



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



Research for Scaling Agricultural Insurance: An overview

Berber Kramer

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
A CGIAR RESEARCH CENTER

International Potato Center
(CIP)



International Rice Research
Institute (IRRI)



International Water
Management Institute (IWMI)



World Agroforestry Centre
(ICRAF)



WorldFish