

EBAFOSA

Ecosystem Based Adaptation for
Food Security Assembly

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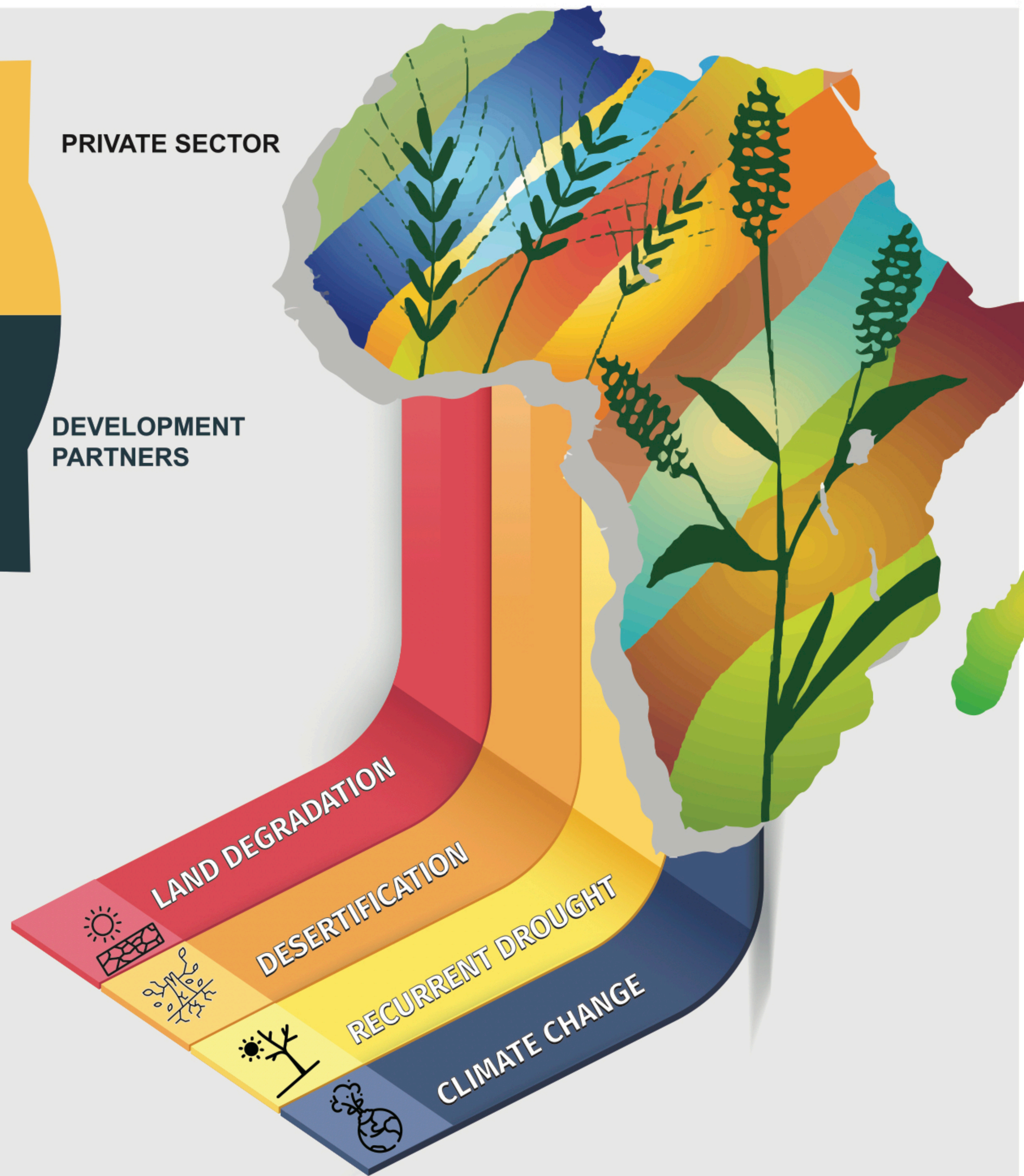
UN 
environment

African Centre for Technology Studies
ACTS
Knowledge for Better Livelihoods

African Union 

WHY EBAFOSA?

Achieving the UN Environment aim of scaling climate actions that enhance socioeconomic wellbeing needs stakeholders from diverse sectors – government, private sector, development partners, individual citizens – working towards the same end-goal. And to achieve this, a common and inclusive framework is needed to convene all these actors for partnerships.



And to achieve this, a common and inclusive framework is needed to convene all these actors for partnerships. So **EBAFOSA** stands at the crossroad of multiple global change challenges - land degradation, desertification and recurrent drought and Climate Change that are the root causes of **FOOD INSECURITY IN AFRICA**. **EBAFOSA** is tailored to provide a nexus solution that also addresses pollution

EBAFOSA



EBAFOSA is an inclusiveness framework that leverages primarily on the skills, talents, networks & ongoing actions of diverse actors in a country – individual citizens, government, private sector - to drive transformational climate action right down to communities through what is called **INNOVATIVE VOLUNTEERISM**. **INNOVATIVE VOLUNTEERISM** is structured guidance and inspiration to Africa's sovereign capital – its people, especially the youth, to engage their skills, talents, ongoing work & interests in enterprise actions that close inefficiency gaps along Africa's agro-value chains using climate action solutions – primarily of clean energy & nature based EbA-Driven agriculture. By doing this, EBAFOSA builds on already ongoing initiatives and aggregates them for bigger impacts rather than launching new initiatives from scratch and reduces the problem of silos in Africa – where different stakeholders end up duplicating efforts rather than working together for synergy which has bigger impacts.



How does EBAFOSA work?

17 PARTNERSHIPS FOR THE GOALS



The EBAFOSA approach is based on section 5 of the Paris Agreement and goal 17 of the Sustainable development Goals which calls for bringing multiple stakeholders to work in complementary partnerships to bridge implementation gaps at policy & operational level in order to unlock leading socioeconomic priorities.

EBAFOSA competitive strengths



LEVERAGING ON INCLUSIVE MARKET DRIVEN PARTNERSHIPS TO INCENTIVIZE CLIMATE ACTIONS

EBAFOSA is providing a common & inclusive framework where multiple complementary stakeholders - form voluntary mutually beneficial partnerships that simultaneously scale-up climate action.



STRATEGIC MESSAGING

premising climate action in implementing the Paris Agreement as an opportunity to actualize leading socioeconomic development priorities shared across countries in Africa



BUILDING ON ALREADY ONGOING INITIATIVES RATHER THAN STARTING NEW INITIATIVES:

The missing link that EBAFOSA is bridging is providing a common convening framework to ensure silo initiatives can be mobilized and implemented within a broader continuum so they contribute coherently to a wider effort of socioeconomic transformation.

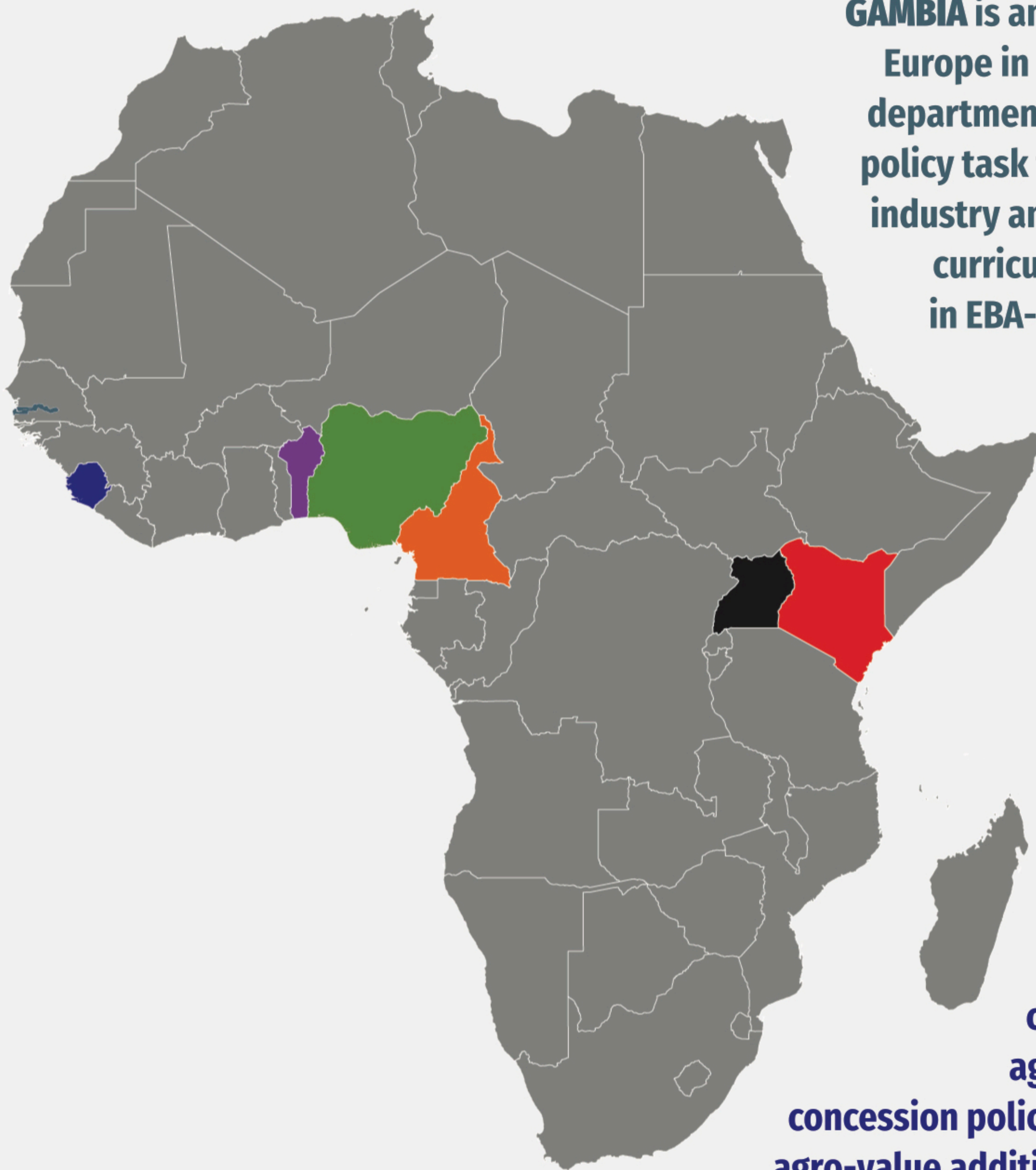


LOW COST IMPLEMENTATION
EBAFOSA uses Innovative Volunteerism which leverages on peoples skills, networks, ongoing actions in market driven collaborations to bridge implementation gaps.

Select Achievements to Date

At policy level, EBAFOSA is supporting countries establish inter-ministerial policy task forces.
Example of policy impacts;

POLICY LEVEL:



- GAMBIA
- NIGERIA
- SIERRA LEONE
- KENYA
- CAMEROON
- BENIN
- UGANDA

GAMBIA is among countries afflicted by illegal emigration of its youth to Europe in search of better livelihoods. To curtail this challenge, the Gambia department of immigration is through the Gambia EBAFOSA Inter-Ministerial policy task force working complementary ministries – energy, agriculture, industry among other participant ministries to develop a counselling curriculum to enhance youth capacity to tap into income opportunities in EBA-based, clean energy powered agro-industrialization continuum.

In **NIGERIA**, the Inter-Ministerial policy task force has prioritized EBAFOSA, by virtue of mobilizing diverse state & non-state actors critical to implementing Nigeria's nationally determined contributions as a low risk implementation platform for operationalizing Nigeria's \$60million Green Bonds to implement nationally determined contributions priorities in clean energy & sustainable agriculture. To cement this position, EBAFOSA been integrated into the Federal Ministry of Environment's budget & strategic plan.

In **SIERRA LEONE**, EBAFOSA Sierra Leone policy task force is building on four ongoing policy initiatives across complementary ministries to establish tax concessions for agro-based industries in rural areas. Establishment of this tax concession policy is aimed at incentivizing investment in clean energy powered agro-value addition enterprises near farming areas.

Still in **SIERRA LEONE**, their policy task force has participated in a national stakeholder meeting towards amending policies to incentivize consumption and marketing of local, EBA produced crops to incentivize their production by communities. A key policy prescription being prepared is the procurement of 20% locally produced foods in all institutional feeding programmes in the country. This targeting of EBA farmers is set to enhance their incomes at community level while incentivizing them to apply more EBA – thus directly scaling up climate actions as well.

In **KENYA**, the cooperative policy is being aligned to incentivise the cooperative structure in the country to finance agro-enterprises to acquire clean energy solutions like solar driers, solar irrigation, that enhances yields and minimises Post-harvest losses. By this, cooperatives are used to drive enterprise actions that implement aims of the climate smart agriculture policy, the feed-in tariff energy policy on decentralising clean energy, as well as NDCs which capture both CSA and clean energy aims.

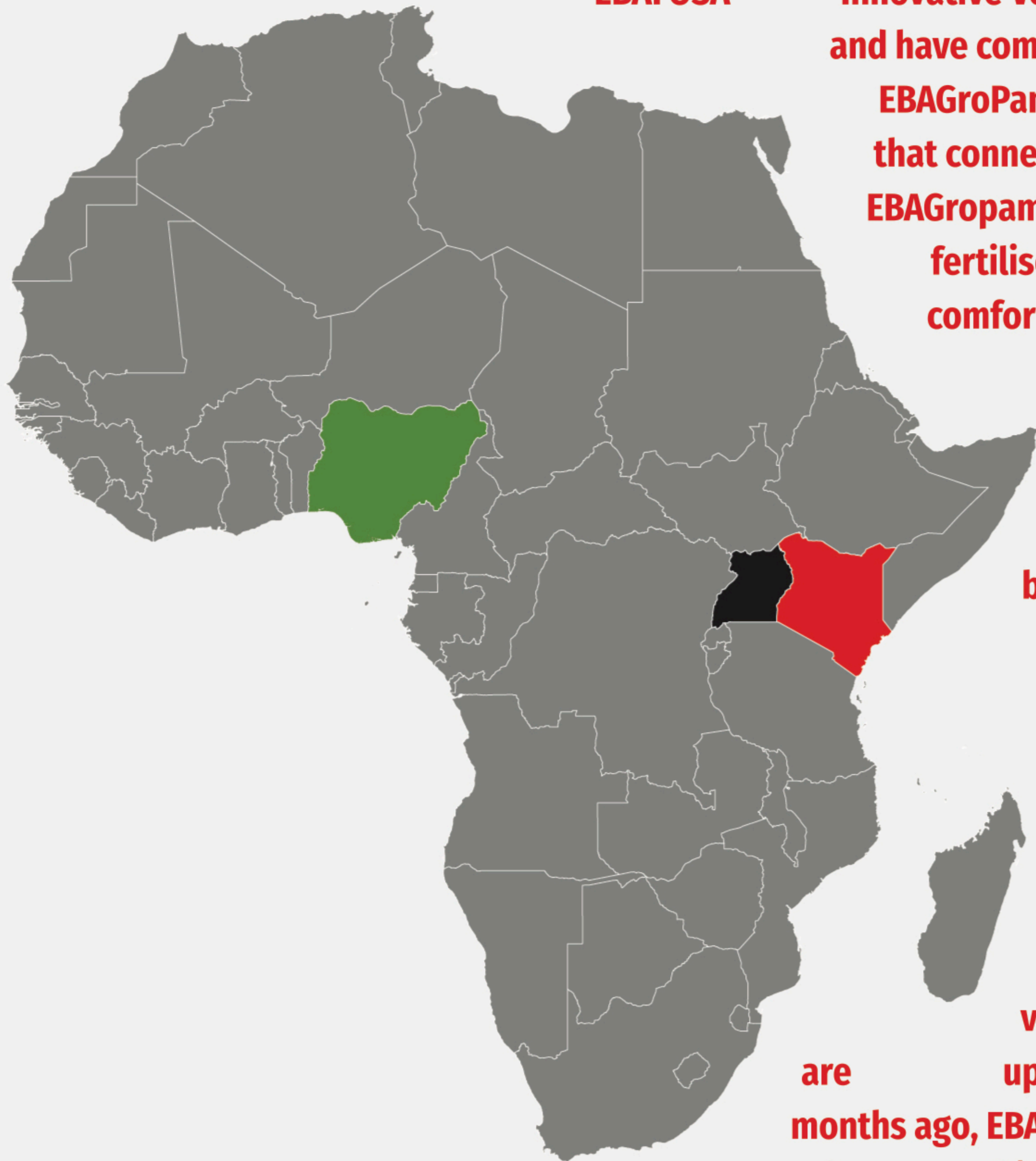
BENIN ministries of agriculture and environment guided to collaboratively implement policies to upscale CSA towards meeting NDC and agro-productivity objectives.

CAMEROON Ministry of Agriculture guided to work with the Environment, energy and Youth ministries to scale EBA & clean energy for enhanced actualization of objectives of the Paris Agreement, food security & creation of income opportunities.

UGANDA Buganda Kingdom ministries of environment has been guided to work with the ministry of agriculture, lands and cooperatives to bridge policy silos across ministries towards upscaling EBA & clean energy

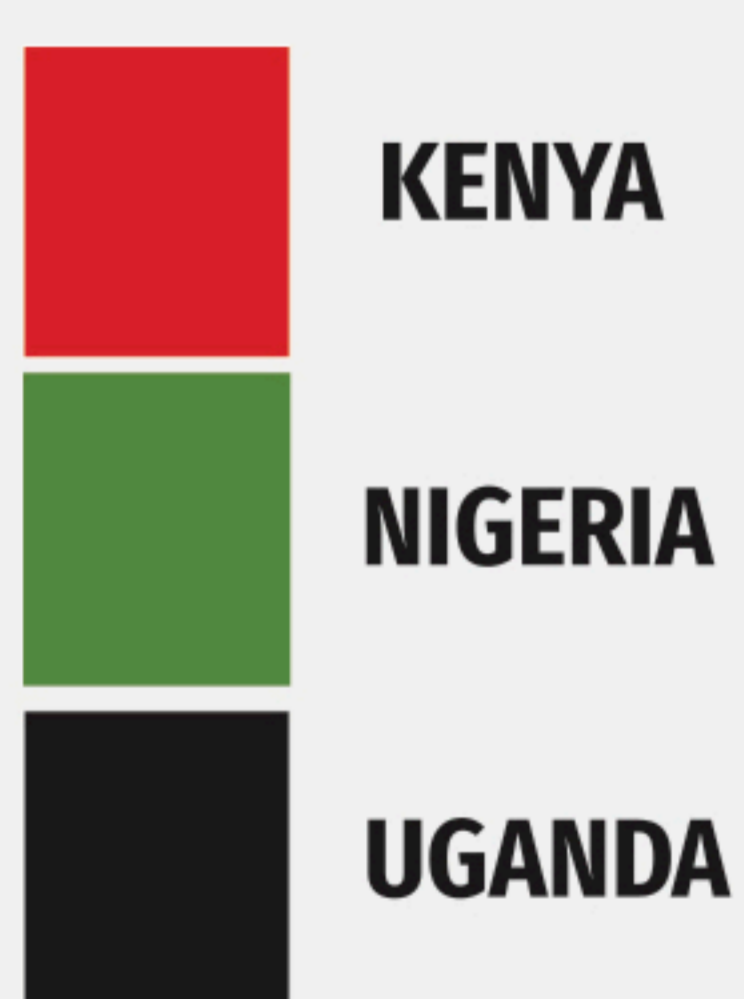
Operational Level

EBAFOSA is providing a common framework that is convening enterprises in agriculture, clean energy, micro-finance, Information Communication Technology – to foment market driven partnerships that enhance climate actions. Examples of operational impacts;



In KENYA, youth have been structurally guided to forge partnerships through the framework of EBAFOSA Innovative Volunteerism combining their skills in clean energy, marketing and ICT and have come up with a 1st ever climate action enterprise ICT application called EBAGroPamoja.. EBAGroPamoja is the first ever connecting the dots app in Africa that connects challenges to solutions in the entire agro-value chain. Through EBAGropamoja, agro-value chain are linked to organic inputs like organic fertiliser as well as clean energy solutions like solar driers etc., at the comfort of their phone. Transporters are now posting their logistics services online and getting linked to producers who want their produce transported to markets or consumers who want produce transported to their homes. Financers – cooperatives & micro-financers – are now registering their products for easy access by actors who need financing. EBAGropamoja also has an online training module where actors engaged in these enterprises actions along the continuum can offer training for a fee. In rural areas where actors don't have access to smart phones, tech savvy youth are leveraging Ebagropamoja to scout for affordable intervening services. EBAGroPamoja also features an online store where agro-produce grown using EBA / processed using clean energy is promoted to markets across Kenya. In all these cases, value is exchanged, and incomes earned while clean energy and EBA are upscaled through enterprise-based interventions. Since its launch 2 months ago, EBAGroPamoja has engaged service providers across the value chain and assets in excess of \$37 million engaged in value exchange.

In NIGERIA, have been structurally guided to forge partnerships through the framework of EBAFOSA Innovative Volunteerism to provide brokerage services for agro-value chain actors by linking them to clean energy solutions and to markets. 10 solar driers/ solar fridge actors have been engaged with focus on the fish value chain where use of solar driers has provided alternative to smoking. As a result 500 farmers and 20 cooperatives have been engaged to acquire solar driers & solar fridges to minimise their postharvest losses. This is not only enhancing quality of fish to ensure better market process but also preventing use of charcoal & firewood to prevent deforestation hence preserve sinks. Two fishing cooperatives capable of processing up to 2 tonnes of fish a month have been engaged in this paradigm. These were using charcoal for drying – meaning over half-tonne of charcoal equivalent of wood being saved.



In UGANDA through the framework of EBAFOSA Youth skills retooling Academy called Africa Youth Agro-Industrialization Academy (AYAA) have been established for nurturing climate action actors and enhancing, refining and realigning their skills especially of youth to tap opportunities along the agro-value chain – structure for nurturing Innovative Volunteerism. Through AYAA, youth are mentored and trained with hands-on skills on climate-action enterprises. Specific focus of training is on hands-on skills in fabricating, marketing & installing solar driers; key to drive Uganda's mitigation / clean energy NDC priorities; agro-processing focusing on the cassava value chain - driving Uganda's adaptation / climate smart agriculture NDC priorities; entrepreneurship – key to convert such climate actions to enterprises. Over 100 youth are being engaged. Lessons from EBAFOSA AYAA Uganda will be used to set up similar training centres for climate actions across the continent.

INNOVATIVE Volunteering

Innovatively financing climate action

Work has aimed at guiding cooperatives to tap into asset financing along the agro-value chain – especially clean energy solutions e.g. solar driers, solar irrigation among key ones - as a business expansion strategy. And such clean energy systems being capital assets are themselves collateral as they can be repossessed in case of default. In addition, actors using these systems minimise their postharvest losses and increase yields to earn more and be better placed to make repayments to their cooperatives. And considering clean energy is a climate solution, these cooperatives are financing upscaling of climate actions.

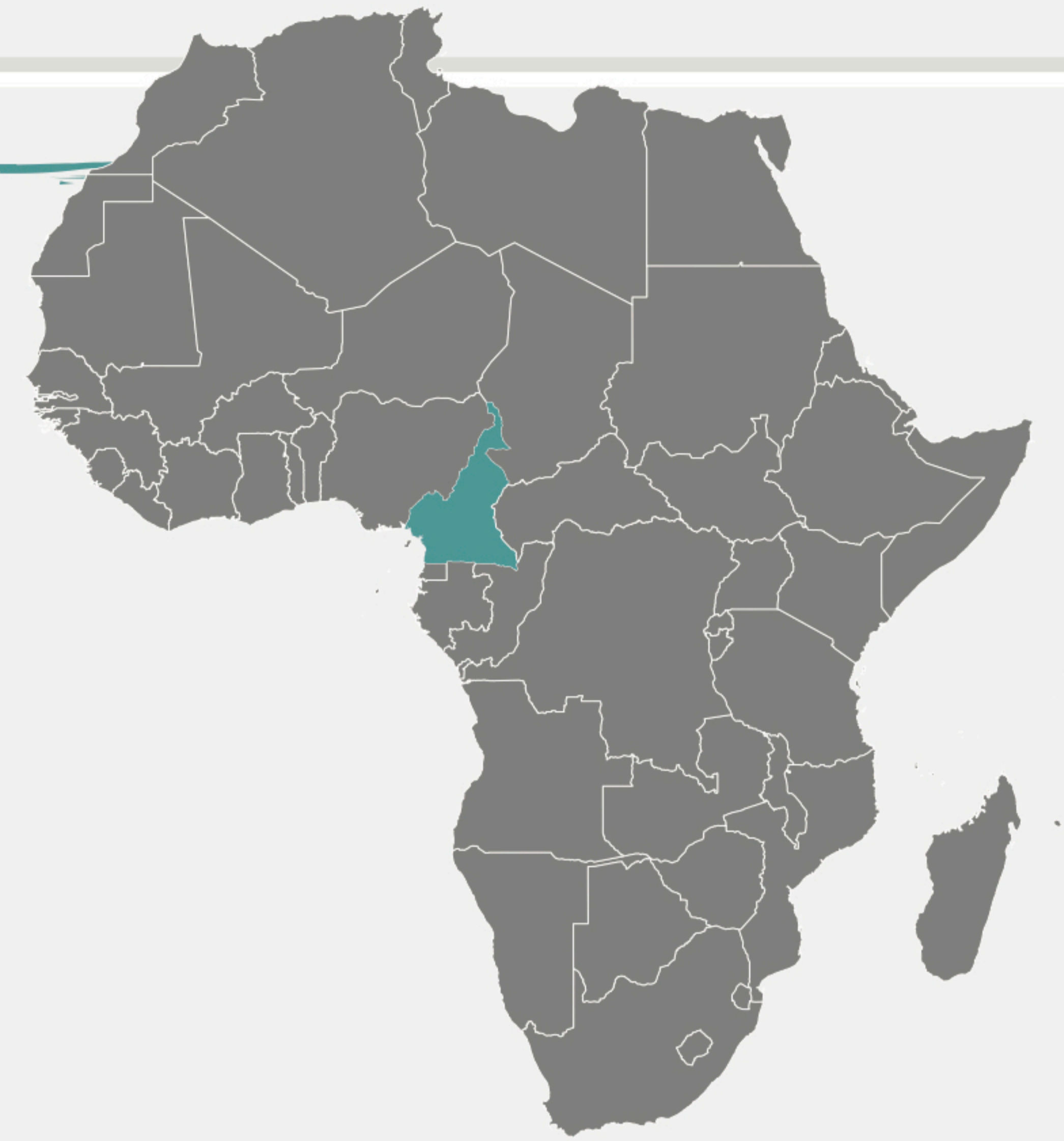


Wealth creation

INNOVATIVELY FINANCING climate action

CAMEROON

In **CAMEROON**, through EBAFOSA convening space & technical guidance, a women njangi / cooperative with 500 cassava farmers, have been mobilised to pool their resources and acquire solar driers. Through this njangi, these women are drying their cassava to increase its shelf life and speculate for better market process that enable them to repay the cash advance from the njangi. Through this cooperative, solar driers upscaling – mitigation – is financed. In addition, cassava being a climate resilient crop, the njangi is also financing EBA



KENYA

In **KENYA**, a micro-finance SACCO focused on financing cassava farmers has been guided to expand thier offerings to start financing solar driers, biogas and other clean energy systems to enable the cassava farmers develop a variety of cassava products and diversify their income streams. The cooperative has diversified its lending to now include these clean energy systems as a business expansion & diversification strategy, but which has co-benefits of sustainably financing climate action considering clean energy is a climate solution.



TOGO

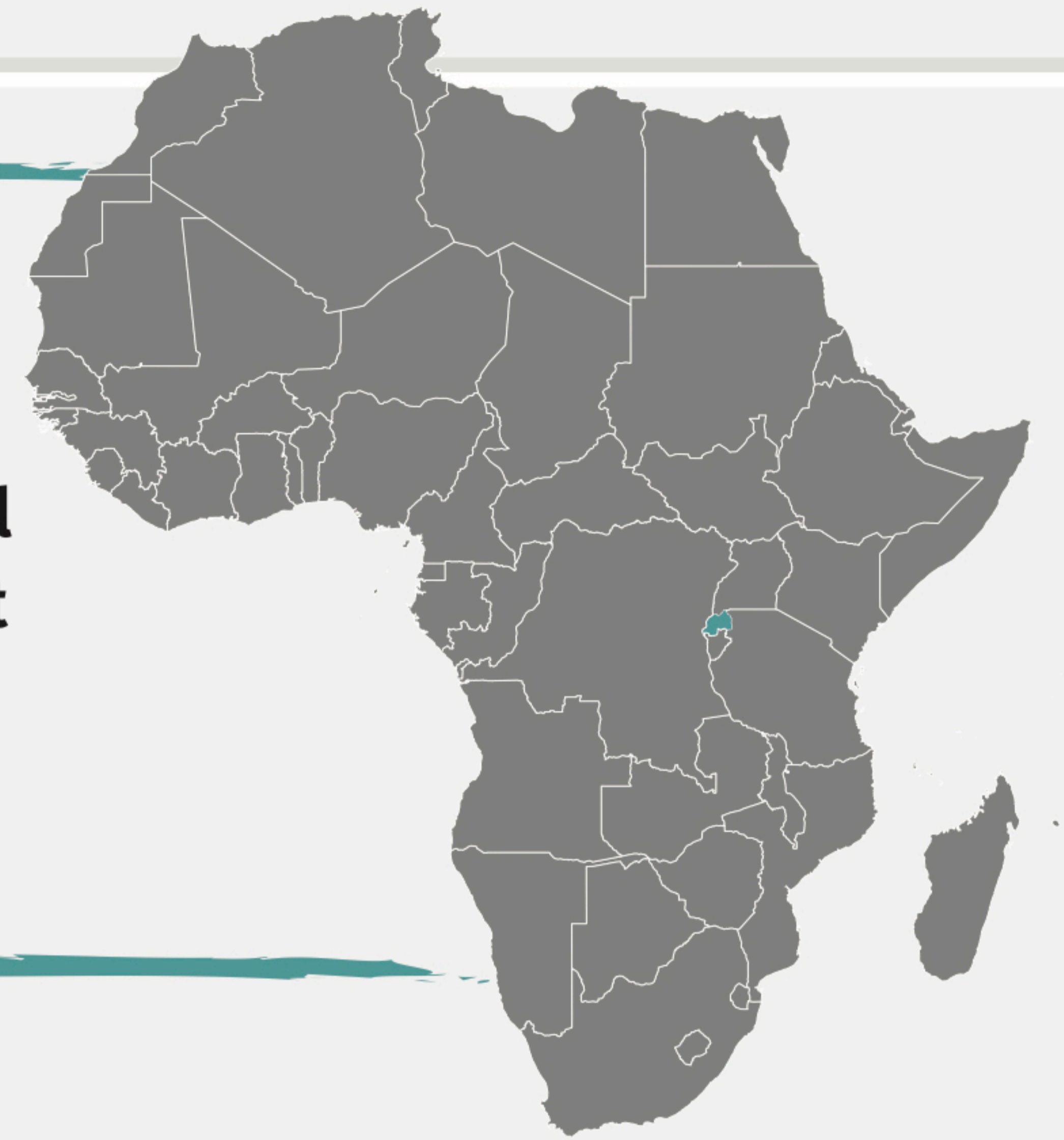
In **TOGO**, youth groups have been guided to leveraged on a financial inclusion initiative targeting farmers by providing cooperative services that was focused on social financing of inputs and expanded it to start innovative financing of clean energy solutions and linking farmers to markets to enable farmers earn more. They are linking solar driers to various agro-value chains that need driers & are lucrative especially rice, fish and cassava – such that produce is dried to preserve quality while increasing shelf-life. This is scaling up clean energy a climate action from an enterprise perspective. Work is ongoing in three prefectures with a total population of over 390,000 people – a potential local demand market for driving these climate solutions.



INNOVATIVELY FINANCING climate action

RWANDA

In **RWANDA**, youth innovative volunteers who were guided to use their skills to connect farmers to clean energy solutions have won government financial support under the “Youth in Agriculture Investment” initiative at the district level to start a youth cooperative focused on financing clean energy for agro-value addition. This is innovatively financing clean energy, a climate action.

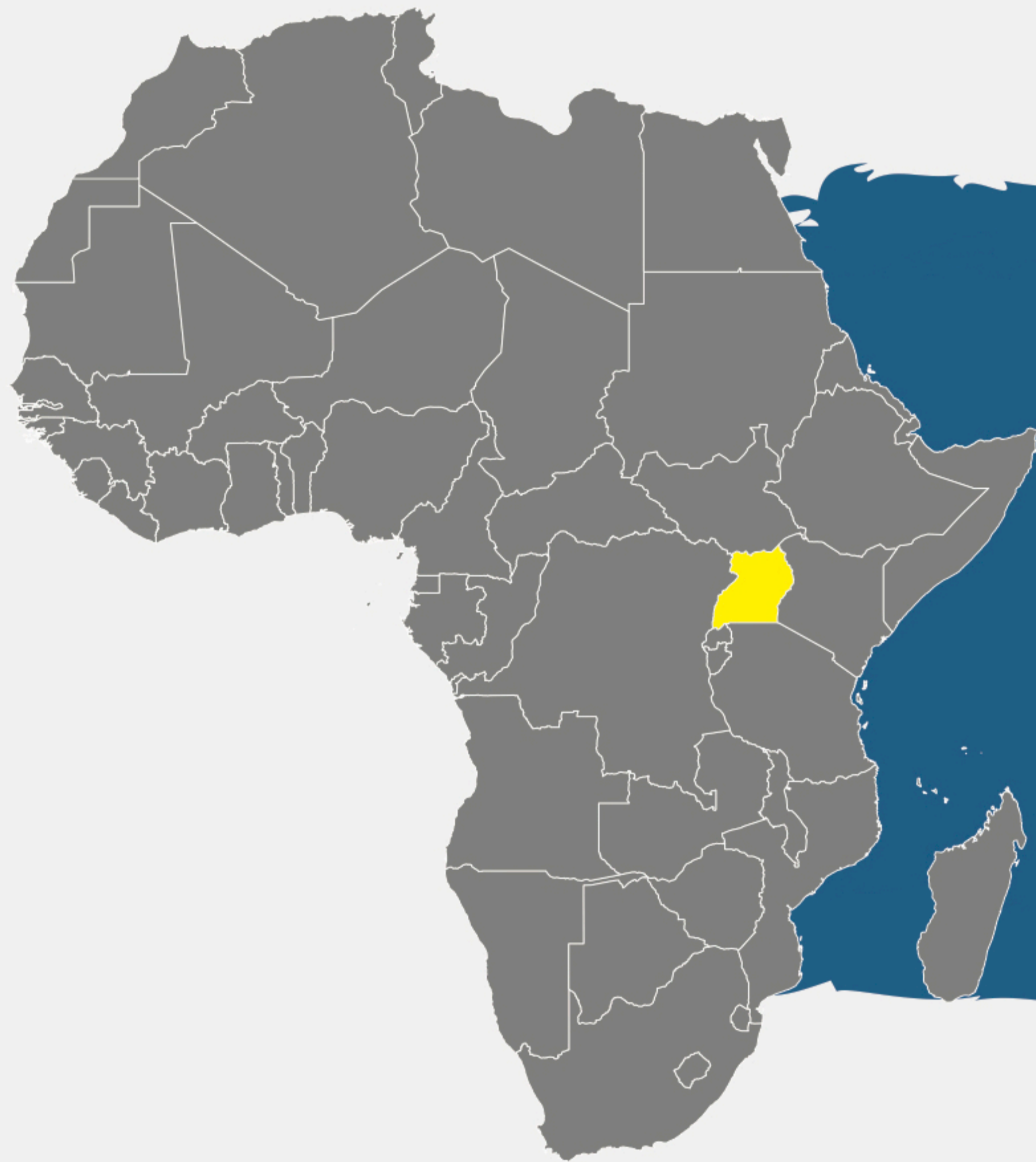


LEVERAGING EBA clean energy to create climate action enterprises

Has leveraged complementarity between EBA-driven agriculture with clean energy to unlock enterprises that scale both EBA & clean energy.

UGANDA

in **UGANDA** – Buganda Kingdom, cassava value chain is being optimised by linking producers to solar powered micro-irrigation to preserve increase yields and to solar driers to preserve surplus harvest. This has attracted a \$140million investment towards stabilising supply chain of the Uganda Breweries where target cassava farmers have been contracted to supply quality and consistent raw material. This is scaling use of solar solutions & CSA as called for in Uganda NDCs but from an enterprise dimension that ensures longevity.



ZIMBABWE

in **ZIMBABWE**, youth focusing on EBA have been guided to expand and cover linking local farmer cooperatives to clean energy solutions as an enterprise. They have identified solar actors selling driers at a discount and a cooperative of about 30members has been guided by the youth to acquire 3 solar driers now being used to preserve produce hygienically. This hygienic produce is being linked to consumer markets to create incentive for continued use of solar driers – a climate action.

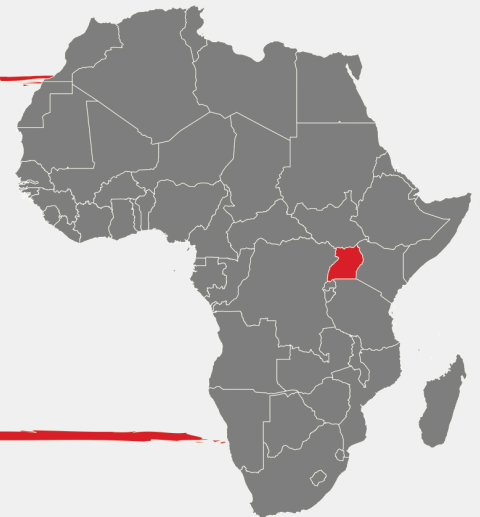


MARKET INCENTIVES FOR climate action

EBAFOSA has worked with national standards bodies to develop a climate action market incentive guide on the cascade of standards agro-enterprises in the country need to comply with to ensure they tap into health, environment, climate & quality conscious consumers who are increasing. This is providing pull factor for use of nature based, EBA approaches & clean energy to produce & process food and hence driving NDCs considering both CSA & clean energy are shared priorities in about 70% of NDCs in Africa.

UGANDA

In **UGANDA**, EBAFOSA has worked with the Uganda National Bureau of Standards (UNBS) to start implementation of this climate action market incentive guide which is now being used to validate produce in the cassava value chain for a start.



NIGERIA

In **NIGERIA**, EBAFOSA has worked with the Standards Organisation of Nigeria (SON) to start implementation of this guide which is now being used to validate produce in the tomato value chain for a start.

