



Turkey Resilient Landscape Integration Project (TULIP) (P172562)

EUROPE AND CENTRAL ASIA | Turkiye | Environment, Natural Resources & the Blue Economy Global Practice | IBRD/IDA | Investment Project Financing | FY 2021 | Seq No: 5 | ARCHIVED on 25-Apr-2023 | ISR55049 |

Implementing Agencies: General Directorate of Agricultural Reform (TRGM), General Directorate of Forestry (OGM), General Directorate of Highways (KGM), Republic of Turkey, State Hydraulic Works (DSI)

Key Dates**Key Project Dates**

Bank Approval Date: 09-Jun-2021

Effectiveness Date: 08-Nov-2021

Planned Mid Term Review Date: --

Actual Mid-Term Review Date:

Original Closing Date: 31-May-2028

Revised Closing Date: 31-May-2028

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to strengthen integrated landscape management and increase access to improved livelihood opportunities and resilient infrastructure services for rural communities in targeted areas of Turkey.

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

No

Components Table

Name

Component 1: Investments in Resilient Landscape Integration in targeted areas:(Cost \$127.51 M)

Component 2: Institutional Framework, Project Management, and Sustainability:(Cost \$7.49 M)

Overall Ratings

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

Implementation Status and Key Decisions

The Project delivered its first results on the ground in 2022 with 1,306 hectares of land area with sustainable landscape management practices implemented, several farmers reached with agricultural assets and/or services and adopting improved agricultural technologies, and trainings for agency staff delivered, based on subprojects implemented by OGM and TRGM. All additional external expert support on fiduciary and environmental & social matters have been hired within the Project Coordination Unit and Regional Support Teams in the Bolaman and Cekerek basins. The 2023 Annual Workplan and Budget has been prepared based on the approved Annual Investment Plan. KGM is expected to initiate the construction works of the road rehabilitation subprojects in Bolaman in 2023. Critical aspects still pending are the tendering of the Microcatchment Plans and Integrated Landscape Management Plans, finalization of technical preparation studies, environmental and social documents for civil works planned by DSI and KGM, and finalization of the project M&E plan including the baseline report and beneficiary surveys.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

to strengthen integrated landscape management				
▶ Land area under sustainable landscape management practices (Hectare(Ha), Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	1,306.00	150,000.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	These are the first results reported by the project regarding land area under sustainable landscape management practices, as a result of the subprojects implemented by TRGM by the end of 2022 in the Cekerek basin (increasing quality and yield in crop cultivation including Hungarian vetch, alfalfa, barley, and wheat seeds).			
▶ National Strategy for Resilient Landscape Integration developed (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes



Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	30-Jun-2022
Comments:	This indicator will measure the development of a National Strategy for Resilient Landscape Integration in lagging rural areas and its submission for adoption by the relevant authorities. An advanced draft strategy has been prepared and the final draft is pending to be submitted to SBO for approval.			

to increase access to improved livelihood opportunities for rural communities in targeted areas

► Poor households benefitting from improved livelihood opportunities supported by the project (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	13,000.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	This indicator measures the number of poor households (based on a targeting strategy) who directly benefited from the project through the following alternative income-generating initiatives: (i) Livestock production ; (ii) Crop production; (iii) Timber and Non-timber Forest Products production; (iv) Value chain enhancements; (v) Ecotourism/recreational activities; (vi) Fuelwood alternatives; (vii) other alternative income opportunities			

increase access to resilient infrastructure services for rural communities in targeted areas

► People provided with access to resilient infrastructure services included in an integrated NRM plan (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	90,000.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	This indicator measures the number of people that directly benefited from access to resilient infrastructure services supported by the project. It is composed by supplementary indicators for each type of infrastructure supported by the project, including: (i) flood and landslides protection; (ii) drinking water sources; (iii) irrigation; (iv) roads.			

☐ People provided with access to protection against flooding and/or landslides (Number, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	23,000.00

☐ People provided with access to improved water sources (Number, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	18,000.00

☐ People provided with access to improved irrigation schemes (Number, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4,000.00



☐ People provided with access to rural roads rehabilitated for climate and disaster resilience (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	45,000.00

Intermediate Results Indicators by Components

Component 1.1 Green Infrastructure and Sustainable Livelihoods				
▶ Reduction of soil erosion (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	01-Jul-2021	14-Oct-2022	14-Oct-2022	26-May-2028
Comments:	This indicator measures the reduction of soil erosion in the project intervention areas at the basin level. The baseline value for soil erosion in the Bolaman basin is 2.87tons/ha/year and in the Cekerek basin is 3.94 tons/ha/year, as provided by OGM and estimated through GIS (DEMIS system). No measurement has taken place since the baseline as activities have not yet started. OGM is currently evaluating the methods to be used with the Bank's technical support.			
▶ Reduction of fuelwood use (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30.00
Date	01-Jul-2021	14-Oct-2022	14-Oct-2022	26-May-2028
Comments:	This indicator measures the decrease in the amount of fuelwood consumption by project beneficiaries to meet their heating and cooking needs. The baseline value for average annual household fuelwood use in the Bolaman and Cekerek basins is 10 m3/year. No measurement has taken place since the baseline value was estimated as activities have not yet started.			
▶ Farmers adopting improved agricultural technology (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	1,022.00	6,000.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	These are the first farmers adopting improved agricultural technologies under the project, as a result of the subprojects implemented by TRGM by the end of 2022 in the Cekerek basin (increasing quality and yield in crop cultivation including Hungarian vetch, alfalfa, barley, and wheat seeds).			
☐ Farmers adopting improved agricultural technology - Female (Number, Corporate Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	0.00	42.00	1,000.00
<input type="checkbox"/> Farmers adopting improved agricultural technology - male (Number, Corporate Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	980.00	5,000.00
<input checked="" type="checkbox"/> Farmers reached with agricultural assets or services (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	1,022.00	15,000.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	These are the first farmers reached with agricultural assets or services by the project, as a result of the subprojects implemented by TRGM by the end of 2022 in the Cekerek basin (increasing quality and yield in crop cultivation including Hungarian vetch, alfalfa, barley, and wheat seeds).			
<input type="checkbox"/> Farmers reached with agricultural assets or services - Female (Number, Corporate Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	42.00	2,300.00
<input checked="" type="checkbox"/> Number of female owned businesses or associations supported by the Project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	150.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	This indicator measures the number of female led or owned businesses or associations financially and technically supported by the Project to increase access to improved livelihoods.			
<input checked="" type="checkbox"/> Number of jobs created through green infrastructure and sustainable livelihood activities (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4,000.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	This indicator measures the number of direct and indirect jobs (full-time equivalents) created by the project through green infrastructure (afforestation, pasture improvement, erosion and flood control works, construction of recreation areas, etc.) and improved livelihoods (livestock/crop production, irrigation and related value chain enhancements) activities.			

Component 1.2 Resilient gray infrastructure services included in an integrated NRM plan



► Flood control structures constructed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	18.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	This indicator measures the number of flood and sedimentation control subprojects supported by the Project to protect vulnerable population against flood risk in selected priority locations of the target basins. Planning, environmental and social studies are still ongoing.			
► Storage capacity of safe drinking water (Cubic meters/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2.38
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	This indicator measures the increase in storage capacity of safe drinking water in the target basins through the reservoirs supported by the project. Planning, environmental and social studies are still ongoing			
► Improved irrigation efficiency (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	55.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	This indicator measures the improved efficiency achieved in irrigation schemes achieved through additional storage and new sprinkler and drip systems, averaged over the irrigation subprojects supported by the Project. Planning, environmental and social studies are still ongoing.			
► Resilient roads rehabilitated (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	45.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	This indicator measures the length (kilometers) of roads that are rehabilitated by the project and that have incorporated climate/disaster resilient design standards. Planning, environmental and social studies are still ongoing.			
► Increased vehicle flow (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30.00



Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	This indicator measures the average percentage increase in vehicle flow on the roads rehabilitated by the project as a measure of road improvement to promote economic activities in the project's intervention areas. Planning, environmental and social studies are still ongoing.			
► Infrastructure constructed or rehabilitated with climate and disaster-resilient measures (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	This indicators measures the number of infrastructure subprojects supported by the project that incorporate climate and disaster resilience measures in their design. It will be achieved once civil work subprojects under CComponent 1.2 are completed.			

Component 2. Institutional Framework, Project Management, and Sustainability				
► Integrated Landscape Management Plan and Micro-catchment Plans developed and adopted (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	26.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	28-Jun-2024
Comments:	This indicator measures the number of ILMPs (two) and MCPs (8 in Bolaman and 16 in Cekerek) adopted and implemented in a participatory manner in the project's intervention areas. The tendering of the MCPs in the two basins has begun, while the TOR for the tendering of the ILMPs is still ongoing.			
► Monitoring Information System for Integrated Landscape Management developed and operational (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	This indicator measures the development and operationalization of an online, GIS-based Monitoring Information System (MIS) for key landscape variables in the targeted basins supported by the Project. OGM is conducting a needs analysis to evaluate the requirements of the MIS.			
► People trained on integrated landscape management (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	154.00	2,400.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	The first trainings of the project included technical staff of the IAs: a Project start-up workshop was organized between 16-18 May, 2022 in Antalya for all project staff working in the central and regional			



project implementation units. In addition, the "Elazığ Technical Training Program" was carried out between 31 October - 4 November 2022 with IA staff to examine good practices in the field.				
□ of which are female (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	17.50	30.00
▶ Share of project beneficiaries with rating 'Satisfied' or above with Citizen Engagement process (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	75.00
Date	01-Jul-2021	14-Oct-2022	13-Jan-2023	26-May-2028
Comments:	This indicator measures the satisfaction level of the beneficiaries with the citizen engagement process by the project, disaggregated by gender. The beneficiary satisfaction surveys have not begun yet.			
□ of which are female (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00

Overall Comments

This ISR marks the first results reported by the project.

Performance-Based Conditions

Data on Financial Performance

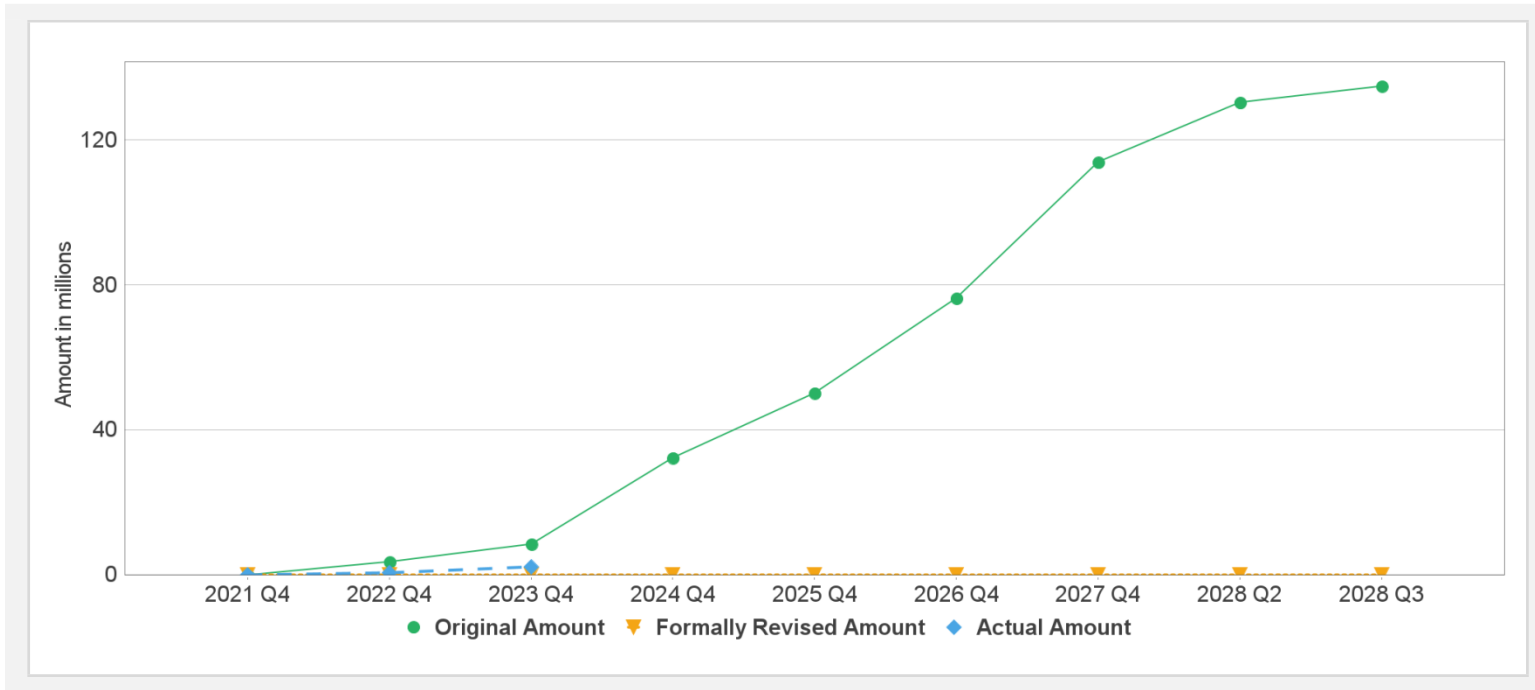
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P172562	IBRD-92720	Effective	USD	135.00	135.00	0.00	2.10	132.58	1.6%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P172562	IBRD-92720	Effective	09-Jun-2021	07-Sep-2021	08-Nov-2021	31-May-2028	31-May-2028

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.