

Communication and social learning: supporting local decision making on climate change, agriculture and food security









Message 1:

In the coming decades, climate change and other global trends will endanger agriculture, food security, and rural livelihoods.







CCAFS: the partnership



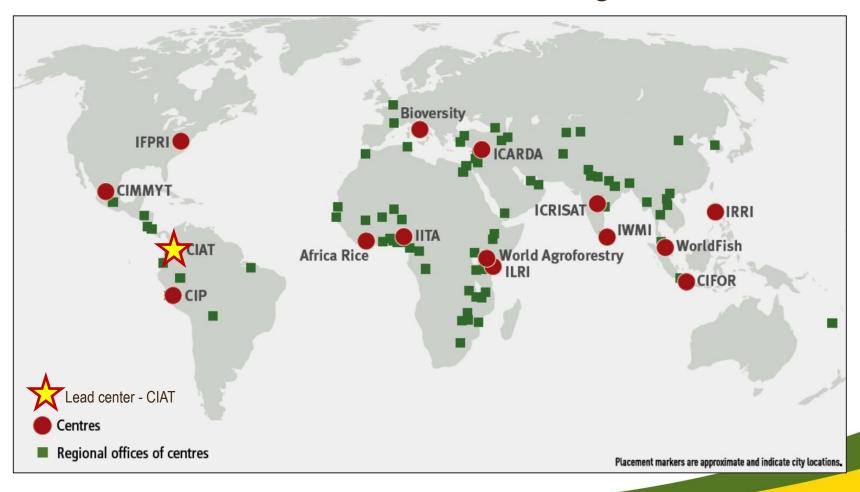






The CGIAR Research Centers

Where is the research being done? >> At our 15 CG centers and ~70 regional offices





CCAFS objectives



- Identify and develop pro-poor adaptation and mitigation practices, technologies and policies for agriculture and food systems.
- Support the inclusion of agricultural issues in climate change policies, and of climate issues in agricultural policies, at all levels.

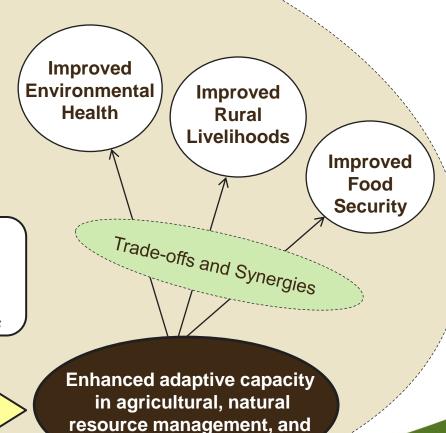
The CCAFS Framework



Adapting Agriculture to Climate Variability and Change

Technologies, practices, partnerships and policies for:

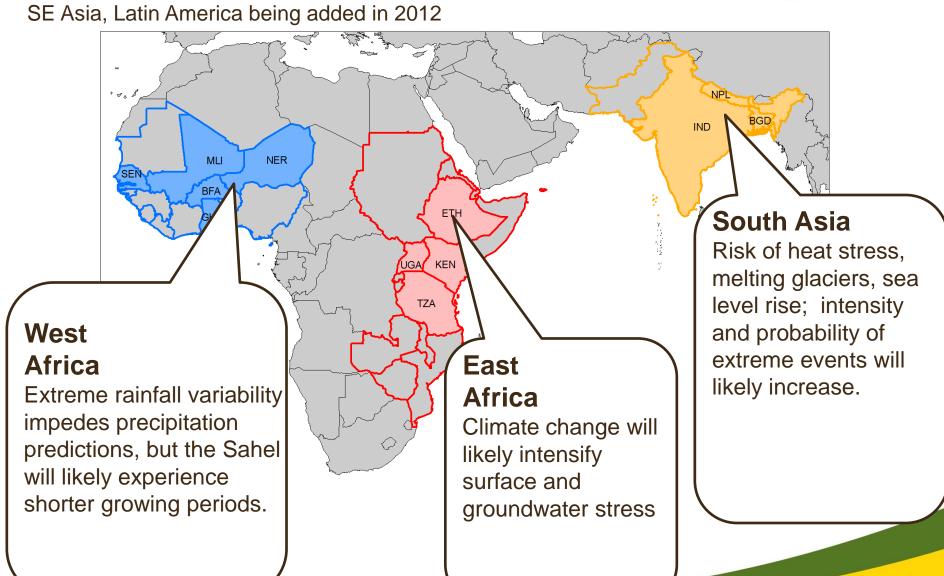
- 1. Adaptation to Progressive Climate Change
- 2. Adaptation through Managing Climate Risk
- 3. Pro-poor Climate Change Mitigation
 - 4. Integration for Decision Making
 - · Linking Knowledge with Action
 - Assembling Data and Tools for Analysis and Planning
 - Refining Frameworks for Policy Analysis



food systems

Regional activity (including place-based field work)







CLIMATE CHANGE AGRICULTURE AND FOOD SECURITY

Adaptation to progressive climate change - 1

Objective One:

Adapted farming systems via integrated technologies, practices, and policies

Objective Two:

Breeding strategies to address abiotic and biotic stresses induced by future climates

Objective Three:

Integrated adaptation strategies inserted into policy and institutional frameworks

THE VISION

- Climate-related risk impedes development, leading to chronic poverty and dependency
- Actions taken now can reduce vulnerability in the short term and enhance resilience in the long term
- •Improving current climate risk management will reduce obstacles to making future structural adaptations.



Managing Climate Risk - 2



Objective One:

Building resilient livelihoods (Farm level)

Objective Two:

Food delivery, trade, and crisis response (Food system level)

Objective Three:

Enhanced climate information and services

VISION

Short-term:

Identifying options feasible for smallholder mitigation and trade-offs with other outcomes

Long-term:

Addressing conflict between achieving food security and agricultural mitigation

Pro-poor Mitigation



CLIMATE CHANGE AGRICULTURE AND FOOD SECURITY

Pro-poor climate change mitigation - 3

Objective One:

Identify low-carbon agricultural development pathways

Objective Two:

Develop incentives and institutional arrangements

Objective Three:

Develop on-farm technological options for mitigation and research landscape implications

VISION

- •Provide an analytical and diagnostic framework, grounded in the policy context
- Synthesize lessons learned
- •Effectively engage with rural stakeholders and decision makers
- •Communicate likely effects of specific policies and interventions
- Build partners' capacity



Integration for Decision Making - 4





Objective One:

Linking knowledge with action

Objective Two:

Data and tools for analysis and planning

Objective Three:

Refining frameworks for policy analysis

Cross-cutting principles (C



- Building a user-driven agenda (local -> regional -> global)
- Mainstream outputs and outcomes
 - For research partners to generate useful data, tools, and results
 - For policy partners to demand and use data, tools, and results
- Capacity enhancement
 - People or organizations increasing their own ability to achieve their objectives effectively and efficiently
 - Adaptation requires embedded local capacity, not external solutions
 - CCAFS aims to enhance both (a) research capacities and (b) capacities to link knowledge and action
- Social differentiation
 - Social groups differ in (a) vulnerability to climate change and (b) abilities to respond

Linking research at different levels



Global visioning activities

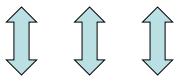
Global Scenarios



Global impacts modelling

Participatory scenario building

Regional Scenarios



Regional impacts modelling

Action research

Farmer/village perspectives

Household & community impacts modelling

Theme 4: 2012-15



- Partner-led communication & engagement
- Focused initiatives on gender and social differentiation
- Decision aids developed and tested in selected sites that build on information needs of socially-differentiated target groups
- Decision aids and tools utilized for prioritizing adaptation and mitigation actions at subnational scales

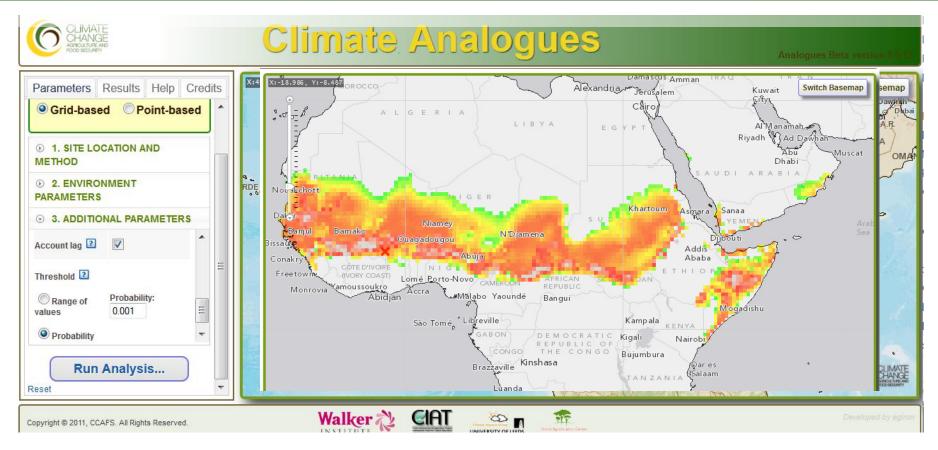
Existing Initiatives



Benefits of an analogue approach

- Large uncertainties remain regarding future projections of climate, and their resultant impacts on farming systems, especially at the local level.
- The adaptive capacity of communities is a factor rarely taken into account in the global/regional models on which policy makers often rely
- The use of climate analogues for locating future climates today can ground models in field-based realities, significantly enhancing our knowledge of adaptation capacity and supporting the identification of appropriate interventions.

Analogue Tool: Finding Tomorrow's agriculture today

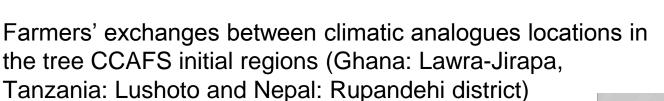


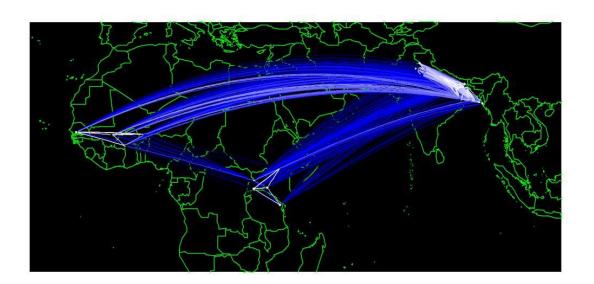
- ✓ Permitting validation of computational models and trialing new technologies
- √ Facilitating farmer-to-farmer exchange of knowledge
- ✓ Learning from history

Farms of the future

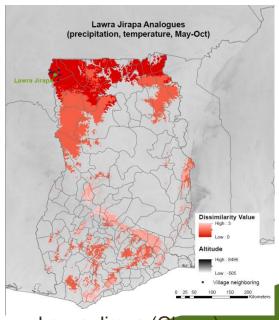
Taking the analogue concept to the field

> Study of farmer's social, cultural and gender specific barriers for enabling behavioral change and improve adaptive capacity.









Lawra-Jirapa (Ghana)

Communication & social learning

Review – IDS/IIED discussion paper

Workshop

- Strengths, weaknesses, possibilities of existing approaches/tools
- Identify/prioritize researchable issues that CCAFS is best suited to address, itself or through collaboration
- Set out main elements of a CCAFS strategy and define priority activities for CCAFS and partners to implement it
- Key pathways of engagement with partners, networks and organizations
- Identify potential donors that could be approached to leverage additional funding for this multi-year activity
- Reminder: balance between regions and themes...

Next steps....

What CCAFS brings



- Long-term program and new set-up
- Global brand to help leverage funding
- Access to CGIAR expertise research, tools, models, impact assessment, etc.
- Global reach of CGIAR scalability, regions, comparability, partners & linkages, facilities
- CGIAR commitment to producing international public goods, not serving a specific agenda
- CCAFS as a testbed for new approaches
- Amenable to questions you would want to ask

Criteria



- Focus on local / rural
- Social differentiation
- Scalability & potential size of impact
- Probability of success
- Durability
- Communicating uncertainty
- What can CCAFS do directly and what with partners?

