

From micro-insurance to regional pooling schemes

×

Considerations for the Bali Roadmap





Options for climate insurance in an adaptation strategy





The Caribbean Catastrophic Risk Insurance Facility (CCRIF)

The Malawi drought insurance scheme



Caribbean States Need for risk pooling

High exposure to adverse natural events

- Limited capacity to spread risk
 - geographically due to their small size
 - over time due to high debt levels
- High dependence on donor support post disasters
- Limited access to insurance/reinsurance



Caribbean Catastrophic Risk Insurance Facility (CCRIF)





Malawi weather insurance



Greatly increases productivity

 Promoters claim it "moves away the big rocks – systemic drought risks – to development"

Supported by WFP and WB

Payout if rainfall below predescribed level measured at local weather station (index)

Avoids excessive transaction costs (and corruption) of traditional crop insurance

Enables farmers to access loan for hybrid seed



Costs & Benefits of insurance

Costs

Expected losses + transaction costs + cost of holding capital or reinsurance

Benefits

- Provides timely post-disaster liquidity that can prevent loss of livelihoods and promote economic development – avoiding a poverty trap;
- Provides security for productive investment (also international investors).

IMPORTANT: Insurance most effective if embedded in a risk managment strategy!

ILASA

Scaling up?



- To serve more farmers by forming pools
 - Locally, need more weather stations
 - Nationally, can insurer cover co-variant risk?
 - Regionally, can we take advantage of negatively correlated risks (ENSO)?
- To offer greater cover
 - Can farmers afford?

Scaling up will require donor support!

Should governments and donors support these programs, and, if so, how?

Argument 1: Outside support distorts risk price (and markets) and results in maladaptation; Should rather compensate persons directly.

Argument 2: Direct compensation unlikely and price distortions less than with postdisaster aid; Donor support options should be chosen that are least price-distorting.

What forms of support distort prices the least?

- Direct subsidies are most price distorting, but one idea is to subsidize only the "mark up"so agents confronted with price=expected loss;
- Provide technical assistance and other support to cover start up costs, e.g., weather stations;
- Provide opportunities for pooling programs and/or reinsurance, eg. the Caribbean pool.

Should climate insurance play a role in an adaptation regime, and, if so, what are the options?

Agreement: Obligation of the North to support adaptation; (Bali Action Plan specifically calls for "consideration of risk sharing and transfer mechanisms, such as insurance" as a means to address loss and damage in developing countries

particularly vulnerable to climate change)

- **Our argument:** In many contexts donor-supported insurance can be an effective instrument for adaptation.
 - Benefits exceed costs for agents, esp. with donor support;
 - Can design systems with incentives for risk reduction;
 - Options for incentive compatable donor support.



Options for climate insurance in an adaptation strategy



Option 2: Regional climate insurance facility?



5





www.iiasa.ac.at