

Strategy for accessing Agricultural Indigenous Knowledge and Database Development: AgShare II Project

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Outline

- Introduction
- AgShare Method framework
- AIK Project Direction
- Strategy adopted
- Output



Introduction

We recognise that Agriculture is a backbone of society.

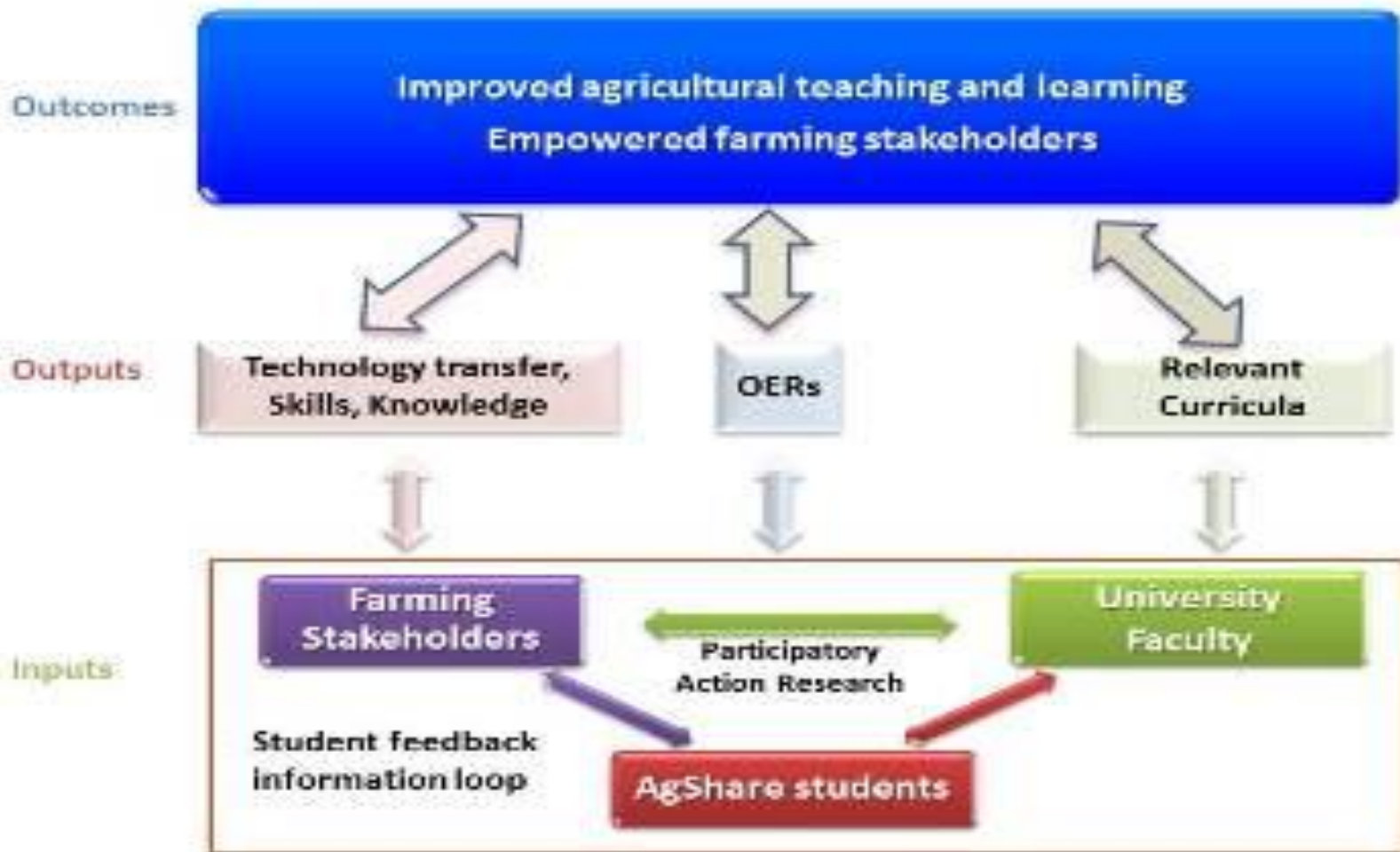
Farmers need to access good/useful knowledge.

Farmers need to make contribution to the curriculum development

Hence there is need to:

- i. Identify AIK for access and utilization among developing communities
- ii. Document and apply Indigenous Knowledge in the development process
- iii. Create a platform to disseminate the AIK to the wider community to facilitate information exchange
- iv. Involve the farmers in curriculum development

AgShare Method



AIK Project Direction

In project advocates

- the creation and population of an online database,
- an information system, where we can store and share agricultural indigenous knowledge.
- Having a web-based interface and possibly an application accessed via smartphone to make access easy for different groups of users.

Activity Report

- **1st Project Inception Workshop**

- The identification of Farmer needs and the alignment of project products with these needs.
- Identification of existing indigenous knowledge (IK) initiatives running elsewhere within Makerere University or within RUFORUM and opportunities to collaborate or extend them.
- Providing CoCIS and CAES staff and students with insight into the Agshare method.
- Devising a research agenda including methodologies and instruments to support the collection and verification of indigenous agricultural knowledge.
- Providing the student/ researchers with technology skills to collect multimedia evidence.
- Devising a functional specification for the database and its interface to distribute the collected and stored indigenous agricultural knowledge.

Workshop with Farmers representatives, students and supervisors



Group Work



Group Work





2nd Workshop -Data Collection

- Be familiar with what constitutes IK and research methodology including data verification techniques.
- Be exposed to the specific sensibilities necessary in collecting and recording Indigenous Knowledge.
- Be familiar with the technology provided to collect photographic, audio and video evidence.
- Edit and package collected raw digital data into user friendly resources.
- Be able to load the IK records and assets into the CoCIS IK database.

Practical Training in Video Recording for data collection



Video Practice.mp4

Video recording training



IMG_0098.MOV

Agricultural Knowledge project Areas

- Pest & disease management
- Soil management, fertility & fertilizers
- Water conservation & irrigation
- Food security (preservation & storage)
- Indicators of weather change
- Food processing

Value chain focus

- Poultry: Chicken, turkey & ducks
- Livestock: Cattle & Dairy, goats, pigs & sheep
- Crops: Maize, Beans, Cassava and Banana

Media/Data/Information Type and Languages

- Text
- Audio
- Video

Languages

- Luganda,
- English,
- Swahili,
- Luo,
- Runyakitara,
- Lugbara
- Ateso.

Actual Data collection



Demonstration



Masaka3.mp4

Project Output as of today

- Students acquired skills in qualitative data collection techniques
- Students acquired skills in video recording and editing
- AIK data has been collected and is going through a quality control measure before put on public domain
- Output expected to inform curriculum review and generate further research

Output cont'

- Database has been created with the following functionalities

<http://agshare-ik.mak.ac.ug/>