OVERVIEW

# SHQCXVES

# Managing the Impacts of Climate Change on Poverty

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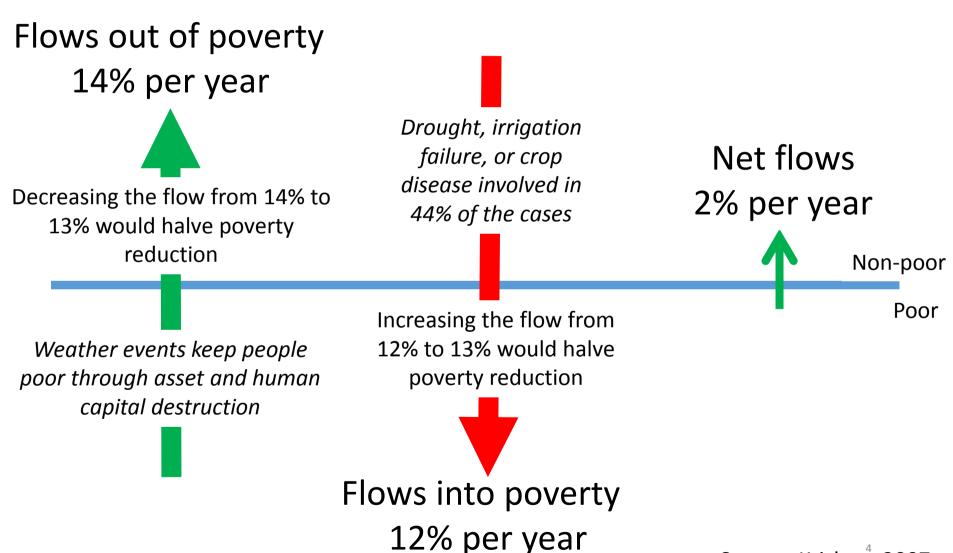
Climate Change Cross-Cutting Solutions Area
The World Bank Group

### Main Message #1

Climate-related shocks and stresses, already a major obstacle to poverty reduction, will worsen with climate change



#### Poverty dynamics An example in India (Andhra Pradesh)



Source: Krishna, 2007

# Common shocks that drive or keep people in poverty....





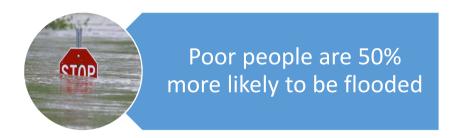


Spikes in food prices and shocks to agricultural or ecosystem-based income

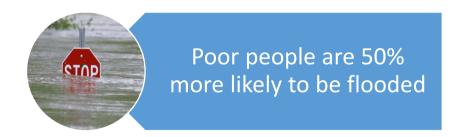
Natural disasters such as droughts, floods, and storms Disease and health shocks, such as malaria, diarrhea, stunting, and mental disorders

... will be worsened by climate change

# Poor people are often more exposed to these shocks – take the case of Nigeria



## Poor people are often more exposed to these shocks – take the case of Nigeria





Poor people are 130% more likely to be affected by a drought

# Poor people are often more exposed to these shocks – take the case of Nigeria



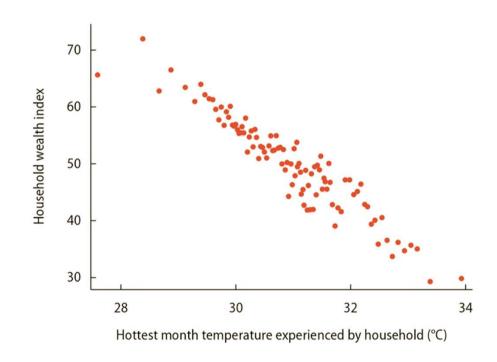
Poor people are 50% more likely to be flooded



Poor people are 130% more likely to be affected by a drought



Poor people are 80% more likely to be affected by extreme heat

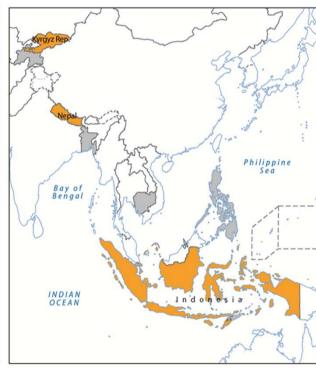


### Poor people are often more exposed to these shocks – take the case of urban floods

In most (but not all) countries, poorer urban dwellers are more likely to live in flood zones



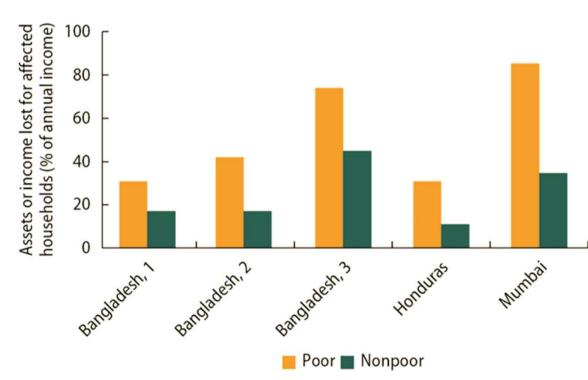




### Poor people are always much more vulnerable to natural hazards







# But most importantly, poor people also have less access to support

		Saved at a financial institution	Average transfer from social protection
Indonesia	Poor	8%	\$0.5/day
	Non-poor	21%	\$2/day



# But most importantly, poor people also have less access to support

		Saved at a financial institution	Average transfer from social protection
Indonesia	Poor	8%	\$0.5/day
	Non-poor	21%	\$2/day
Malawi	Poor	4%	\$0.05/day
	Non-poor	11%	\$0.17/day

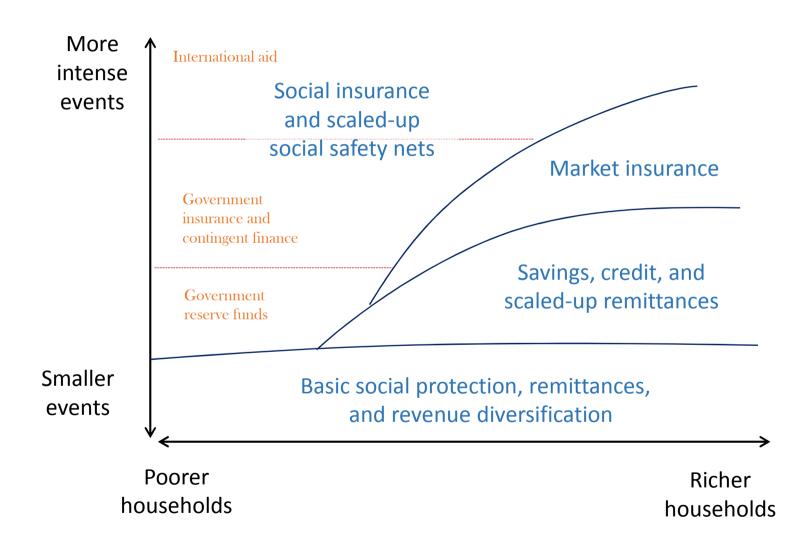




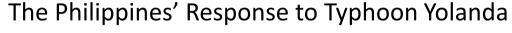
### Main Message #2

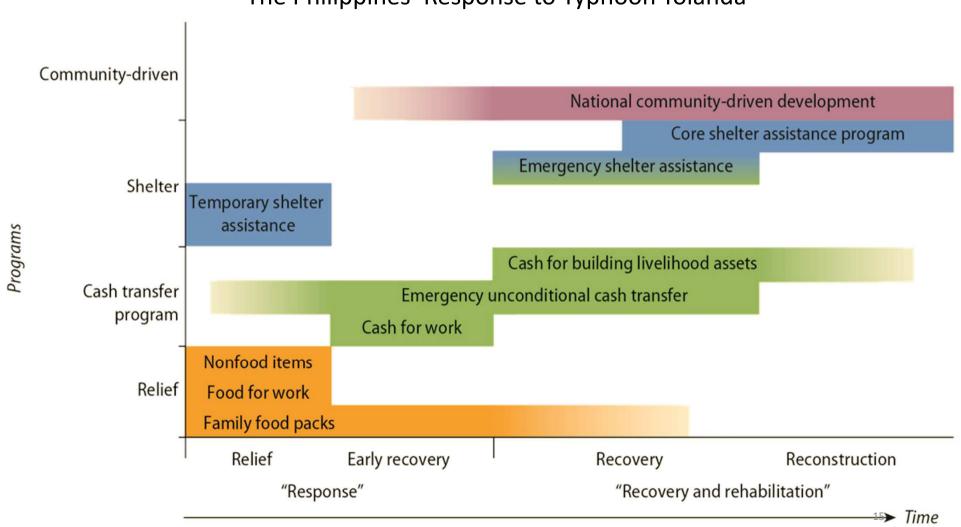
Social protection and insurance are efficient tools to protect people against these shocks and avoid irreversible impacts

### People are best protected by a package of instruments



#### Balancing quick response and narrow targeting





## Scaled-up social protection to help households cope with shocks and avoid detrimental secondary effects



- In Mexico, beneficiaries of Prospera are less likely to withdraw their children from school when hit by shocks.
- In Kenya, the Hunger Safety Net Program prevented a 5 percent increase in poverty among beneficiaries following the 2011 drought.
- In the report we discuss how to scale up social protection after a shock:
  - Increase coverage (Ethiopia PNSP)
  - Increase amounts (Philippine 4Ps)
  - Create a new program (Pakistan Citizen's Damage Compensation Program)
- And we discuss how to finance this scale up:
  - Reserve funds
  - Insurance and risk sharing facilities
  - Contingent finance (CatDDOs)

#### FERDI workshop, Clermont-Ferrand, France

DISASTER RISK FINANCING AND INSURANCE PROGRAM (DRFIP)

#### Planning for Disasters

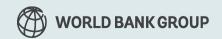
And the economics of disaster risk financing and insurance

Daniel Clarke and Stefan Dercon

World Bank Group and DFID/University of Oxford







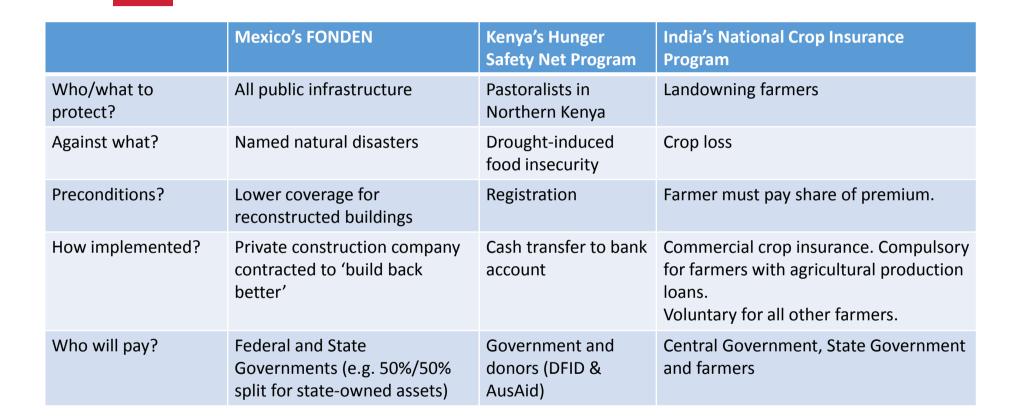




### Main Message #3

A plan should be a **political choice**, not just a **technical exercise** 

#### Examples where governments/donors have made a clear choice



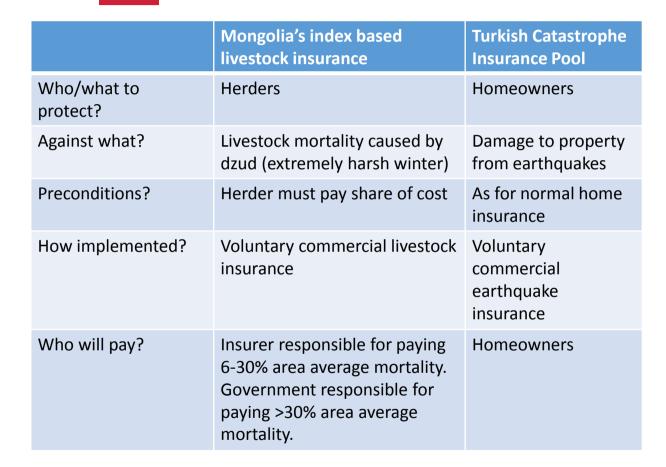








#### Examples where governments/donors have made a clear choice



Note: Choice is either

- 1. Agreed by all parties; or
- Agreed by all parties except the beneficiary. The beneficiary is then given the option to opt-in or not.





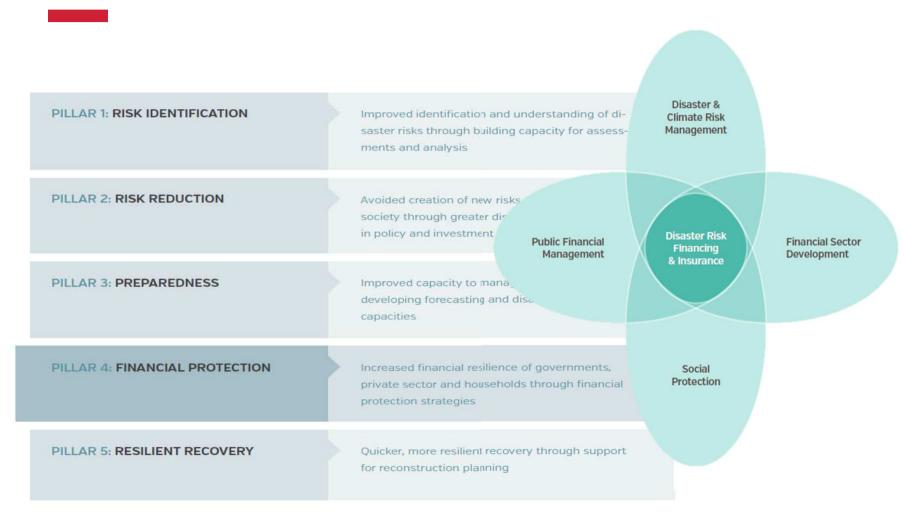




### Main Message #4

A plan should be a **political choice**, not just a **technical exercise**, and it can be made more credible by **financial protection instruments** 

### Financial protection is one key pillar of sound Disaster Risk Management



Source: GFDRR (2012), WB-GFDRR Disaster Risk Financing and Insurance Program (2014)

### But we believe that it is more than this – it binds all the pieces of a plan together and makes the plan credible



- Disasters can unravel the most carefully laid plans quite quickly
- Plans are typically just an input into highly-charged post disaster (re)negotiations
  - Drought-induced food insecurity in low-income countries
  - Agricultural production losses in middle income countries
  - Post-disaster reconstruction of public assets in devolved countries
  - Post-disaster reconstruction of private assets
- Need very strong commitment devices if want plans to actually lock stakeholders in – disaster risk finance can be strong a commitment device









### A disaster risk financing strategy should be the servant, not the master, of the plan

- Easy to get seduced by individual financial instruments
  - But need to focus on the entire plan, not just one slice of it
- A good disaster risk financing strategy is the glue that holds the ex-ante plan together, makes it credible and encourages thinking through tradeoffs ex-ante:
  - Ensures money is available quickly when, and only when, it is required by the plan
  - Commits stakeholders to rules
  - Commits stakeholders to pay their share
  - Commits stakeholders to coordination on expenditures/logistics









#### Sensible disaster risk financing can also crowd in risk reduction

- Across developing and developed countries there is significant underinvestment in risk reduction
  - Myopic incentives given to politicians from voters
  - Governments and donors offer protection of last resort -> moral hazard
  - Well documented behavioural biases
- Credible ex-ante financial planning can clarify risk ownership, which can unlock investment in risk reduction:
  - Clarifies who is responsible for paying for the protection, and in what proportions ('risk ownership')
  - If investments in risk reduction would make the overall cost of protection cheaper these could be financed from the budget lines allocated for the protection.
  - Can move debate about risk reduction versus risk financing to a technical level







