



Strengthening Hydro-Meteorological and Climate Services (P159217)

AFRICA EAST | Congo, Democratic Republic of | Urban, Resilience and Land Global Practice |
Global Environment Project | Investment Project Financing | FY 2017 | Seq No: 9 | ARCHIVED on 23-Dec-2021 | ISR48201 |

Implementing Agencies: Democratic Republic of Congo, National Agency of Meteorology and Teledetection by Satellite (Mettelsat)

Key Dates**Key Project Dates**

Bank Approval Date: 08-Mar-2017

Effectiveness Date: 22-Feb-2018

Planned Mid Term Review Date: 01-Sep-2020

Actual Mid-Term Review Date: 08-Sep-2020

Original Closing Date: 30-Jun-2022

Revised Closing Date: 30-Jun-2022

Project Development Objective (PDO)

Project Development Objective (from Project Appraisal Document)

The proposed Project Development Objective (PDO) is to improve the quality of the Government of the DRC's targeted hydro-meteorological and climate services.

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

No

Components Table

Name

Component A. Institutional and regulatory strengthening, capacity building and implementation support:(Cost \$0.62 M)

Component B. Modernization of equipment, facilities and infrastructure for basic observation and forecasting:(Cost \$5.62 M)

Component C. Improvement of hydromet information service delivery:(Cost \$0.12 M)

Component D. Project Management:(Cost \$1.68 M)

Overall Ratings

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

Implementation Status and Key Decisions

Project implementation has been affected by COVID-19 and recent changes to MettelSat management. The GFDRR Trust Fund was successful closed on August 31, 2020 with a disbursement rate of 96% and the current disbursement of the GEF Trust Fund stands at 72%. It is planned to close on June 30, 2022.

Component A: The implementation of a Quality Management System (QMS) is delayed. Once implemented, it is expected to raise standards and quality control/verification procedures across the institutions in the civil aviation sector. The whole QMS certification process is expected to be effective by March 2022. The project is supporting development of partnerships and standard operating procedures for the provision of services to



socio-economic sectors sensitive to meteorological, hydrological and climatic conditions in the country. Consultants are in the final stages of recruitment to support to the drafting of the meteorology law. This activity is expected to start in January 2022 and terminate before project closing, to provide better legal instruments to regulate the sector. A training program for Mettelsat staff on the use of the procured hydromet equipment is expected to start in January 2022.

Component B: The main project activity regarding installation of hydromet equipment is advancing well. All the stations and software have been delivered to MettelSat in Kinshasa. The installation of synoptic stations at the N'djili airport is complete while the installation of synoptic stations in airports outside Kinshasa is planned for January 2022, with planned end-date February 2022. The flood Early Warning System (EWS) is expected to be operational by March 2022. Training on use of the equipment will continue until project closing.

Component C: The CREWS trust fund, in partnership with WMO, is supporting the establishment of the National Framework for Climate Services, and strategic action plan, which was validated in December 2020. A consultant is developing a monitoring tool for the framework. The open-source climate database (MCH) was installed on MettelSat servers to facilitate project support to entering and safeguarding of historical climate data, which has been stored on paper until now.

Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

To improve the quality of DRC's targeted hydro-meteorological and climate services				
► Implementation of a quality management system applied to the civil aviation sector (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	40.00	100.00
Date	03-Jul-2017	09-Jun-2020	10-Dec-2021	30-Jun-2022
Comments:	The establishment of the QMS has been delayed due to COVID-19 and MettelSat management difficulties. A concerted effort will be required to complete the activity before project closing.			
► Operational observation, forecast and modelling capacities improved (composite index) (Number, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.00	1.00	1.00	3.00
Date	03-Jul-2017	09-Jun-2020	10-Dec-2021	30-Jun-2022
Comments:	Improvements to forecasting depend on the finalization of the QMS, which is delayed, and installation of hydromet equipment, which is progressing well.			
► Implementation of a National Framework for Climate Services (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	75.00	100.00
Date	03-Jul-2017	--	10-Dec-2021	30-Jun-2022
Comments:	The implementation of the NFCS is progressing and final activities are expected to be completed before project closing.			

Intermediate Results Indicators by Components

Component A. Institutional and regulatory strengthening, capacity building and implementation support				
► Number of professionals having participated in trainings (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	22.00	145.00	360.00
Date	03-Jul-2017	09-Jun-2020	10-Dec-2021	30-Jun-2022
Comments:	The training of MettelSat is progressing but reaching the indicator before project closing will require a final push.			
► Number of memorandums of understanding (MoUs) having been developed or revised, with mechanisms for monitoring (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	12.00	13.00
Date	03-Jul-2017	09-Jun-2020	10-Dec-2021	30-Jun-2022
Comments:	12 MoUs have been signed with users of hydromet information and are being strengthened with monitoring mechanisms.			
► Draft national law on meteorological services developed (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	5.00	100.00
Date	03-Jul-2017	--	10-Dec-2021	30-Jun-2022
Comments:	The activity has been on hold pending selection and recruitment of consultants, which is now in the final stage.			
► Elaboration of a business plan for MettelSat (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	--	50.00	100.00
Date	03-Jul-2017	--	10-Dec-2021	30-Jun-2022
Comments:	The elaboration of a business plan has stalled due to lack of management attention to the activity.			
Component B. Modernization of equipment, facilities and infrastructure for basic observation and forecasting				
► Number of stations feeding the central online data platform on time (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	60.00
Date	03-Jul-2017	09-Jun-2020	10-Dec-2021	30-Jun-2022
Comments:	The contract for the acquisition of equipment for the modernization of Mettelsat has been signed. All equipment and software have been delivered to Mettelsat in Kinshasa and the plan for their installation is at an advanced stage, with the first set of stations planned to be installed by January 2022.			
► Number of observations transmitted to WMO's Global Basic Observation Network (GBON) over a period of 6 months (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	14,400.00	--	14,400.00	109,440.00
Date	03-Jul-2017	--	10-Dec-2021	30-Jun-2022
Comments:	The indicator value is expected to increase after finalization of the ongoing installation of hydromet equipment.			
► Number of buildings rehabilitated (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	3.00	3.00
Date	03-Jul-2017	--	10-Dec-2021	30-Jun-2022
Comments:	All building rehabilitation under the project was finalized by July 2020.			
Component C. Improvement of hydromet information service delivery				
► Number of consultations of the online data platform (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5,000.00
Date	03-Jul-2017	09-Jun-2020	10-Dec-2021	30-Jun-2022
Comments:	The online platform is being finalized.			
► Number of hazards for which warning or monitoring forecast bulletins have been produced with sufficient lead-time for preparedness and early response (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.00	1.00	1.00	4.00
Date	03-Jul-2017	09-Jun-2020	09-Jun-2020	30-Jun-2022



▶ Number of user groups having expressed their needs and developed a resulting action plan to address them (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4.00
Date	03-Jul-2017	09-Jun-2020	09-Jun-2020	30-Jun-2022

Performance-Based Conditions

Data on Financial Performance

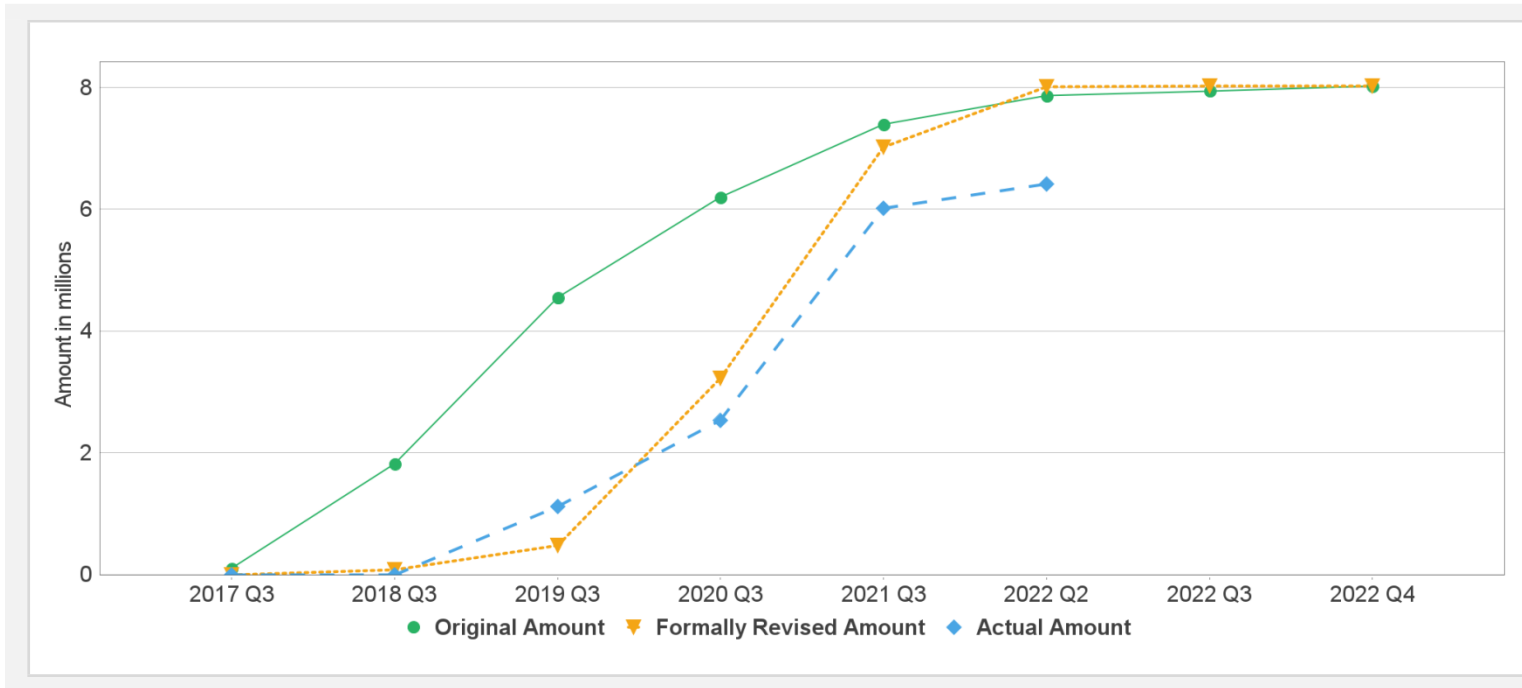
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P159217	TF-A4389	Closed	USD	2.70	2.70	0.00	2.60	0.10	96%
P159217	TF-A4390	Effective	USD	5.33	5.33	0.00	3.82	1.51	72%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P159217	TF-A4389	Closed	07-Feb-2017	19-Apr-2017	22-Feb-2018	31-Dec-2019	31-Aug-2020
P159217	TF-A4390	Effective	07-Feb-2017	19-Apr-2017	22-Feb-2018	30-Jun-2022	30-Jun-2022

Cumulative Disbursements



Restructuring History

Level 2 Approved on 10-Dec-2019 ,Level 2 Approved on 29-May-2020 ,Level Approved on 25-Jun-2020 ,Level 2 Approved on 03-Jun-2021

Related Project(s)

There are no related projects.