



**AICCRA**

Accelerating Impacts of CGIAR  
Climate Research for Africa



**WORLD BANK GROUP**

**World Bank hybrid event**  
**Is African agriculture adapting to  
climate change fast enough?**  
8 March 2023

The impact of  
*Accelerating Impacts of CGIAR Climate  
Research for Africa (AICCRA)*

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# Why AICCRA?



## Acute food insecurity:

- 46 m people in Central and Southern Africa
- 44 m people in East Africa
- 30 m people in West Africa and the Sahel

*(People in Crisis or worse (IPC Phase 3 or above) - 2022 FSIN Global Report on Food Crises)*



Increased temperature has contributed to a **34% reduction in agricultural productivity growth in Africa since 1961**. This is more than any other region in the world. *(State of the Climate in Africa 2021 Report)*



In recent years, many **extreme and high-impact events were reported across Africa**. The continent was affected by heavy rainfall, floods, land-falling tropical cyclones, droughts, heatwaves, wildfires, and sandstorms.



Of the 51 Member States that reported progress in implementing the **Malabo Declaration** during the 2021 CAADP Biennial Review cycle, **only one country (Rwanda) is on-track**. *(3rd CAADP Biennial Review Report)*



**The majority of African Parties to the Paris Climate Agreement mention agriculture and food security, water, health, and disaster risk reduction as top priority areas for adaptation in their NDCs**. *(State of the Climate in Africa 2021 Report)*

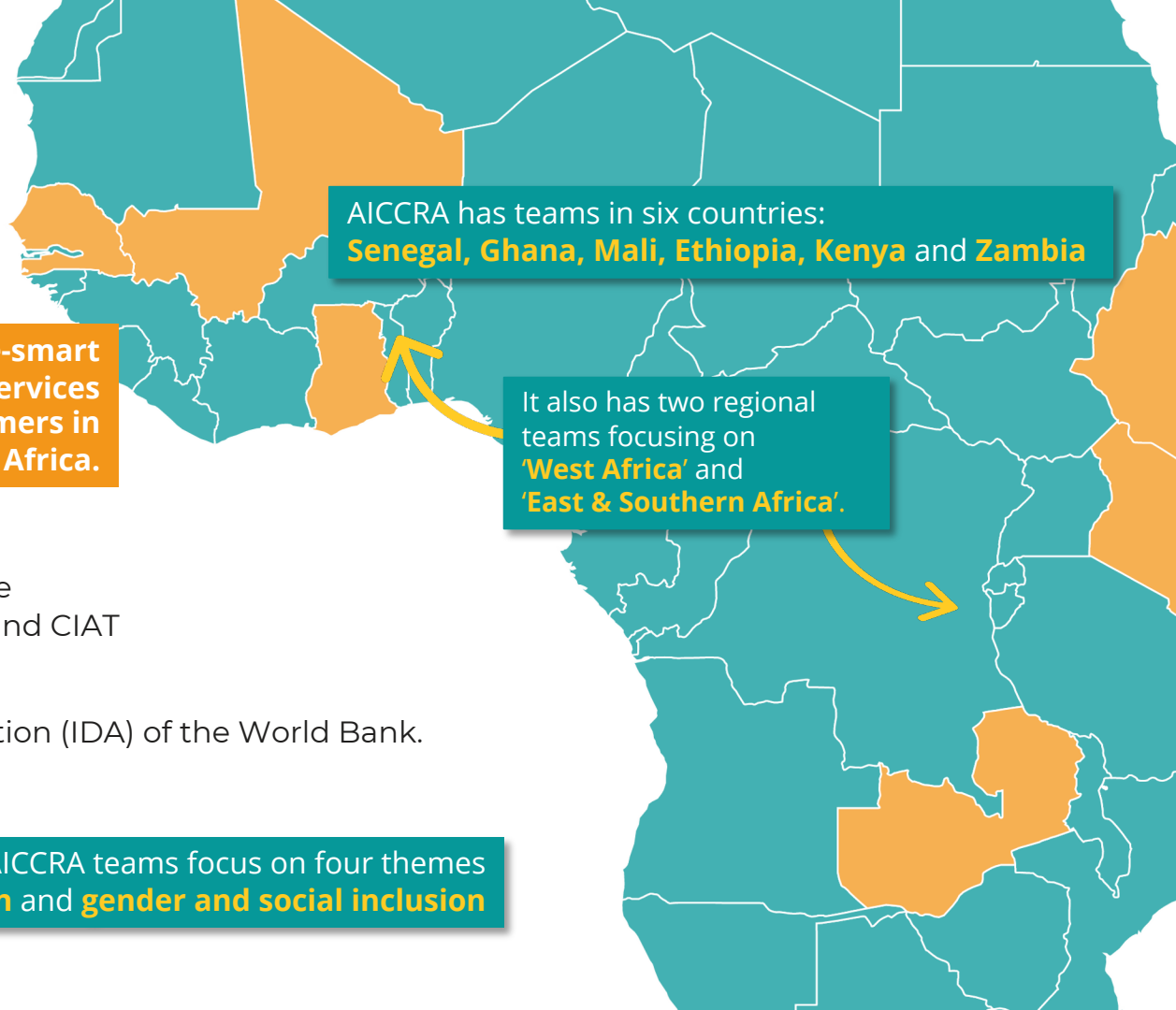
# What is AICCRA?

AICCRA works to scale climate-smart agriculture and climate information services that reach millions of smallholder farmers in Africa.

AICCRA is a CGIAR project led by the Alliance of Bioversity International and CIAT

It is supported by a grant from the International Development Association (IDA) of the World Bank.

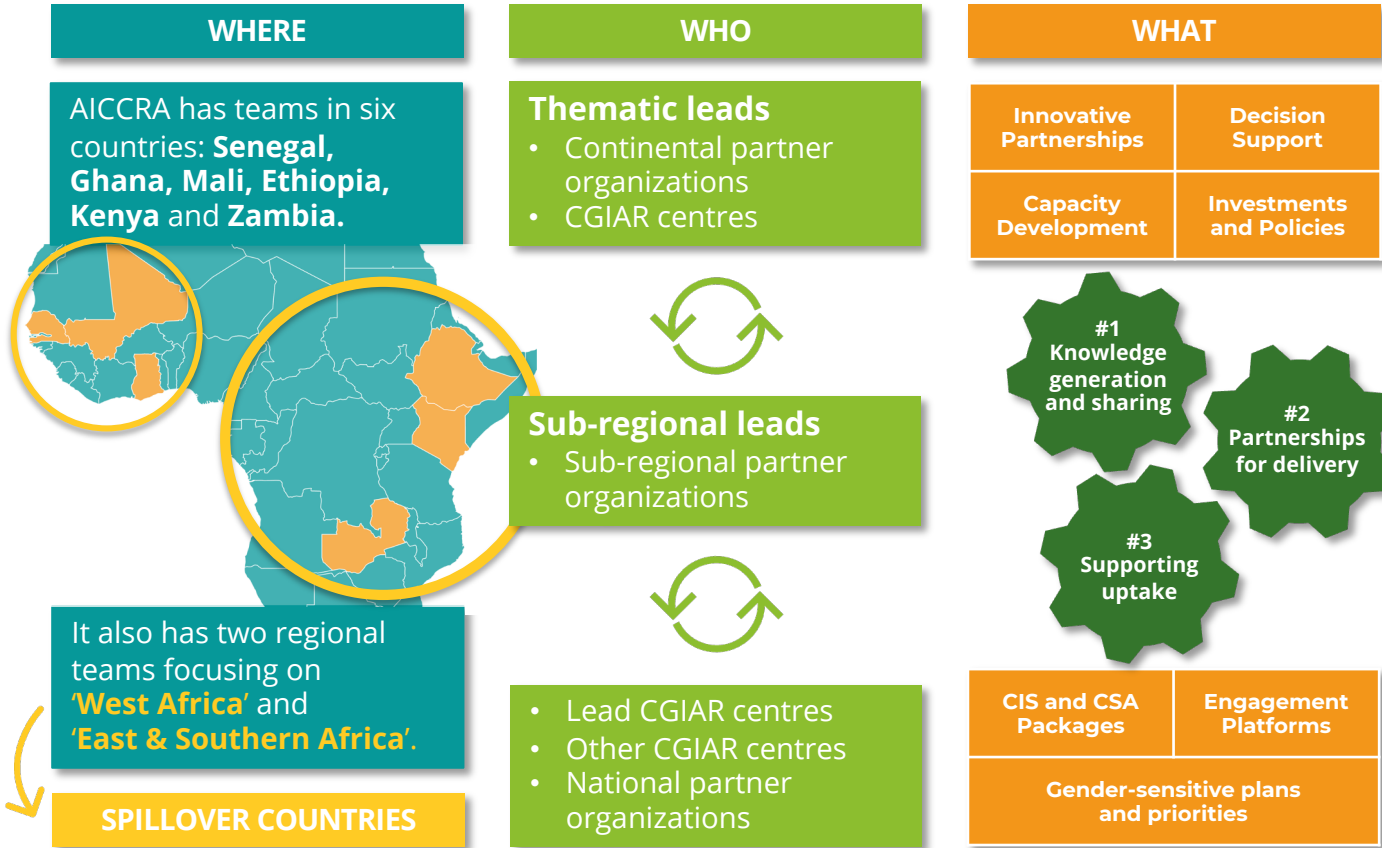
AICCRA teams focus on four themes  
**Knowledge, partnerships, innovation** and **gender and social inclusion**



AICCRA has teams in six countries:  
**Senegal, Ghana, Mali, Ethiopia, Kenya** and **Zambia**

It also has two regional teams focusing on  
**'West Africa'** and  
**'East & Southern Africa'**.

# How AICCRA works



# AICCRA goals

The original 'Project Development Objective' was to reach 1.5 million smallholder farmers in Africa with climate-smart agriculture and climate services.

**So far, we've reached nearly 3 million.**



# AICCRA scaling in action

Stories from our 2022 Annual Report



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**Senegal** | Reached 274,677

Innovations

- SMS and voice messages through Jokalanté SAIDA app
- Intelligent Systems Advisory Tool (iSAT)
- Gender Smart Accelerator



**Ethiopia**

Reached 220,352

Innovations

- Smart Pack for small ruminants
- Revamped Ethiopian Digital Agro-Climatic Advisory Platform (EDACaP V2)



**Ghana** | Reached 256,981

Innovations

- CSA-CIS One Health Manual
- ESOKO field days
- Drought, pest and disease tolerant, early maturing maize



**Mali** | Reached 111,064

Innovations

- RiceAdvice app
- Pay-As-You-Go solar irrigation



*Outcome story* > RiceAdvice increased rice yield of 1.0 t/ha in women's and 0.8 t/ha in men's fields and in an income increase of USD 5.262 per hectare and a food consumption score increase of 3.1 per year

**Zambia**  
Reached 118,746  
Innovations

- Agri-SME Accelerator Program
- Lima Links
- Munda Makeover TV show



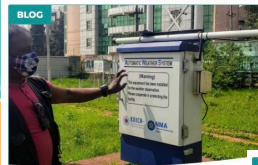
**Kenya**

Reached 1,900,000

Innovations

- Shamba Shape Up TV show
- KAZNET
- Gender and CSA Science Policy Dialogue





BLOG

New digital innovation harnesses power of real-time weather data



INNOVATION STORY

Maprooms turn 'shapeless' climate data into powerful tools of action



INNOVATION STORY

Meet the next generation of Africa's climate forecasters

Five African national meteorological services enabled to adopt the **Automatic Weather Station Data Tool (ADT)** in operations, leading to transformation in their ability to access, analyze, and utilize data streams for products tailored for decision making.



International Research Institute  
for Climate and Society  
EARTH INSTITUTE | COLUMBIA UNIVERSITY







AICCR strengthened the technical capacity of AGRHYMET—West Africa's regional climate centre—in 'NextGen' seasonal climate forecasting system, allowing a shift to dynamic forecast models.

A regional community of practice for foresight in West and Central Africa established with AICCR support is improving regional preparedness and response plans to pest and disease outbreaks driven by climate change.

The African Group of Negotiators Expert Support (AGNES) strengthened the science that informs their position in UNFCCC agricultural negotiations thanks to AICCR.

In East and Southern Africa, AICCR's partnership with RUFORUM, ICARDA, and IRI led to 16 universities including CIS and CSA content in their curriculums. In total, AICCR has forged 23 partnerships with universities across Africa.

AICCRA has leveraged **USD 14.6 million** for scaling CSA and CIS from the following organization

### Theme 1

- Bill & Melinda Gates Foundation
- Open Society Foundation
- Children's Investment Fund Foundation

### Theme 4

- Columbia University
- US Department of State

### East & Southern Africa

- Australian Centre for International Agricultural Research

### Ethiopia

- InterAid
- World Bank country office

### Zambia

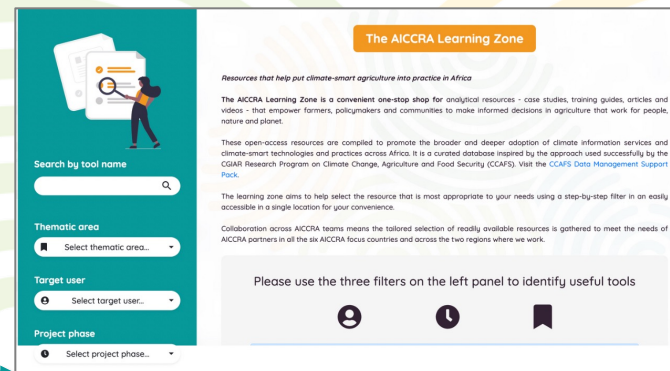
- USAID
- Private investors

## Plus

- AICCRA's work in Kenya instrumental in the design of the World Bank USD 365m **'De-risking, inclusion and value enhancement of pastoral economies in the Horn of Africa' (DRIVE)** project.
- AICCRA collaborates closely with the **World Bank's West Africa Food Systems Resilience Program (FSRP)**.
- AICCRA work with CORAF to strengthen foresight to manage transboundary and climate-driven pests and diseases in West and Central Africa is helping facilitate a **potential USD 70m investment by AfDB**.

# Sharing knowledge & inspiring action

- AICCRA produced 37 peer-reviewed open access papers in 2022.
- On the AICCRA website, there are more than **90 briefs available**, complemented by a **learning zone filled with 50 open-access tools** and resources that help put CSA into practice.



- *aiccra.cgiar.org* saw 53,000 page views in 2022
- 73 news items (blogs, press releases, podcasts, etc.)
- 55 events
- Social media and newsletters.
- AICCRA **hosts capacity building workshops in strategic communications** for partners and CSA/CIS for media organisations.
- AICCRA sharing insights on strategic communications with the World Bank's **Agricultural Productivity Program for Southern Africa (APPSA) project**.



# Thank you



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