



## Irrigation and Land Market Development Project (P133828)

EUROPE AND CENTRAL ASIA | Georgia | Water Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2014 | Seq No: 17 | ARCHIVED on 03-Nov-2022 | ISR53245 |

Implementing Agencies: Ministry of Environment Protection and Agriculture, Ministry of Justice, National Agency of Public Registry (NAPR), Public Debt Management Department, Ministry of Finance of Georgia

**Key Dates****Key Project Dates**

Bank Approval Date: 23-May-2014

Effectiveness Date: 13-Mar-2015

Planned Mid Term Review Date: 03-Jul-2017

Actual Mid-Term Review Date: 03-Aug-2017

Original Closing Date: 31-Jul-2019

Revised Closing Date: 30-Sep-2023

**Project Development Objectives**

Project Development Objective (from Project Appraisal Document)

The Project Development Objective is to (i) improve delivery of irrigation and drainage services in selected areas and (ii) develop improved policies and procedures as a basis for a national program of land registration.

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

Yes

Board Approved Revised Project Development Objective (If project is formally restructured)

The Project Development Objectives are to: (a) improve delivery of the irrigation and drainage services in selected areas; and (b) develop improved policies, procedures, and systems as a basis for a national land management program.

**Components Table**

Name

Component 1 Irrigation and Drainage Improvement:(Cost \$54.85 M)

Component 2 Land Market Development:(Cost \$12.56 M)

Component 3 Project Management:(Cost \$3.02 M)

**Overall Ratings**

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

**Implementation Status and Key Decisions**

The Project has been extended by one year, until September 30, 2023. The rehabilitation and modernization works on the first part of the Kvemo Samgori (lot 1) are almost completed. It was decided to increase the area rehabilitated by adding an adjacent area of 1,500 hectares, also with pressurized irrigation, but with a separate river intake. Following the redesign at Zeda Ru irrigation scheme, the works are about to resume.



All of the activities related to the scale up of Systematic Land Registration (SLR) (70% of targets achieved) and upgrade of the NAPR IT System are on track. The entire irrigated area that has benefited from the Project is covered by SLR, which is a useful instrument to integrate land dynamics into irrigation management decisions.

## Risks

### Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Macroeconomic	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Sector Strategies and Policies	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Technical Design of Project or Program	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Institutional Capacity for Implementation and Sustainability	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Fiduciary	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Environment and Social	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Stakeholders	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Other	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Overall	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

## Results

### PDO Indicators by Objectives / Outcomes

To improve delivery of irrigation and drainage services in selected areas				
▶ Area provided with irrigation and drainage services (ha) (Hectare(Ha), Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	17,400.00	17,400.00	17,400.00
Date	23-May-2014	31-May-2022	30-Sep-2022	30-Sep-2023
□ Area provided with irrigation and drainage services - Improved (ha) (Hectare(Ha), Corporate Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	14,500.00	14,500.00	14,500.00



Date	23-May-2014	31-May-2022	30-Sep-2022	30-Sep-2023
□ Area provided with irrigation and drainage services – New (ha) (Hectare(Ha), Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,900.00	2,900.00	2,900.00
▶ Area supplied with optimal irrigation delivery conditions (Hectare(Ha)) (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,650.00	3,032.00	8,750.00
Date	30-May-2022	31-May-2022	30-Sep-2022	30-Sep-2023
▶ Irrigated area per unit of water supplied for Kwemo Samgori (KS) irrigation scheme (m2/m3, Custom)" (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.57 m2/m3	1.48 m2/m3	1.46 m2/m3	1.63 m2/m3
Date	31-May-2022	31-May-2022	31-May-2022	30-Sep-2023
Comments:	The value is slightly smaller than that of last irrigation season. It probably results from the fact that a small number of hydrants were not fully functional.			
▶ Irrigated area per unit of water supplied for Zeda Ru (ZR) irrigation scheme (m2/m3, Custom) (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.79 m2/m3	.71 m2/m3	0.48 m2/m3	0.93 m2/m3
Date	31-May-2022	31-May-2022	30-Sep-2022	30-Sep-2023
Comments:	The current value actually captures the situation during the 2022 irrigation. It is lower than the previous one because GA made some hydraulic tests of the main canal that resulted in using it at its maximum capacity for a longer time than what is actually needed.			

To develop improved policies, procedures and systems as a basis for national land management program

▶ Preparation and implementation of policies, procedures for systematic land registration and NAPR IT system upgrade (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	The corpus of registration regulations and procedures in place	In progress, the newly adopted policies (including responsibility of NAPR for the whole chain of the SLR process) and their implementation procedures (including	The procedures developed for SLR are now also applicable to the sporadic registrations. This enables to harmonize and simplify software functionalities	Prepared and implemented policies and procedures for systematic registration and upgraded NAPR IT system.



		<p>fully digitalized SLR process currently ongoing using “Electronic Minutes” application) are currently being implemented in the irrigation areas under ILMDP since July 2020, and across the Country in the frame of the National Systematic Land Registration Program since January 2022 . The recommended policies and procedures (legislative package) approved and entered in force since January 1 2020.</p> <p>IT System upgrade is in progress ( IT infrastructure assessment report is completed, the Business Analysis Consultants continue their activities, the “in-house” team participating in the system design and implementation completed several trainings enabling them to conduct IT System upgrade in Agile way) . National Agency for Sustainable Land Management and Land Use Monitoring is established under MEPA and started operations since January 1, 2020.</p>	<p>supporting the registration process. The Electronic Minutes software supporting SLR process has been developed and is currently used, however the registration functionalities are yet to be fully automated.</p>	
Date	23-May-2014	31-May-2022	30-Sep-2022	30-Sep-2023
Comments:	<p>Based on the land reform results, the analysis of the systematic land registration (SLR) process and data from 12 pilot areas, NAPR together with the Ministry of Justice, prepared a package of recommendations for legislative amendments, which became law from January 01, 2020. The amendments to the law strengthen and streamline SLR procedures, which now are being implemented nationwide as a part of the National Systematic Land Registration Program (NSLRP). One of the major novelties of the law, which intends to significantly boost the speed of the systematic registration process is the transfer of property rights recognition authority from the Local Property Rights Recognition Commissions to the NAPR during the SLR process. The Parliament also authorized NAPR to proceed with implementation of amended SLR procedures in the irrigated areas and now country wide. The survey works have been completed in the irrigation areas by December 31 2021. The fieldworks as part of the NSLRP started in January 2022 and are currently ongoing.</p> <p>In 2019 the Parliament of Georgia has adopted a revised land legislation- Law of Georgia on “target land designation and sustainable management of agricultural land”, initiating the resumption of the land inventory process ceased in 2004. According to the new law, the LEPL National Agency for Sustainable Land Management and Land Use Monitoring (LM Agency) is established under MEPA and started operations since January 1, 2020. The agency is responsible, inter alia: for inventory of agricultural land resources, production of land balance report, and creation of land information system. Currently LM Agency started preparation of the by-law entitled “Rules and Procedures for the Development of an Agricultural Land Resources Inventory and Annual Land Balance Report.” This by-law is expected to further improve land management and accounting practices in Georgia.</p>			



--

**Intermediate Results Indicators by Components**

Component 1 Irrigation and Drainage Improvement				
<b>▶ Landowners with access to new and improved irrigation services (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,075.00	1,074.00	7,000.00
Date	23-May-2014	31-May-2022	30-Sep-2022	30-Sep-2023
Comments:	The previous value (2,075) captured the previous definition of the indicator and can therefore not be accounted for. The baseline (for 2014) is zero.			
<b>□ Land owners with access to improved irrigation services – female (Number, Custom Breakdown)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	86.00	635.00	1,300.00
Date	23-May-2016	31-May-2022	30-Sep-2022	30-Sep-2023
<b>▶ National irrigation and drainage strategy prepared and endorsed (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No strategy	National Irrigation strategy prepared and endorsed. National Drainage Strategy (Draft Version) is being prepared.	Target was achieved.	Strategy finalized and endorsed by government
Date	23-May-2014	31-May-2022	30-Sep-2022	30-Sep-2023
<b>▶ Readiness of proposed program for Reservoir Rehabilitation &amp; Construction (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	31-Oct-2019	31-May-2022	30-Sep-2022	30-Sep-2023
Comments:	The feasibility assessment is broken down into three consecutive phases: 1. preliminary assessment – to be implemented from quarter III, 2021 through quarter I, 2022. 2. technical investigation - to be implemented from a quarter I, 2022 through quarter III, 2022 3. final assessment – the timeframe of the project limits implementation of this phase within the scope of the current project. The preliminary assessment has been completed.			



► Strengthening of the National Agency for Sustainable Land Management and Land Use Monitoring (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Tender documents for the announcement of expression of interest are prepared; tender was announced on October 7, 2021 to identify and select an international consultant to prepare a concept paper on establishment and integration of the database on land resources	To build a capacity within MEPA Land Management Agency (LMA) a consultancy has been engaged to identify the gaps and propose a series of actions to be implemented to enable LMA to fulfil its responsibilities. The procurement of IT equipment to capacitate LMA staff is about to be completed. Therefore it is expected that LMA will initiate an organization and update of the existing spatial data supporting production of the Land Balance report in the near future.	An international consultant prepared a concept paper on land information system design and implementation under LMA. The concept has been endorsed in the workshop organized for MEPA with involvement of other stakeholders in October 2022. Moreover LMA restarted the updated of the land balance database using equipment procured under the Project.	Spatial land use and land management information updated and used for policy analysis
Date	30-Apr-2022	31-May-2022	30-Sep-2022	30-Sep-2023
Comments:	An international consultant prepared a concept paper on land information system design and implementation under LMA. The concept has been endorsed in the workshop organized for MEPA with involvement of other stakeholders in October 2022. Moreover LMA restarted the updated of the land balance database using equipment procured under the Project.			
► Water User Organization Support Units established and operational (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	3.00	3.00
Date	31-May-2022	30-May-2022	30-Sep-2022	30-Sep-2023
Comments:	One support unit established at a central level and 2 support units established at a regional in targeted schemes. The personnel for the units are recruited, contracted and trained. Budgetary resources allocated			
► Farmer Initiative Groups (FIGs) formed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	8.00	8.00
Date	31-May-2022	30-May-2022	30-Sep-2022	30-Sep-2023
Comments:	Farmer Initiative groups are formed 5 – in Zeda Ru and 3 – on Kvemo Samgori..			
Component 2 Land Market Development				



▶ Land parcels with use or ownership rights recorded in pilot areas (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	50,600.00	107,644.00	125,772.00	178,000.00
Date	30-Sep-2020	31-May-2022	30-Sep-2022	30-Sep-2023
Comments:	The indicator is currently partially achieved by 70% taking into account adjusted baseline and non-modified target value. The additional parcels come mostly from the recently added irrigation areas, though many newly surveyed parcels in the irrigation areas, predominantly in the State ownership are still going through the registration process.			
▶ Target population with use or ownership rights recorded as a result of the Project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	44,650.00	65,538.00	68,000.00
Date	23-May-2014	31-May-2022	30-Sep-2022	30-Sep-2023
Comments:	The indicator is substantially achieved by 97 percent.			
☐ Target population (females) with land use of ownership rights recorded as a result of the Project (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	21,251.00	31,558.00	30,600.00
Date	23-May-2014	31-May-2022	30-Sep-2022	30-Sep-2023
▶ Complaints received as a result of the systematic registration process and resolved (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	99.94	99.96	99.97	99.95
Date	31-Oct-2019	31-May-2022	30-Sep-2022	30-Sep-2023
▶ IT System Design Completion (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	84.00	91.50	100.00
Date	18-Nov-2019	31-May-2022	30-Sep-2022	30-Sep-2023
Comments:	The NAPR substantially completed the IT System design by nearly 92 percent.			
▶ Target land area with use or ownership rights recorded as a result of the Project (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	84,052.00	90,058.00	180,000.00
Date	23-May-2014	31-May-2022	30-Sep-2022	30-Sep-2023
Comments:	NAPR adjusted their tools for calculation of the project areas covered by SLR activities. The PIU reported results using this new tool starting from April 2021. Currently most of the outstanding registrations correspond to the parcels in the State property, i.e. pastures, bigger farms, forests etc. therefore it is expected that their size would be significantly bigger than average size of the parcels in private ownership.			
<b>► Land parcels surveyed in selected areas during nation-wide systematic land registration program (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	30,000.00	88,441.00	270,000.00
Date	30-May-2022	31-May-2022	30-Sep-2022	30-Sep-2023
Comments:	The indicator has been partially achieved by 30 percent and surveying works are ongoing across the country in the frame of the National Systematic Land Registration Program co-financed by the Project.			
<b>► ICT Upgrade and Software Development (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	56.00	60.00	100.00
Date	31-May-2022	31-May-2022	30-Sep-2022	30-Sep-2023
Comments:	The ICT System upgrade is ongoing and has been partially completed by 60 percent. The development and deployment pace should accelerate to complete all the remaining functionalities before Project Closing date.			

## Performance-Based Conditions

### Data on Financial Performance

#### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P133828	IBRD-90430	Effective	USD	20.40	20.40	0.00	9.42	10.85	46%
P133828	IDA-54560	Effective	USD	50.00	50.00	0.00	41.68	3.28	93%

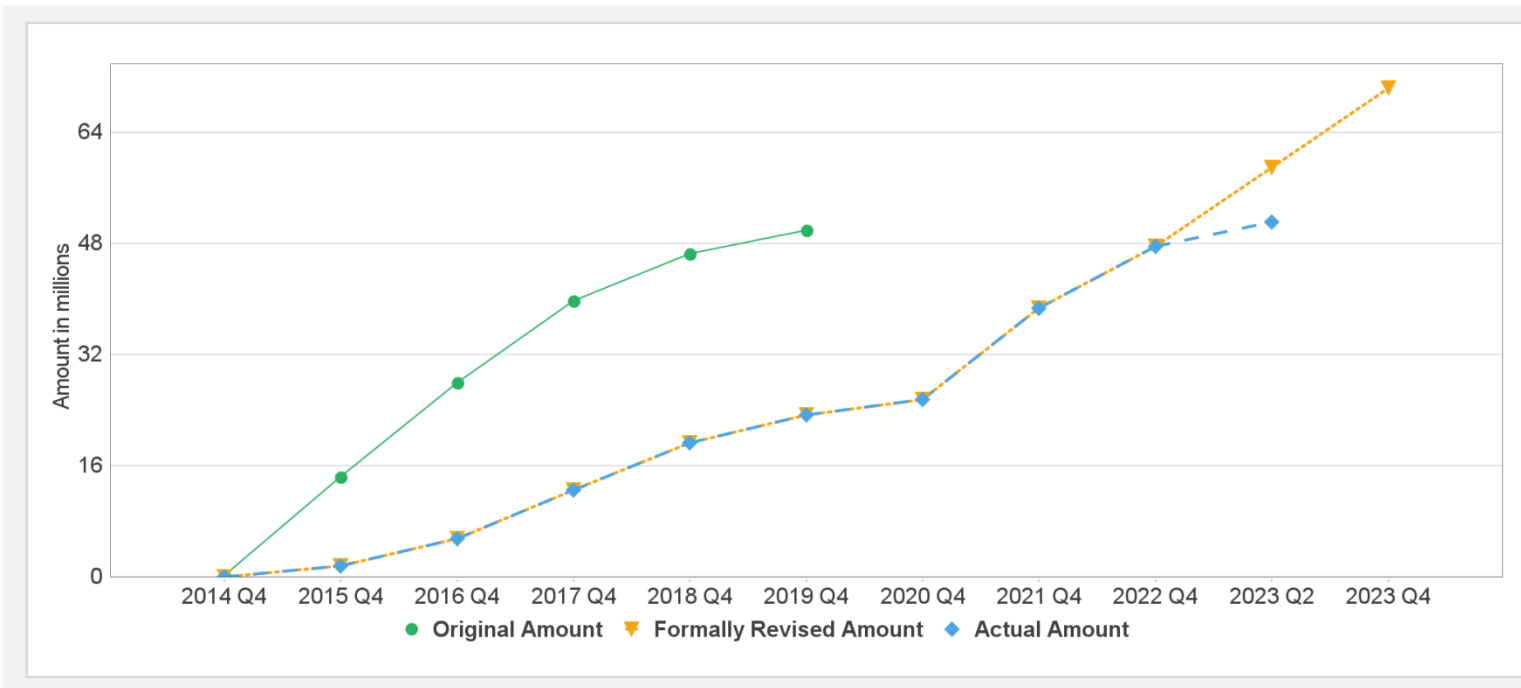
#### Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P133828	IBRD-90430	Effective	20-Feb-2020	30-Mar-2020	21-May-2020	30-Sep-2022	30-Sep-2023
P133828	IDA-54560	Effective	23-May-2014	21-Nov-2014	13-Mar-2015	31-Jul-2019	30-Sep-2023





### Cumulative Disbursements



### Restructuring History

Level 2 Approved on 07-Jun-2018 ,Level 2 Approved on 21-Sep-2022

### Related Project(s)

P171796-Additional Financing for Irrigation and Land Market Development Project