

# GeoAgro - MiSR -: Yield Gap Analysis Tool

GeoAgro, an ICARDA initiative, is a digital aid for farmers offering agronomy insights, weather updates, expert advice, and a marketplace. It supports resource optimization, agronomic gains, and Egypt's digital transformation, while respecting user privacy and addressing global challenges




**Excellence in Agronomy**  
Barbra Sehlule Muzata

This technology is **pre-validated**.

8·7



Scaling readiness: idea maturity 8/9; level of use 7/9

Gender assessment  4

Climate impact  1

## Problem

- **Knowledge Gap:** Limited access to crucial farming information.
- **Market Limitations:** Difficulties in accessing agricultural markets.
- **Climate Impact:** Adverse effects of climate change on farming.

## Solution

- **Empowerment:** Provides knowledge and financial advice to farmers.
- **Efficiency:** Enhances market access and resource use.
- **Resilience:** Helps farmers adapt to climate change.

## Key points to design your project

GeoAgro Digital boosts agricultural productivity (SDG 2), empowers women farmers (SDG 5), and supports climate action (SDG 13) through optimized farm management and data-driven insights.

### Scaling GeoAgro in Africa:

1. **Assess and Partner:** Identify target countries, needs, and collaborate with local agricultural bodies.
2. **Train and Localize:** Educate local workers and farmers; adapt the app to local languages and practices.
3. **Support and Promote:** Ensure smartphone and internet access; provide offline options; use educational materials and local media.
4. **Monitor and Sustain:** Collect feedback, track app usage, and develop subscription or partnership models.

These steps will enhance agricultural productivity and sustainability in African countries.



Unknown

Technology from

CASH from EiA

Commodities

Wheat, Faba beans

Sustainable Development Goals

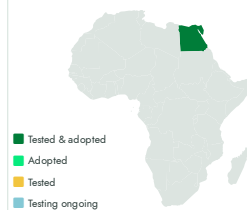


+ 2 more

Categories

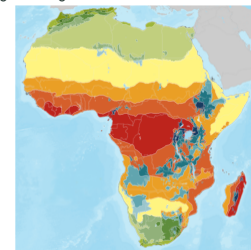
Production, Prevention & storage,  
Transformation, Market, Pre-production,  
Digital applications, + 2 more

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



Target groups



GeoAgro - MiSR -

<https://taat.africa/ywe>

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