

## ICTs For Small-Scale Farmers: A Game Changing Approach to Climate Smart Agriculture in Latin America | Colombia and Honduras

### Summary

Agriculture is highly dependent upon the climate. Changes in the frequency and severity of droughts and floods pose challenges for farmers and threaten food security. Unpredictable, shifting weather patterns, and extreme weather events can harm crops and reduce yields.

A partnership between the International Center for Tropical Agriculture, the CGIAR Research Program on Climate, Agriculture and Food Security and more than 10 partners including the Colombian Ministry of Agriculture and Rural Development and the Honduran Secretariat of Agriculture and Livestock have developed a suite of ICT tools and applications to help farmers in Colombia and Honduras make climate-smart decisions.

The tools and applications enable technicians from farmer organizations to collect, analyze, and deliver information that allow farmers to understand variations in seasonal climate conditions, and thus adjust their management practices to cope with them. Guided by this information, farmers now know whether to plant, when to plant and specifically which crops or crop varieties to plant. In addition, they have site-specific information on how much water and agrochemicals to use. This increases agricultural productivity, food and income security, and allows for more sustainable farming.

### Key facts.

- More than 10 public and private organizations from Colombia and Honduras are participating in the project;
- About 300,000 farmers, mostly growing maize, beans, rice, fruit trees and coffee, are being reached with climate and/or crop management information;
- In each country, partners produce ten or more monthly bulletins related to agro-climatic conditions or food security.

### More information

Digital assets are available for download at:

<http://unfccc.thirdlight.com/a.tlx?l=9ffm9IJi>

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