



Kenya Climate Smart Agriculture Project (P154784)

EASTERN AND SOUTHERN AFRICA | Kenya | Agriculture and Food Global Practice |
IBRD/IDA | Investment Project Financing | FY 2017 | Seq No: 12 | ARCHIVED on 27-Jun-2022 | ISR51173 |

Implementing Agencies: Kenya Agriculture and Livestock Research Organisation (KALRO), Ministry of Agriculture, Livestock and Fisheries, The National Treasury

Key Dates

Key Project Dates

Bank Approval Date: 09-Feb-2017	Effectiveness Date: 16-May-2017
Planned Mid Term Review Date: 30-Sep-2020	Actual Mid-Term Review Date: 04-Sep-2020
Original Closing Date: 31-Jan-2022	Revised Closing Date: 30-Jun-2023

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To increase agricultural productivity and build resilience to climate change risks in the targeted smallholder farming and pastoral communities in Kenya, and in the event of an Eligible Crisis or Emergency, to provide immediate and effective response.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components Table

Name

- Component 1: Upscaling Climate-Smart Agricultural Practices (US\$163.8 million equivalent, of which IDA US\$150.0 million equivalent):(Cost \$163.80 M)
- Component 2: Strengthening Climate-Smart Agricultural Research and Seed Systems (US\$53.7 million equivalent, of which IDA US\$50.0 million equivalent):(Cost \$38.70 M)
- Component 3: Supporting Agro-weather, Market, Climate, and Advisory Services (US\$32.9 million equivalent, of which IDA US\$30.0 million equivalent):(Cost \$33.63 M)
- Component 4: Project Coordination and Management (US\$29.3 million equivalent, of which IDA US\$20.0 million equivalent):(Cost \$29.80 M)
- Component 5: Contingency Emergency Response (US\$0 million from IDA):(Cost \$13.77 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	□ Satisfactory	□ Satisfactory
Overall Implementation Progress (IP)	□ Satisfactory	□ Satisfactory
Overall Risk Rating	□ Substantial	□ Substantial

Implementation Status and Key Decisions

This ISR is based on the implementation support mission undertaken from April 28 to May 12, 2022. The project was approved by the board in Feb 2017 and became effective in May 2017. A project restructuring was undertaken in October 2020 and is now scheduled to close on June 30, 2023.



The project continues to perform well on the disbursements front with current disbursement at 94.27%. In terms of project results, there are several notable achievements both at the county level and the national level. A total of 677,000 farmers across 24 counties are receiving a range of benefits from input support to access to modern agriculture technologies, innovations and management practices (TIMPs) to access to markets and access a range of agro-weather and market advisories. The sustainability of the project interventions is envisaged through the strengthening of the community institutions namely, the 144 Community Driven Development Committees (CDDCs – One in every project ward) and 204 Producer Organisations (POs- atleast 5 in every project county) that have been established and registered with dedicated bank accounts. These CDDCs and POs are expected to last beyond the project period and ensure that project farmers are able to continue accessing a range of input services, extension and market linkages.
Given the continued good progress since the last implementation support mission across all components both the PDO and IP ratings are being retained as "Satisfactory".

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	Substantial	Substantial	Substantial
Macroeconomic	Moderate	Substantial	Substantial
Sector Strategies and Policies	Moderate	Moderate	Moderate
Technical Design of Project or Program	Moderate	Moderate	Moderate
Institutional Capacity for Implementation and Sustainability	Substantial	Moderate	Moderate
Fiduciary	High	Substantial	Substantial
Environment and Social	Substantial	Moderate	Moderate
Stakeholders	Moderate	Moderate	Moderate
Other	Low	Low	Low
Overall	Substantial	Substantial	Substantial

Results

PDO Indicators by Objectives / Outcomes

To Increase Agricultural Productivity and Build Resilience to Climate Change risks.

► Direct Project Beneficiaries (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	656,448.00	677,000.00	521,500.00
Date	16-May-2017	04-Mar-2022	02-May-2022	31-Jan-2022



▶ Targeted beneficiaries (in CIGs/VMGs) who have adopted at least one TIMP promoted by the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	188,000.00	245,000.00	108,900.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
□ Female Beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	60.00	59.00	45.00
▶ Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	656,448.00	677,000.00	521,500.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
□ County Investment (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	206,800.00	205,000.00	240,000.00
Date	31-Oct-2016	06-Sep-2021	02-May-2022	31-Jan-2022
□ PPP (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	113,200.00	131,000.00	100,000.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
□ VMGs (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	67,288.00	68,200.00	18,150.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
□ CIG (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	269,160.00	272,800.00	163,350.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022



<input type="checkbox"/> Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	60.00	59.00	45.00
► Increase in productivity of selected agricultural commodities supported by the project (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	13.00	18.00	20.00
Date	31-Oct-2016	07-Mar-2022	10-May-2022	31-Jan-2022
<input type="checkbox"/> Sorghum (Kg/ha) (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,000.00	1,058.00	1,200.00	1,200.00
Date	10-Mar-2021	07-Mar-2022	07-Mar-2022	30-Jun-2023
<input type="checkbox"/> Millet (Kg/ha) (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	900.00	1,375.00	1,050.00	1,075.00
Date	31-Oct-2016	07-Mar-2022	07-Mar-2022	30-Jun-2023
<input type="checkbox"/> Cassava (kg/ha) (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	5,000.00	4,500.00	5,900.00	6,000.00
Date	31-Oct-2016	07-Mar-2022	10-May-2022	30-Jun-2023
<input type="checkbox"/> Dairy (liters of milk/female/lactation period) (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,500.00	6,000.00	1,800.00	1,800.00
Date	31-Oct-2016	07-Mar-2022	10-May-2022	30-Jun-2023
<input type="checkbox"/> Aquaculture (tons/ha) (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,200.00	1,300.00	1,400.00	1,440.00
Date	31-Oct-2016	07-Mar-2022	10-May-2022	30-Jun-2023

Overall Comments



All PDO indicators are in track to be achieved

Intermediate Results Indicators by Components

Component 1: Upscaling Climate-Smart Agricultural Practices (US\$163.8 million equivalent, of which IDA US\$150.0 million equivalent)				
▶ Client-days of training provided on TIMPs, share of which female (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	837,000.00	837,000.00	907,500.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
□ Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	57.00	57.00	45.00
▶ Beneficiaries satisfied with relevance, timeliness and effectiveness of TIMP advisory services received (disaggregated by gender) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	30.00	85.00	85.00	70.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
Comments:	Beneficiaries survey will be conducted in March 2021 post which the results will be shared			
▶ Grants approved for CIGs, VMGs, PPPs and counties (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	10,000.00	10,430.00	6,177.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
□ Of which successfully completed (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	50.00	0.00	100.00
□ PPPs (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	62.00	68.00	40.00



Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
□ Counties (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	204.00	201.00	87.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
□ VMGs (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,000.00	2,080.00	1,100.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
□ CIGs (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	8,000.00	8,081.00	4,950.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
▶ Reduced net GHG emissions per unit (kilogram) of product produced for selected agricultural commodities: (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	-15.00
Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022
□ Dairy (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	176.00	0.00	0.00	149.60
Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022
□ Cassava (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.18	0.00	0.00	0.15
Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022
□ Millet (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.99	0.00	0.00	0.84
Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022
<input type="checkbox"/> Sorghum (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.89	0.00	0.00	0.76
Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022
► Productive assets brought under TIMPs as a result of the project (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	34,669.00	35,343.00	600,000.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	30-Jun-2023
<input type="checkbox"/> Head of livestock (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,000,000.00	5,000,000.00	58,500,000.00
<input type="checkbox"/> Total land area (Hectare(Ha), Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	34,669.00	35,343.00	600,000.00

Component 2: Strengthening Climate-Smart Agricultural Research and Seed Systems (US\$53.7 million equivalent, of which IDA US\$50.0 million equivalent)

► Farmers participating in on-farm TIMP trials, share of which female (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4,749.00	20,652.00	1,440.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022

Female (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	56.00	60.00	45.00

► TIMPs tested through on-farm trials, share of which validated. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
--	----------	-------------------	------------------	------------



Value	0.00	245.00	252.00	360.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
<input type="checkbox"/> Share of which validated (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	55.00	56.00	25.00
► Increased production of climate-smart agriculture inputs by seed and breed stock producers supported by the project (Metric ton, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,078.00	3,479.00	255.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
<input type="checkbox"/> Livestock parent stocks (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	9,000.00	9,000.00	1,320.00
<input type="checkbox"/> Certified seed (Metric ton, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	750.00	2,385.00	210.00
<input type="checkbox"/> Early generation seed (Metric ton, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	328.00	329.00	45.00
► Post-graduate degree and short-term technical training completed, share of which completed by women (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	172.00	545.00	635.00
Date	31-Oct-2016	08-Sep-2020	31-May-2022	31-Jan-2022
<input type="checkbox"/> PhD Degrees (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	76.00	75.00	13.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
<input type="checkbox"/> Share of which female (Percentage, Custom Supplement)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	36.00	36.00	40.00
<input type="checkbox"/> Short-term training (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	374.00	374.00	580.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
<input type="checkbox"/> Share of which female (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	80.00	30.00
<input type="checkbox"/> MSc Degrees (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	96.00	96.00	42.00
Date	31-Oct-2016	07-Mar-2022	07-Mar-2022	31-Jan-2022
<input type="checkbox"/> Share of which female (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	37.00	37.00	50.00

Component 3: Supporting Agro-weather, Market, Climate, and Advisory Services (US\$32.9 million equivalent, of which IDA US\$30.0 million equivalent)

► Users receiving integrated agro-weather information and market information services, share of which female (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	142,800.00	1,200,000.00	4,800,000.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022
<input type="checkbox"/> Share of which female (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	47.00	39.00	50.00
► New and refurbished agro-, automatic weather stations and hydro-meteorological facilities (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	165.00	179.00	198.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022

Component 4: Project Coordination and Management (US\$29.3 million equivalent, of which IDA US\$20.0 million equivalent)

► Grievances registered related to delivery of project benefits addressed (%) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	98.00	100.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022

► Satisfactory quarterly project interim financial and monitoring reports submitted within 45 days of end of the previous period (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	31-Oct-2016	07-Mar-2022	02-May-2022	31-Jan-2022

Component 5: Contingency Emergency Response Project

► Number of Counties that were covered through either surveillance or control operations against the locust attack (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	20.00	20.00	20.00
Date	01-Oct-2020	07-Mar-2022	07-Mar-2022	31-Jan-2021

Overall Comments

All intermediate indicators except for the below three are on track to be fully achieved. For some of the indicators, the project will likely surpass the end target as well.

Please see below detailed explanation on the three intermediate indicators where the project is lagging behind

1. Reduced net GHG emissions per unit (kilogram) of product produced for selected agricultural commodities - This is the only indicator for which the project has not yet reported the progress. This is due to the fact that project could not find the appropriate expertise to undertake this tracking. The project has now identified these experts and will report on the results by September 2022.
2. Users receiving integrated agro - weather information and market information services (Number) : The project is at 30% achievement currently. During the mission, discussions were held and a clear action plan has been developed on scaling up the access to users.
3. Productive assets brought under TIMPs as a result of the project : While project is on track to achieve the target in terms of the number of livestock, it is lagging behind the target in terms of the acreage. With the increase in adoption of TIMPs, the achievement is likely to go up in the next 6 months significantly.



Performance-Based Conditions

Data on Financial Performance

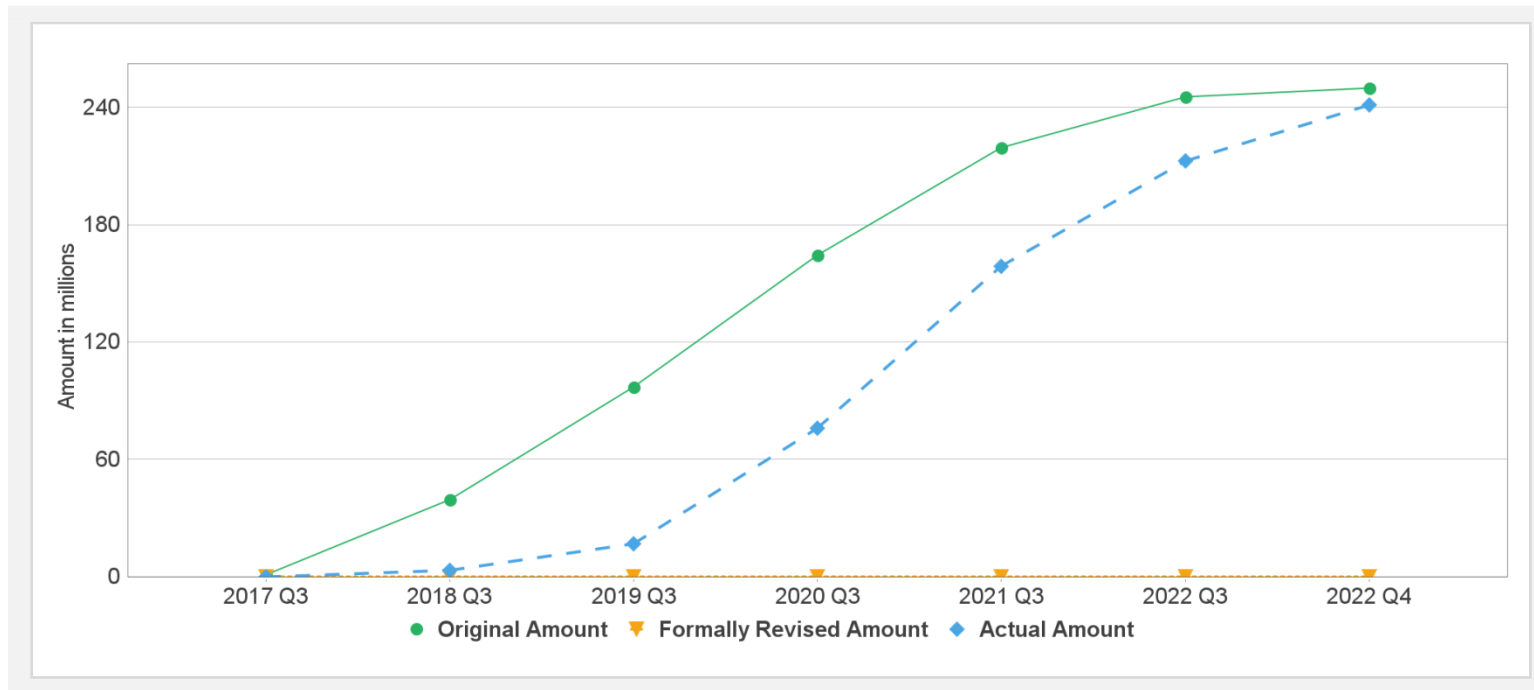
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P154784	IDA-59450	Effective	USD	250.00	250.00	0.00	241.34	14.68	94%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P154784	IDA-59450	Effective	09-Feb-2017	07-Apr-2017	16-May-2017	31-Jan-2022	30-Jun-2023

Cumulative Disbursements



Restructuring History

Level 2 Approved on 11-Jun-2020 ,Level 2 Approved on 02-Dec-2020

Related Project(s)



There are no related projects.
