

NextGen Advisory: Digital Advisory tool for Farmers

Empowering Farmers with Digital Guidance

The NextGen advisory system utilizes precise location, context, and climate data to offer tailored agricultural advisories. Using machine learning algorithms, the system analyzes diverse data points to provide accurate recommendations for fertilizer use and other farming practices.



CGIAR SFSP (ex-EiA)
Lulseged Tamene

Technology from

[CGIAR Sustainable Farming Science Program \(ex-EiA\)](#)

Commodities

Wheat, Teff, Maize

Sustainable Development Goals



Categories

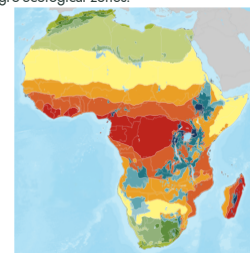
Production, Digital applications, Advisory and information service, Yield improvement

Tested/adopted in



Where it can be used

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



Target groups

Development institutions, Farmers, Governments

This technology is **pre-validated**.

8·7

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

Climate impact

Problem

- Traditional low fertilizer application rates, which are prevalent in many agricultural regions.
- This practice leads to underutilization of resources and limits crop growth, thereby affecting overall agricultural productivity.

Solution

- The tool provide site-specific organic and inorganic fertilizer recommendations for key crops such as maize, teff, and wheat.
- It integrates hyper-localized data and tailored approaches to address soil fertility management plus (ISFM+) framework.
- This comprehensive tool aims to increase agricultural productivity and sustainability by providing precise, actionable advisories directly to farmers.

Key points to design your program

NextGen Advisory can be integrated into digital agriculture, agricultural extension, climate-smart agriculture, and food security programs to improve farmer decision-making, optimize resource use, and increase agricultural productivity. Its adoption contributes to **SDGs 1, 2, 13, and 15**.

To integrate this technology into your project, plan and budget for the following activities and prerequisites:

- Facilitate access to the NextGen Advisory platform, digital devices, and internet connectivity for farmers and extension agents.
- Establish partnerships with Excellence in Agronomy (EiA), national agricultural research and extension services, digital technology providers, and universities.
- Conduct demonstrations and training on digital advisory services, climate-smart agriculture, and integrated soil fertility management.
- Promote the participation of women, youth, and smallholder farmers, and monitor technology adoption, input use efficiency, crop productivity, and user satisfaction.



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NextGen Advisory

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