

# 25 million African Farming Families by 2025:

## Science-Development Partnerships for Scaling Climate-Smart Agriculture



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



### AU-NEPAD Vision 25x25

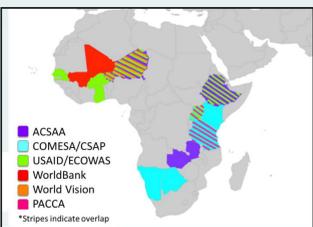
The African Union-New Partnership for African Development (AU-NEPAD) has set a goal of 25 million farming families practicing Climate Smart Agriculture (CSA) by 2025 (Vision 25x25). This Vision 25x25 came out of the African Union Leaders "Malabo Declaration" of 2014 that set a path forward for African agricultural development over the next decade.

Science and technical support is needed to help AU-NEPAD and its partners achieve this goal. The CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS) is developing a collaboration with AU-NEPAD to provide support to Vision 25x25. This poster describes some of the ways CCAFS is working to provide this support.



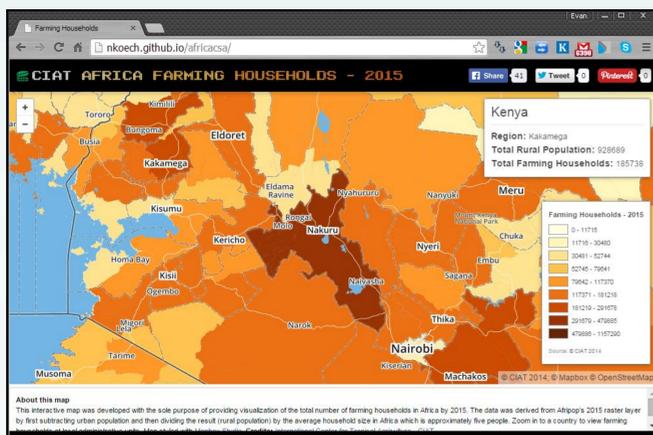
### Stakeholder Engagement

The P4S-CSA project is providing support to a wide range of stakeholders, including COMESA, ECOWAS, NEPAD, & the Cross-Sectorial Africa CSA Alliance (ACSAA), among others.



### CSA Targets

The P4S project is developing an interactive web-based application to show targets for number of farming households to target for CSA adoption in countries and districts through out Africa.



### Financing Mechanisms

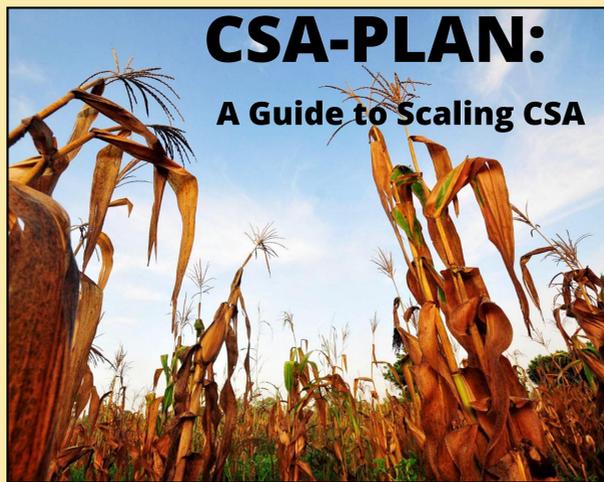
Financing is critical as a basis for reaching 25 million farmers, and technical support is need for both the development and implementation of different funding opportunities. In particular, results-based financing mechanisms are being developed which need clear indicators and metrics for measuring success.



### Indicators

Indicators and metrics are an integral part of CSA-PLAN which are used throughout all of the core components from Situation Analysis through to Monitoring & Evaluation

Production	Adaptation	Mitigation
<b>Indicators</b> Select all Yield Variability Labour Income Add another	<b>Indicators</b> Select all Food access Resilience Water use efficiency Nutrient efficiency Energy use efficiency Biodiversity Pest-pathogen Resistance and tolerance Soil erosion Add another	<b>Indicators</b> Select all Emissions intensity On-farm emissions Off-farm emissions Add another



### Linking Decisions Across Scales

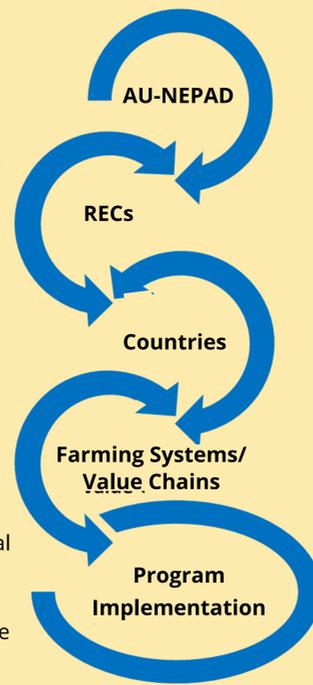
#### CAADP +10

The AU-NEPAD Comprehensive African Agriculture Development Program (CAADP) has set out a clear framework for agricultural development and investment planning across scales of decision making in Africa.

This framework links continental level processes (AU-NEPAD) through the African Regional Economic Communities (RECs) to individual Countries who develop National Agricultural Investment Plans (NAIPs). These NAIPs direct agricultural programming for specific farming systems and value chains, ultimately reaching the farmer.

The "Malabo Declaration" of 2014 has re-affirmed this framework over then next decade, and provides an emphasis for climate resilient agricultural development to be implemented through this CAADP +10 process.

The P4S Project is providing support through CSA-PLAN to the CAADP +10 process across these decision-making levels.



### Monitoring & Evaluation

Challenges for monitoring CSA

- Multi-Objective Complexity: productivity, resilience, mitigation
- Scale of Impact: farm to continent
- Multi-Institutional Coordination: government, CSOs, NGOs, farmers organizations, private sector, donors, etc.

### Partnerships for Scaling CSA

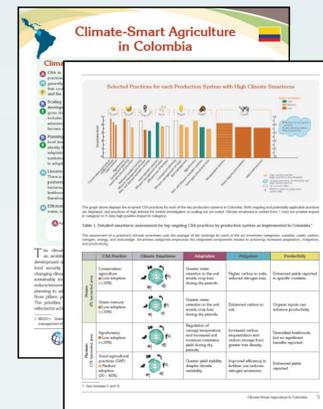
Partnerships for Scaling Climate Smart Agriculture (P4S-CSA) is a Flagship Project of the CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). P4S is solidifying partnerships between CCAFS and key African institutions to support the scaling of CSA.

The primary P4S outcome will be more effective CSA programming, which will ultimately increase CSA adoption by farmers and return on CSA investments by donors. Working through partnerships, this project is mainstreaming the use of science-based approaches for targeting, prioritizing, and scaling CSA.

The data, tools, and lessons learned will be built into an open source platform that stands to become the clearinghouse for CSA decision-support.

### Situation Analysis

#### CSA Country Profiles



- Agricultural snapshot
- Future climate impacts
- Biophysical assessments
- Ongoing CSA activities
- Institutions
- Potential CSA options
- Policy opportunities
- Finance mechanism

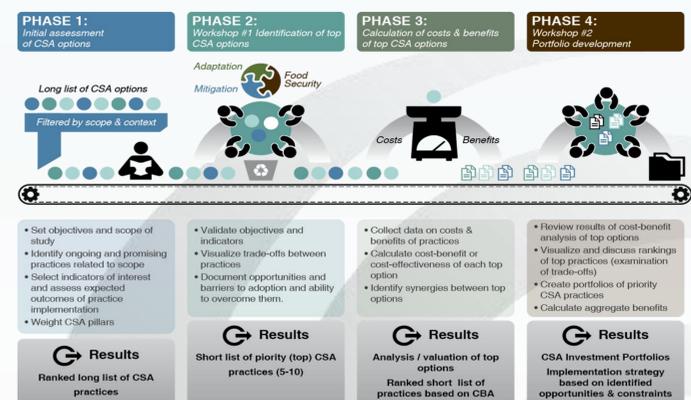


The Climate Wizard provides an easy-to-use web-based application to explore and access future climate change information. Look at how climate is projected to change for specific areas throughout Africa.

Visit the Climate Wizard at: <http://climatewizard.ciat.cgiar.org/AfricaCSA>

### Targeting & Prioritizing

#### CIAT-CCAFS CSA Prioritization Framework



### Programming Design

- Investment appraisal
- Barriers and constraints analyses
- Cost-benefit analysis
- Spatial targeting of implementation activities
- Business models for scaling CSA
- Learning guidelines, agenda, tools, and approaches