



INITIATIVE ON
Excellence in
Agronomy



EXCELLENCE IN AGRONOMY

ADAPT INTENSIFY GROW

Digital Agriculture Advisory Services: Transforming Farming Practices

INNOVATIVE APPROACHES FOR SUSTAINABILITY AND IMPACT

*By Mandla Nkomo, Chief Growth Officer
CGIAR Excellence in Agronomy Initiative*



Agenda

01

INTRODUCTION: An overview of the session's purpose and what attendees can expect to learn.

02

Evolution of Digital Agriculture Advisory: Exploring the historical development of these services.

03

Challenges and Solutions: Identifying key challenges & proposed solutions in the sector

04

EiA Initiatives and Use Cases: An in-depth look at specific projects and their impact.

05

Objectives and Call to Action: A summary of the key objectives and a call for collaboration.

Digital Technology Revolution In Agriculture

01

Digital agriculture advisory services important to meet the needs of today's farmers.

02

Technology plays a critical role in modern agriculture.

03

Management (agronomy) is the next global agriculture revolution ! Sustainable and efficient farming practices.



Farmer Questions and Challenges

- Access to Agronomy information.
- Degraded soils, changing climate patterns, and limited resources.
- Innovative revenue models, partnerships with public and private sectors, and tailored services are essential to overcome these hurdles.
- Sustainable and accessible solutions to drive agricultural transformation.



DON'T LOSE SIGHT OF FARMER NEEDS



What is The Solution?



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The Solution: A Global Accelerator for Agronomy Solutions



A collaborative platform for agronomy solutions



A demand driven, Use Case-focused approach to create scalable agronomic solutions



Integrated and coordinated development of data-driven tools, platforms and insight generators for decision support



Building an accessible platform for Agronomy@Scale practitioner tools and products

Validated Agronomic Solutions



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Agri Advisory



Akilimo Suite



Coalition of The Willing



Disease Surveillance



Extension Platforms



Fertilizer Investment



Fertilizer Recommendations



Mechanization Facilitation



Mechanization Management



Mechanized Conservation



On Demand Info



Planting Date Advisory



Practice for Perennials



Risk Mitigation



Variety Mapping



CASH



Weather Advisory



Yield Gap Analysis

PLUS 1



Use and Uptake Tracker



Focus on Farmer Advisories: Collaboration with Mercy Corps



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On Demand Info

- Maize, cowpeas, potatoes, cassava and rice in Nigeria
- Crop and site specific digital advisory content available on demand through an easily searchable content hub for farmer support organizations
- Multiple dissemination channels using various formats, including via large language model driven chatbots and similar platforms.



Focus on Farmer Advisories: Collaboration for Soy Farmers



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Agronomy advisory platforms for soybean producers in Ghana and in Southern Africa in the ChiNyanja triangle (Southern Africa)



Focus on Farmer Advisories: Collaboration for Wheat Farmers



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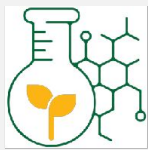


Yield Gap Analysis

- Remote sensing driven system that aggregates yield data across irrigated agricultural zones
- Provides visual guidance on yield gaps, and advisory on closing the gaps.
- Robust workflow for yield gap decomposition analysis in varying contexts.
- Solutions ready for scale.



Commitment to Advancing Agronomy and Supporting Farmers.



~ 100
Scientists and
Support staff



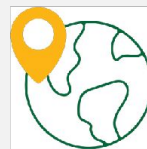
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Million Farmers
Targeted



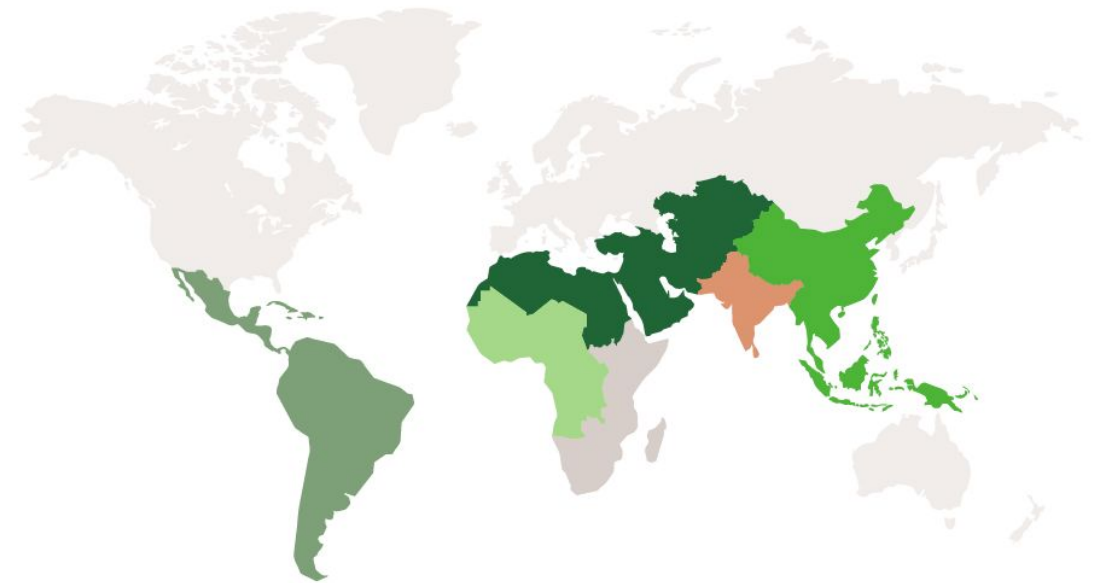
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Validated
Agronomic Solutions



10
CGIAR Centers

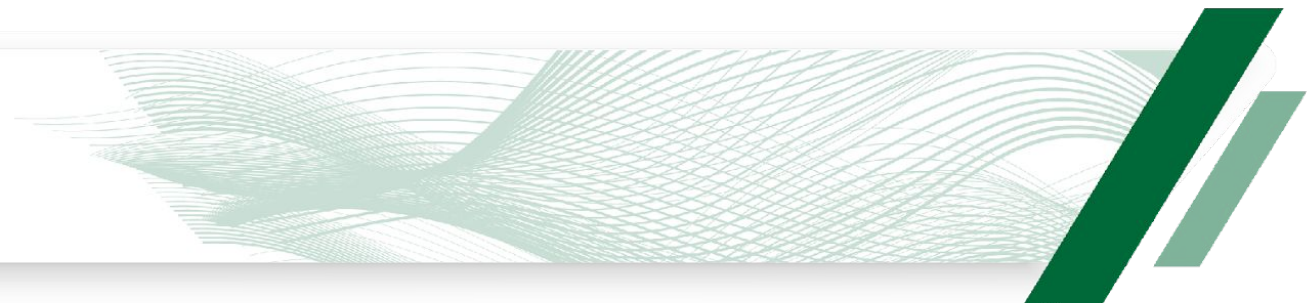


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Countries



Central West Asia & North Africa South-East Asia & Pacific South Asia Latin America & Caribbean West & Central Africa East & Southern Africa

What Does it Take to Succeed?



Questions?



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Thank You!

Partner with us

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