

Disaster Risk Financing & Insurance Program

WORLD BANK GROUP











## **Abstract**

- Recap four core principles of Disaster Risk Finance
- Overview of financing instruments available to governments
- Introduction to advantages and disadvantages of different financing instruments.

## What is Disaster Risk Finance?

Protecting <u>livelihoods</u> and <u>development</u> by implementing <u>sustainable</u> and <u>cost-effective</u> financial protection <u>policies</u> and <u>instruments</u>.



Ensuring money reaches people who need it the most, when they need it the most



Using Financial Planning to protect Investments in human development and productive assets



Adapting to long-term climate changes and trends



Planning on how to meet the cost of disasters before they happen



Increasing the speed, predictability and transparency of disaster response



Raising funds from International partners after a disaster



Financing risk reduction and development



# Four Primary Groups impacted by natural disasters and climate risk



**GOVERNMENT** 



**HOME/BUSINESS OWNERS** 



**FARMERS/HERDERS** 



THE POOREST

# **Five Steps**

#### Towards Strengthening Financial Resilience

Take Stock of how disaster response is currently financed





Gather risk information/carry out risk assessments

Decide on policy priorities



Build financial protection strategy

Work with and improve existing processes for DRF





## Remember Four Core Principles of DRF



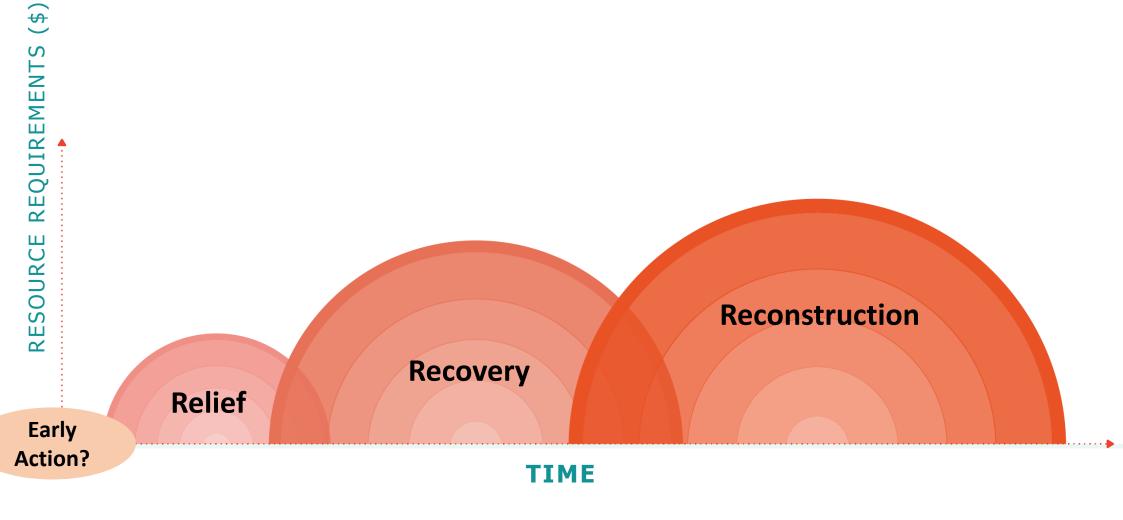
How money reaches beneficiaries is as important as where it comes from





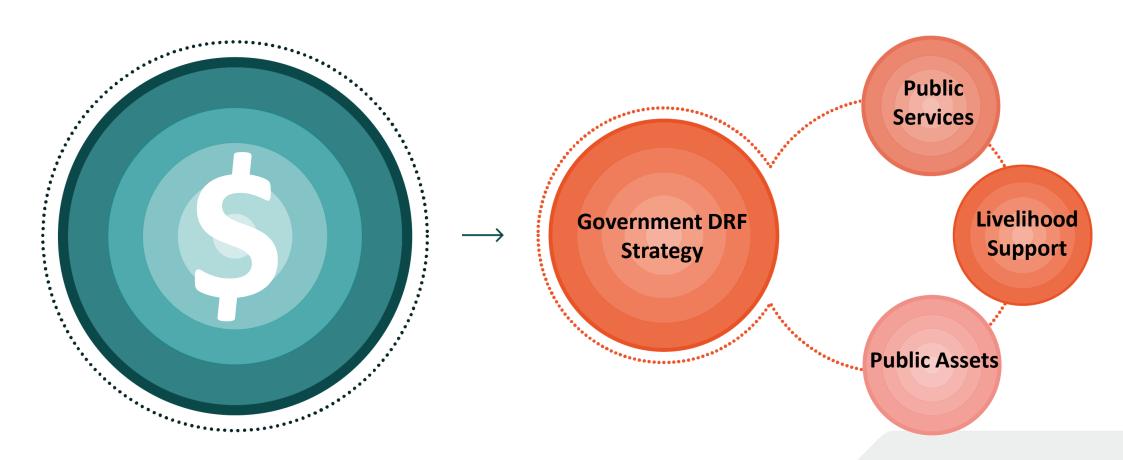
To make sound financial decisions you need to have the right information

## **Timeliness of funding**

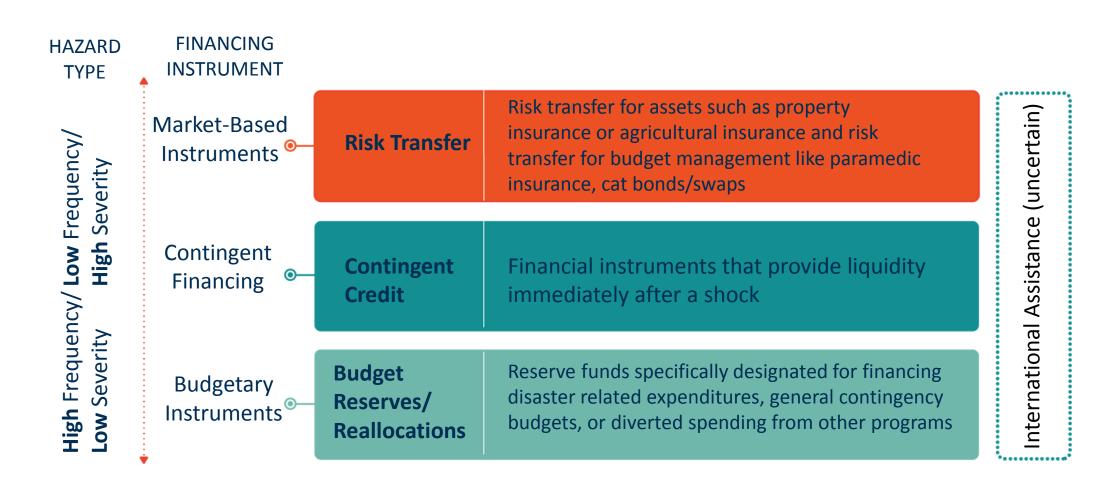


Speed matters, but not all resources are needed at once.

# How money reaches beneficiaries is as important as where it comes from



## **Disaster Risk Layering**



No single Financial instrument can address all risks

# **Data and Analytics**

Loss Data (Historical Data/CAT Risk Model

Microeconomic Data

Financial and other Data

DRFI ANALYTICS



**Quantitative Analytics** 

**Financial Decision Making Tools** 

**Financial Impact Analysis** 

Cost Benefit Analysis

Understanding Financia Impact of Disasters

Make evidence based financial decisions

Leverage private financial markets using quantitative outputs

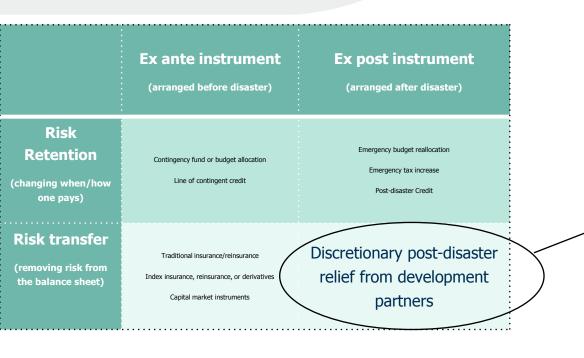
Monitor and evaluate DFRI strategies

To Make Sound Financial Decisions you need to have the right information

# Common instruments used for financial planning

	Ex ante instrument (arranged before disaster)	Ex post instrument (arranged after disaster)
Risk Retention (changing when/how one pays)	Contingency fund or budget allocation Line of contingent credit	Emergency budget reallocation Emergency tax increase Post-disaster Credit
Risk transfer (removing risk from the balance sheet)	Traditional insurance/reinsurance Index insurance, reinsurance, or derivatives Capital market instruments	Discretionary post-disaster relief from development partners

## **Ex-post transfer**



#### **Examples:**

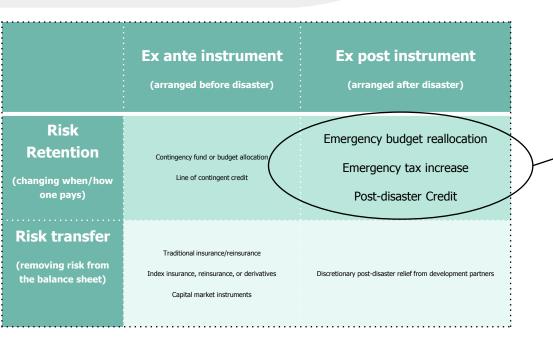
- Humanitarian aid
- Crisis response grants/loans from development banks

#### **Advantages**

- Flexible can respond to need
- Accurate (?)
- Can be concessional/ grant

- Can be slow and costly
- Can be unreliable and unpredictable
- Undermines planning

## **Ex-post retention**



#### **Examples:**

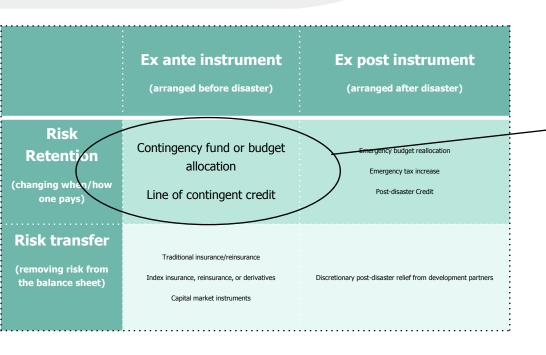
- Emergency budget reallocation
- Emergency tax increase
- Post-disaster Credit

### **Advantages**

Can be cheap (but not always)

- Often slow
- Can be unreliable
- Can have high economic costs / negatively affect other investments
- Undermines planning

## **Ex-ante retention**



#### **Examples:**

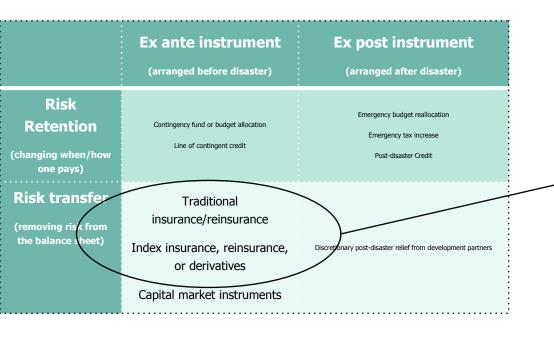
- Contingency fund or budget allocation
- Line of contingent credit

### **Advantages**

- Can be cheap, particularly for frequent shocks
- Fast
- Allows implementers to plan
- Can support clarity of risk ownership

- Opportunity cost of funds
- Requires fiscal discipline
- Political pressure

### **Ex-ante transfer**



#### **Examples:**

- Traditional insurance/reinsurance
- Index insurance, reinsurance, or derivatives
- Capital market instruments

#### **Advantages**

- Can be cheap, especially for extreme shocks
- Can be fast
- Allows implementers to plan
- Supports fiscal discipline

- Can be expensive for frequent shocks
- Often criticized after the fact
- Can miss need
- Need a level playing field to negotiate



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