Integration, participation, and science in resilience building: Taking the leap forward

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Climate Risk and Adaptation

Climate change: more bad years

Adaptation: increase productivity in normal years to cover bad year loss

But strategies that increase productivity in most years face increased risk in bad years

Threat of 1 drought year out of 5 prevents other 4 from being much more productive

Key to adaptation is to relax risk of bad year to unlock productivity options

Complimentary efforts

- Individual, bank, meso, macro, international
- Insurance, Disaster Preparedness, Humanitarian response

NEED TO INTERCONNECT
Games, exercises, formal farmer/partner leadership
Software (and experts) process farmer/stakeholder and satellite data
Farmer information in Seasonal Monitoring and project design

Does the evidence agree?

Met offices, Farmers, Satellite rainfall, Soil Moisture, Veg, Crop models, Crop cycle, yield

Materials that take everyone through each step, built together:

Validate, improve insurance, sync actions

Link insurance, practices, disaster prep/response

Crowdsourcing contests, big data learning systems