Scaling up agricultural innovation for climate action: Key lessons and way forward

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1. Background
2. Examples
3. Which strategies are effective?
4. What are key opportunities?
5. How can international cooperation support?
CCAFS is a collaboration among all CGIAR Centers, led by The Alliance of Bioversity International and the International Center for Tropical Agriculture (CIAT). The program’s **overall objective** is:

**Catalyzing positive change towards...**

- Climate-smart agriculture (CSA)
- Climate-smart food systems
- Climate-smart landscapes

**...in order to**

- Reduce poverty
- Improve food and nutrition security for health
- Improve natural resource systems and ecosystem services
What are we trying to achieve?

Outcomes
Use of research by non-research partners to develop or change, policies and practices.
Target countries

- Guatemala
- El Salvador
- Honduras
- Nicaragua
- Colombia
- Burkina Faso
- Ghana
- Uganda
- Tanzania
- Kenya
- Ethiopia
- Nepal
- Cambodia
- Vietnam
- Laos
- Bangladesh
Example: Seasonal weather forecasts in Senegal

- 7 million farmers get forecasts
- Better food security outcomes

- Working with women and men farmers
- Working with national meteorological service
- Working with extension agencies
- Working with 15 community radio stations
Example: Alternate wetting and drying

- 25-75% water
- 20-50% GHG
- Without compromising yield

= Private sector investment guide

- National policies
- Tool box
  - Monitoring
  - Reporting
  - Validation
- Training materials for agri-extension
- Low emissions rice varieties
- Low-carbon certification schemes
- Suitability maps

= Sustainable Rice Platform (SRP)
Which strategies are effective?

Executive Summary

**100 Million Farmers Platform**

**WHAT**

This is a platform designed to drive action on food systems. It is a scale accelerator, in support of national or regional transition pathways that are net-zero, nature-positive, and farmer-centric.

**HOW**

- Catalyze ambition for public-private collaborative action.
- Build place-based, multistakeholder coalitions to develop solutions that incentivize farmers to adopt sustainable practices, in a way that is locally relevant and created local ownership.
- Empower consumers to demand sustainable food.

100 Million Farmers aims to accelerate the transition towards net-zero, nature-positive food systems for both people and planet.
The 100 Million Farmers Platform has three objectives

1. **AMPLIFYING A SHARED NARRATIVE**
   Advance a shared narrative whereby food systems are included as a necessary solution to address climate change and biodiversity loss.

2. **ACCELERATING COLLABORATIVE ACTION**
   Catalyze multistakeholder partnerships, that work with the farmers, to drive action, transform food systems and deliver on net-zero, nature positive targets.

3. **UNLOCK SCALE**
   Activate a systems change to empower 100 million farmers and one billion consumers in the shift towards sustainable agriculture by supporting the necessary enabling environment.
But key challenges in the knowledge and innovation system

Agricultural research for development

“publish or perish.”

How can we change?

More strategic agendas
Clear theories of change
Less fragmented
Involving stakeholders from Day 1
Attention to deployment
Success = benefits to society

fragmented,
inefficient,
duplication,
overly supply-based,
siloed

Difficult to deliver end-to-end, sustainable and scalable solutions
How can international cooperation support?

- Share risks
- Create shared value
- Make markets work

- Outcome based finance
- Purpose driven partnerships
- Participatory future scenarios
- Organizations with dynamic capabilities

How can international cooperation support?

• Increase investment in agricultural research and innovation.

• Secure more public investment for demand-driven innovation.

• Showcase successful business models and develop public-private partnerships for scale.

• Forge consensus on the evidence of what works.
Join the #ClimateShot – an agricultural innovation race to save our planet.

www.climateshot.earth