

# International Cooperation, DRR, CCA, Recovery, & Reconstruction



## ACTIVITIES ON EACH STAGE AFTER THE DISASTER

#### RELIEF

Up to 6 months

# To save and preserve

- Establishment of Emergency Quick Response Team Establishment of Services Posts
- Logistics & Supplies Distribution
- Provision of Temporary Shelters/Tents
- Strengthening Distribution

- Networks
  Establishment of Media Center
  Psychological Healing
  Shifting Development Program
  to Emergency Program

#### RECOVERY

Up to 18 months

#### **OBJECTIVE**

- Recovery of Governance
- Recovery of Public Services (education, health etc)
- Reconstruction of Houses
- Recovery of Basic Social Services
- Reconstruction of Basic Infrastructures
- Recovery of Economic Facilities
- Trauma and Psychological Healing

### RECONSTRUCTION

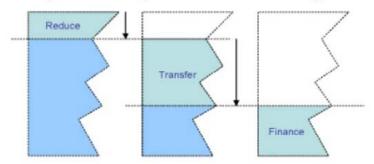
12 months onwards

- Economic System (production, trade, banking
- Telecommunication System
- Recovery of Social and Cultural System
- Recovery of Government Institution System
- Mainstreaming of Emergency Program to Development Program
- etc

"Building Back Better'



# Country Catastrophe Risk Financing Model



## Three pillar model

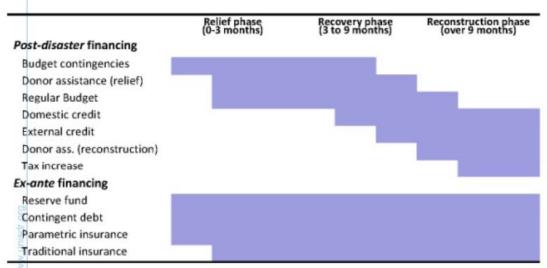
- Assess and reduce government liability/exposure to natural disasters (disaster risk reduction)
- Promoting risk transfer to private sector (insurance markets, capital market)
  - · Increasing cat insurance penetration of homeowners/farmers/SMEs
- Financing sovereign risk
  - · Securing immediate liquidity and budget support after a disaster

Sources: World Bank Group



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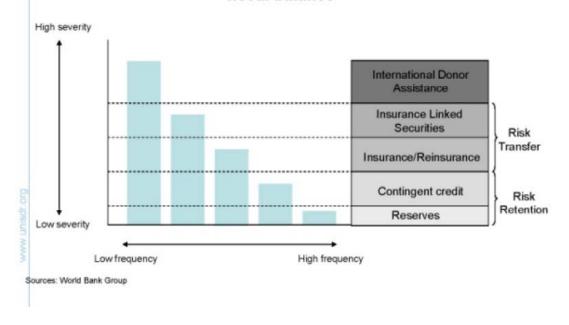
# Governments have Various Instruments to Finance Natural Disasters



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# A country catastrophe risk financing strategy relies on <u>an</u> <u>optimal</u> <u>combination of retention and risk transfer</u> to protect fiscal balance

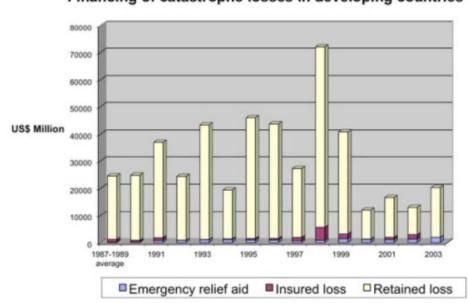




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Catastrophe losses are mostly borne by governments and households in developing countries...

## Financing of catastrophe losses in developing countries





# PRIORITIZATION OF ACTIVITIES – RECOVERY & RECONSTRUCTION STAGES

## Article 56 paragraph (2) of Gov Regulation 21/2008:

- To accelerate recovery of community life at post-disaster area, regional government shall set priorities for *rehabilitation* activities
- The prioritization shall follow analysis of loss and damage from disaster (DaLA).

# Article 75 paragraph (2) of Gov Regulation 21/2008:

- To accelerate the rebuilding of all facilities and infrastructure as well as institutions at post-disaster area, Government and/or regional government shall set priorities for reconstruction activities.
- The prioritization shall follow analysis of loss and damage from disaster (DaLA).



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# Post Disaster Needs Assessment (PDNA)

- DaLA For Estimation of Disaster Impact and Needs for Recovery and Reconstruction
  - Disaster Impact Assessment at Macro-Economic and Household Levels, and Estimation of Needs for Recovery, Reconstruction and Risk Reduction

### Damage

- · Destruction of physical assets
- · Occur at the time of the event
- Measured in physical units and replacement value

#### Loss

- · Changes in economic flows
- Occur over a relatively long time period
- Expressed in current values

### Needs

- Disaster risk reduction and climate adaptation needs
- · Social needs



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