

Irrigation for Climate Resilience Project

Kabuyanda Irrigation Scheme - Isingiro District



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Project Overview

The Irrigation for Climate Resilience Project (ICRP) aims to support the shift towards more resilient agriculture through the development of sustainable irrigation services. Access to irrigation is critical to allow farmers coping with climate variability, to increase yield and intensification, and diversify towards higher value crops. The project will address Uganda's climate change vulnerabilities by: (i) promoting adoption of irrigation by smallholder farmers, in synergy with other agriculture inputs and technologies; (ii) increasing water storage capacity; and (iii) promoting sustainable catchment management. This change will be market-driven, with irrigation becoming the anchor for stronger producer organizations and development of value chains.

The project is implemented by the Ministry of Water and Environment (MWE), with the Ministry of Agriculture, Animal Industry and Fisheries (MAAIF) as technical implementation partner.

Project Development Objectives

To provide farmers with access to irrigation and other agricultural services, and to establish management arrangements for irrigation service delivery.

Approved by the World Bank: June 18, 2020

Ratified by the Ugandan Parliament: August 25, 2020

Closing: April 30, 2026

Financial Data (US\$ million)

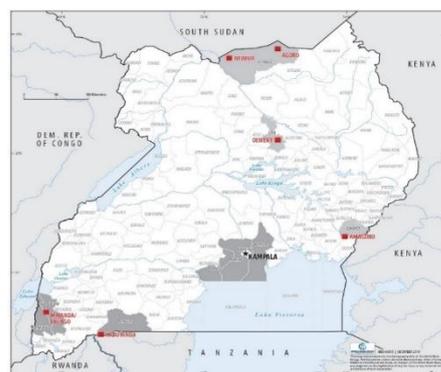
Financier	Financing
The World Bank	169.2
Government Counterpart	2.4
Local beneficiaries	18.5
Total project cost	190.1

Components

Component 1. Irrigation Services, which aims at providing farmers with irrigation water.

Component 2. Support Services for Agricultural Production and Value-Chain Development, which aims at supporting farmers carrying out on-farm irrigation, accessing production and value addition knowledge and skills, and developing sustainable market access.

Component 3. Institutional Strengthening and Implementation Support, which aims at supporting project implementation.



Kabuyanda Irrigation scheme

The ICRP will support – among other activities – the construction of a new public large-scale irrigation scheme of Kabuyanda, and the related establishment of management structures. The scheme is located in the sub-counties of Kabuyanda and Kikagati, in Isingiro District, Western region, near the border with Tanzania. The target area is characterized by regional market opportunities where cooperatives are present, and farmers well versed in rainfed agriculture, with unreliable rainfall presenting a key limiting factor for yield increase, crop diversification and intensification.

Beneficiaries

Kabuyanda Irrigation scheme is expected to benefit 32,100 farmers - mainly smallholder - of which 40% women.

Design

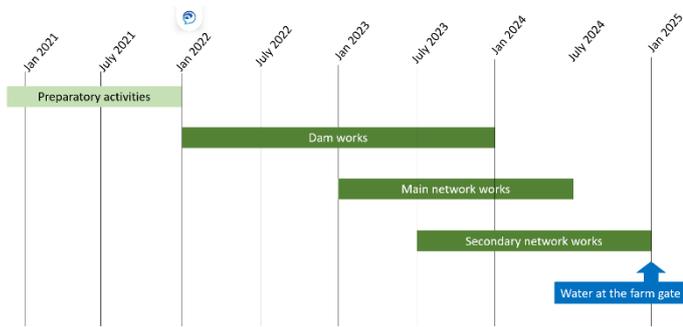
The Kabuyanda irrigation scheme will consist in a zoned earthfill dam on the Mishumba River, of 33 m high, 314 m of maximum crest length, creating a 8.8 Mm³ reservoir. The dam will feed a piped irrigation network serving a command area of 3,300 ha.

Rwoho Central Forest Reserve

The dam and the reservoir will be located within Rwoho Central Forest Reserve. Biodiversity studies indicate the area is a modified habitat, significantly disturbed by human activities. No significant conversion or degradation of natural habitats and no unacceptable impacts on fauna and flora are anticipated. To mitigate the impacts, the project will restore and reforest an area (500 ha) five time larger than the one which will be inundated (100 ha), using indigenous species.

Timeline of works

Preliminary activities are expected to be carried out throughout 2021, for dam works to start in early 2022 and network works to start in early 2023. Water is expected to be made available at the farm gate in **January 2025**, for farmers to irrigate.



For more information

visit <https://www.mwe.go.ug/library/icrp>

Contact ICRP@mwe.go.ug

With the support of the World Bank

