Uganda



Organization: Moyo District Farmers' Association (MDFA)
Location: West Nile Sub-region, Moyo and Obingi district, Northern Uganda
Solution: Nature-based climate adaptation participatory planning process for host-communities and refugees in Northern Uganda
Factsheet Period: First round of UNDP AFCIA funding (18 months); Second round of UNDP AFCIA funding (9 months)



Women receiving training to sustain productivity and ensure food security in Uganda @MDFA

Uganda has the highest refugee population in Africa, with over 1.7 million refugees mainly from South Sudan and the DRC (UNHCR, 2024). The Moyo District Farmers Association, with almost 30 years of respected grassroots presence in the Moyo district, has introduced an innovative solution focused on an inclusive climate adaptation planning process to integrate host-communities and refugees. This initiative targets local farmers to strengthen their knowledge, skills and tools to farm more sustainably and improve their income. Through the initiative, farmers are developing skills in agroforestry and climate-smart practices to restore natural resources, reduce vulnerability to food insecurity and economic shocks, and promote peaceful coexistence.

Key achievements

- 2,975 farmers (69% women) trained on nature-based climate adaptation solutions.
- 384 acres of land under conservation or restoration practices (Farmer Managed Natural Regeneration); FMNR techniques have been integrated with income-generating enterprises such as beekeeping, providing farmers with additional income while promoting environmental sustainability.
- Trained 148 group leaders (78 women and 70 men) in the Gender Action Learning System (GALS) methodology. These leaders extended the training to 1,558 farmers (1,046 women and 512 men) across their communities. As a direct outcome, 272 households have adopted GALS tools to improve home planning and decision-making.
- The app is operating to enhance the knowledge and skills of extension workers in supporting climate-proofing efforts for our members. It addresses technical capacity gaps among extension officers and helps bridge the divide between farmers and agricultural extension workers. Created accounts for two NGOs on the app and entered data for 893 farmers.

Innovation

- Publicly-accessible and cost-effective climate adaptation app for mapping.
- Technology-enhanced farming practices (including land mapping, climate issue tracking and field data collection).
- MDFA records climate-smart practices, facilitates performance analysis, and provides conservation training.

Adaptation benefits

- Increased resilience to extreme weather.
- Enhanced soil health and agricultural productivity.
- Reduced food insecurity and economic vulnerability.





Social impact

- Empowers community coexistence and collaboration
- Strengthens gender equality by empowering women and smallholder farmers, ensuring they have equal opportunities and resources to succeed in their communities
- Reduces barriers for women in agriculture through Gender Action Learning System
- Expands climate-proofing training for community

Replication potential

- Scalable and adaptable training programmes
- Customizable app for diverse regions and languages
- Community-driven planning processes applicable in different context
- Non-governmental organizations adopting Climate Agri Solutions app with enhanced user capacity

Funding snapshot

- UNDP-AFCIA grant: US$235,000 (initial grant: $125,000; scaling grant: $110,000)

Investability	
Revenue per year	Total revenue $35,000 per year, breakdown: $22,000 tractor hire services $8,300 produce sales $2,000 membership fee $2,700 office rent
Sustaining criteria	Membership fees, and income from tractor hire services and sunflower oil pressing machines
Financial innovation	The formation of the member-owned and operated Savings and Credit Cooperative Organization (SACCO) mobilized $8,051 in savings from its 135 members, and the circular funding has disbursed $1,589 in loans to date.
Expected return	15% from SACCO operation and 10% from the tractor hire services

ADAPTATION FUND Climate Innovation Accelerator

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To read their story, visit UNDP-AFCIA

To watch their video, click here

To contact the initiative, visit MDFA