

CODATA ATG HACKATHON MOBILE APP

GROUP NAME: SASIEL

Group Members

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- 2. Simon Mulwa**
- 3. Elvis Amani**

Objective of the App

Automate the way agricultural research information is handled, learning and training is conducted.

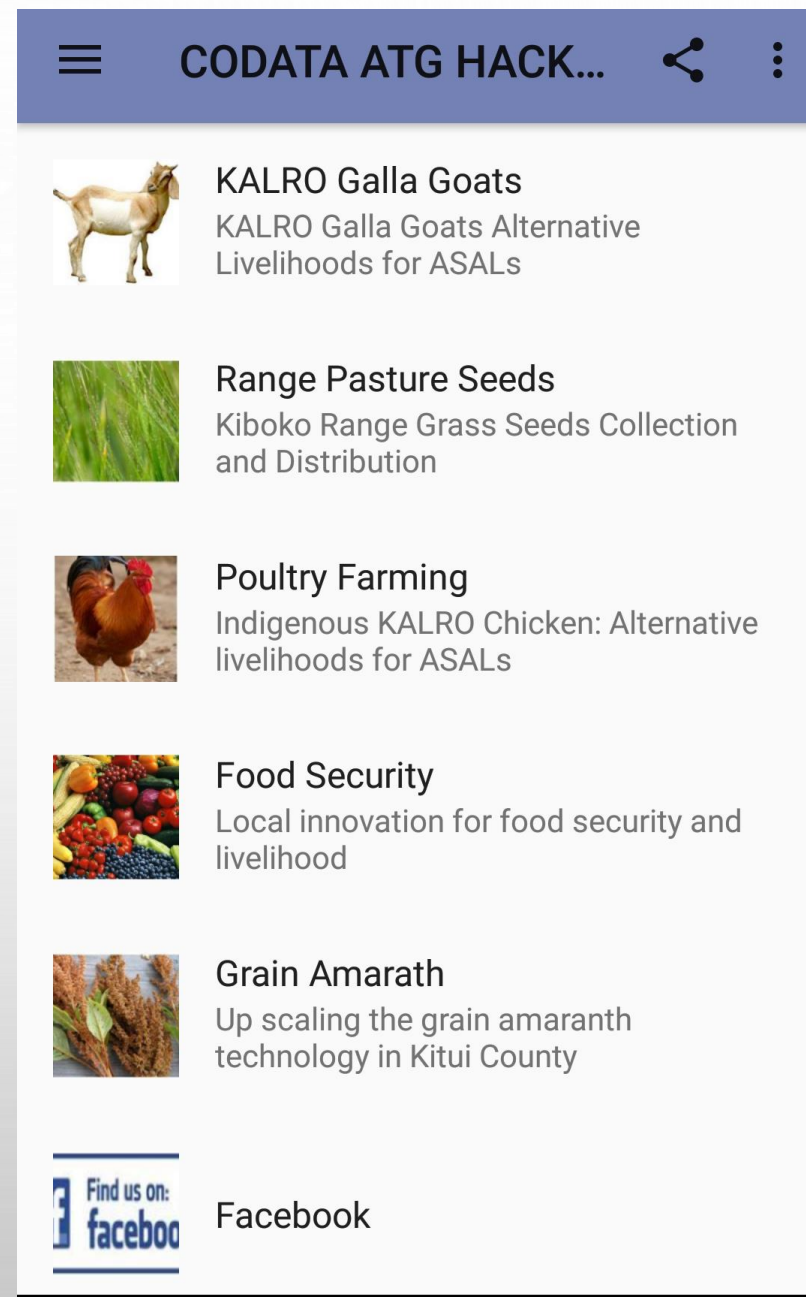
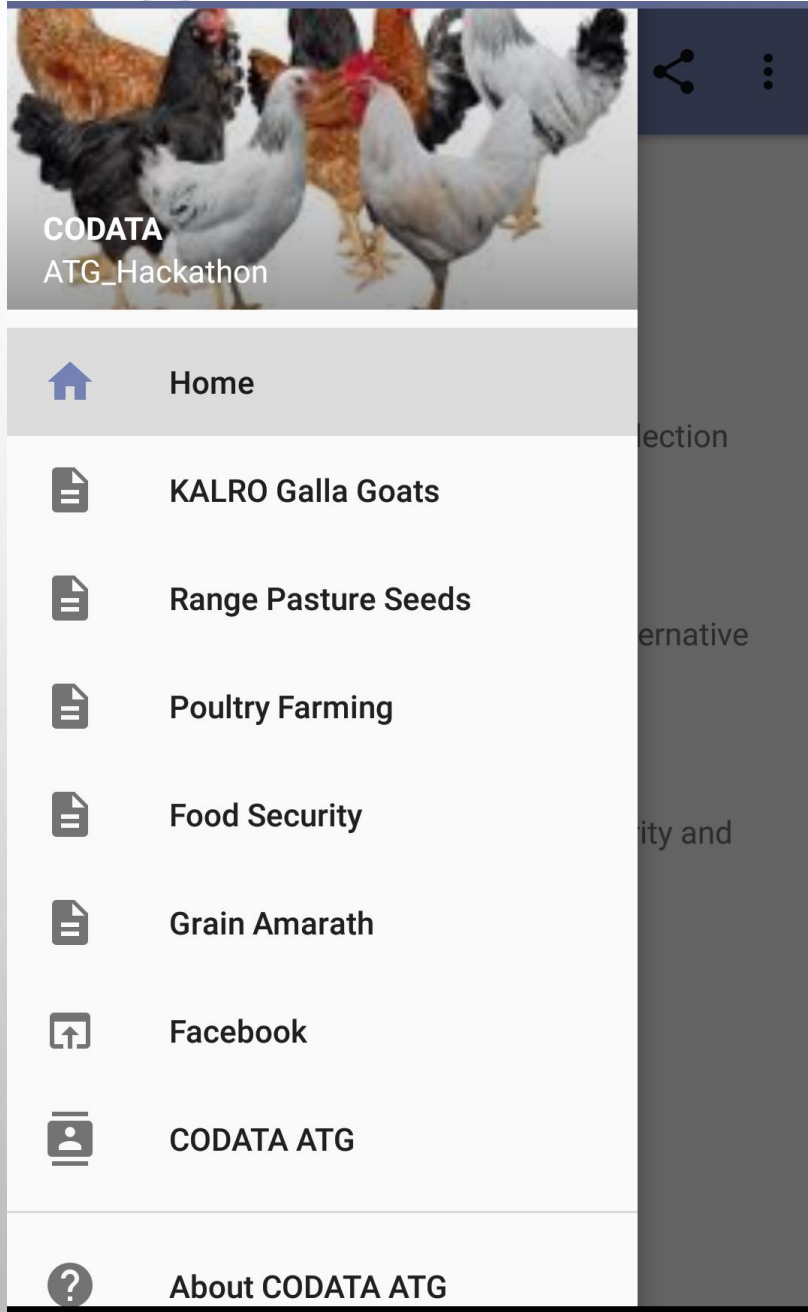
Benefits

- **Electronic central repository with accessible information and knowledge.**
- **Easily accessible.**
- **Potentially wide coverage**
- **More cost effective than traditional system of sharing information i.e websites, libraries**
- **Less time consuming**
- **More interactive.**

Application Design

- **Out of eleven (11) datasets, the team agreed to group the datasets in five (5) categories.**

Category	Datasets
Range Pasture Seeds	<ul style="list-style-type: none">• Irrigated forage production• Effect of Supplementing Rhodes Grass Hay with Cotton Seedcake on Growth Performance• KALRO-ARLRI, Kiboko Range Grass Seeds Collection• Economic analysis of natural pasture rehabilitation through pasture reseeding Distribution• Benefit-Cost analysis of reseeding using ox-furrows and range pitting
Goat	<ul style="list-style-type: none">• KALRO Galla Goats Alternative Livelihoods for ASALs• Effects of selected routine husbandry practices on growth rate
Poultry Farming	<ul style="list-style-type: none">• Small holder poultry agribusiness development programme• KALRO Chicken: Alternative livelihoods for ASALs
Food Security	<ul style="list-style-type: none">• Local innovation for food security and livelihood
Grain Amaranth	<ul style="list-style-type: none">• Up scaling the grain amaranth technology in Kitui County



CODATA ATG HACK...



KALRO Galla Goats
KALRO Galla Goats Alternative Livelihoods for ASALs



Range Pasture Seeds
Kiboko Range Grass Seeds Collection and Distribution



Poultry Farming
Indigenous KALRO Chicken: Alternative livelihoods for ASALs



Food Security
Local innovation for food security and livelihood



Grain Amarath
Up scaling the grain amaranth technology in Kitui County



Facebook

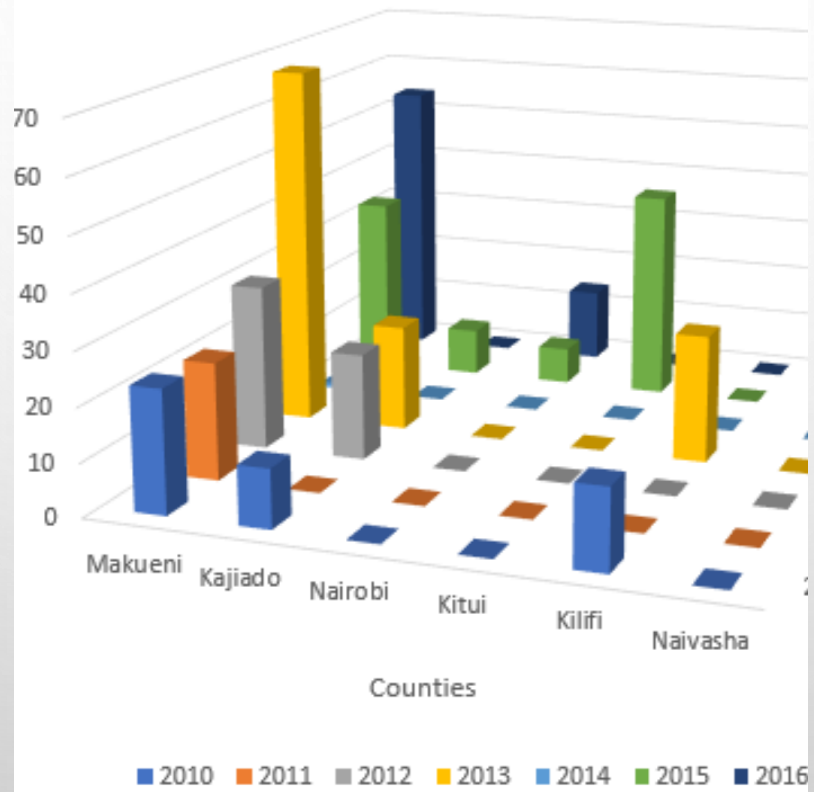
Contents of the App

- **Abstract of the datasets**
- **Data Visualization**
- **Web redirection to the Hub**
- **Contacts**
- **Social media links**

of high quality breeding bucks to the ASAL community.

Data Visualization

KALRO Galla Goats Alternative Livelihoods for



of selected routine husbandry practices on growth rate East African goat weaners

TARGET GROUP

- **Farmers**
- **Students/Researchers**
- **Policy Makers**

Challenges foreseen in adopting the tool

- **Updating the up with new information - Openness and plagiarism**
- **Most farmers are not using smartphones.**
- **Lack of access to internet**

Challenges on App Development

- **Insufficient time to implement**
- **Inadequate information**