

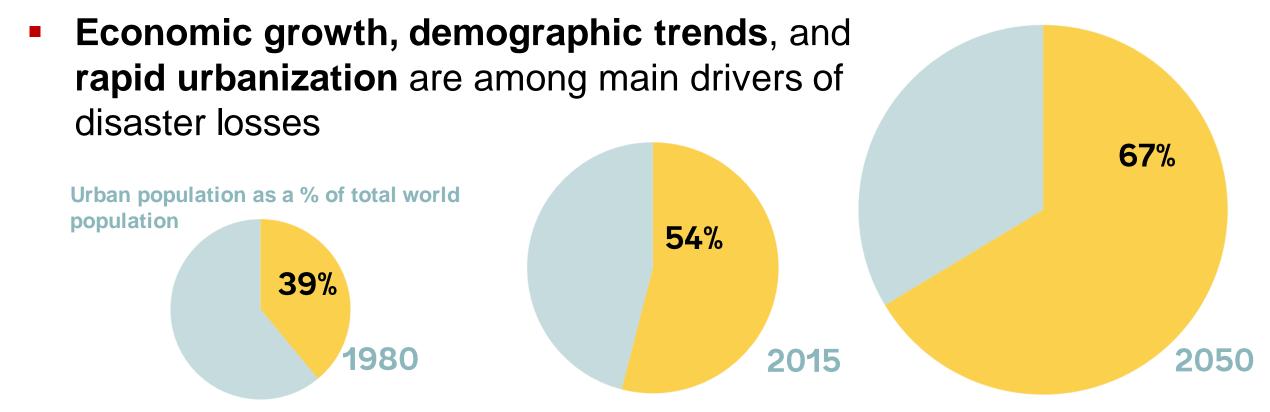
# Disaster Risk Finance in Developing Countries (Re-)Defining the Role of the Private Sector

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### Drivers of climate and disaster risk – increasing exposure



- Climate change will make things worse
- Countries face complex threats that can exacerbate disaster and climate impacts

93% of extreme poor live in fragile or environmentally vulnerable countries

# Impact of disasters on poverty reduction

- When accounting for impacts on well-being (drop in consumption) natural disasters cost the global economy \$520 billion (or 60 percent more than usually reported) and force about 26 million people into poverty every year.
- Through their impacts on human capital (in particular, nutrition, education, and health), disasters can severely affect household's earning potential.

# THE POOR ARE TWICE AS LIKELY TO:



#### THEY ALSO HAVE MUCH LESS SUPPORT TO RECOVER AND REBUILD.

When drought struck Ethiopia in the 1980s, it took a decade before poor farmers could fully recover.

After Tropical Storm Agatha hit Guatemala in 2010, poverty skyrocketed 14 percent.

# Managing climate and disaster risk

- A comprehensive approach to disaster risk management can prevent losses and reduce impacts
- From traditional *ex-post* humanitarian support, to preparedness based on national response systems

# AVOIDING DISASTERS

Reduce risk and prevent disasters through mitigation and adaptation

# MANAGING the UNAVOIDABLE Improve preparedness and

response capacity



# **Financial protection**

Moving from *ex post* emergency borrower to *ex ante* risk manager

Helps proactively manage residual risk by planning ahead and setting resources aside to finance disaster response activities before disasters happen

# **POST-DISASTER** FINANCING

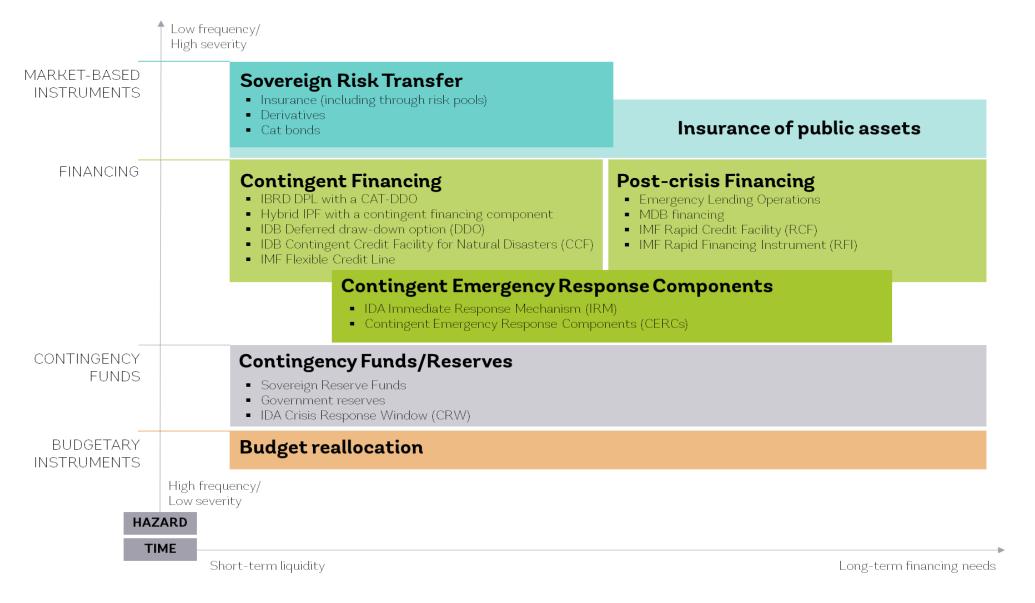
- International assistance
- **Budget reallocations**
- Debt issuance
- Post-disaster financing

# **PRE-PLANNED** FINANCING

- Contingency/reserve funds
- Contingent financing
- Market-based risk transfer solutions
- Catastrophe risk pools



# Financial protection Disaster risk layering



Note: IBRD = International Bank for Reconstruction and Development; DPF = Development Policy Financing; IMF = International Monetary Fund; MDB = Multilateral Development Bank; IDA= International Development Association.





# World Bank Sovereign DRF Instruments

Insurance- linked Securities	World Bank CAT Bonds	World Bank direct issuance of CAT Bonds
	CAT/Weather Derivative	Insures against weather- and geological-related losses, based on an index
Insurance Pools	CCRIF / PCRAFI/ SEADIF	Establishment of regional facilities to pool risks and reduce costs to cover against natural disasters in different countries
Contingent Loans	Investment DDO	Provides immediate liquidity following a pre-defined weather trend/event
	CAT DDO	Provides immediate liquidity following a natural disaster





# Disaster Risk Financing and Insurance Program A WBG Program to strengthen financial resilience

DRFIP development objective to increase financial resilience of the countries through minimizing the cost and optimizing the timing of meeting post-disaster funding.



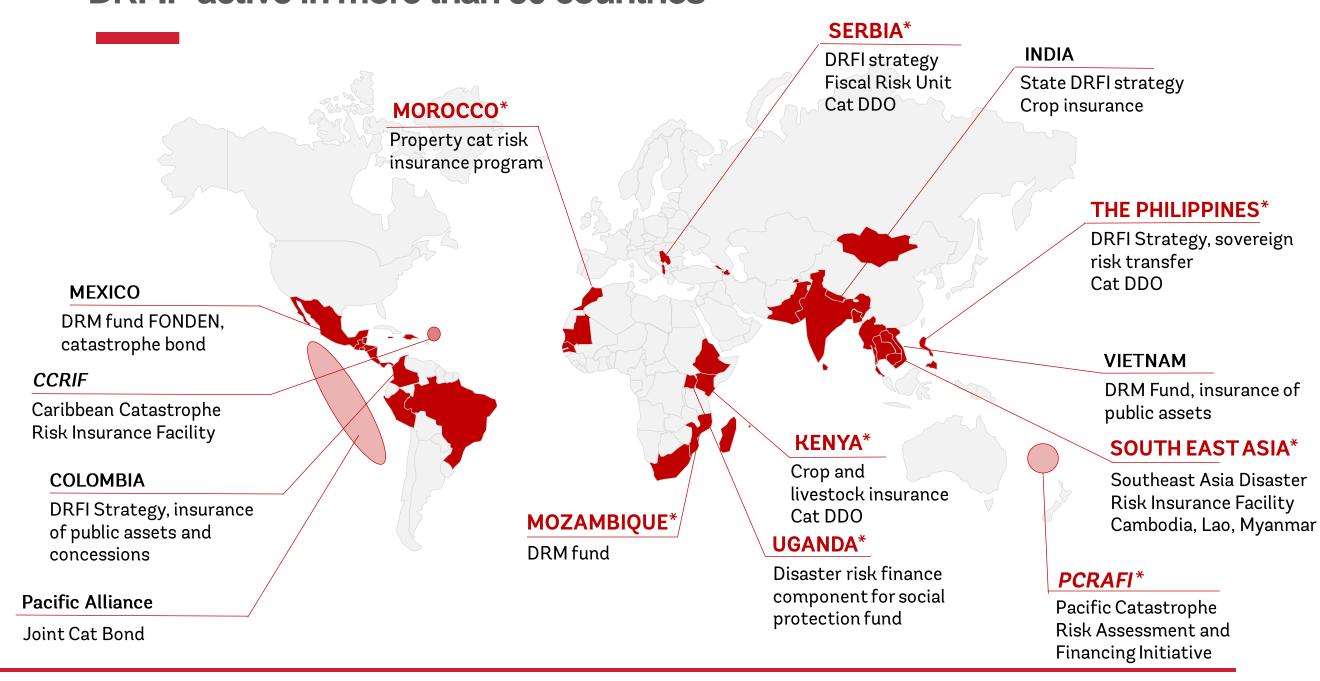
**DRF Analytics for Informed Financial Decision Making** 

**DRF KM and Global Partnerships** 

Disaster Risk Financing & Insurance Program

WORLD BANK GROUP

#### DRFIP – operational engagements worldwide DRFIP active in more than 50 countries

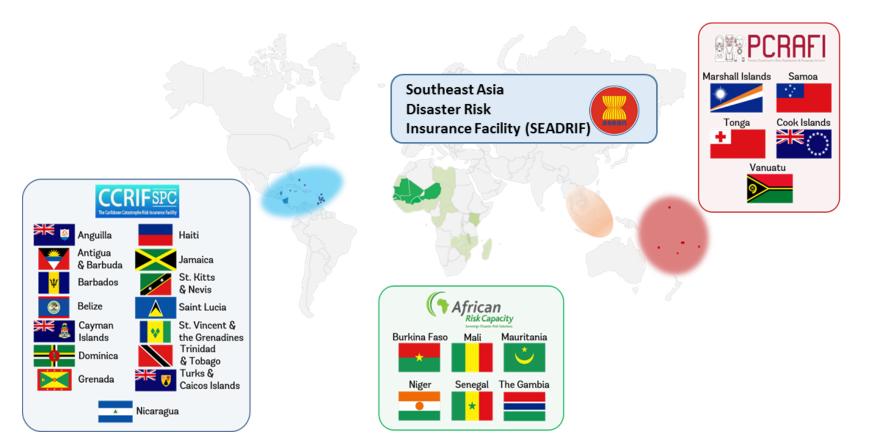


Disaster Risk Financing & Insurance Program Note: (\*) TA linked to lending

# Sovereign catastrophe risk pools

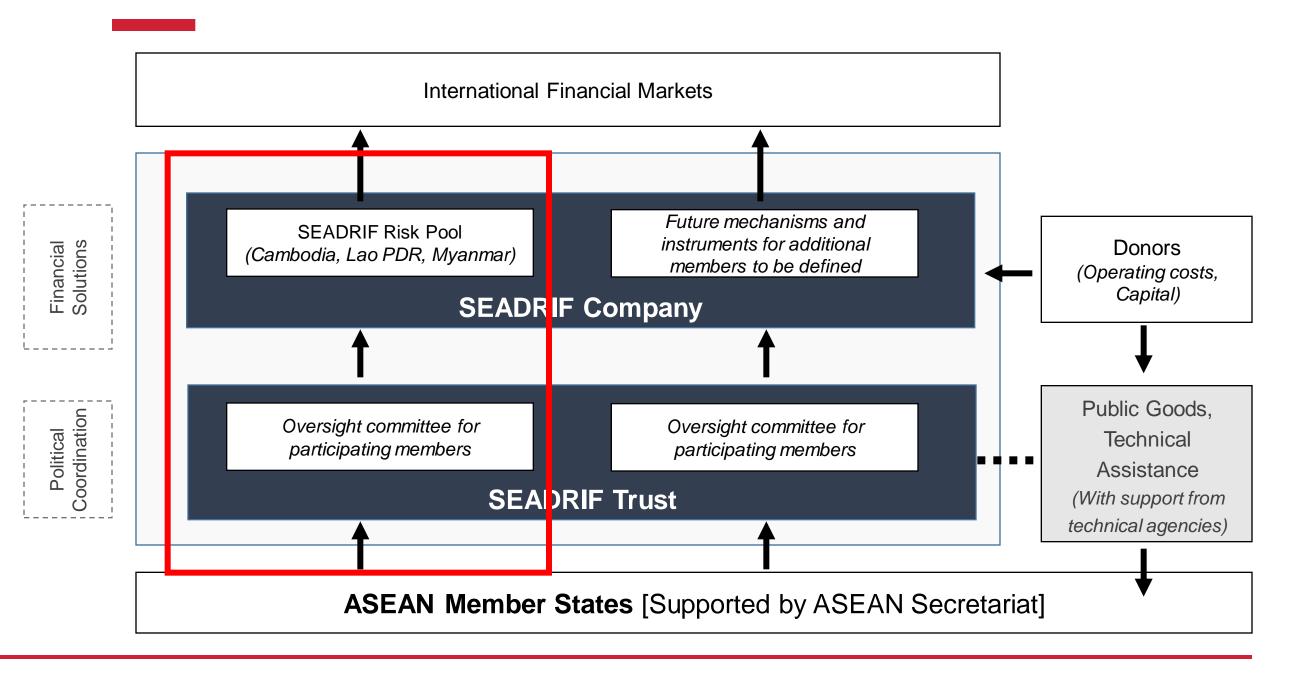


- Ownership Strengthen regional/sub-regional cooperation and policy dialogue
- Cost of capital Lower premium by pooling diverse exposures, retaining some risk and transferring excess risks to capital and reinsurance markets
- **Timeliness** rapid payout (with parametric triggers)
- Discipline risk based premium and clear payout rules
- Appropriate risk information Take a collective and standard approach to quantitative catastrophe risk analysis and modelling



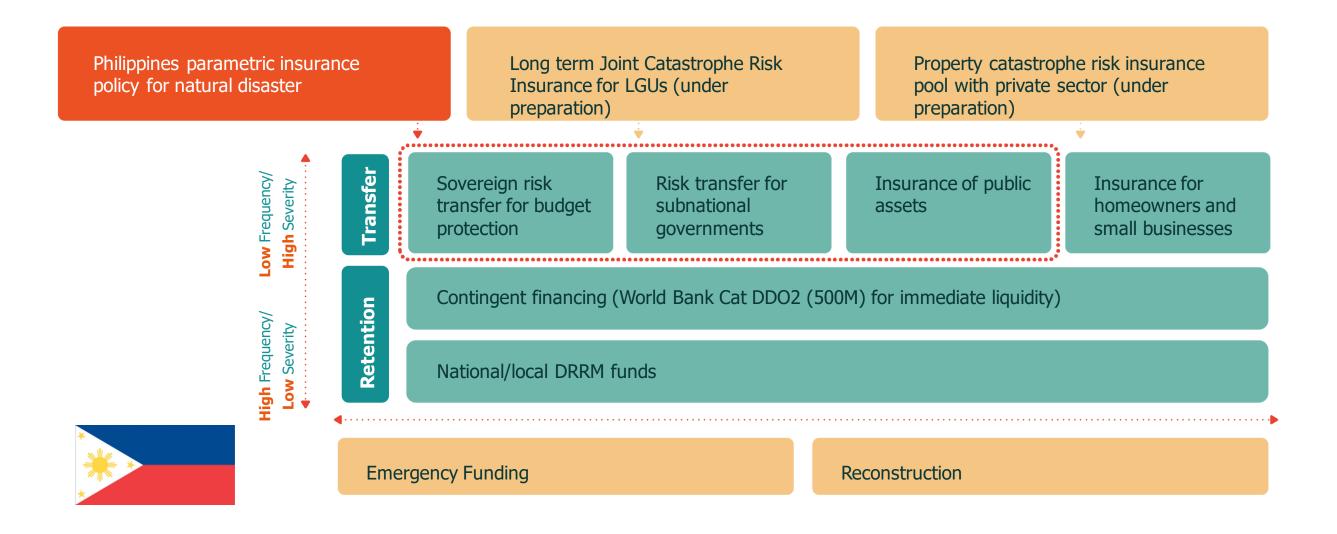
# Southeast Asia Disaster Risk Insurance Facility (SEADRIF)

Climate and disaster risk management and insurance solutions for ASEAN countries



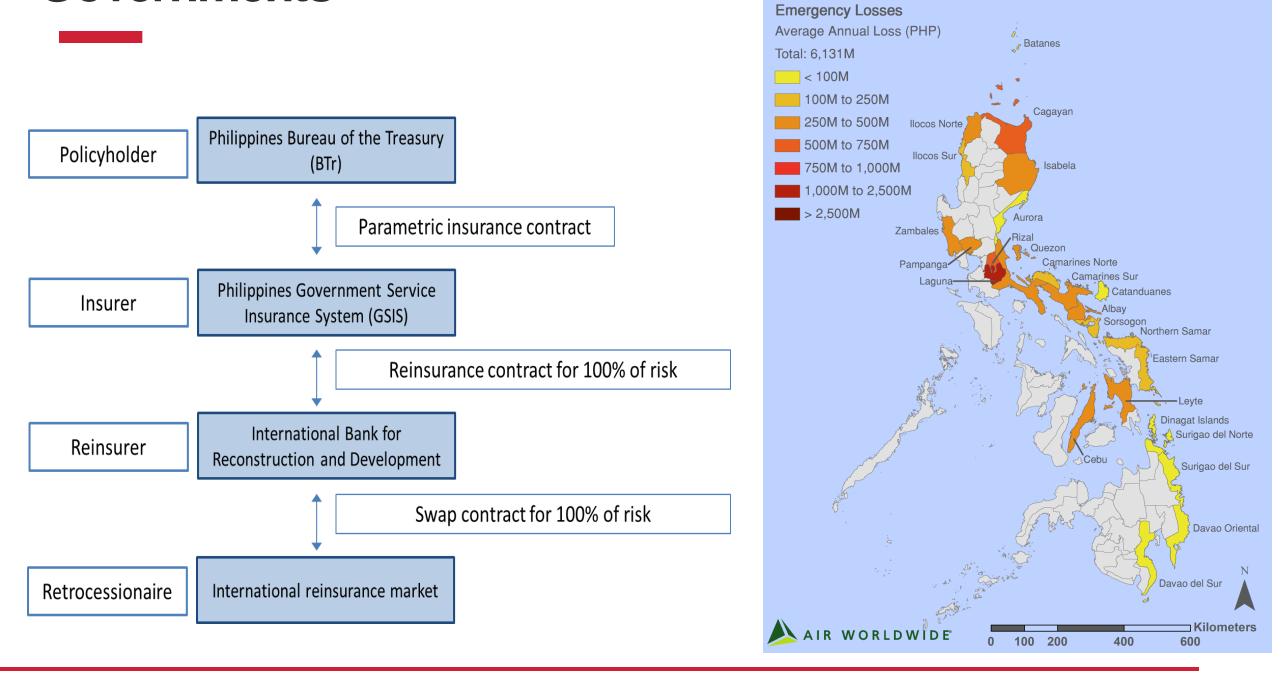
Disaster Risk Financing & Insurance Program

# Philippines: Risk layering to build fiscal buffer





# Philippines Cat Risk Insurance Program for Local Governments



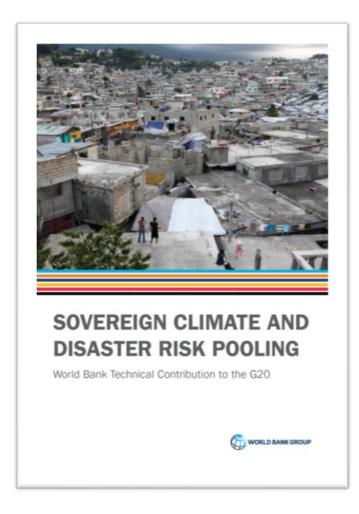


# Recommendations to the G20 – Set of key principles

The G20 could adopt Key Principles for innovative climate and disaster risk

finance, insurance and pooling

- Ownership
- Mutual commitment
- Financial planning
- Comprehensive strategy
- Financial sustainability
- Accountability and transparency
- Disaster risk reduction





### Contact

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