



TOUTON

Touton in Figures



175 YEARS
of history and expertise



15 CERTIFICATIONS
for sustainability and quality



TOP 3
clove traders



TOP 6
cocoa traders



TOP 10
vanilla traders



TOP 15
coffee traders



A direct chain that is
90% SUSTAINABLE
for supply of cocoa

Annual volume of products processed



350,000
tonnes of cocoa



105,000
tonnes of coffee



13,500
tonnes of spices



87
tonnes of vanilla



more than
130,000 PRODUCERS
of cocoa, coffee and/or ingredients have benefited from at least one sustainability intervention (Côte d'Ivoire, Ghana, Kenya, Madagascar, Nigeria, Uganda)



KPI
96%
PROPORTION OF COCOA PLANTATIONS MAPPED BY SUPPLIER RISK*

*DURING 2022-2023 IN GHANA AND CÔTE D'IVOIRE



KPI
89,675
PRODUCERS TRAINED IN GOOD AGRICULTURAL, SOCIAL AND ENVIRONMENTAL PRACTICES*

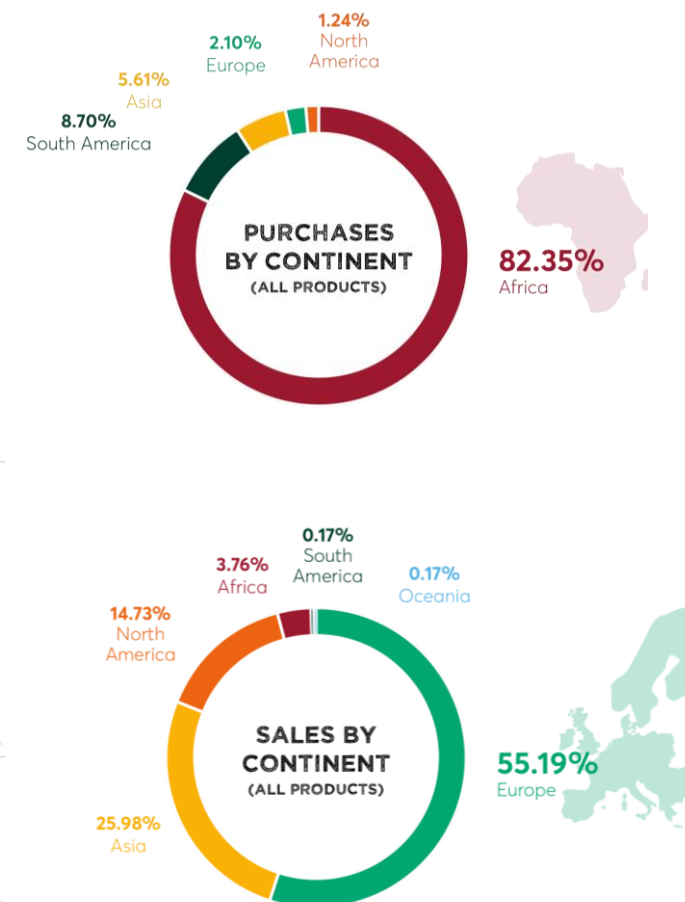
* (COCOA, COFFEE) IN GHANA, CÔTE D'IVOIRE AND UGANDA



INDICATOR
106,634
NUMBER OF PRODUCERS ASSESSED AS PART OF THE CHILD LABOUR RISK ASSESSMENT*

*IN GHANA AND CÔTE D'IVOIRE

An international group with strong local presence





« Coffee together »: 2 companies for a complete control of the supply chain

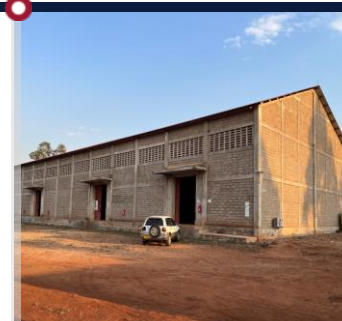
Kahawa Pamoja:

- Purchase of Arabica green coffee from the Tanzanian Coffee Board auctions
- Coffee Storage, Processing and Export
- 19 Staff led by Amina Kondera, Country Manager
- Cupping lab @ 800+ cups & green analysis per week for Auction Samples
- Warehousing: DAR 1620SQM, Mbinga 1020SQM, Tarime 720SQM

Twende Shamba

- Supply diversification: coffee parchment purchases
- Delivering extension services to farmers and farmer groups

19
EXPERIENCED
STAFF



4
MAIN
OPERATIONS
AREA



1300 MT
OF ARABICA
BOUGHT & SOLD
TO JP, EU, UK,
USA ON YEAR 1



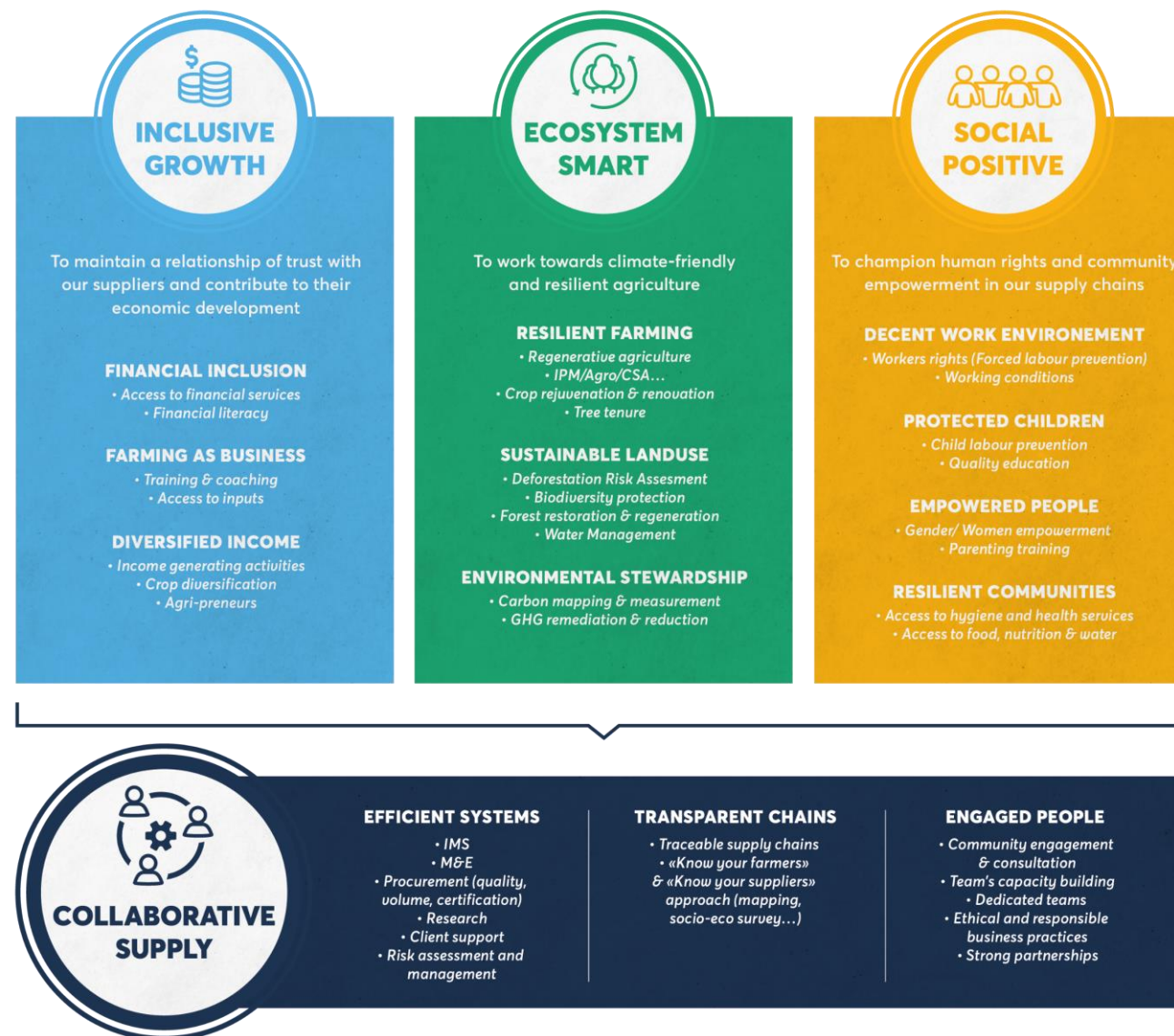
80 000
SEEDLING
CAPACITY
TREE NURSERY



4MT /hour
PROCESSING
LINE IN DAR ES
SALAAM

Touton - Responsible Sourcing

- Based on our expertise, we have defined our own framework and vision for the sustainable sourcing of cocoa, coffee and ingredients.
- The framework is based on 4 pillars to ensure global solutions are offered for targeted interventions and impact.





TOUTON

Boosting yields for climate friendly Robusta coffee in Tanzania - *update*



Federal Ministry
for Economic Cooperation
and Development

KFW DEG Impulse

develoPPP
Where business meets development.



meo
CARBON SOLUTIONS

GRAS
Global Risk Assessment Services





Project Overview

Objective:

To reduce the emissions of GHG generated by the production of Robusta coffee by 7,000 smallholder farmers and processors in Tanzania within the JDE Peet's supply chain

Duration & location :

- August 2021 – **December 2024 (extension)**
- Kagera region, northwest of Tanzania

Project partners:

- Management: 4C Services GmbH
- Financing: Deutsche Investitions-und Entwicklungsgesellschaft mbH (DEG Impulse) from public funds of the German Federal Ministry for Economic Cooperation and Development (BMZ), together with funds of JDE Peet's.
- Implementing partners: Touton S.A., Karagwe District Cooperative Union, 4C Services, Meo Carbon Solutions and GRAS Global Risk Assessment Services.

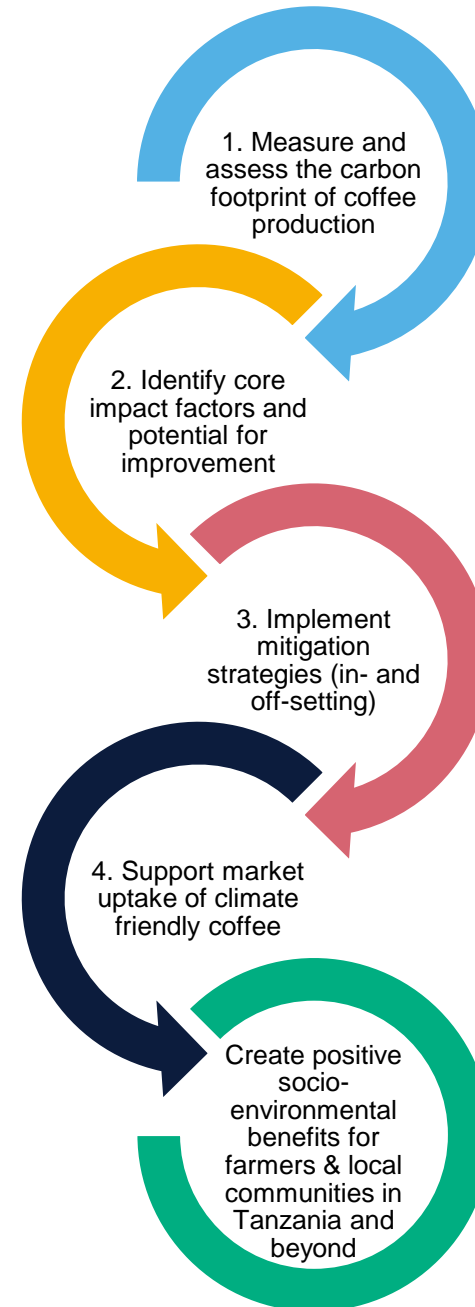


Project Overview

RATIONALE

- Climate change plays a key role for the sustainable transformation of our agricultural systems.
- Coffee production generates GHG emissions. Conversely coffee yields are increasingly vulnerable to the effects of climate change.
- Total GHG emissions from Tanzania in 2014 were 286.49 million metric tons of carbon dioxide equivalent (MtCO₂e), totaling 0.59% of global GHG emissions. Of these emissions, land-use change and forestry sector account for 72.7% followed by agriculture contributing 17.3% (*Climate links, 2014*).
- Research shows Kagera region is a GHG emissions hotspot in the Tanzanian coffee supply chain

ACTIVITIES



IMPACT

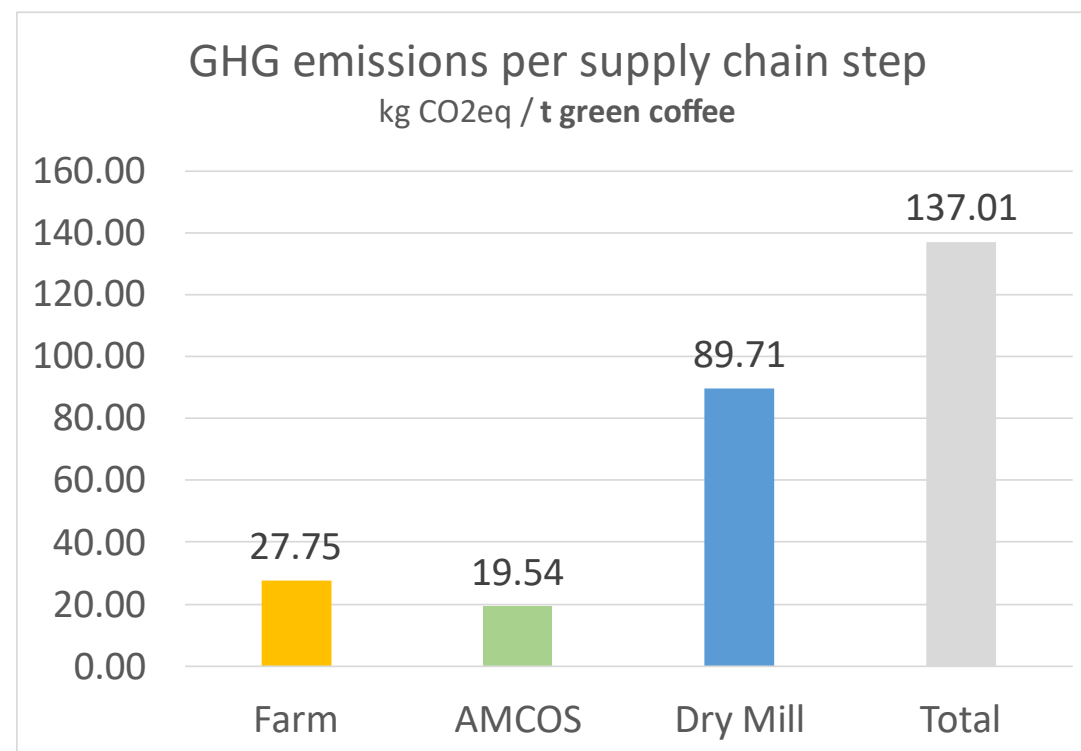
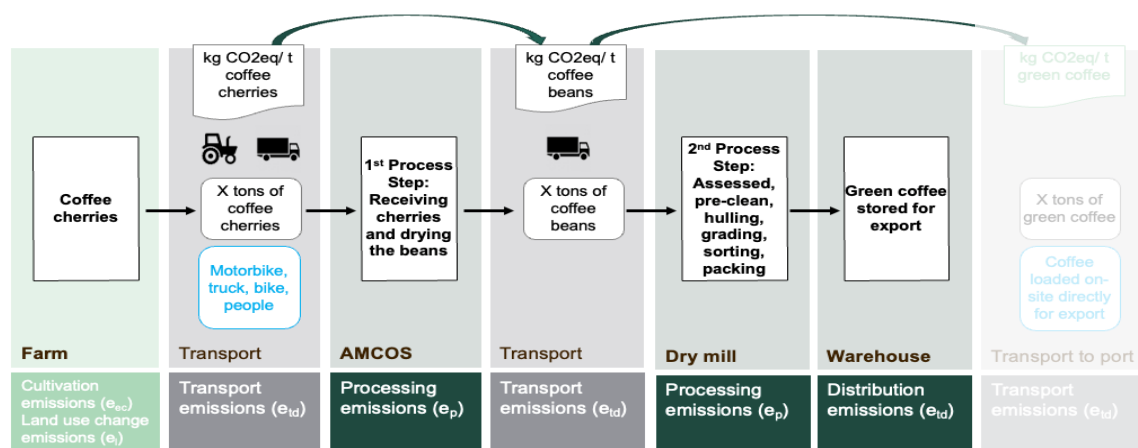
- GHG emissions reduction by 15 to 20%
- 7,000 farmers and supply chain actors to receive technical and financial support to reduce GHG emissions and carbon in-setting measures through training activities and demonstration plots
- 4C Climate Friendly certification of farmers with an objective of 6,000 tons market uptake of Climate Friendly coffee in Europe
- Raise awareness and boost knowledge transfer of outputs in Tanzania and neighboring countries to replicate good practices

Updated results

The GHG emissions of the Tanzania Robusta supply chain are significantly lower than other origins

- Final emission value **137.01 kg CO₂ eq/ton** of green coffee including all processing steps. Or **0.02775 kg CO₂eq/kg GBE**.
- Comparison to other robusta origins :
Vietnam = **2.53 kg CO₂eq/kg GBE** Indonesia **2.55 kg CO₂eq/kg GBE**.
- Therefore, main contributors to GHG emissions are final downstream **transportation and packaging**
- These values include upstream activities from farm level and AMCOS and final processing at dry mill

**System boundary was updated to omit the transport element, which was not part of the project.*



Identified improvement/reduction measures

Low baseline emissions mean that we concentrate efforts on improving yield to achieve reduction goal of 15-20 %

Improve agricultural practices with technical training & support

- Technical training to implement Good Agricultural Practices **with focus on Climate Smart Agriculture**
- Increase soil health, yield increase, soil carbon accumulation & 4C add-on compliance
- How :
 - Setup Demo plots
 - On-farm coaching/support

Carbon sequestration through distribution of shade trees

- Raising and distribution of shade trees for :
 - Direct carbon removals in biomass
 - Benefits from additional shade
 - Additional income from sale of fruit/nut tree crops
- How :
 - Nursery setup
 - Procurement & raising of seedlings
 - Distribution on-demand
 - Follow-up & support for planting

Optimisation & promotion of fertiliser use

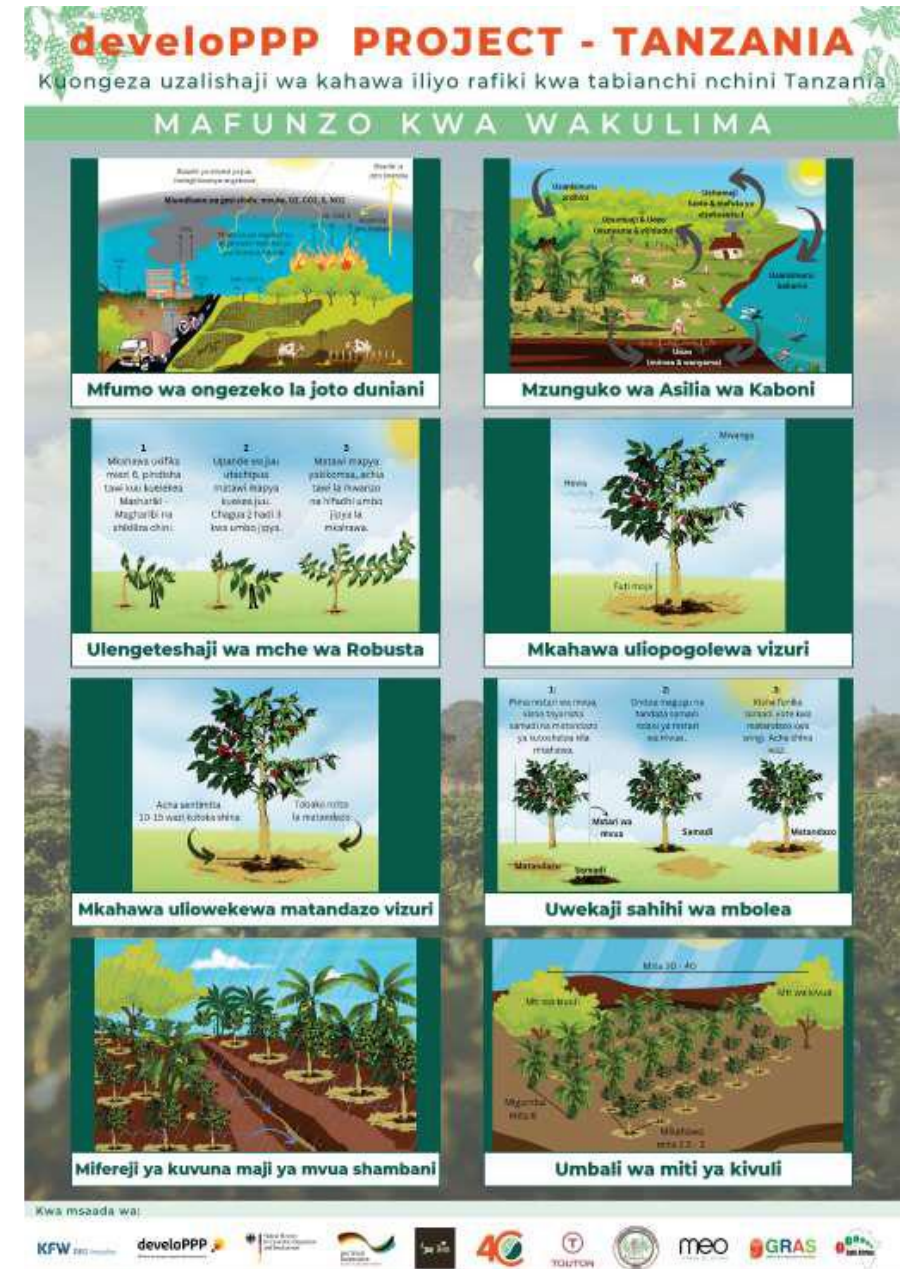
- Distributing manure to select farmers and measuring yield improvement
- demonstrate benefits of additional organic nutrient application on yields and soil health

Other options we explored but were not possible:

- Transport improvements could not be realised due to new auction protocol, geographical conditions and AMCOS budget constraints
- Energy consumption reduction at dry mill through solar panel – investment needed beyond project budget
- Change in packaging from plastic to jute not possible due to cost

Results

- **7085** (100%) smallholder farmers are certified with the 4C Climate Friendly Add-On
- Training materials developed and distributed (manual, training poster and farmer record book) – content specifically tailored to the context of the project and the regional specificities.
 - Focus on Climate Smart Agriculture and Regenerative Agricultural practices.
- **44** demo plots setup for field demonstration & training “classrooms”
- **6957** farmers trained by the end of October 2023
- Nursery is setup with **~400,000** shade tree seedlings including Macadamia, Avocado, Mango, and other native shade tree species, (*maesopsis eminii*).



Training in action



Training of Trainers with Field Officers & Farm Leaders



Demonstration of pruning & stumping



Distribution of Farmer Record Books



Training on record keeping (Farmer Record Books)



Training at Demo Plot on water management (trenches)



Trenches at Demo plot



Mulching at Demo plot



Training on mulching practices (water management)



Farmers gathered at Demo plot



Training on climate change & coffee production

Seedling nursery & manure distribution



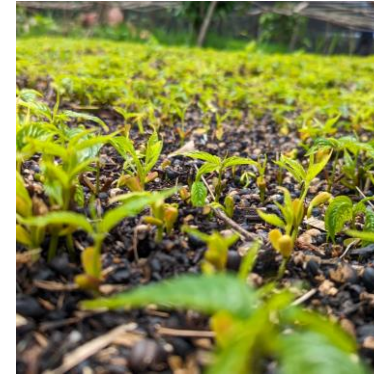
Soaking of macadamia seed



Germination of macadamia seed on germination table



Mango seedlings



Eminii seedlings



Soil for potting activity



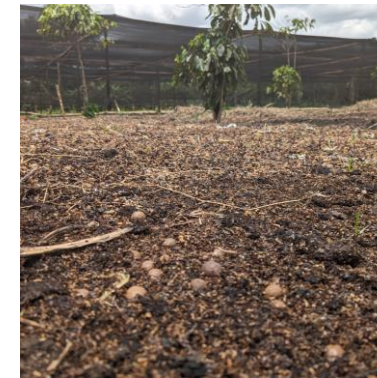
Polytubes installed in the nursery



Filling polytubes



Arranging polytubes in the nursery



Macadamia seedlings installed in nursery



Manure distributed at farmer plot

Next Steps

Due to project extension, we have one more year to boost yields!

Interim GHG emissions data collection & calculation

- Field team has collected data from 126 sample farmers for interim GHG emissions calculation

Training continues with focus on those farmers not yet reached

- Trainings on demo plots and on farmer plots continue every month, covering different topics to support farmers to uptake climate friendly agricultural practices and improve yields

Shade tree seedlings will be distributed

- Once seedlings are ready to be distributed we will make them available to each AMCOS; farmers will be offered on a first come first served basis





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