

WATER-ENERGY-FOOD-ECOSYSTEMS NEXUS



Enhancing Water-Energy-Food-Ecosystems (WEFE) Nexus and
Climate Resilience along Koko and Lwiro Rivers of Lake Kivu
Basin through Nature-Based Community Enterprises

General Description of the project

Water, energy, and food are essential elements for human life, but face constant pressure resulting from economic development, climate change, and other global processes. GIZ provided the grant to the Albertine Rift Conservation Society (ARCOS) on behalf of the Federal Ministry for Economic Cooperation and Development (BMZ) as part of agreement between the EU and GIZ. The grant will be used to implement a pilot project termed: “Enhancing Water-Energy-Food-Ecosystems (WEFE) Nexus and Climate Resilience along Koko (Rwanda) and Lwiro (DRC) Rivers of Lake Kivu Basin through Nature-Based Community Enterprises”.



Overall Objective

The overall goal of the proposed project is to enhance Water-Energy-Food-Ecosystems (WEFE) Nexus and Climate Resilience along Koko (Rwanda) and Lwiro (DRC) Rivers of Lake Kivu Basin through Nature-Based Community Enterprises as champions of sustainable change.

The project will be implemented in collaboration with the Government of Rwanda through, Rwanda water Resources Board (RWB), Rutsirro District, and Authorite du Bassin du Lac Kivu et de la Riviere Rusizi (ABAKIR).



Project expected activities and outputs

- Establish community groups in each river basin and operationalized the sub-catchment management committees and one community nursery bed functional trees (Agroforestry, fruits species and indigenous species);
- Provide training to the project staff, local government leader's and beneficiary farmers on the concept of Water-Energy-Food-Ecosystems (WEFE Nexus) Sustainable Agriculture Land Managements (SALM) and Integrated water resource managements (IWRM) with the objective of transfer knowledge to the local farmer as project beneficiary;
- Establish anti erosion trench on 30ha to facilitate soil stabilization and conservation and planting agroforestry, fruits species and indigenous species and establish gravity water supply system;
- Promote the protection of buffer zone of NYAKAGEZI, NYAKABANDE stream and KOKO River and stabilization of gully's by planting the Agroforestry and indigenous trees species) in side of Rwanda and Lwiro river in DRC;
- Establishing 100 kitchen gardens to household at each basin river;
- Establish one selling points for the community products (including fruits, vegetables etc.);
- Provide cooking stoves to 100 households at each river basin.

About ARCOS

Founded in 1995, ARCOS is a regional conservation organization with the mission to enhance biodiversity conservation and sustainable management of natural resources, in the Albertine Rift region, African Great Lakes region and in Africa mountains ecosystems, through the promotion of collaborative action for nature and people.

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