



Stormwater Management and Climate Change Adaptation Project 2 (P175830)

WESTERN AND CENTRAL AFRICA | Senegal | Urban, Resilience and Land Global Practice |
IBRD/IDA | Investment Project Financing | FY 2021 | Seq No: 5 | ARCHIVED on 29-Sep-2023 | ISR57482 |

Implementing Agencies: Municipal Development Agency (Agence de Développement Municipal - ADM), Republic of Senegal

Key Dates

Key Project Dates

Bank Approval Date: 28-May-2021

Effectiveness Date: 11-Aug-2021

Planned Mid Term Review Date: 30-Nov-2023

Actual Mid-Term Review Date:

Original Closing Date: 31-Jul-2026

Revised Closing Date: 31-Jul-2029

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To reduce flood risks in peri-urban areas of Dakar and improve capacity for integrated urban flood risks planning and management for selected cities in Senegal.

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

No

Components Table

Name

Component 1: Integrated urban planning and management accounting for climate risk and sustainability:(Cost \$12.00 M)

Component 2: Drainage investment and management, community engagement, environmental and social management:(Cost \$297.40 M)

Component 3: Contingent emergency response

Component 4: Project management:(Cost \$8.74 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 Development Objective remains extremely relevant to the country's development priorities as progress is expected to be made towards achieving results for the PDO as soon as the civil works progress. The implementation agency ADM is committed to accelerate the procurement and contracting for a rapid delivery of drainage networks. Social facilitation and participatory processes with the beneficiaries are in place to deepen engagement with the community and to ensure community ownership.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Reduced flood risks in peri-urban areas of Dakar				
▶ Area in peri-urban Dakar protected against recurrent flooding through drainage works (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	345.00	570.00	3,600.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	Total areas in hectare protected against a 10-year flood return period (decennial rain above 129mm/day as of the DMP). Calculated by drained surface and underground in all the catchments impacted by the civil works.			
▶ Direct beneficiaries of which female (50%) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	55,000.00	91,129.00	189,000.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029



Comments: This indicator measures number of people, households or groups who directly derive benefits from the project interventions (i.e. flood risk reduction, capacity building, training, sensitization ...) of whom 50% are female beneficiaries.

Improved capacity to plan integrated urban flood risks management				
► Institutional actors in the project intervention areas who have adopted the planning tools for integrated flood risk management (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	350.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures the number of institutional actors (central, decentralized, territorial and local) who have participated in the planning process of integrated flood risk management and have understood how to use the planning tools.			
► The improved planning capacities of integrated flood risk management have allowed to increase the rate of authorized subdivisions to 80% in accordance with validated urban plans in the target areas. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures the percentage of authorized subdivisions that comply with urban planning documents(number of authorized subdivisions compliant / number of authorized subdivisions)*100.			

Intermediate Results Indicators by Components

Integrated urban planning and management accounting for climate risk and sustainability (Number)				
► Planning documents related to urban resilience and sustainability including climate change, validated (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures project performance in developing planning documents integrating appropriate urban area resilience concepts and instruments.			
► Urban Policies related to urban resilience and sustainability including climate change validated (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures project performance in developing policy documents integrating appropriate urban area resilience concepts and instruments.			



► Integrated urban flood risks management tools and guidance notes developed (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	9.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures the project performance to develop and promote flood risk management tools and practices for quality urban and resilience planification at the local and national levels (IEWS, local contingency plans, stormwater management, Nature- based solutions, wetland management, green/smart cities, solid and water waste management, urban mobility etc.) to inform urban policies and planning documents).			
► A stakeholder digital knowledge sharing platform on data related to integrated flood risk management is designed and operational (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures that stakeholders have efficient tools for sharing knowledge.			
► Key stakeholders trained in integrated urban flood risk management, climate change resilience and territorial planning (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	225.00	225.00	750.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures number of municipal and national staff participating in training on sustainable city, integrated urban management, flood management and climate change resilience.			
► Women are consulted and involved in the development of policies, strategies, and plans in local and national level (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	33.00	33.00	50.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures the level of women inclusion in dialogues for development policies, strategies and plans.			
► Capitalization knowledge document developed and disseminated at local and national levels (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes



Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures project performance to promote capitalization of lessons learnt from project experiences.			

Drainage Investment and Management, Community engagement, Environmental and Social Management

► Primary drainage system in Keur Massar/Mbao catchment put in place (Meter(m), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	13,938.00	22,352.00	88,150.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures the total length, in meters, of drainage networks established.			

► Transfer of PROGEP 1 investments to ONAS for the O&M effective (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures the effectiveness of the transfer of the investment works from PROGEP 1 to ONAS for the O&M.			

► Transfer of PROGEP 2 investments to ONAS for the O&M effective (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures the effectiveness of the transfer of the investment works from PROGEP 2 to ONAS for the O&M.			

► Currage rate of drainage channels in areas covered by PROGEP 1 and 2 (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	30.00	100.00	70.00	100.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures resources allocation and execution of the O&M for existing drainage channels in PROGEP 1 and 2 intervention areas.			

► ONAS's Remote Management System for PROGEP 1 and 2 is functional (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
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Value	No	No	No	Yes
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures the performance of the Remote Management System for PROGEP 1 and 2 for the O&M.			
► People reached by information, education and communication strategy in flood risk management and resilience (of which 50 percent women) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	21,670.00	46,109.00	120,000.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures number of individuals (at local and national levels) that participate in any consultation process and/or benefit from a sensitization session on the various themes (climate resilience, sustainable city management, flood preparedness ...) either through workshop or mass media. It includes also participants in consultation activities during project implementation (core indicator).			
► Local flood management committees (COLIGEP) created in Keur Massar/Mbao catchment and strategy for sustainability designed and implemented (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	4.00	6.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures the level of local engagement (citizen and municipalities) in flood prevention and participatory management and the sustainability of the achievements. For each COLIGEP, the project will support the development and implementation of an action plan for the achievement of their mission using the social facilitator firm to provide needed capacity building, training and coaching. As for the PROGEP, each municipality will sign an act to integrate the COLIGEP in the municipality functioning and budget for better sustainability.			
► Women participating in/leading management committees for the COLIGEP (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	30.00	35.00	35.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	This indicator measures the level of endowment of women of leadership role in the management committees for the COLIGEP.			
► Eligible flood risk community investment projects completed in Keur Massar/Mbao catchment (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	7.00	120.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029



Comments:	This indicator measures number of community initiatives which contribute to sustainability of the stormwater drainage infrastructures built under the project and that have been financed and successfully implemented.			
▶ Women trained and engaged in flood risk management works at a community level (EWS, Solid waste management, awareness, education system) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	10,830.00	21,270.00	57,500.00
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	Aggregate number of women and girls engaged in promoting the flood risk management while contributing to the social inclusion process.			
▶ Grievances related to delivery of project addressed (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	54.00	54.00	95.00
Date	26-Feb-2021	15-Dec-2022	15-Dec-2022	31-Jul-2029
Comments:	This indicator measures the operationalization of the Grievances Redressal Mechanism.			

Contingent Emergency Response Component				
▶ CERC manual of procedures is completed (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	26-Feb-2021	15-Dec-2022	27-Jul-2023	31-Jul-2029
Comments:	CERC manual of procedures is available.			

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P175830	IDA-68890	Effective	USD	155.00	155.00	0.00	28.70	114.30	20%
P175830	IDA-73720	Not Effective	USD	80.00	80.00	0.00	0.00	79.67	0%

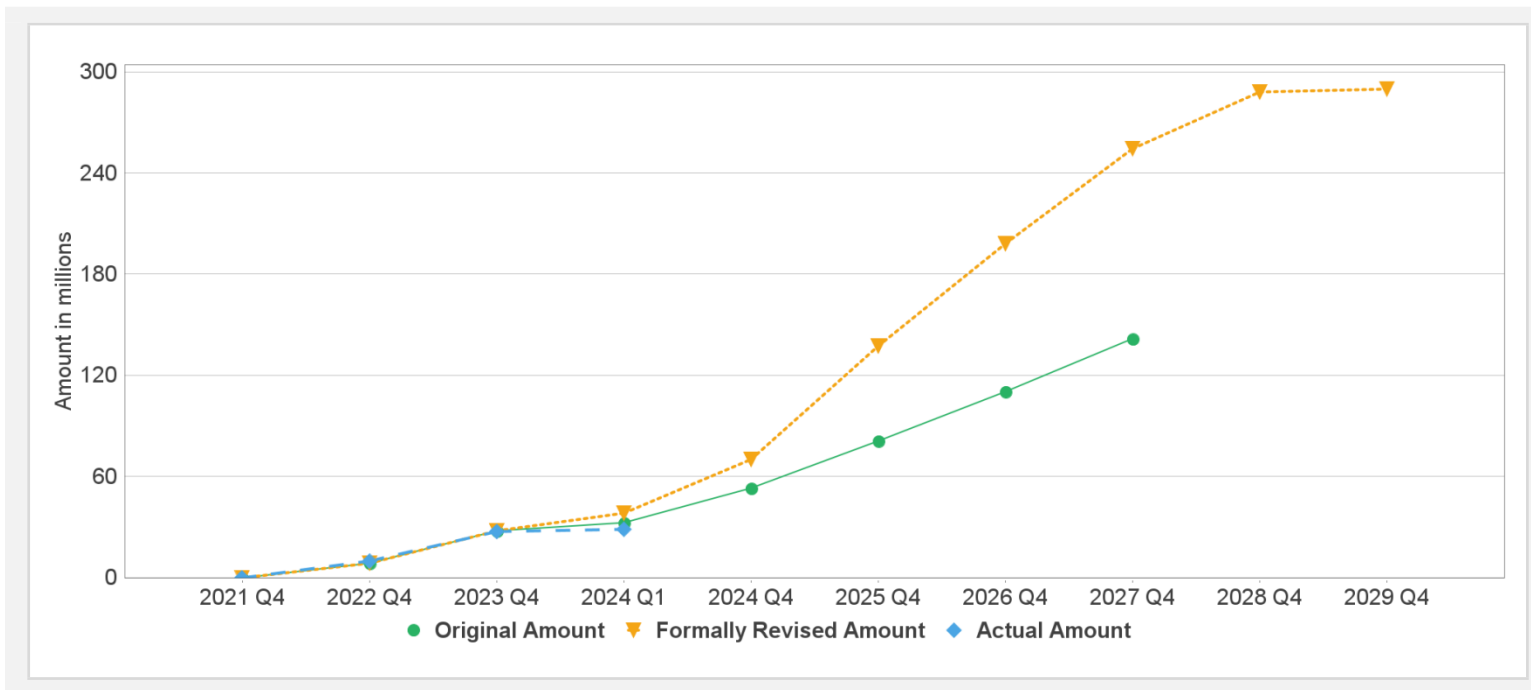


P175830	IDA-73730	Not Effective	USD	55.00	55.00	0.00	0.00	54.75	<div style="width: 50%; height: 15px; background-color: #ccc;"></div>	0%
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Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P175830	IDA-68890	Effective	28-May-2021	04-Jun-2021	11-Aug-2021	31-Jul-2026	31-Jul-2026
P175830	IDA-73720	Not Effective	29-Jun-2023	--	--	31-Jul-2029	31-Jul-2029
P175830	IDA-73730	Not Effective	29-Jun-2023	--	--	31-Jul-2029	31-Jul-2029

Cumulative Disbursements



Restructuring History

Level 2 Approved on 27-Sep-2021

Related Project(s)

P180203-Additional Financing for Stormwater Management and Climate Change Adaptation Project 2