



Improving Climate Data and Information Management (P129633)

LATIN AMERICA AND CARIBBEAN | Jamaica | Environment & Natural Resources Global Practice | Recipient Executed Activities | Investment Project Financing | FY 2016 | Seq No: 5 | ARCHIVED on 27-Dec-2017 | ISR30864 |

Implementing Agencies: Planning Institute of Jamaica, Jamaica

Key Dates

Key Project Dates

Bank Approval Date:28-Jul-2015

Effectiveness Date:14-Dec-2015

Planned Mid Term Review Date:15-May-2018

Actual Mid-Term Review Date:--

Original Closing Date:30-Apr-2021

Revised Closing Date:30-Apr-2021

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to improve the quality and use of climate related data and information for effective planning and action at local and national levels.

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

No

Components

Name

Component 1: Upgrading hydro-meteorological data collection, processing and forecasting systems:(Cost \$4.01 M)

Component 2 : Climate Resilient Planning and Hydro-meteorological Information Services:(Cost \$1.39 M)

Component 3 : Climate Change Education, Awareness and Behavior Change:(Cost \$0.72 M)

Component 4 : Project Management, Monitoring and Evaluation:(Cost \$0.68 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Satisfactory	● Moderately Satisfactory
Overall Implementation Progress (IP)	● Satisfactory	● Moderately Satisfactory
Overall Risk Rating	● Moderate	● Moderate



Implementation Status and Key Decisions

Overall progress of the project activities and the project management during July-December 2017 has been moderately satisfactory.

As of this ISR, the Project disbursed 16% of the grant, committed an additional of 7%, and expects another 11% will be committed in the next 6 months. Most of the weather and hydrological monitoring equipment have been procured and half of the target locations have already been installed and operational. However, procurement of the weather Doppler radar is lagging behind. Updating the downscaled high resolution climate change scenarios and producing the State of the Jamaican Climate 2015—a major report to be a basis for policy making—has been completed and will be launched in January 2018. Several awareness raising events such as “Weather, Climate and Climate Change Quiz” targeting school children were held in 2017.

Component 1: Updating of the Data Collection, Processing and Forecasting System of the Hydromet Services

The Project has achieved the following outputs under Component 1:

- Procurement of 35 automatic weather stations, 6 of which have been installed;
- Installation of sea level tide gauge;
- Procurement of the second batch of equipment for hydromet monitoring;
- Retrofitting of 31 hydromet stations to report in real time and the development of a real-time data portal;
- Capacity building of hydromet staff in maintenance, installation and data collection;
- Completion of a gap assessment in the forecasting process;
- Completion of the business plan for Meteorological Service (MSJ);
- Completion of the structural assessment of radar tower and station;
- Development of draft bidding document for Doppler weather radar; and
- Development of TOR for meteorological data infilling;

Water Resources Authority’s real time hydromet monitoring network:

The WRA has received a boost in its technical capacity to carry out such assessment and forecasting, through the development of a real time hydro-meteorological monitoring network. The WRA’s water monitoring infrastructure has been updated by replacing and upgrading stream gauging stations and corresponding equipment as well as the upgrading or installation of new rain gauges. In all, 31 stations have been completed and already providing real time data. <http://ppcrja.org.jm/monitoring-jamaicas-water-resources-boosted-pilot-programme-climate-resilience-ppcr/>

MSJ weather forecasting capacity strengthened: MSJ’s capacity has also been boosted by the installation of automatic weather stations and a sea level tide gauge to access weather data faster and produce credible forecasts, contributing to effective early warnings and safety of the public. See an article by Jamaica Information Service: <http://jis.gov.jm/installation-real-time-automatic-weather-stations-begins-across-island/>

Component 2: Risk Information Platform and Vulnerability Assessment

- **The 2015 State of Jamaican Climate Report (SJCR):** Completed. The final report has been completed in November 2017 and will be launched in January 2018. This report provides a concise overview of what is available and known about Jamaica’s climate via a survey of available literature complemented by analysis. The report is intended as a first reference point with respect to climate information for Jamaica and is geared at, in particular but not exclusively, decision makers.
- **The vulnerability assessment and costed plan for the health sector.** On track. It is expected that the assessment is completed by March 2018.
- **Upgrading of web portal for climate data sharing:** On track. The National Spatial Data Management Division (NSDMD) is leading this activity. Upgrade to hardware and software is expected to be completed in January 2018.
- **Vulnerability Assessment for Community profiling:** On track. The Office of Disaster Preparedness and Emergency Management (ODPEM) is leading this activity. ODPEM is undertaking an assessment of the community disaster plans and the communities to benefit from the project have been identified. ODPEM is also sensitizing the various divisions who will be involved in the process.

Component 3: Climate Change Education and Awareness and Behavior Change

- **Visibility:** Communications officer has been actively promoting the Project. Results of the project activities have been disseminated through various



media. (See the links above)

- **Voices for Climate Change Initiative:** The contract has been signed and the planning has started.
- **Broader Information Education and Communications Campaign (IECC):** On track. Weather, Climate and Climate Change Quiz” targeting school children was held in 2017.

*Jamaican FY is from March to April.

Risks

Systematic Operations Risk-rating Tool

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

Results

Project Development Objective Indicators

► Increased satisfaction of the users of improved climate data and information services (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	15.00
Date	01-Sep-2015	24-May-2017	07-Dec-2017	01-Sep-2020

Comments

The data and information services are not completed yet.



► Integration of climate data and information into a health sector plan (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	N	Y
Date	01-Sep-2015	24-May-2017	07-Dec-2017	01-Sep-2020

Comments

The health sector plan is being developed.

► Direct project beneficiaries (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	12,800.00	12,800.00	0.00
Date	01-Sep-2015	24-May-2017	07-Dec-2017	01-Sep-2020

▲ Female beneficiaries (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30.00

Overall Comments

While the semester report is due after the period of this ISR, reporting on the results needs to be done in sync for ISRs.



Intermediate Results Indicators

► Improved quality (i.e. accuracy, lead time, and coverage) of extreme weather forecasts (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	01-Sep-2015	24-May-2017	07-Dec-2017	01-Sep-2020

► Improved quality (i.e. data from weather stations reaching data processing center in line with WMO performance standard) of climate recording network and data collection instruments (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
Date	01-Sep-2015	24-May-2017	07-Dec-2017	01-Sep-2020

► Number of Manpower Trained under the Project (number of people) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	18.00	300.00
Date	01-Sep-2015	25-May-2016	07-Dec-2017	01-Sep-2020

► Percentage of meteorological, hydromet and agromet equipment installed and operational (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	47.00	100.00
Date	01-Sep-2015	25-May-2016	07-Dec-2017	01-Sep-2020



Comments

MSJ has procured 35 weather stations and installed 6, where the original target was 26. WRA has installed 31 hydromet stations, where the original target was 25. There are other equipment planned to be installed.

► Doppler Radar installed and operational (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	N	Y
Date	01-Sep-2015	24-May-2017	07-Dec-2017	01-Sep-2020

Comments

The specs and bidding documents have been developed and submitted for the Bank review. Technical discussions are on going.

► Accurate and high resolution national and sectoral climate change scenarios developed (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	Y	Y	Y
Date	01-Sep-2015	24-May-2017	07-Dec-2017	01-Sep-2020

Comments

The 2015 State of Jamaican Climate Report has been completed. It will be launched in January 2018.



► Improved access to early warning and alert systems for targeted vulnerable communities (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	30.00	50.00
Date	01-Sep-2015	25-May-2016	07-Dec-2017	01-Sep-2020

Comments

Out of 59 target locations, 31 locations where the real-time hydromet monitoring has been operational have improved access to alert systems.

► Change in climate change knowledge, attitude and practice (KAP) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	75.00
Date	01-Sep-2015	25-May-2016	07-Dec-2017	01-Sep-2020

Comments

Not due yet.

Overall Comments

Data collection on information services needs to be initiated.

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P129633	TF-A0433	Effective	USD	6.80	6.80	0.00	1.08	5.72	16%

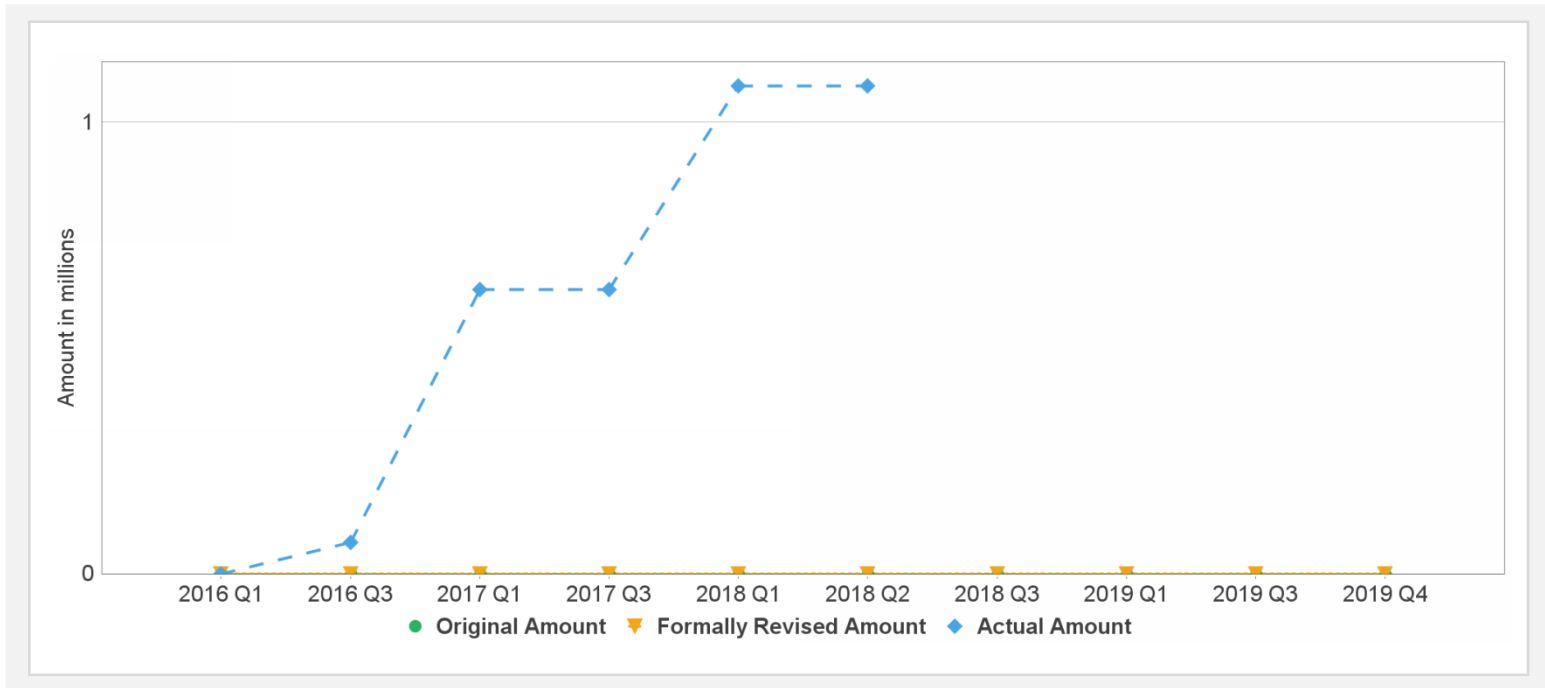
Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
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P129633 TF-A0433 Effective 28-Jul-2015 02-Oct-2015 14-Dec-2015 30-Apr-2021 30-Apr-2021

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.