

Africa AgTech & Inclusive Insurance Challenge

Organized for:

Global Index Insurance Facility
MEMBER OF
WORLD BANK GROUP



Supported by:

InsuResilience GlobalPartnership

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In Numbers:


- 208** Applications
- 23** Countries represented
- 5** Finalists Short-Listed
- 3** Winners Selected

In March 2022, in a joint effort, the Sankalp Forum and the IFC's Global Index Insurance Facility (GIIF), ran the Africa AgTech & Inclusive Insurance Challenge aimed to celebrate and support young entrepreneurs who are working at the intersection of agriculture, insurance, climate, and gender to build resilience for smallholder farmers. Together, they identified 5 of the most promising AgTech enterprises who are looking to scale their innovative solutions that are driving agriculture resilience across sub-Saharan Africa.

THEMES COLOR LEGEND

- DA** Data & Analytics
- AP** Agricultural Productivity
- FIA** Financial Inclusion for Agriculture

Selected Enterprises



Omishtu-Joy Agritech
 1st Place Winner
 Country: Ethiopia
 Website: www.omishtu-joy.com

DA **AP**



The Problem:

African farmers lack the technology to investigate farm soil health prior to planting which leads to plant-soil incompatibility. This often leads to losses and food insecurity. Farmers also lack access to ready markets and linkages to off takers for their produce.

The Solution:

Omishtu-Joy links farmers to markets using a mobile application loaded onto devices that farmers can buy from the company and trains the farmers on how to use the market linkage application to sell their produce. Omishtu-Joy also provides need-based fertilizer mix service to farmers based on soil fertility.



Rural Farmers Hub
 2nd Place Winner
 Country: Nigeria
 Website: www.ruralfarmershub.com

DA **AP**




The Problem:

Yield productivity and farm productivity in Africa has been on a decline for the past 3 decades, and is currently less than half of the global average. This is caused by lack of access to adequate climate-smart information that would lead to improved yields, and increased incomes. Along with this, lack of electronic and historical farmer records inhibits their access to farming machines, fertilizers, and agri-insurance.

The Solution:

Rural Farmer Hub offers farmers crop and soil health advisory services including information on crop and farm health, as well as registration and extension services that enable farmers to access need-based agricultural services such as farm machine rentals, fertilizers, and advice on proper crop husbandry based on soil fertility.



Agrotech+
 3rd Place Winner
 Country: Kenya
 Website: www.agrotekplus.com

DA **FIA**




The Problem:

Access to quality farm inputs, and access to climate-smart value chain specific agronomic information and innovations as well as credit and agricultural insurance is one of the main challenges by rural smallholder farmer groups comprising mainly of youth and women.

The Solution:

Agrotech+ collects information from enrolled farmers through a phone survey and captures the GPS boundaries of farms and other information through satellite imagery then applies agronomic machine learning to generate information services and credit-worthiness scoring. The company uses data to offer crop insurance packages to farmers and allows them to repay the loans through mobile money over the course of the season with full repayments after harvest.



eAgro
 Finalist
 Country: Zimbabwe
 Website: www.eagro.co.zw

DA **AP**




The Problem:

The absence of early warning technology to properly and accurately diagnose and treat for pests and diseases has consistently led to loss of up to 40% of crop harvests in Zimbabwe and the greater SADC area.

The Solution:

eAgro, a WhatsApp and text-based AI-assisted chat-bot that boasts a 78% detection accuracy with over 250,000 database matching images, assists farmers to identify plant damage from pests, diseases and nutrient deficiency with the help of machine learning. With one photo of the crop, Cropfix diagnoses crops and offers treatment.



Emata
 Finalist
 Country: Uganda
 Website: www.emata.ug

DA **FIA**



The Problem:

African farmers lack access to financing because they lack the necessary requirements such as collateral, or salary slips which are required by financial institutions. Lenders willing to give finance to farmers charge high interest rates that render their products unaffordable and at times predatory.

The Solution:

Emata provides a technology platform that helps digitize their partners' operations and in return gains access to data on farmers who need financing and to whom it lends capital that is 5 times cheaper than alternative lenders.

About the Global Index Insurance Facility (GIIF):

The World Bank Group, through the Global Index Insurance Facility (GIIF), helps smallholder farmers and micro-entrepreneurs gain better access to finance, manage financial losses, and protect their livelihoods against increasingly frequent and severe weather events. With the objective of developing effective and sustainable markets for agriculture insurance, since 2009, the Global Index Insurance Facility (GIIF) has facilitated close to 12 million contracts, covering approximately 60 million beneficiaries, primarily in Sub-Saharan Africa, Asia, and Latin America and the Caribbean. For more information, visit: www.indexinsuranceforum.org

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