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# The program on Climate Change, Agriculture and Food Security (CCAFS)

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## Résumé

The program on Climate Change, Agriculture and Food Security (CCAFS) is a strategic partnership of the Consultative Group on International Agricultural Research (CGIAR) and the Earth System Science Partnership (ESSP) The Challenge for Agriculture and Food Security. Climate change is an immediate and unprecedented threat to the food security of hundreds of millions of people who depend on small-scale agriculture for their livelihoods. Climate change affects agriculture and food security, and likewise, agriculture and natural resource management affect the climate system. The complex and dynamic relationships between climate change, agriculture and food security are also shaped by economic policies, political conflict and factors such as the spread of infectious diseases. The relationships between all these factors and how they interact are not currently well-understood, nor are the advantages and disadvantages of different responses to climate change. The Research Challenge The next step is to integrate knowledge about climate change, agriculture, and food security. Bringing together these domains in a meaningful way requires an urgent change in the way research is planned and carried out, and the way researchers explain their findings. As no single research organisation has the ability to tackle this work by itself, CCAFS is opening new opportunities for studying these interactions. A New Way of Working CCAFS 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. CCAFS will also involve farmers, policy makers, donors and other stakeholders, to integrate their knowledge and needs into the tools and approaches that are developed. Research in CCAFS will be carried out by teams of partners with complementary skills and expertise, pairing institutions from the North and South, including South-South collaboration. These partnerships are expected to generate new ways of working, and broaden dialogue between science and policy.

**Mots-Clés:** climate change, capacity building, agriculture, food security

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