HIGH-LEVEL MEETING ON THE INITIATIVE FOR THE ADAPTATION OF AFRICAN AGRICULTURE TO CLIMATE CHANGE "AAA"

RENCONTRE DE HAUT NIVEAU SUR L'INITIATIVE POUR L'ADAPTATION DE L'AGRICULTURE AFRICAINE AUX CHANGEMENTS CLIMATIQUES "AAA"
Climate Risk Management

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E-mail a.araba@cgiar.org
Main messages

• Agricultural technologies and practices are only part of the solution – let’s think broadly
• Diverse actions are needed to drive climate risk management
• Lets scale up what works (several examples)
Take a broad perspective on resilience building

- Capacity to learn and self-organise
- Engagement and responsive governance
- Commitment of leadership

Increasing capacity of people to adapt

Information
Awareness and knowledge of, and access to, locally relevant resilience-building approaches

Asset abundance
Asset diversity
Production efficiency

Enhanced livelihoods and farm functioning

Regulating services
Supporting, provisioning and cultural services

Ecosystem services that foster resilience

Hills et al. 2015. A Monitoring Instrument for Resilience
CCAFS Working Paper No. 96
Climate risk management needs a portfolio approach – no silver bullets

Severity/frequency of extreme events

Household actions

- Minor impacts and/or infrequent
- Shifts to stress-tolerant practices and breeds/varieties
- Build natural assets
- Productive social safety nets
- Early warning
- Local adaptation planning
- Mobile financial services
- Index-based insurance
- Seasonal advisories
- Food system planning
- Humanitarian assistance & emergency services
- Migration
- Shifting out of agriculture
- Mobile financial services
- Food system planning

National and sub-national agency actions

- Incremental adaptation
- Transformative adaptation
- Total loss of all livelihood options and/or frequent severe losses
- Seasonal advisories
- Index-based insurance
- Mobile financial services
- Build natural assets
- Shifts in crops & livestock
- Shifts to stress-tolerant practices and breeds/varieties
- Local adaptation planning
- Early warning
- Humanitarian assistance & emergency services
- Migration
- Shifting out of agriculture
- Mobile financial services
- Food system planning
Prioritization is key
Getting farmers connected……

fertiliser, forecasts, insurance

• Mobile platform for delivery of fertilizer subsidies to smallholders
• Over 4 million smallholders being served - subsidy cost per farmer dropped by over 80%
• Next: → index-based insurance?
  → mobile-based advisories
Getting farmers seasonal advisories

- Traditional and scientific knowledge
- Women and men farmers
- What forecasts change behaviour

- 15 community radio stations
- 7 million rural people get forecasts
• *IRI provides the forecast*

• **Early Warning, Early Action**
  - *Strategy for enhanced flood preparedness and response*

• **Greater partnership needed between Agriculture and Meteorological agencies**
PARTNERSHIP FOR AGRICULTURAL INFORMATION IN AFRICA

SOIL INFORMATION + WEATHER INFORMATION + YIELD INFORMATION + RESILIENCE TRAITS + UNIQUE IDENTIFIERS

FINANCIAL SERVICES + SUSTAINABLE LAND MANAGEMENT + SMART MARKET ACCESS + PRECISION FARMING

NEW SCIENCE + MOBILE SERVICES + INSURANCE + OTHERS

ECO-EFFICIENT AGRICULTURE
Early Action works:

- Faster response: **1-2 days** rather than 40 in 2007
- Fewer victims (**30** instead of hundreds)
- Lower cost per beneficiary (**30%**)
Productive Safety Nets

Example: Ethiopia

- Cash transfers for work by chronically food insecure populations
- ~1.3 million made food secure
- Growth in livestock holdings
- 9 million ha rehabilitated
- Better access to clean water
- Increase in school attendance
Recognition that to build resilience we must go beyond agricultural technologies and practices

We need a portfolio approach – there is no silver bullet

Given the diversity of options, scientists need to give attention to helping major development players to prioritise options and portfolios.

There are many examples of successful actions that facilitate resilience building for climate risks

Key Take-away
Thank you

@CIAT_
@debisiaraba