze and manage the causal factors of disasters*, including through reduced exposure to hazards, lessened vulnerability of people and property, wise management of land and the environment, and improved preparedness for adverse events.”

(UNISDR, 2009)

Disaster Risk Reduction (DRR) Terms (Continued)

- Risk Assessment

“A methodology to determine the nature and extent of risk by analyzing potential hazards and evaluating existing conditions of vulnerability that together could potentially harm exposed people, property, services, livelihoods and the environment on which they depend.”

(UNISDR, 2009)

The Role of Risk Assessment in Reducing and Managing Risk

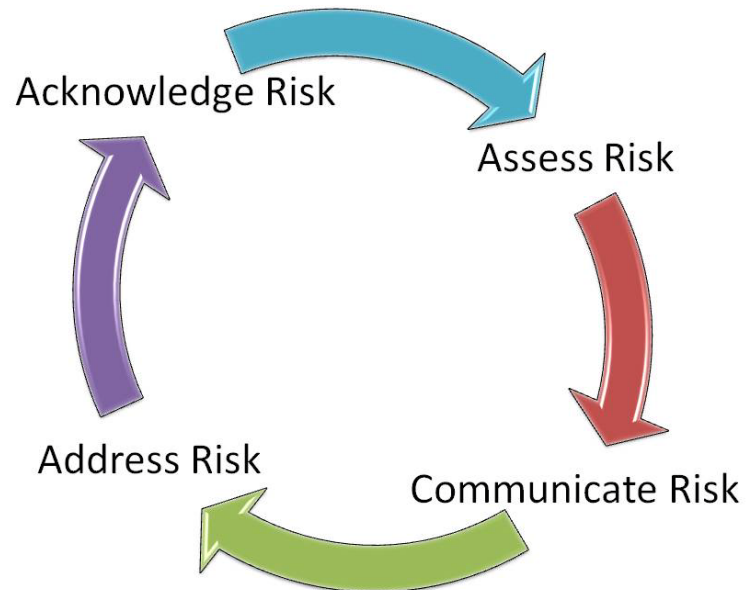
- Support other DRR requirements.
- Help disaster managers, decision makers and the public understand the patterns of risk and potential consequences.
- Identify gaps and “hotspots.”
- Help make disaster management activities more effective.

The Role of Risk Assessment in Reducing and Managing Risk (Continued)

- Enable prioritization of resources.
- Supply both the content and form of communication.
- Allow decision makers to set meaningful goals.
- Makes the idea of risk more tangible.

An Approach to Disaster Risk Reduction (DRR)

- A Basic Approach to DRR
 - Managing and reducing disaster risk are complex activities comprised of many tasks. However, a general approach to DRR can be described in much simpler terms.
 - One way to conceive of DRR is as having four (4) interrelated steps.



An Approach to Disaster Risk Reduction (DRR) (continued)

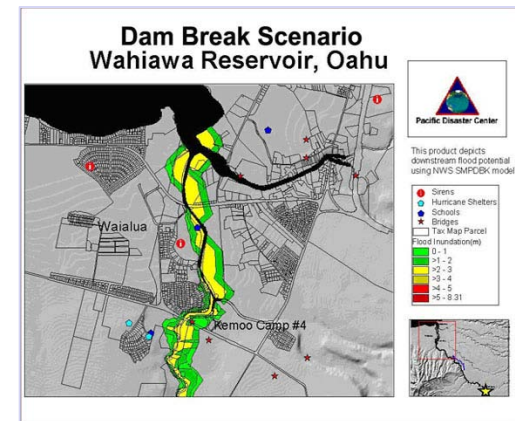
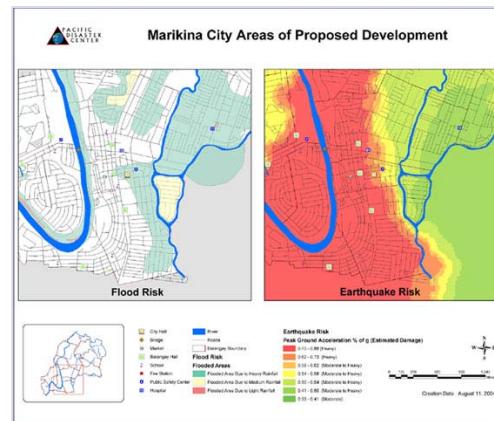
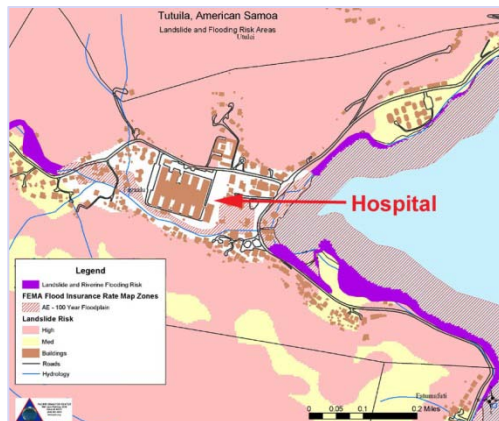
- Acknowledge Risk
 - In order to successfully reduce and manage disaster risk, it must be acknowledged. Advocacy must be built at all levels and sectors of society in order to set and achieve meaningful goals.



An Approach to Disaster Risk Reduction (DRR) (continued)

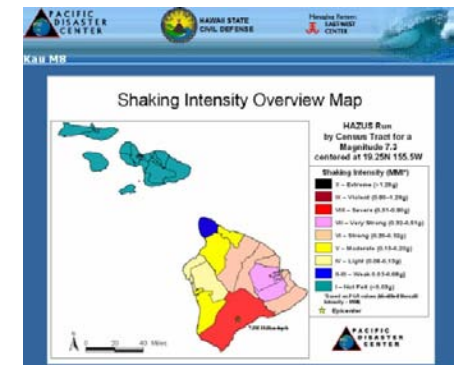
- **Assess Risk**

- Risk assessments are a critical piece of the DRR process and help to operationalize DRR efforts. It is in this step that the causal factors of disaster are analyzed.



An Approach to Disaster Risk Reduction (DRR) (continued)

- Communicate Risk
 - Unless risk concepts and risk assessment results are communicated to decision makers, planners and the public, it is unlikely that concrete steps will be made to reduce risk.



An Approach to Disaster Risk Reduction (DRR) (continued)

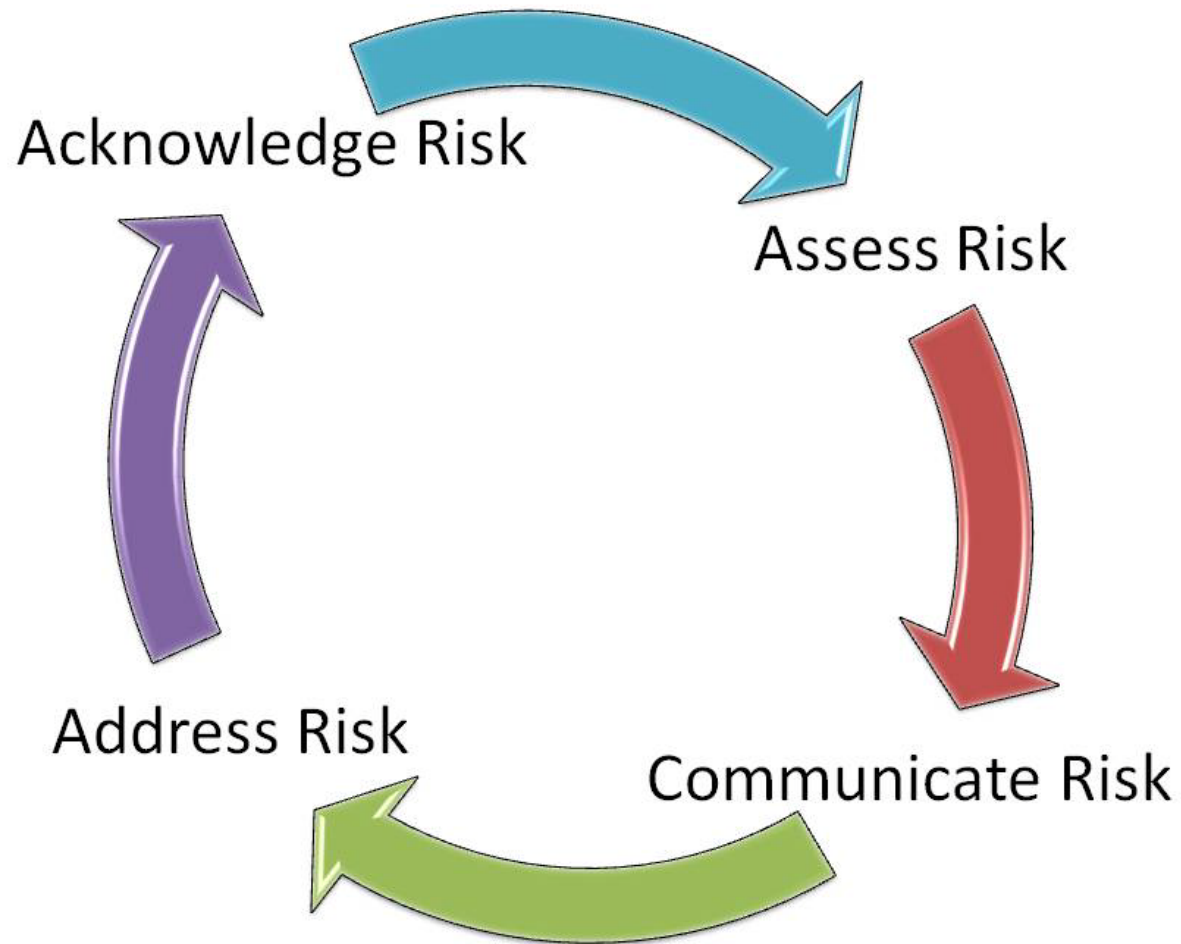
- Address Risk
 - In this step, disaster managers and other key actors select and implement specific activities to manage the causal factors of disasters.



Documenting the Approach

- Disaster Risk Reduction (DDR) Plan
 - “A document prepared by an authority, sector, organization or enterprise that sets out goals and specific objectives for reducing disaster risks together with related actions to accomplish these objectives.”
(UNISDR, 2009)

Disaster Risk Reduction Approach



QUESTIONS?

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Disaster Risk Assessment and Disaster Risk Reduction

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 - Pacific Disaster Center. 2010. Course materials developed for the Ministry of Agriculture and Rural Development (MARD) Natural Disaster Risk Management Project: Education and Training Program. Hanoi, Vietnam, March-May 2010.
 - United Nations International Strategy for Disaster Reduction (UNISDR). 2009. UNISDR Terminology on Disaster Risk Reduction.