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Farm of the Future



Farm of the Future is a regenerative agroforestry demonstration farm. This project is designed to transform Afua Pokuad's 4-hectare farm into a living example of how farming can become more productive, climate-resilient, and profitable.

By combining cocoa with shade trees, food crops, biochar, digital tools, and farmer training, the aim is to show how regenerative agriculture can restore both land and livelihoods.

Afua Pokuad
Cocoa Farmer & Farm Owner

• FARM OF THE FUTURE •

Established 2025, Meduma, Ghana





Building a Resilient Future for Cocoa Farming with Afua Pokuaa

This project is transforming Afua Pokuaa's 4-hectare farm into a living model of regenerative agroforestry by combining cocoa with shade trees, food crops, biochar, digital tools, and farmer training to show how farming can become more productive, climate resilient, and profitable.

Many cocoa farms in the region share Afua's challenges, such as aging trees, declining soil health, erosion, and costly inputs.

This farm offers practical, visible solutions that farmers, youth, and visitors can witness firsthand and replicate. The ultimate goal: a blueprint for the future of cocoa farming in Ghana that works for both people and nature.

Goals

-  1. Restore farm productivity through partner-driven innovations
-  2. Regenerate soils, increase biodiversity, and build climate resilience
-  3. Expand knowledge in farm management, digital skills, and biochar among farmers and youth
-  4. Create a practical model that can be replicated by surrounding communities

Funded by:



Netherlands Enterprise Agency

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Scan to find out more information about the Farm of the Future

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Afua's cocoa trees were recently pruned by our labour groups to help boost yields, and the many chickens we also provided, are happily foraging for food in the undergrowth.





The tree seedlings on Afua's farm are now standing tall, each protected by a ring of prickly pineapple plants. Once mature, the farm will demonstrate a multi-strata agroforestry system with cocoa as the base layer, a mid-layer of fruit trees such as citrus, avocado, and coconut, and a canopy of taller shade-providing species.



Afua is enthusiastic about the way her farm has developed and is looking forward to improved cocoa yields this season, alongside the harvest of fruits in the years to come.

reNature (lead partner) manages the project and leads the design of the agroforestry system and farmer training curriculum. They will also model and analyse the productivity, profitability and environmental benefits of the agroforestry system.

ETG | Beyond Beans is supporting the project with labour groups who will prune cocoa trees, plant the agroforestry design, and train farmers on Good Agricultural Practices and regenerative agriculture. We are also establishing Village Savings and Loan Associations (VSLAs), digitising finance, integrating e-wallets, and providing training on entrepreneurship, gender, and child protection.

Carboneers have produced biochar in a kiln on the model farm and applied it to the cocoa trees as a soil amendment. They will now use AI-based yield estimation and disease detection to measure its impact on the trees and their productivity.

SPAAK is leading the digital training of youth in the communities, teaching youth essential digital literacy, and providing tools to help their farmer parents track key farm indicators.

Groasis is supplying Waterboxx technology which provides water to the agroforestry seedlings during the sensitive establishment phase and helps them to grow rapidly and strong.

TheRockGroup is working on assessing the potential for using the products of the agroforestry systems and other non-cocoa farm crops to create new income streams and reduce waste.

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