



RESEARCH PROGRAM ON  
**Climate Change,  
Agriculture and  
Food Security**



# Research for Scaling Agricultural Insurance: An overview

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International Food Policy Research Institute (IFPRI)

International Microinsurance Conference  
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## SCIENCE FOR HUMANITY'S GREATEST CHALLENGES



Food security



Health



Environment



Climate



Prosperity

# Agricultural Risk Management



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**Under-  
investment  
in agriculture**

**Climate-  
smart  
agriculture**

**Diversified  
livelihood  
strategies**

**Reducing  
food  
consumption**

**Informal  
insurance  
mechanisms**

**Agricultural  
Insurance**

# CGIAR and Agricultural Insurance



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## Insurance units



Different coverage periods and amounts, allowing farmers to construct their own portfolio (Uruguay, Ethiopia and India)

## Gap insurance



Fail-safe index insurance with audit provisions in Ethiopia and Bangladesh

## Weather simulation, crop modeling



Weather index insurance in Syria, Honduras, Nicaragua and Uruguay (IFPRI)

## Remote sensing



Index-based livestock insurance in Kenya & Ethiopia

Index-based flood insurance in Bangladesh & India

Picture-based crop insurance + advisory service in India

# CGIAR and Agricultural Insurance



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## Bundling CSA

Conditioning payouts on better residue management



Bundling stress-tolerant rice cultivars with index insurance

Insurance for drought-tolerant maize in Africa

## Financial institutions

Funeral associations in Ethiopia

Bundling with loans to unlock credit in Kenya



## Social protection

Research with governments, World Food Program, etc.



## Agricultural value chains



# Thank you!



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Africa Rice Center



Bioversity International



Center for International  
Forestry Research (CIFOR)



Science for resilient livelihoods in dry areas

International Center for  
Agricultural Research in the  
Dry Areas (ICARDA)



International Center for Tropical Agriculture  
Since 1967 Science to cultivate change

International Center for  
Tropical Agriculture (CIAT)



INTERNATIONAL CROPS RESEARCH  
INSTITUTE FOR THE SEMI-ARID TROPICS

International Crops Research  
Institute for the Semi-Arid  
Tropics (ICRISAT)



International Food Policy  
Research Institute (IFPRI)



International Institute of  
Tropical Agriculture (IITA)



International Livestock  
Research Institute (ILRI)



International Maize and Wheat Improvement Center

International Maize and Wheat  
Improvement Center (CIMMYT)



International Potato Center  
(CIP)



International Rice Research  
Institute (IRRI)



International Water  
Management Institute (IWMI)



World Agroforestry Centre  
(ICRAF)



WorldFish