



## 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: 8 | ARCHIVED on 24-Jun-2021 | ISR46306 |

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 \$1.58 M)

Component B. Modernization of equipment, facilities and infrastructure for basic observation and forecasting:(Cost \$4.46 M)

Component C. Improvement of hydromet information service delivery:(Cost \$1.27 M)

Component D. Project Management:(Cost \$0.73 M)

**Overall Ratings**

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Unsatisfactory	<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"/> Substantial	<input type="checkbox"/> Substantial

**Implementation Status and Key Decisions**

The project implementation is largely back on track after COVID-19 related perturbation. 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 64%, expected to close by June 30, 2022.

Component A: The implementation of a Quality Management System (QMS) is progressing well, 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 December 2021. The support to the drafting of the Meteorological law is expected to start in the coming months and a training program for Mettelsat staff is expected to be finalized before September 2021.



Component B: In the context of acquisition of meteorological and hydrological equipment, all the stations and software have been delivered to MettelSat in Kinshasa. The installation is ongoing. The flood Early Warning System (EWS) is expected to be operational by March 2022.

Component C: The CREWS trust fund, in partnership with WMO, is supporting the establishment of the National Framework for Climate Services. The validation workshop took place in December 2020 and the strategic action plan was validated.

The project was restructured on June 3, 2021 to adapt the scope of the project activities to the remaining available funds and implementation capacity. The scope of the restructuring also included a modification of the results framework to focus on the activities that have already made good progress, and which will directly contributed to achieving the PDO. In addition, the restructuring reduced the scope of certain activities. More specifically the restructuring resulted in the following main changes: (1)The quality management system (QMS) is limited to the civil aviation sector (one of three areas foreseen at appraisal). (2) The restructured project will provide limited technical assistance to support the elaboration of a draft law on meteorology. (3) The purchase and installation of complementary synoptic stations, the rehabilitation of MettelSat buildings, and the implementation of early warning systems (EWS) are all scaled down.

## Risks

### Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	☐ Substantial	☐ High	☐ High
Macroeconomic	☐ Substantial	☐ High	☐ High
Sector Strategies and Policies	☐ Moderate	☐ Moderate	☐ Substantial
Technical Design of Project or Program	☐ Substantial	☐ Moderate	☐ Moderate
Institutional Capacity for Implementation and Sustainability	☐ Substantial	☐ Substantial	☐ Substantial
Fiduciary	☐ Substantial	☐ Moderate	☐ High
Environment and Social	☐ Moderate	☐ Moderate	☐ Moderate
Stakeholders	☐ Low	☐ Low	☐ Low
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	09-Jun-2020	30-Jun-2022
Comments:	The first QMS is being established and the first document was expected by October 30, 2020, but due to the impact of COVID-19 this activity was delayed and the QMS is now expected to be in place by December 2021.			
► 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	09-Jun-2020	30-Jun-2022
Comments:	Forecasting will be improved with the finalization of the QMS and installation of hydromet equipment being installed.			
<b>► Implementation of a National Framework for Climate Services (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	75.00	100.00
Date	30-Jul-2017	--	30-Apr-2021	30-Jun-2022

### Intermediate Results Indicators by Components

<b>Component A. Institutional and regulatory strengthening, capacity building and implementation support</b>				
<b>► Number of professionals having participated in trainings (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	22.00	22.00	360.00
Date	03-Jul-2017	09-Jun-2020	09-Jun-2020	30-Jun-2022
Comments:	The Cononavirus pandemic has negatively impacted the implementation of this activity. Several trainings planned under the GFDRR have been cancelled. The project is setting up a long-term training roadmap with EAMAC based in Niamey			
<b>► Number of memorandums of understanding (MoUs) having been developed or revised, with mechanisms for monitoring (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	13.00
Date	03-Jul-2017	09-Jun-2020	09-Jun-2020	30-Jun-2022
Comments:	8 MoUs have been signed.			
<b>► Draft national law on meteorological services developed (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	100.00
Date	03-Jul-2017	--	05-Feb-2021	30-Jun-2022
<b>► Elaboration of a business plan for MettelSat (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	50.00	100.00
Date	03-Jul-2017	--	30-Apr-2021	30-Jun-2022



Component B. Modernization of equipment, facilities and infrastructure for basic observation and forecasting				
<b>▶ Number of stations feeding the central online data platform on time (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	60.00
Date	03-Jul-2017	09-Jun-2020	05-Feb-2021	30-Jun-2022
Comments:	The equipment for the modernization of Mettelsat has been delivered and is being installed.			
<b>▶ Number of observations transmitted to WMO's Global Basic Observation Network (GBON) over a period of 6 months (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	14,400.00	--	0.00	109,440.00
Date	03-Jul-2017	--	05-Feb-2021	30-Jun-2022
<b>▶ Number of buildings rehabilitated (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	3.00	3.00
Date	03-Jul-2017	--	05-Feb-2021	30-Jun-2022
Component C. Improvement of hydromet information service delivery				
<b>▶ Number of consultations of the online data platform (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5,000.00
Date	03-Jul-2017	09-Jun-2020	09-Jun-2020	30-Jun-2022
Comments:	The online platform is being finalized.			
<b>▶ Number of hazards for which warning or monitoring forecast bulletins have been produced with sufficient lead-time for preparedness and early response (Number, Custom)</b>				
	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
Comments:	The hazard warnings will be produced based on hydro-met equipment to be procured.			
<b>▶ Number of user groups having expressed their needs and developed a resulting action plan to address them (Number, Custom)</b>				
	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
Comments:	The first consultations have taken place, but action plan is to be developed.			



## Performance-Based Conditions

### Data on Financial Performance

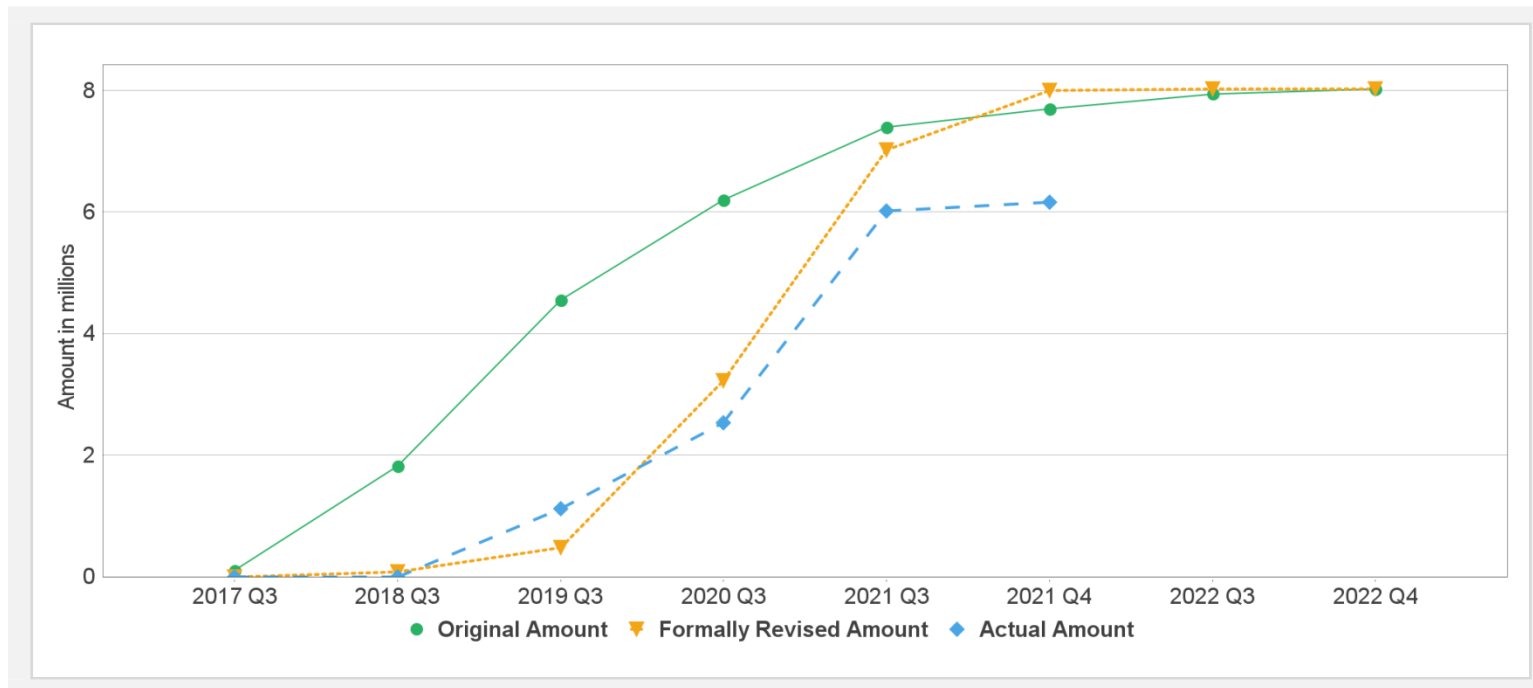
#### Disbursements (by loan)

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	3.57	1.76	67%

#### 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

---

### **Related Project(s)**

There are no related projects.

---