ULIZA-WI: Agro-weather chatbot

Weather Impact's latest dissemination tool for the next generation of climate-smart agriculture solutions

ULIZA-WI is a Telegram-based digital climate advisory chatbot developed by Weather Impact that delivers real-time, localized weather information and practical farm advice. Farmers can "ask" (Uliza in Swahili) anytime and receive tailored guidance on key decisions such as planting, irrigation, fertilization, and harvesting.

Weather Impact
Lorenzo Occelli

This technology is pre-validated.

8·8 Scaling readiness: idea maturity 8/9; level of use8/9

IP

No formal IP rights

Problem

- **Climate-driven supply instability:** Unstable supply due to climate variability and poor planning
- **Unreliable production volumes:** Inconsistent yields from lack of timely weather data
- **Poor farm operation timing:** Suboptimal planting and harvesting decisions
- **High supply chain risk:** Losses from climate shocks
- **Limited field visibility:** Weak real-time farmer information

Solution

- **Climate-smart decisions:** Better farm planning using real-time weather data
- **Supply stability:** More reliable agricultural output
- **Efficiency:** Improved timing of farm operations
- **Risk reduction:** Fewer climate-related losses
- **Scalable engagement:** Continuous farmer interaction
- **Data insights:** Field-level decision support

Key points to design your business plan

ULIZA-WI improves supply chain reliability and farmer productivity through real-time, localized climate advisories delivered via Telegram. It enables better farming decisions, reduces climate-related risks, and generates valuable field data for agribusinesses.

The model relies on partnerships, scalable digital delivery, and potential revenue from subscriptions, B2B services, and data insights. Key enablers include weather data systems, chatbot infrastructure, and collaboration with telecoms, meteorological agencies, and NGOs.

Inclusion assessment 12 6 8

Climate impact 6 1

Commodities

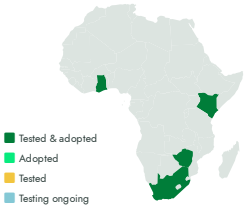
Sustainable Development Goals

1 NO POVERTY · 2 ZERO HUNGER · 5 GENDER EQUALITY · 10 REDUCED INEQUALITIES

Categories

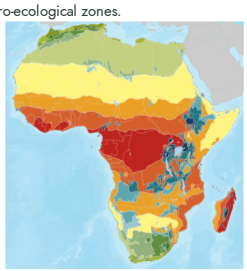
Production, Digital applications, Advisory and information service, Yield improvement

Tested/adopted in



Where it can be used

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



Target groups

Farmers, Governments, Advisory and Extension Services, Cooperatives and Agribusinesses