

The Agricultural Climate Resilience Enhancement Initiative (ACREI)

Integrated Flood and Drought Management and Early Warning for Climate Change Adaptation in the Volta Basin

WEATHER CLIMATE WATER
TEMPS CLIMAT EAU



WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

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Motivations for ACREI

- Linking regional level actions to local level implementation – i.e. A comprehensive approach to tackling resilience and adaptation from climate information to capacity building of stakeholders to actual adaptation and resilience building initiatives on the ground;
- Exploring new partnerships - WMO as a technical institution, ICPAC as the Regional Climate Centre for Eastern Africa, NMHSs as the institutions mandated to provide climate services at national level, FAO as the UN agency best suited to support adaptation and resilience programmes at national level;
- Link to AMCOMET, enhancing meteorological services in development. ACREI is a key project that links meteorology to **actual adaptation actions on the ground** by demonstrating the importance of climate and weather information for adaptation and resilience.



Credit : FAO

ACREI benefits

Various adaptation and sustainable development benefits envisaged:

- **Economic** - Increased income, more efficient use of agricultural inputs, improved livelihood resilience to climate shocks;
- **Social** – improved food and nutrition security, improved social cohesion due to community-centered approaches such as farmer field schools, involvement of both men and women in project activities;
- **Environmental** – improved management of natural resources including soil, water and pasture;
- Use of a **climate-smart approach** to adaptation actions ensuring that adaptation actions also contributes to natural resources management and improved soil and water management.



Credit : FAO

In terms of climate action ACREI is supporting resilience through multiple means including:

- Availability of climate and weather information - down scaling and packaging into easily understandable languages;
- Improving institutional capacity of extension actors on weather and climate so they can provide better services to the farmers they serve - resilience capacity is linked not only to the farmers but also to those who provide them with essential services and information;
- Supporting community adaptation at both seasonal and long terms level
 - Seasonal level adaptation planning and support
 - + Longer term adaptation planning through processes such as Community Managed Disaster Risk Reduction (CMDRR) and support community grants for adaptation investments.





ACREI is aligned with global, regional and national sustainable development agendas.

- **Sustainable Development Goals (SDGs):** Primary focus on SDG 2 (Zero Hunger) and 13 (Climate Action);
- **AMCOMET Strategy:** In line with goals to enhanced production and delivery of weather and climate services, support the provision of services for climate change adaptation and strengthen partnerships and cooperation;
- **Africa Agenda 2063:** Contribution to a prosperous Africa based on inclusive growth and sustainable development and an Africa whose development is people-driven, relying on the potential of African people, especially its women and youth, and caring for children;
- **Disaster Risk Reduction:** Implementing the national DRR plans and strategies in Ethiopia, Kenya and Uganda.

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- Coordination with past and on-going projects (World Bank, CREWS, FDMT, CREWS....) to benefit and build on existing information/methodologies;
- Identify appropriate Early Warning Solutions for the current capacities (data, network, IT, human resources....);
- Embed Flood and Drought forecasting into a unique Warning System;
- Integrate medium and long term climate variability into transboundary and national policies and action plans;
- Community involvement and capacity building;
- Improve coordination at basin scale with the national partners

Key Issues in the riparian countries' **Nationally Determined Contributions (NDCs)** addressed by the project:



Vulnerabilities and Impacts



Human Awareness and Knowledge Development



Strengthening Early Warning Systems



Climate Change and Environment



Water Resources



Gender

The project is a direct contribution to Sustainable Development Goal (SDG) #13 as well as 11 other SDGs:



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Thank you Merci



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