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

This technology is **pre-validated**.

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

IP
Unknown

Excellence in Agronomy
Barbra Sehlule Muzata

Technology from
CASH from EiA

Commodities
Wheat, Faba beans
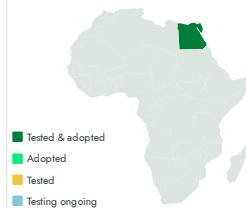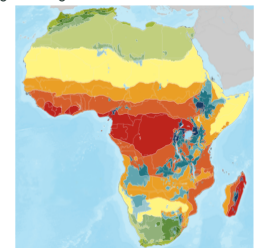
Sustainable Development Goals

1 NO POVERTY
2 ZERO HUNGER
5 GENDER EQUALITY
8 DECENT WORK AND ECONOMIC GROWTH
10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES

+ 2 more

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

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.

Tested/adopted in

- Tested & adopted
- Adopted
- Tested
- Testing ongoing

Where it can be used

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

Key points to design your business plan

To integrate the GeoAgro app into your farming system effectively:

1. **Download and Install:** Use a compatible smartphone or tablet. Get the app from the Google Play Store or GeoAgro's web app for digital tools.
2. **Initial Setup:** Create an account and input farm data like field sizes, crop types, soil conditions. Seek help from local agricultural officers or GeoAgro reps if needed.
3. **Gathering Farm Data:** Assess your farm for soil type, moisture, crop health, and weather using kits and stations. Complete before app entry and update periodically.
4. **Local Partnerships:** Connect with local ag institutions and GeoAgro reps from EiA. Partner with universities for training and resources.
5. **Training and Learning:** Attend local sessions or webinars for app navigation and data interpretation. Use app tutorials for better understanding.

Integrating these steps enhances farm management and productivity with the GeoAgro app.

Gender assessment 👍 4

Climate impact 👍 1

Target groups