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Fondation Eagle

Project Interim Report

June 2024

Strengthening Haller's Infrastructure, Education & Training Capabilities

Donor Reference: FF 699

Date of Acceptance: 6th December 2023

Donation Amount: £29,125

Project Duration: January 2024 - December 2024

Number of Beneficiaries: minimum 5,870 direct beneficiaries comprising: 120+ Haller farmers trained in innovative techniques at Demo Farm, 3,500+ farmers by upgrading app & training manuals, 500+ school open day attendees, 2,025+ Nguuni youth health education.

Location: Nguuni, Kisauni District, Mombasa, Kenya. S 03° 59' 35.7" E39° 41' 45.4"

Project Background

Across much of Africa, shifting climate patterns and a history of unsustainable farming practices have depleted the soil. With temperatures expected to rise faster than the global average, there's an urgent need for innovative agricultural training to counter these ongoing threats. It's crucial to engage and support Kenyan youth in viewing agriculture, the country's primary economic activity, as a viable career path to ensure future food and water security in the region.

Enhanced access to knowledge, information, and education is vital for Kenya to leverage the potential of its young population. By recognising the Haller community development model as a knowledge source with significant potential, our mission is to share innovations in sustainable livelihood solutions with communities and farmers, not only in Kenya but globally. By using technology to help build resilience against climate challenges, we aim to upgrade our app, enhance its content, and improve Haller's farmer training manuals. Providing open access to our digital tools and expertise in community-led initiatives will help farmers, both young and old, to thrive in harmony with nature.

Project Elements

This project was comprised of 4 constituent parts, all aimed collectively at strengthening and improving our charity's education and training capabilities by :-

1. **Improving security & enhancing food production systems & smallholder farmer training at the Demonstration Farm (DF)**, widening the scope of agricultural training through innovation to combat changing weather patterns
2. **Introducing dedicated School Open Days at the DF**, to further support agricultural learning, emphasising the app as a learning tool, to complement the national curriculum & encourage organic farming livelihoods
3. **Enhancing & expanding Haller's Youth Health Education Facilities at Nguuni** to better serve the heavy footfall of students, with the aim of offering health education & counselling sessions to students for the first time
4. **Upgrading both the Haller Farmers app & our physical farmer training manuals** to make them accessible, current & relevant to trainers, learners & partners to help scale impact & foster meaningful change on a wider scale

Project Update

The Demonstration Farm

-The security system is ordered and awaiting an installation date, pending delivery of the solar motion sensor lights into the country. In the meantime, to address the thefts and security issues experienced recently, a 6 person security team have been employed comprised of tribal members from the Orma people of the Tana river region, to ensure no local tribal loyalty. They are currently providing 24-hour security at all of Haller's hubs in the vicinity. There have been no further incidents in the last 6 months.

-By mid-March, replacement well pumps and security cages had been purchased, robust prototypes of both the chicken and guinea fowl coops and back-yard solar powered fish farming system had been constructed, and all moved into the DF for training purposes. A programme of comprehensive training was devised by Haller Kenya staff, and farming champions from selected communities have been trained in both back-yard poultry rearing & fish farming. To end May, **8 sessions had taken place with 57 members trained, 56 women & 11 men, from 5 CBO's in the area.** This training programme will continue throughout the year, with farming champions returning to their CBO's and encouraging peer-to-peer training.



School Open Days

There was a great turnout for the first School Open Farmers Day held on the 17th May at Haller Kenya's Demonstration Farm. The event targeted both primary & secondary schools with the theme "Empowering Youth with Practical Skills in Organic Agriculture & Technology". **Ten local schools were in attendance with 347 pupils** absorbing facts on such topics as aquaponics, composting, the 500m² plot, and the Haller Farmers app. Haller Kenya staff reported great feedback from both students & staff. In fact, following the event, one local school - Memon Academy, arranged a private 3-day tour of the DF for 90 of its students, to further educate them in the techniques demonstrated. Given the great success of the event, a further open day is being scheduled for later in the year, with the aim of continuing to engage and educate the next generation of Kenyan farmers.



Youth Health Education

Youth Health Education: Jan 2024 - May 2024	
No of Sessions	26
No of Schools	8
No of School Students	402
No of Library Members	177
Total Participated Students	578

This new programme, devised by both the Haller Librarian & Nurse, has also proven to be a great success to date. **Over 570 children** have attended these sessions in the first 5 months of 2024. The renovation and redesign of the Nguuni Auditorium, (now renamed the Nguuni Nature Pavilion), with its new equipment, has become the location for the new series of health education talks provided to the local children of the area. Staff believe the project is proving very worthwhile for children being educated for the first time in concepts related to both physical & mental health, personal hygiene and self-care combined with spending in nature & enjoying educational & team-building activities. Breathing exercises, anger management, self-affirmation, confidence & nutrition are all featured in the programme.



Haller Farmers App

A strategic review of the app highlighted the further technological development that was needed to enable partner organisations to build “sister” farming apps, using our Haller Farmers app as a template or prototype (white labelling). This would enable sustainable development content in multiple languages to be disseminated to our partner’s beneficiaries, across the globe.

The wireframe transformation and translation element of the work has been tested and completed and content translated into French. This will go live in July. With this deliverable in place, we are now in the process of white labelling the app with the Shivia charity currently, who operate in India, with the aim of scaling content and reach, across the Indian sub-continent and discussing further partnerships with NGO’s

Farmer Training Manuals

ATo date, the Haller UK & Kenya teams have been working closely together to refresh and enhance the Farmer Training Manuals, originating from the Haller Demonstration Farm. Our team has established a comprehensive framework for the revitalised manuals, embodying Haller’s holistic model for economic development - the Haller Journey. So far, we have reviewed and consolidated large amounts of information from manuals on Organic & Integrated Farming, Beekeeping, Tilapia Fish Production, Field Crops and Vegetables, and Poultry Keeping. The content has been restructured into a cohesive new format, with the Haller Kenya team diligently updating and enriching the information in the process.

Innovative practices tested at the Haller Demonstration Farm are being incorporated, to ensure the manuals are both current, pioneering and relevant. Simultaneously, Haller UK is focusing on the design and production phase, gathering visuals, graphics, and imagery to complement the written content and create a visually engaging experience. In the coming months, our goal is to finalise the content development in English, followed by design and production. The manuals will be translated into Swahili to ensure they are accessible to local communities in Kenya, with the **manuals ultimately available in both print and digital formats**. The aim is to distribute these enhanced farmer training manuals to Haller’s current partner organisations who have benefitted from our agricultural training at the DF, as well as to future partners, with this library of knowledge further extending our reach and impact.

Project Expenditure to Date

GBP EXPENDITURE	BUDGET	ACTUAL TO DATE	VAR
Demonstration Farm Innovations			
New security system at Demonstration Farm - camera, remote monitoring, solar sensor lights, sensor beams & signage	3,000	150	2,850
New smaller main pump for farm & wire cages for both	1,200	1,150	50
R&D material for <u>back yard</u> coop & fish farming prototypes	300	315	-15
Roll out of prototypes into DF for training – materials, seeds	500	265	235
Dedicated training of new techniques	900	450	450
Total	5,900	2,330	3,570
Schools Open Days & Training			
1 x Farmer Training Resource for one year	275	138	137
2 x Support Trainers for one year	100	50	50
Open Weekends 2024 x 2	600	300	300
Total	975	488	487
Youth Health Education Equipment			
Laptop for youth health education/ counselling sessions	450	490	-40
Wi-fi & data plan	250	125	125
Nurse time Contribution (3-4 hours weekly)	750	375	375
Total	1,450	990	460
Upgrading Farmer Training Manuals			
Review & re-format of existing Haller materials for partners & training of trainers (UK & Kenya joint)	2,500	2,500	0
R&D of new content (Kenya/Dr.Haller)	1,800	1,800	0
Design & Production (UK)	4,500	1,000	3,500
Total	8,800	5,300	3,500
App Development - extra languages, new content & improving accessibility			
Wireframe transformation	8,000	8,000	0
Translation	2,000	2,000	0
Total	10,000	10,000	0
Project Management and Evaluation	2,000	1,000	1,000
Total Budget	£29,125	£20,108	£9,017

Conclusion

Thank you so much for your support of this multi-faceted project, which is proving vital to our work strengthening Haller's infrastructure, education & training capabilities, not just for our Kenyan communities - but ultimately, for the farmers across Kenya, and elsewhere who need to acquire the knowledge to be able to grow enough food for their families in an environmentally healthy and sustainable way

We look forward to updating you in the next 6 months when we report on the final elements of the project and its overall impact.

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