



How the Clearinghouse works

An example of our Country Engagement: The ENSURE Project of the AfDB



(1) Call from the Bank

- Project: ENSURE
(Enabling Environments for Sustainable Regional Agriculture Extension)
 - Countries: Burundi, Democratic Republic of Congo, Kenya, Rwanda, South Sudan, Tanzania, and Uganda
 - Executing Agency: East African Community (EAC)
 - Project scheduled from 31 January 2024 to 31 December 2027
- Budget:
 - About USD 13.14 million
- Objectives:
 - Increasing access to robust extension services and provide responsive and reflexive extension services and training
- Commodities and cross-cutting areas of interest:
 - Maize, Wheat, Rice, Sorghum & Millet, Beans, Biofortification, Cassava, Bananas, Poultry, Small Ruminants, Soil Fertility & Water Management, Fall Armyworm Control. Also Digital Advisory and Innovation Platforms

AfDB: "Hello TAAT, we're planning this project on extension in East Africa
Can you help us select the best agric. techs to make the project a success, please?"

Before joining the team designing the project, the Clearinghouse does its home work: what do we know about the needs in these countries?

(2) Country Intelligence

Information to be considered in the country intelligence dossier:

- What are the main objectives of the project in this country?
- What are the priority agricultural value chains in the country?
- Where specifically can TAAT technologies and interventions provide added value?
 - What major agricultural challenges exist in the country (e.g., low productivity)?
 - Are there supporting data and statistics highlighting these issues?
 - What specific opportunities exist for scaling TAAT technologies?
 - What initiatives or interventions has TAAT already implemented in this country?
 - What results or impacts have been documented so far?

From the Bank's broad lines and the country intelligence gathered and analyzed a proposal is prepared, to share with the project design team.



Selection of technologies from the TAAT e-catalogs

(3) Clearinghouse's Proposition

- TAAT Compacts and additional Technology Providers train extension services and lead farmers:
 - Input policies and Knowledge Management (AATF)
 - Innovation Platforms (FARA)
 - Large selection of TAAT technologies on commodities and cross-cutting areas of interest
 - Technical Assistance provision
- EiA support to extension approaches
 - Digital advisory tools
 - Monitoring, Evaluation and Learning approaches

This team, convened by AfDB, brings together AfDB, governments staff and local and international institutions

Partnerships with technology providers who will deliver Technical Assistance

Since 2022, the Clearinghouse has influenced 31 projects from AfDB like ENSURE

How the Clearinghouse works

An example of our Country Engagement (page 2)

The proposal made by the Clearinghouse is reviewed by the project design team. They will select all or part of the clearinghouse's proposition, and may request different inputs

These 43 technologies from the TAAT e-catalogs have been written in the project documents and their implementation will be funded by the project

(4)

43 TAAT Technologies integrated

Banana & plantain: 2 technologies

- Banana Peels as Feed and Organic Resource
- Value-added Processing of Bananas and Plantain

Beans: 6 technologies

- Advanced Weed Management: Mechanical and Chemical Weed Management
- Bean Flour and Flour Products: Bean processing process
- Low-Cost Staking for Climbing Beans
- Low-dose pest control: Seed dressing of Seed with Fungicide and Insecticide

Cassava: 9 technologies

- CBC: Cassava Business Connector
- Equipment for feed production: Cassava Peels for Animal Feed Production
- Golden cassava varieties (Vitamin A fortified)
- High quality cassava flour and industrial starches
- Mechanized Cassava Planting and Harvesting
- Mobile Cassava Processing Plant
- SAH cassava: Semi Autotrophic Hydroponics for Cassava Multiplication
- Six Steps to Cassava Weed Management

Livestock: 6 technologies

- Best practices in pasture management: Pasture Improvement
- Eradication through Thermostable "Peste des Petits Ruminants" Vaccine
 - Ethical Meat Processing: Humane Slaughtering & Meat Inspection
 - Hide Curing and Secondary Leatherworks
 - Short-Term Fattening and Supplemental Feeding
 - Small Ruminant Containment in Protective Sheds

Maize: 4 technologies

- Golden maize varieties (High provitamin A)
- IR maize: Imazapyr resistant maize for Striga management
- Maize-legume rotation and intercropping
- Nuru for in-field Pest (Maize, cassava, other roots)

Millet & Sorghum: 3 technologies

- Precision Fertilizer Micro-Dosing for Millet and Sorghum Yield Enhancement
- Proactive Management of Striga Infestation
- Warrantage Inventory and Credit System

Poultry: 5 technologies

- Low-Cost Cage and Free-Range Containment
- Mechanized Defeathering and Egg Sorting
- Poultry Vaccination against Newcastle Diseases
- Semi-Automatic Incubator for artificial hatching
- Special Chicken Breed: Dual-Purpose Chicken for Small-Scale Producers

Rice: 4 technologies

- GEM system: Parboiling equipment for rice
- NERICA: High yield rice varieties for Africa
- Rice Threshing and Polishing Machines: Axial flow thresher and improved quality polishing
- RiceAdvice digital support

Wheat: 3 technologies

- Conservation agriculture: Minimal Tillage and Surface Mulching of Wheat
- Hermetic Bags for Safe Storage of Wheat
- IPM: Integrated Management of Insects, Diseases and Weeds in Wheat

During the lifetime of the project, these technologies are implemented in the target countries. For the ENSURE project, this means inclusion in the development of the extension services

In collaboration with the RMC, TAAT will engage and link the private sector to this project where necessary.

(5)

Impact

Reach:

- Countries: Burundi, Democratic Republic of Congo, Kenya, Rwanda, South Sudan, Tanzania, and Uganda
- Direct reach: 3 million farmers (50% of whom are women)
- Indirect beneficiaries: 5 million people

Each project has got its own Monitoring and Evaluation unit, linked to the Bank's M&E. They will capture key performance indicators on the project, that will detail the impact of the TAAT technologies that were integrated

Elements of this impact can and will be linked directly to the technologies. This will be reflected in the e-catalogs

Not only will the TAAT technologies have an impact through a large-scale project, but there are many such projects all over Africa: The African Development Bank invests around 2 billion USD in agricultural development projects every year!

