

FINANCING LOCALLY-LED CLIMATE ACTION INVESTMENTS

FY2023/24

CCRIG-I



MINISTRY OF ENERGY ENVIRONMENT, CLIMATE CHANGE
FORESTRY NATURAL & MINERAL RESOURCES

PREFACE



**H.E. Dr. Julius M. Malombe, EGH
Governor**

COUNTY GOVERNMENT OF KITUI

Kitui County's development Agenda is anchored in the County Integrated Development Paper (CIDP) 2023–2027 and guided by my manifesto (the Kitui Promise) 2022–2027. As a predominantly arid and semi-arid (ASAL) county, Kitui faces persistent climate-related challenges that threaten water security, agricultural productivity, ecosystem integrity, and the overall wellbeing of its communities. To address these challenges, my administration has prioritized and mainstreamed climate change adaptation and resilience building across all sectors.

The Financing Locally-Led Climate Action (FLLoCA) Programme is a three-year initiative supported by the Government of Kenya, the World Bank, County Governments, and other development partners, providing counties with a framework

to implement locally led climate resilience actions while strengthening their capacity to manage climate risks.

Through the Programme, Kitui County benefited from the County Climate Resilience investment grant (CCRIG-I), which financed climate-resilient investments across the Environment, Water, and Agriculture sectors. These investments were designed to address prioritized climate risks, enhance community adaptive capacity, and promote sustainable natural resource and environmental management at the grassroots level.

This publication documents the implementation experiences, achievements, and lessons emerging from the CCRIG-I. It demonstrates that when communities are empowered to lead climate action, investments become more responsive, sustainable, and impactful.

Kitui County remains committed to scaling these interventions, deepening climate mainstreaming and strengthening monitoring, evaluation, and learning systems. This promotes climate change adaptation, ensures sustainability in all aspects of development and enhances service delivery for the benefit of present and future generation.

Signature:

FOREWORD



Richard J. Mwendandu
County Executive Committee Member
MINISTRY OF ENERGY, ENVIRONMENT,
CLIMATE CHANGE, FORESTRY, NATURAL &
MINERAL RESOURCES

The implementation of the FLLoCA Programme marks a significant milestone in Kitui County's commitment to achieving a climate-responsive development pathway. Through the Ministry of Energy, Environment, Climate Change, Forestry, Natural and Mineral Resources, the County has implemented locally driven climate interventions under the CCRIG I grant.

Guided by participatory climate risk assessments and the County Climate Change Action Plan (CCCAP), the Ministry implemented climate-resilient interventions across the Environment, Water, and Agriculture sectors. These interventions have strengthened community resilience at grassroot level through ecosystem restoration, enhanced water access and climate smart agriculture.

By upholding monitoring and

evaluation (M&E), technical standards and safeguards, the County ensured accountability, learning, and tangible outcomes. These achievements lay the foundation for future climate action, enabling more effective, sustainable, and community-focused climate investments.

Signature:

A handwritten signature in blue ink, appearing to read 'Richard J. Mwendandu', written over a dotted line.

ACKNOWLEDGMENT



David S. Masai
Chief Officer

DEPARTMENT OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY

The successful implementation of County Climate Resilience Investment Grant (CCRIG-I) was made possible through the collective effort of multiple stakeholders. The Department of Environment, Climate Change and Forestry acknowledges and appreciates the support provided by the County Government, the World bank and other development partners in implementation of the Financing Locally Led Climate (FLLoCA) Programme in Kitui County.

Special appreciation is extended to H.E. Dr. Julius M. Malombe EGH for his visionary and strategic leadership, County sector departments for their technical support, Ward Climate Change Planning Committees for their dedication and members of the community for their commitment.

Their active participation in planning, implementation, and monitoring of the CCRIG-I FLLoCA projects was indeed pivotal. We also recognize the role of the County Climate Change Unit(CCCU), in upholding standards and safeguards that strengthened accountability and learning.

The partnerships and lessons realized under CCRIG-I, will continue to inform improved coordination, implementation, and sustainability of climate-resilient investments as the County advances to subsequent phases of FLLoCA.

Signature:

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ACRONYMS

ACRONYM	MEANING
ASALs	Arid and Semi-Arid Lands
CCAP	County Climate Action Plan
CCCU	County Climate Change Unit
CCU	Climate Change Unit
CIDP	County Integrated Development Plan
CCRIG-I	County Climate Resilience Investment Grant I
FLLoCA	Financing Locally-Led Climate Action
FY	Financial Year
GoK	Government of Kenya
M&E	Monitoring and Evaluation
PCRA	Participatory Climate Risk Assessment
WCCPTs	Ward Climate Change Planning Teams
WB	World Bank

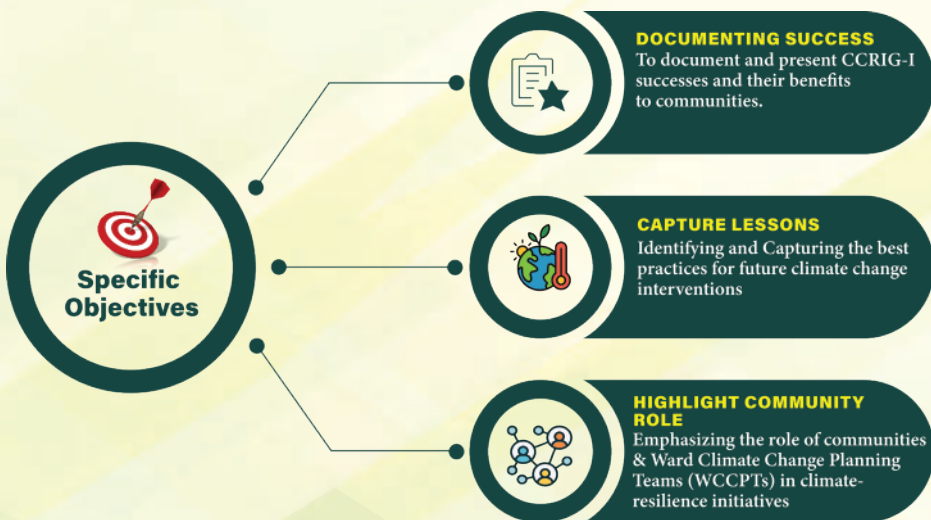
PUBLICATION OBJECTIVES

This publication outlines the overarching and specific objectives guiding the documentation and dissemination of Climate Change Resilience Investment Grant I (CCRIG-I) interventions.



Broad Objective

To showcase the impact of CCRIG-I investments in building community-led climate resilience and to capture lessons and best practices to guide the design and effectiveness of subsequent climate resilience building.



INTRODUCTION

Kitui County has been a beneficiary of the Financing Locally-Led Climate Action (FLLoCA) Programme since its inception in 2021. The Programme, implemented by the Government of Kenya with support from the World Bank and other development partners, aims to strengthen county and community capacities to plan, finance, and implement locally led climate adaptation interventions.

Under the Programme, the department of Environment, Climate Change and Forestry received the County Climate Resilience Investment Grant (CCRIG-I), which was utilized to implement priority climate adaptation projects across the Environment, Water and Agriculture sectors. Guided by participatory climate risk assessments and aligned with the County Climate Change Action Plan (CCCAP), these investments directly respond to locally identified climate risks while strengthening resilience, livelihoods, and ecosystem sustainability.

In the Environment Sector, investments focused on rehabilitating degraded landscapes, improving biodiversity, and strengthening ecosystem services through nature-based solutions. These includ-

ed the construction of sand dams to enhance groundwater recharge and tree growing initiatives.

In the Water Sector, the department supported the development of climate-resilient water infrastructure to improve access to reliable water sources. Interventions included the construction of subsurface dams, sump wells, and a pipeline extension.

In the Agriculture Sector, CCRIG-I investments promoted climate-smart agriculture and livelihood diversification to enhance food security and adaptive capacity. These included pasture development, apiculture development, and livestock breed improvement.

Summary of Investments

S/N	Project Name	No.
1	Construction of sand dams	26
2	Construction of sump wells	3
3	Pipeline extension	1
4	Apiculture Development	7
5	Pasture development	10
6	Forest ecosystem restoration	5
7	Livestock breed improvement through galla bucks	4
Total		56



KITUI COUNTY

CLIMATE PROFILE



CLIMATE & GEOGRAPHIC CONTEXT

Kitui lies in Kenya's arid/semi-arid lands. Rainfall averages 500–700 mm/ year but is highly variable. High temperatures and evapo-transpiration reduce soil moisture. Sparse bushland, shrubs, and thickets limit vegetative cover and ecological resilience.



WATER SOURCES & SCARCITY

Permanent water sources are few; most supply comes from boreholes, seasonal rivers, pans, and springs. Supply falls below demand, especially during prolonged dry spells. Droughts recur every 2–3 years, forcing reliance on seasonal or shared water sources, increasing contamination risks.



LAND, RANGELANDS & SOIL DEGRADATION

Deforestation, overgrazing, and unsustainable land use reduce soil fertility and rangeland productivity. During droughts, communities intensify charcoal burning, illegal logging, and overstocking livestock, exacerbating vulnerability.



PRINCIPLES OF LOCALLY-LED CLIMATE ACTION

1

Community Ownership

Ward planning structures guide investment selection, ensuring actions reflect local realities.

2

Livelihood Integration

Climate resilience links ecological restoration with income streams such as agroforestry and beekeeping.

3

Financial Accountability

Regulatory structures and grant management systems ensure transparent resource allocation and robust reporting.

4

Adaptation & Mitigation

Measures tackle soil erosion, watershed depletion, and livelihood vulnerability across dryland and environmentally challenged ecosystem

COUNTY CLIMATE CHANGE UNIT

The County Climate Change Unit (CCCU) is a multi-sectoral technical mechanism responsible for coordinating, guiding, and overseeing climate change interventions under the Financing Locally-Led Climate

Action (FLLoCA) Programme. The Unit aligns sectoral investments with county-specific climate risks, resilience priorities, and national climate policy frameworks.



Climate Change Fund Administrator

Manages transparent and accountable financing for local climate actions.



CCCU Coordinator

Provides leadership, coordination, and oversight of CCCU and FLLoCA.



Accounting Officer

Oversees budgeting, accounting, and financial reporting.



Procurement Officer

Ensures compliant and cost-effective procurement.



Internal Auditor

Provides independent assurance on controls and compliance.



Clerical Officer

Provides administrative and records management support.



Climate Change Desk Officer

Coordinates daily operations, reporting, and liaison.



Water Officer

Oversees climate-resilient and sustainable water investments.



Agricultural Officer

Supports climate-smart agriculture tailored to local risks.



Environmental Safeguard Officer

Ensures environmental compliance and ecosystem restoration.



Public Health Officer

Integrates health risks and benefits into climate projects.



Social Safeguards Officer

Promotes inclusion and manages social risks.



GRM Officer

Manages grievances to strengthen accountability.



M&E Officer

Tracks progress, performance, and resilience outcomes.



ENVIRONMENT

SECTOR

The County implemented integrated conservation and restoration interventions, including sand dam construction and forest ecosystem rehabilitation, to strengthen ecosystem resilience and protect critical natural resources. The inter-

ventions mitigated climate-related risks, restored degraded systems, and supported sustainable livelihoods essential for long-term socio-economic stability.



RIVER ECOSYSTEM RESTORATION

Sand Dams Construction

Under CCRIG-1 within the Environment Sector, **twenty (20)** sand dams were constructed across multiple wards. These utilize seasonal river systems to enhance sub-surface water storage through accumu-

lation of sand. The intervention has improved year-round access to water for domestic use and smallholder agriculture and strengthened household resilience.

Strategic Environmental Outcomes

- 1** Stabilised riverbeds and reduced soil erosion, protecting surrounding landscapes and agricultural land.
- 2** Restoration of vegetation cover and enhanced ecosystem functionality, supporting biodiversity recovery.
- 3** Improved climate resilience through enhanced water security and strengthened community adaptive capacity.



100%
COMPLETE

350+
BENEFICIARIES



GEO-COORDINATES
-1.1581953,
37.9947147



NDIANGU KWA MUSEE SAND-DAM
MATINYANI WARD | KITUI WEST

1 This sand dam has a huge backflow, holding water for small scale irrigation and livestock watering. Once filled with sand, the sand dam will improve the agricultural productivity of the nearby farms, and improve water supply for the residents of the area.



100%
COMPLETE

250+
BENEFICIARIES



GEO-COORDINATES
-1.6122803,
38.0318762



CIACABA KWA MUTUNGI SAND-DAM
THARAKA WARD | MWINGI NORTH

2 The sand dam has trapped layer upon layer of sand, turning the seasonal river into a natural underground reservoir. By digging shallow wells, the community now reaches reliable water for Domestic use.



100%
COMPLETE

305+
BENEFICIARIES



GEO-COORDINATES
-1.2710131,
38.0233804



NDIUNI KWA KIMUYU SAND-DAM
KYOME/ THAANA WARD | MWINGI WEST

3 A long reach of water pools upstream of the sand dam, stretching nearly 500 meters along the river course. In its very first season after construction, this stored water has become a dependable resource supporting livestock and small-scale irrigation.



100%
COMPLETE

250+
BENEFICIARIES



GEO-COORDINATES
-1.3158453,
37.8968788



MUMBUNI KWA KISENGA SAND-DAM
NGUTANI WARD | MWINGI WEST

4 The Sand Dam has held water upstream in its first season, forming a visible pool along the river channel. The structure has already begun its intended role of recharging groundwater beneath the surface.



100%
COMPLETE

300+
BENEFICIARIES



GEO-COORDINATES
-1.4849698,
38.02676



WINDUTI KWA KIMANZI SAND-DAM
NGOMENI WARD | MWINGI NORTH

5 This sand dam holds water as seasonal flows continue to deposit sand, gradually securing supply for nearby households and livestock.



100%
COMPLETE

200+
BENEFICIARIES



GEO-COORDINATES
-1.0675529,
38.1054806



ITHUNZI KWA MUSYOKA SAND-DAM
MIGWANI WARD | MWINGI WEST

6 This sand dam held water during the first rainy season following its construction, marking an early shift in how runoff is retained and used locally.



100%
COMPLETE

300+
BENEFICIARIES



GEO-COORDINATES
-1.5546687,
37.7685773



KAITHA KWA KARUNGU SAND-DAM
KIVOU WARD | MWINGI CENTRAL

7 This sand dam has raised sand levels along the riverbed, in turn increasing water availability downstream for livestock watering. Upstream, the same structure allows households to scoop shallow wells for daily domestic use.



100%
COMPLETE

200+
BENEFICIARIES



GEO-COORDINATES
-0.9855203,
37.9473092



NGELANI - NGAANI SAND-DAM
MUTHA WARD | KITUI SOUTH

8 The sand dam has retained water, and as additional sand accumulates, it is expected to increase storage for shallow wells, supporting both household and agricultural use.



100%
COMPLETE

300+
BENEFICIARIES



GEO-COORDINATES
-0.9751156,
38.1558033



KWA KITHEKA SAND-DAM-IMBA
NGUNI WARD | MWINGI CENTRAL

9 This sand dam has increased water levels in shallow wells along the river, supporting irrigation and livestock watering during dry spells.



100%
COMPLETE

200+
BENEFICIARIES



GEO-COORDINATES
-1.5546687,
37.7685773



MWAINYA KWA NZYIMI SAND-DAM
MUTONGUNI WARD | KITUI WEST

10 This sand dam held water during the first rainy season after construction, providing households with a source for domestic use and supporting livestock watering.



100%
COMPLETE

205+
BENEFICIARIES

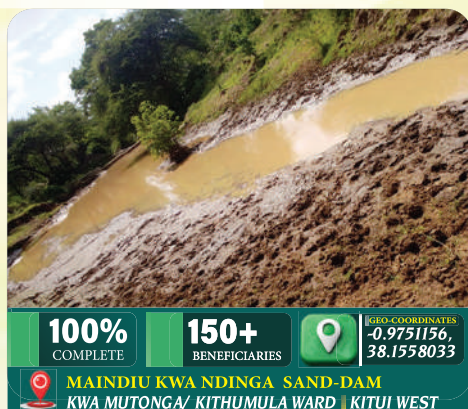


GEO-COORDINATES
-1.7114969,
37.9208764



KYALALAKA-KWA KITATU SAND-DAM
IKANGA / KYATUNE WARD | KITUI SOUTH

11 The sand dam has retained substantial backflow, providing water for livestock watering, while downstream wells supply households with clean water. Over time, it is expected to support gradual regeneration of the surrounding forest ecosystem.



100%
COMPLETE

150+
BENEFICIARIES



GEO-COORDINATES
-0.9751156,
38.1558033



MAINDIU KWA NDIINGA SAND-DAM
KWA MUTONGA/ KITHUMULA WARD | KITUI WEST

12 There is a backflow along the river, supplying water for domestic use and livestock watering. While the area has experienced biodiversity loss, the dam has contributed to gradual environmental restoration by supporting vegetation regrowth along the riverbanks.



100%
COMPLETE

400+
BENEFICIARIES

GEO-COORDINATES
 -1.386962,
 38.0206416

NZEU SEEKEA SAND-DAM
MBITINI WARD | KITUI RURAL

13 The sand dam has accumulated water upstream, providing households with a source for livestock watering, small-scale irrigation, and domestic use. It is expected to gradually recharge the downstream sump well that serves the wider Mbitini Ward



100%
COMPLETE

200+
BENEFICIARIES

GEO-COORDINATES
 -1.0675529,
 38.1054806

ILIKA KATHOKOE KWA MUMBA SAND-DAM
YATTA/ KWA VONZA | KITUI RURAL

14 The sand dam has retained back-flow from the degraded river, providing water for livestock rearing. As sand accumulates over time, it is expected to gradually raise water levels and support natural regeneration along the river.



100%
COMPLETE

250+
BENEFICIARIES

GEO-COORDINATES
 -1.443288,
 38.3597663

KITOONI KWA MUMO SAND-DAM
KANYANGI WARD | KITUI RURAL

15 The sand dam has retained significant backflow, providing water for small-scale irrigation and livestock watering. Over time, it is expected to support gradual improvements in agricultural productivity,



100%
COMPLETE

185+
BENEFICIARIES

GEO-COORDINATES
 -0.8672043,
 38.3564684

KOMBUNI KWA MUMO SAND-DAM
ZOMBE/ MWITIKA WARD | KITUI EAST

16 The sand dam has elevated water levels in hand-excavated shallow wells and sump wells, enhancing supply for both households and livestock. In the long term, it is anticipated to facilitate gradual restoration of the surrounding forested areas,



100%
COMPLETE

310+
BENEFICIARIES



GEO-COORDINATES
-1.6898519,
38.46062



NZEEU KWA NDUA SAND-DAM
NZAMBANI WARD | KITUI EAST

17 The dam has retained substantial backflow, supplying water for household use, livestock watering, and small-scale irrigation. Over time, it is expected to bolster agricultural output, particularly for farms adjacent to the river.



100%
COMPLETE

205+
BENEFICIARIES



GEO-COORDINATES
-1.3574582,
38.4891966



MUNYUNI KWA MWETU SAND-DAM
VOO/KYAMATU WARD | KITUI EAST

18 The sand dam has elevated sand accumulation along the riverbed, which in turn has increased downstream water levels for livestock watering and household use.



100%
COMPLETE

295+
BENEFICIARIES



GEO-COORDINATES
-1.094657,
37.8856371



MUNYUNI KWA KISILU SAND-DAM
ENDAU/ MALALANI WARD | KITUI EAST

19 This sand dam has retained water, supporting small-scale irrigation and gradual improvement of agricultural activities. Over time, it is expected to contribute to the regeneration of the river ecosystem.



100%
COMPLETE

250+
BENEFICIARIES



GEO-COORDINATES
-1.6082415,
38.2350339



MUTHITHI KWA MWENGI SAND-DAM
MUTITU WARD | KITUI EAST

20 The sand dam has retained water, which is expected to support gradual regeneration of the surrounding forest ecosystem.



FOREST ECOSYSTEM RESTORATION

The Forest Ecosystem Restoration initiative targeted degraded forest ecosystems in Nuu, Mui, Mutha, Mutitu, and Endau Malalani forests within their respective wards. The intervention restored four (4) hectares per for-

est, cumulatively rehabilitating twenty (20) hectares, with a focus on restoring ecological functionality, strengthening forest catchments, and ensuring long-term sustainability of these critical environmental assets.

Strategic Environmental Outcomes

- 1 Rehabilitation and protection of forest catchments, improving water infiltration, groundwater recharge, and sustained water availability.
- 2 Reduced soil erosion and land degradation, leading to improved soil stability and lower sedimentation in downstream ecosystems.
- 3 Restoration of biodiversity through regeneration of indigenous tree species and natural habitats.
- 4 Enhanced carbon sequestration and improved local microclimates, strengthening resilience to climate variability and extreme weather events.



01 / Mui Ward | Mwingi Central

Forest Ecosystem Restoration through tree planting, Mui Ward, Mwingi Central

GEO-COORDINATES: -1.0390018, 38.2414388



02 / Endau/Malalani | Kitui East

Forest Ecosystem Restoration through tree Planting at Endau Hill, Endau Malalani Ward, Kitui East

GEO-COORDINATES: -1.3095336, 38.5588528



03 / Mutha Ward | Kitui South

Mutha Hill Ecosystem restoration through tree planting, Mutha Ward, Kitui South

GEO-COORDINATES: -1.7946261, 38.4260227



04 / Mutitu Ward | Kitui East

Mutitu Hill Forest ecosystem restoration through tree planting, Mutitu Ward, Kitui East

GEO-COORDINATES: -1.5190235, 37.9007604



05 / Nuu Ward | Mwingi Central

Nuu Hills Forest Ecosystem restoration through tree planting, Nuu Ward, mwingi Central

GEO-COORDINATES: -1.058516, 38.3589222



WATER

SECTOR

The County implemented targeted water infrastructure interventions comprising sumpwell water supply systems, sand dams, sub-surface dams, and pipeline extension projects to address chronic water scarcity and improve reliability of water supply for domestic and

productive uses. These investments were strategically aligned to enhance climate resilience, mitigate drought impacts, and promote sustainable water resource management across Kitui County.



SUMPWELL WATER SUPPLY PROJECTS

Sumpwell Water Supply Systems were established in **Tseikuru, Katse,** and **Kyangwithya West** Wards to deliver reliable, safe water to underserved communities. The systems have significantly reduced dependence on unsafe and season-

al water sources, enhanced climate resilience, and promoted sustainable groundwater abstraction. The intervention directly benefits **over 7,000 people**, improving public health, livelihoods, and long-term water security.

MEASURED OUTCOMES

- 1 Reliable access to clean water for household consumption, livestock, and small-scale irrigation.
- 2 Enhanced adaptive capacity of communities to drought and erratic rainfall patterns.
- 3 Improved public health and sanitation outcomes driven by consistent water availability.

01

KATSE/NGUUKU SUMPWELL



3,000+
BENEFICIARIES



GEO-COORDINATES: -1.5190235, 37.9007604 | MUMONI WARD | MWINGI NORTH

Water supply has been improved, with the over 3,000 beneficiaries, comprising Nguuku town, Nguuku market center and individual household members of the community in the locality



02

KANINGO SUMPWELL



GEO-COORDINATES: -0.2178863, 38.313958 | TSEIKURU WARD | MWINGI NORTH

This sumpwell water supply system is a source of water to schools, Market centers, and health centers among other facilities. It has greatly improved on the water access and supply in Kaningo and the surrounding environs

2,200+
BENEFICIARIES

03

TIVA/IVOVOA SUMPWELL



3,000+
BENEFICIARIES



GEO-COORDINATES: -1.5190235, 37.9007604 | KYANGWITHYA WEST WARD | KITUI CENTRAL

The sumpwell water supply serves institutions like schools and health facilities, market centers and households in the area, who makeup the over 3000 beneficiaries.



GROUND WATER RECHARGE PROJECTS

Surface & Sub-Surface Dams

Sand dams and sub-surface dam systems were constructed in Kauwi, Kyangwithya West, Kisasi, Chuluni, Kanziku Simisi, and Waita Wards to enhance groundwater recharge and retain seasonal river flows. The interventions mit-

igated dry-season water shortages, strengthened climate resilience, and supported ecosystem regeneration while improving livelihoods across beneficiary communities.

Measured Outcomes

- 1 Increased groundwater availability for domestic use, livestock production, and irrigation.
- 2 Reduced vulnerability to prolonged drought conditions and seasonal water stress.
- 3 Stabilisation of local ecosystems through sustained riverbed moisture and vegetation cover.



100%
COMPLETE

400+
BENEFICIARIES



GEO-COORDINATES
-0.750772,
38.1054806



KAMUWONGO KWA KINZA SAND-DAM
WAITA WARD | MWINGI CENTRAL

1 This sand dam has been completed but is yet to be formally handed over to the community. Once operationalised it is expected to support local water access through managed community use.



100%
COMPLETE

1,00+
BENEFICIARIES



GEO-COORDINATES
-0.9948485,
38.0021932



NZEEU-MOSA SUB-SURFACE DAM
KISASI WARD | KITUI CENTRAL

2 The sub-surface dam is successfully recharging the sumpwell that supplies Mosa town and its environs with water, improving its supply and access.



100%
COMPLETE

300+
BENEFICIARIES



GEO-COORDINATES
-1.0675529,
38.1054806



MUVUKO KWA NDUVA SUB-SURFACE-DAM
KANZIKU WARD | KITUI SOUTH

3 the sub surface dam has improved the water levels in the area, recharging the private wells and paving way for a sump well water supply system in the future. This has improved water supply and access to the residents.



100%
COMPLETE

510+
BENEFICIARIES



GEO-COORDINATES
-1.4003019,
37.9529007



MUNYUNI KWA NYAMAI SAND-DAM
CHULUNI WARD | KITUI EAST

4 The sand dam will play a great role in river ecosystem restoration and improving agricultural productivity of the farms surrounding the river through improved water supply



100%
COMPLETE

115+
BENEFICIARIES



GEO-COORDINATES
-1.2392367,
37.903512



KITETI KWA MALOMBE SAND-DAM
KITUI WEST | KAUWI WARD

5 The river is highly degraded and will take several rainy seasons to fill up with sand. The sand dam had a huge backflow, which has caused availability of water downstream for domestic use and livestock watering.



100%
COMPLETE

200+
BENEFICIARIES



GEO-COORDINATES
-1.4003019,
37.9529007



KATOTHYA KWA MWEMA SAND-DAM
KITUI CENTRAL | KYANGWITHYA WEST WARD

6 The river is highly degraded, hence the sand dam will help restore it by amassing sand. In turn, water levels will rise, improving water supply and enhancing restoration of the surrounding ecosystem.



WATER PIPELINE EXTENSION

A pipeline extension project was implemented in **Mutonguni Ward (Kitui West)** through the extension of existing pipelines from Tulia to Kangenge. The intervention expanded water coverage to underserved ar-

reas, strengthened water security, and improved public health outcomes while reinforcing long-term resilience to climate variability to more than **300 beneficiaries**.

Measured Outcomes

- 1 Expanded coverage of clean and reliable water supply to previously underserved communities.
- 2 Reduction in water-borne health risks through improved access to safe water.



Water Kiosk for the Pipeline extension at Tulia Kangenge, Mutonguni Ward, Kitui West



AGRICULTURE

SECTOR



The County implemented integrated agricultural productivity and resilience interventions comprising pasture development, apiculture promotion, and livestock breed improvement to strengthen food security, increase household incomes, and enhance adaptive capacity to

climate shocks. These interventions were designed to transition rural livelihoods from subsistence to sustainable, climate-smart agricultural systems capable of supporting long-term economic stability.



LIVESTOCK BREED IMPROVEMENT DISTRIBUTION OF GALLA BUCKS

The Livestock Breed Improvement intervention involved the empowerment of **eight farmer groups** with **two hundred and forty-eight (248) Galla bucks** in Ngomeni, Ikutha, Zombe, and Voo/Kyamatu Wards. The inter-

vention aimed to strengthen livestock productivity and climate resilience through the introduction of a hardy, drought-tolerant breed suited to arid and semi-arid conditions.

Measured Outcomes

- 1 Improved livestock productivity and herd quality through introduction of a resilient goat breed.
- 2 Enhanced household nutrition and dietary diversity through increased availability of goat products.
- 3 Expanded livelihood options and income opportunities for smallholder farmers.



Geo-Coordinates:-0.6441749, 38.4083779

Empowerment of Community Groups with 62 Galla Bucks in Ikutha Ward, Kitui South Sub-County



Geo-Coordinates:-1.4499331, 38.2343289

Empowerment of Community Groups with 62 Galla Bucks in Zombe/Mwitika Ward, Kitui East Sub-County



Geo-Coordinates:-1.6663456, 38.3239919

Empowerment of Community Groups with 62 Galla Bucks in Voo/Kyamatu Ward, Kitui East Sub-County



Geo-Coordinates:-0.6441749, 38.4083779

Empowerment of Community Groups with 62 Galla Bucks in Ngomeni Ward, Mwingi North Sub-County



APICULTURE DEVELOPMENT

MODERN BEE HIVES DISTRIBUTION & HONEY HARVESTING GEARS

The empowerment of 10 organized beekeeping farmer groups with 1,000 modern bee-hives and honey harvesting gears across Ikutha, Athi, Miambani, Kiomo/Kyethani, and Mwingi Central Wards has strengthened household livelihoods by pro-

viding a sustainable alternative source of income. The intervention has also improved household nutrition and contributed to ecosystem conservation and restoration through enhanced pollination and biodiversity protection.

PRODUCTIVITY AND LIVELIHOOD OUTCOMES

- 1 Increased honey yields and improved product quality for both local and commercial markets.
- 2 Enhanced household incomes through sale of honey, beeswax, and other bee-related products.
- 3 Strengthened forest conservation and biodiversity through pollination services and tree planting.
- 4 Improved climate resilience by diversifying livelihoods and reducing dependence on rain-fed farming.
- 5 Enhanced ecosystem services, including improved soil health and agricultural productivity.



1



Empowerment of Apiculture farmer groups with 200 modern beehives in beehives Ikutha Ward



-2.118842, 38.1354483 | KITUI SOUTH



2



Empowerment of Apiculture farmer groups with 200 modern beehives in Central Ward



-0.9547652, 38.0567539 | MWINGI CENTRAL



3



Empowerment of Apiculture farmer groups with 200 modern beehives in Miambani Ward



-1.2661464, 38.1058138 | KITUI CENTRAL



4



Empowerment Apiculture farmer groups with 200 modern beehives in Kiomo/ Kyethani Ward



-0.9547652, 38.0567539 | MWINGI WEST

5



Empowerment of Apiculture farmer groups with 200 modern beehives in Athi Ward



KITUI SOUTH
-2.1107359, 38.1265972



Empowerment of Bidii Tsavo Bee-keepers group with honey harvesting gears in Iku-tha Ward, Kitui South Sub County



PASTURE DEVELOPMENT

The County implemented a pasture development intervention to **400 farmers** across **ten wards**: Ikutha, Athi, Kanziku/Simisi, Voo/Kyamatu, Zombe/Mwitika, Nzambani, Ngome-ni, Nguni, Nuu, and Waita. The in-

tervention promoted sustainable land management, improved fodder availability, and enhanced livestock productivity under changing climatic conditions.

MEASURED OUTCOMES

- 1 Improved pasture cover and reduced soil erosion through sustainable land management practices.
- 2 Increased availability of quality livestock feed, supporting higher productivity and resilience.
- 3 Enhanced household incomes through sale of surplus pasture and improved livestock products.



Ikutha Ward Pasture Demo Farm

GEO-COORDINATES : -1.0585465, 38.358903

KITUI SOUTH



Kanziku Ward Pasture Demo Farm

GEO-COORDINATES : -1.9801989, 38.3511216

KITUI SOUTH



Pasture farmers training in Nuu Ward

GEO-COORDINATES : -1.0585465, 38.358903

MWINGI CENTRAL



Voo/Kyamatu Ward Pasture Demo Farm

GEO-COORDINATES : -1.6640239, 38.3270598

KITUI EAST



Pasture farmers training in Waita Ward

GEO-COORDINATES : -0.7788528, 38.0945687

MWINGI CENTRAL

HONEY VALUE CHAIN ADDITION

ELECTRICITY CONNECTIVITY

The electricity connectivity project at Kamaki Farmers' Cooperative Society in **Athi Ward, Kitui South**, provides reliable electricity to support mechanised processing, improved

storage, and value addition, reducing losses, lowering costs, and strengthening the cooperative's role in rural economic growth.



Measured Outcomes

1

Improved agro-processing, storage, and value addition capacity at Kamaki Farmers'

2

Cooperative Society Reduced post-harvest losses and enhanced product quality

3

Lower operational costs and increased production efficiency

4

Increased farmer incomes and strengthened market competitiveness

300+
BENEFICIARIES



Grievance Redress Mechanism (GRM)

Kitui County has established a functional GRM under the FLoCA Programme to provide communities and stakeholders with an accessible, transparent, and accountable platform for raising concerns related to climate project implementation.

GRM Structure and Scope



Ward Level Committees

Receive, record, and resolve grievances at community level.



County GRM Committee

Reviews escalated matters and ensures timely county-level resolution.



Grievance Log Books

Record complaints, actions taken, resolutions, and follow-up.



Reporting Channels

Enable communities to report complaints, concerns, and feedback.



Beneficiary Selection

Handles fairness, inclusion, transparency, and eligibility concerns.



Safeguards

Addresses environmental and social safeguard-related issues.



Resource Utilization

Supports accountability in use of project resources and funds.



Community Disputes

Provides a clear process for managing local project disputes.

How the GRM Works

1

Complaint Received

Community members submit complaints, concerns, or feedback through available channels.

2

Recorded at Ward Level

The grievance is entered in the log book for tracking and accountability.

3

Ward Review and Resolution

Ward GRM committees review and attempt to resolve the matter locally.

4

Escalation to County Level

Unresolved matters are escalated to the County GRM Committee for review.

5

Feedback and Accountability

The county ensures timely feedback, transparency, and strengthened public confidence.



CONCLUSION

The successful implementation of CCRIG-I has provided important lessons and demonstrated effective approaches for delivering climate-resilient investments at the community level. These experienc-

es form a strong foundation for future climate action, ensuring that interventions are more targeted, inclusive, impactful, and sustainable.



COUNTY GOVERNMENT OF KITUI

Ministry of Energy, Environment, Forestry, Natural & Mineral Resources

PHYSICAL ADDRESS

County Government of Kitui Headquarters
Township, off Kalawa Road
Tanathi Water Services Board Building
Kitui Town, Kenya

POSTAL ADDRESS

P.O. Box 33 – 90200
Kitui, Kenya

TELEPHONE

+254 759 888 444

EMAIL

info@kitui.go.ke

WEBSITE

www.kitui.go.ke
