



# CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS)

**Bruce Campbell, Director**



RESEARCH PROGRAM ON  
Climate Change,  
Agriculture and  
Food Security



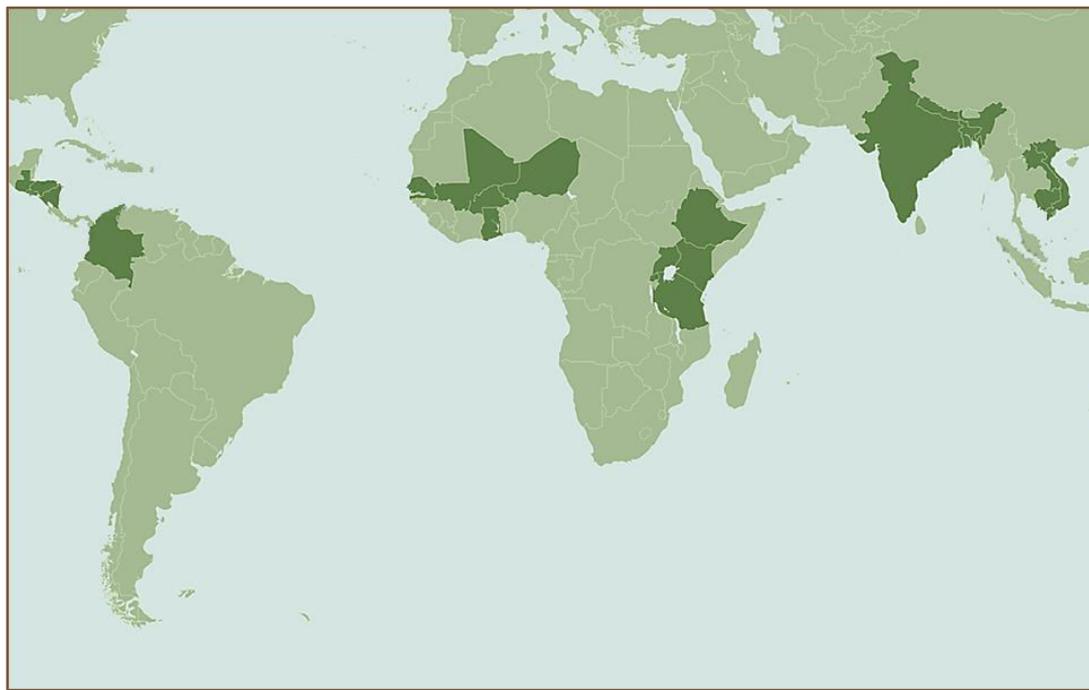
# Program Objectives



RESEARCH PROGRAM ON  
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CCAFS generates evidence and supports adoption of climate-smart agricultural policies, practices, and services that alleviate poverty, increase gender equity, and support sustainable landscapes



Priorities and  
**Policies**  
for Climate-Smart Agriculture

**Climate-Smart**  
Technologies and Practices 



Low  
**Emissions**  
Development

Climate  
**Services**  
and safety nets 

# Program Impact



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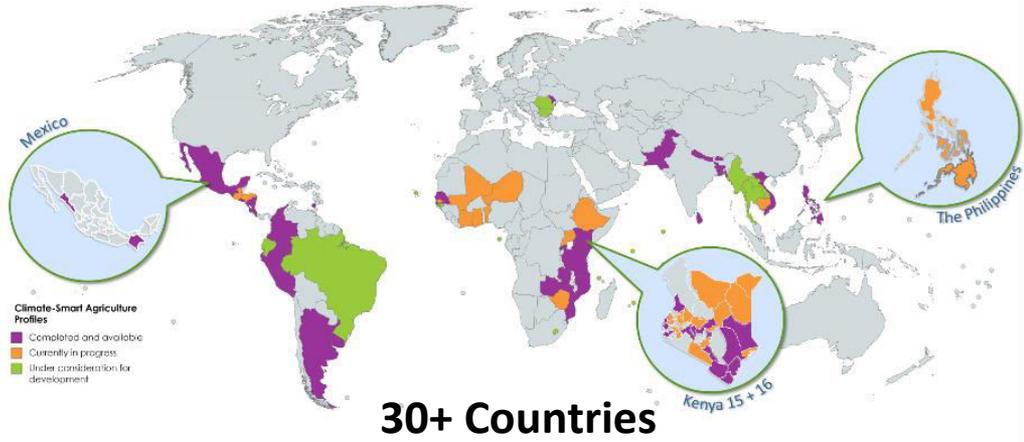
Research, analysis and engagement contributed to the **UNFCCC Korinivia Agreement at COP23**

Research and success of Climate-Smart Villages helped inform c. **\$500 million in CSA investment**

**Index-based insurance products reached 1 million farmers in India** through crop modelling and engagement

**Climate-informed advisories reached 7 million** in Senegal through climate modelling and dissemination testing

[www.cgiar.org](http://www.cgiar.org)



**Low-emissions development dairy reduced GHG emission intensity by up to 14%** in Indonesia through improved feeding and manure management

# Agriculture Research for Development (AR4D)



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## 1- Challenges

- *Science/academic training --- papers not outcomes*
- *Do we have the right skill mix for AR4D*
- *Scaling up has remained notoriously difficult*

# Agricultural Research for Development



RESEARCH PROGRAM ON Climate Change, Agriculture and Food Security



## 2- ToC is critical

→ Cascading ToCs from global to local

Partner choices  
Capacity building priorities

Research Priorities

HOW: Working with partners to build field-based evidence

HOW: Working with partners to understand what works for policy & governance

CGIAR-level outcomes:  
Poverty  
Nutrition  
Environment

Climate-smart agriculture practiced at scale

Policy and institutional change

HOW: Working with partners to understand how information strengthens institutions and services

HOW: Working with partners to understand what works for investment

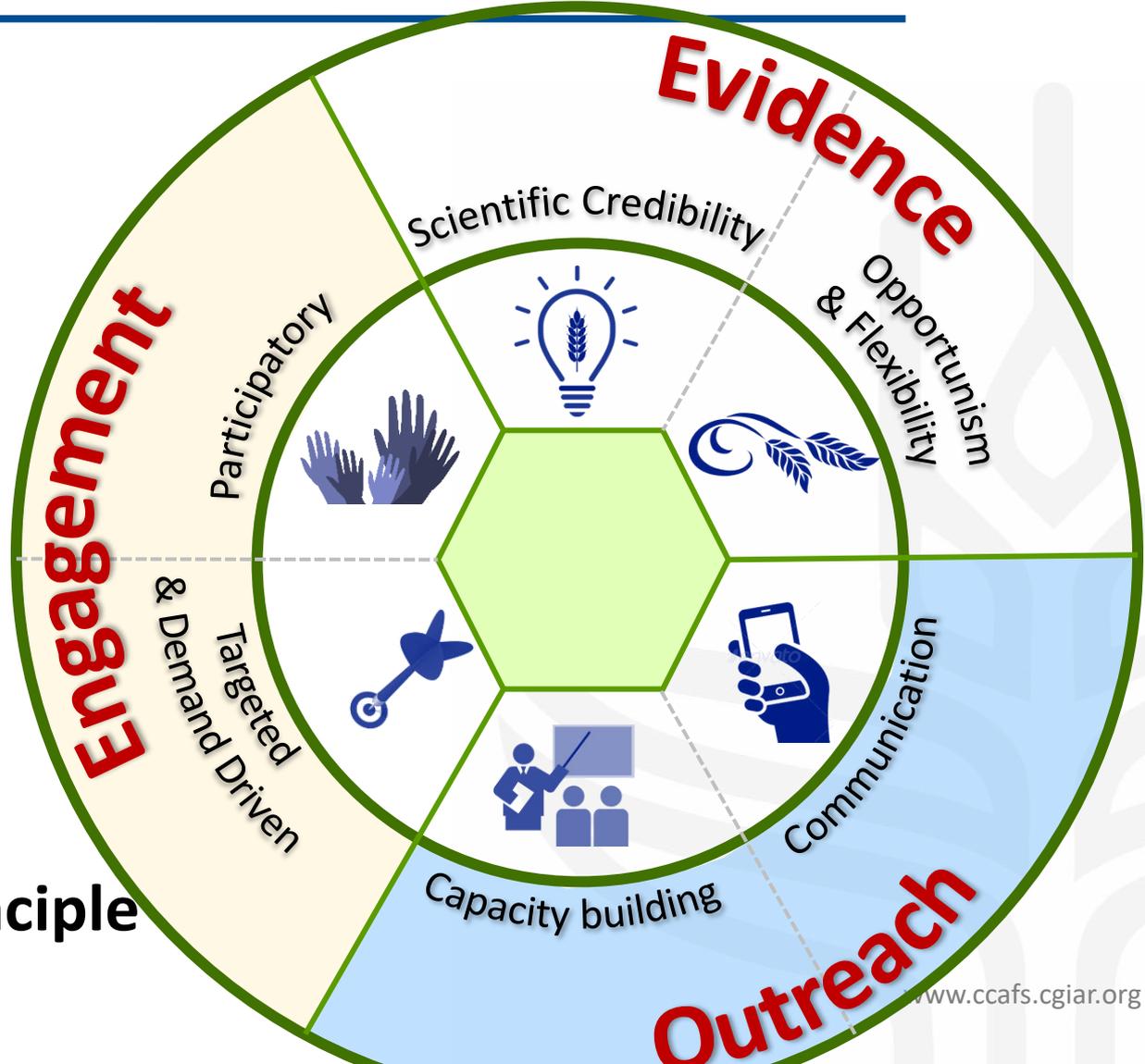
# Agricultural Research for Development



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3- Future outlook  
and innovations



Three thirds principle

# CCAFS and China



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- Monitoring, reporting and verification (MRV) (with the Global Research Alliance for Agricultural GHGs (GRA))
- Impact modelling with the Dutch Friesland Campina Sino-Dutch Dairy Development Project
- Farm Types and Farmer Motivations to Adapt (with ICRAF)
- Linking herders to carbon markets (ICRAF)

Massive opportunity for expanding China-CCAFS collaboration, with strong S-S learning component

# Thank you



## Xiè xiè dà jiā de guān zhù