



FACTSHEET

CGIAR Research Program on Climate Change, Agriculture and Food Security



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



About

Climate change is an unprecedented threat to the food security of hundreds of millions of people. Climate change affects agriculture and food security, and likewise, agriculture and natural resource management affect the climate system. These complex and dynamic relationships are also shaped by economic policies, political conflict and other factors such as the spread of infectious diseases.

The relationships between all these factors and how they interact are not well understood, nor are the advantages and disadvantages of different responses to climate change. In order to develop practical solutions for agriculture in the face of climate change, knowledge about climate change, agriculture and food security needs to be integrated in meaningful and innovative ways.

The CGIAR Research Program on Climate Change, Agriculture and Food Security seeks to promote food security through sustainable agriculture and by exploring new ways of helping vulnerable rural communities adjust to global changes in climate while conserving natural resources.

Approach

The CCAFS program brings together the world's best researchers in agricultural science, development research, climate science and earth system science to identify and address the most important interactions, synergies and tradeoffs between climate change, agriculture and food security. The program also involves farmers, policy makers, donors and other stakeholders and integrates their knowledge and needs into the tools and approaches that are developed.

In the CCAFS program, teams of partners with complementary skills and expertise conduct research. This new way of working aims to broaden the dialogue between science and policy.

Focal Countries

- Bangladesh
- Burkina Faso
- Cambodia
- Colombia
- Ecuador
- El Salvador
- Ethiopia
- Ghana
- Guatemala
- Honduras
- India
- Kenya
- Laos
- Mali
- Nepal
- Nicaragua
- Peru
- Senegal
- Tanzania
- Uganda
- Vietnam



Research themes

The CCAFS program is structured around four closely interlinked global themes:

- Adaptation to progressive climate change.
- Adaptation through managing climate risk.
- Pro-poor climate change mitigation.
- Integration for decision making.

Through the research themes, the CCAFS program seeks to (1) identify and test pro-poor adaptation and mitigation practices, technologies and policies for food systems, adaptive capacity and rural livelihoods, and (2) provide diagnosis and analysis that will ensure the inclusion of agriculture in climate change policies, and the inclusion of climate issues in agricultural policies that brings benefits to the rural poor.

About CGIAR

CGIAR is a global agriculture research partnership for a food-secure future. Its science is carried out by the 15 research centers that are members of the CGIAR Consortium, in collaboration with hundreds of partner organizations.

Partner with us

No single research institution alone can address these critically important issues. The CGIAR Research Program on Climate Change, Agriculture and Food Security addresses the increasing challenge of climate change and declining food security on agricultural practices through a strategic collaboration between the CGIAR and Future Earth.

The CCAFS program works with scientists and a wide range of institutions in government, civil society and the private sector to find realistic strategies to deal with climate change. The program works with more than 700 partners worldwide.

For more information about partnering with CCAFS, go to:

<http://ccafs.cgiar.org/partners>

Participating CGIAR Research Centers

- WorldFish
- Bioversity International
- International Center for Tropical Agriculture (CIAT)
- International Water Management Institute (IWMI)
- Center for International Forestry Research (CIFOR)
- International Center for Agricultural Research in the Dry Areas (ICARDA)
- International Potato Center
- International Institute of Tropical Agriculture (IITA)
- World Agroforestry Centre (ICRAF)
- Africa Rice Center (AfricaRice)
- International Rice Research Institute (IRRI)
- International Maize and Wheat Improvement Center (CIMMYT)
- International Food Policy Research Institute (IFPRI)
- International Livestock Research Institute (ILRI)
- International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)

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