

CREWS PROJECT STATUS REPORT

1. Project title	Caribbean - Strengthening Hydro-Meteorological and Early Warning Services	2. Project reference CREWS/CProj/04/Regional Caribbean
3. Lead IP	World Bank	4. Other Implementing Partners WMO, UNDRR
5. Reporting period	December 2018 – June 2019	
6. Reporting focal point	<p>Melanie Simone Kappes – mkappes@worldbank.org Saurabh Dani – sdani@worldbank.org – in cc Anna Maria Bogdanova – ambogdanova@worldbank.org – in cc</p> <p>Other IP focal points: Lina Sjaavik - lsjaavik@wmo.int Maria Kontro - mkontro@eird.org</p>	
7. Project overview	<p>Please include synergies, leveraging, key project deliverables and total funding in bullet points. (max 250 words) <i>this is not expected to evolve much from one reporting period to another</i></p> <p><u>Budget</u>: US\$ 5.5 million - implemented by the WB/GFDRR, in collaboration with WMO and UNDRR (This is the first project involving all three IPs).</p> <p><u>Leveraging</u>: This project is complemented with US\$ 1.5 million from the CREWS contribution from Canada to WMO.</p> <p><u>Objectives</u>: To strengthen and streamline regional and national systems and capacity related to weather forecasting, hydrological services, multi-hazard impact-based warnings and service delivery for enhanced</p>	

	<p>decision-making.</p> <p><u>Main activities:</u> (i) Development of regional strategy to strengthen and streamline early warning and hydromet services; (ii) Institutional strengthening and streamlining of early warning and hydromet services; (iii) Support for piloting high priority national activities including impact-based forecasting.</p>
<p>8. Progress summary</p>	<p>What has been achieved between December to June? – Please list the most significant and tangible developments?</p> <p>Overall, the implementation progress is rated as satisfactory. Rate of implementation is on track according to the implementation plan, and the project remains strongly aligned to the objectives.</p> <p>The most significant developments are as follows:</p> <p>General progress:</p> <ul style="list-style-type: none"> - Participation and presentation of CREWS Caribbean at the Hurricane Committee Meeting in Curacao, March 18-22. - Presentation of CREWS Caribbean and awareness raising of benefit vs. cost of EWS and the different actors, roles and need for close communication in order to make end-to-end EWS work at the Understanding Risk Caribbean (UR Caribbean) Conference in Barbados, May 27-31, 2019. - Two Project Steering Committee (PSC) meetings have taken place agreeing on the role of the PSC in project implementation and the implementation plan for the key activities. The PSC comprises representatives of all IPs, plus regional entities (CDEMA, CIMH, CMO) and national representatives. - A visual identity was created for CREWS Caribbean, including a logo and a banner that can be used in presentations, documents, handouts and on the newly created website. The website will serve for the communication of progress as well as consultations especially around the preparation of the diagnostic and strategy (see www.GFDRR.org/en/crews-caribbean). <p>Component I - Initiation of a Caribbean EWS Strategy through the diagnostic of the region's capacity:</p> <ul style="list-style-type: none"> - A team of core consultants has been brought together to carry out the regional diagnostic and prepare




the regional strategy outline. The diagnostic is expected to be finalized by September 2019 which will lay out the foundation for the regional strategy (draft regional strategy to be presented in December 2019).




- The development of the methodology for the integration of gender and vulnerable groups as a cross-cutting theme for the Regional Strategy has been started.
- The proposed timeline and development process of the regional strategy has been presented to and consulted with the PSC.
- Consultations with the key stakeholders for the draft diagnostic and incorporating the feedback are ongoing, as well as the consultations for an early draft of the regional strategy. Those consultations took place at the Hurricane Committee Meeting, UR Caribbean, and via videoconference.

Component II – Initial activities under Institutional strengthening and streamlining of early warning and hydromet services

- Discussions to identify the countries in need of a strategic plan and/or meteorological bill are currently ongoing
- The Terms of Reference for the drafting of a Regional Integrated Meteorological Bill for CariCOM countries have been developed with CMO.
- A training plan has been developed for the Severe Weather Forecasting Demonstration Project for the Eastern Caribbean (SWFDP-EC)
- The first CariCOF supported by the Caribbean CREWS Project took place 20-24 May in Sint Maarten. A Letter of Agreement for the following CariCOF and EWISACTs Fora is signed for the remainder of the project
- The project supported the Caribbean Training on Hurricane Forecasting at the National Hurricane Centre in Miami, Florida.

9. Project Performance

Interpretation of color coding		
	High	Good progress; on track in most or all aspects of delivery
	Medium	Moderate progress or on track in some aspects of delivery
	Low	Less than moderate or poor progress. Not on track in critical areas of its delivery. Requires remedial attention

	Rate of expenditure	Rate of delivery	Alignment of Objectives
Coding			
Narrative	Rate of expenditure is on track with 10% or US\$526,388 of approved US\$5,500,000 being expended.	Rate of delivery is on track and is closely monitored. The implementation plan and the timeline have been discussed with and agreed by the PSC.	The project remains strongly aligned to the objectives.

10. Risk Management Status

Risk Status	Currently, the risk is rated as moderate and is mostly concentrated around coordination between multiple stakeholders and regional set-ups. In addition to the complex regional setup, there are several regional consortia that are actively working in the field of EWSs including on the strategic vision for the region. Regional Early Warning Systems Consortium (REWS) as well as the Early-Warning Information Systems across Climate Timescales (EWISACTs) have been identified as important additional partners that should be involved in the consultation for defining the regional EWS strategy. This leads to the risk of a) creating parallel processes and strategies for the region if consultations and coordination are not
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	done properly; b) delays with the strategy preparation caused by the complicated coordination between stakeholders.
Measures to address	To mitigate the risks, the Bank and other IPs have reach out to both consortia to discuss how to better incorporate them in the process of diagnostic and strategy drafting. Representatives of both consortia are members of the Project Steering Committee which allows for closer coordination of all project activities.

11. Contributions to CREWS Output(s)

11.1 National Output(s)

CREWS Output(s) 1: National Meteorological and Hydrological Services service delivery improved, including the development of long-term service delivery strategies and development plans

State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by Dec 2018	Progress by June 2019
<i>National strategic plans developed</i>	100%	0%	N/A	0%
<i>National and Regional Meteorological Bills Drafted</i>	3 Met Bills drafted	0	N/A	0

The development of ToRs for National Strategic Plans and identification of target countries are currently underway. The ToRs for the drafting of a regional meteorological bill have been developed and the Letter of Agreement between WMO and CMO is currently in its finalization phases. The drafting process is expected to take 6 months and will be finalized in early 2020.

CREWS Output(s) 2: Risk Information to guide early warning systems and climate and weather service developed and accessible

State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by Dec 2018	Progress by June 2019
Hydrological observation, data management and flood forecasting strengthened		0	N/A	
WMO Cascading initiatives implemented	2 SWFDP RSMT Meetings 10 SWFDP Regional Trainings conducted	1 RSMT Meeting 0 SWFDP Regional Training Conducted	N/A	1 RSMT Meeting
Biannual Caribbean Climate Outlook Fora	6 CariCOF conducted	1 CariCOF Conducted	N/A	1 CariCOF Conducted
Multi-hazard early warning systems, risk assessments and impact-based forecasting introduced	3 regional training events on hurricane forecasting 2 Regional Training events on Impact-based forecasting	1 regional training hurricane forecasting N/A (planned y2 and 3)	N/A	1 Training
<p>Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)</p> <p>The Severe Weather Forecasting Demonstration Project- Eastern Caribbean (SWFDP-EC) conducted its Regional Sub-Management team meeting in Curacao during the WMO Regional Association IV Hurricane Committee Meeting. This venue also allowed for the development and further discussions on the SWFDP Training plan for the remainder of the project. This training plan will facilitate the implementation of the SWFDP-ECWMO signed a Letter of Agreement with CIMH concerning the CariCOF and EWISACTs fora for the remainder of the project. The project supported the annual regional training on hurricane forecasting at the National Hurricane Center (NHC) in Miami, Florida</p>				

CREWS Output(s) 3: Information and Communication Technology, including common alerting protocol, strengthened

State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by Dec 2018	Progress by June 2019
Eg:				
Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)				

CREWS Output(s) 4: Preparedness and response plans with operational procedures that outline early warning dissemination processes developed and accessible

State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by Dec 2018	Progress by June 2019
Eg:				
Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)				

CREWS Output(s) 5: Knowledge products and awareness programmes on early warnings developed

State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by Dec 2018	Progress by June 2019
Broader use of social/communication science to improve formulation of actionable information and warning supported	2 regional communication workshops conducted	0	N/A	N/A
Awareness raising with multiple actor on early warning as integrated element of disaster risk management		0	N/A	N/A
Awareness raising and capacity building for priority sectoral users through joint training with service providers		0	N/A	N/A
<p>Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)</p> <p>Activities under this output is planned for Y2 and Y3</p>				

CREWS Output(s) 6: Gender-sensitive training, capacity building programmes provided

State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by Dec 2018	Progress by June 2019
National workshops for 'gender and early warning system' training with regional strategy consultation implemented	3 national workshops	Methodology development started	Gender and vulnerable groups recognized in the project documents and events as cross-cutting themes	The methodology is under development and the first workshop is expected to take place in July 2019
As the integration of gender and vulnerable groups is a cross-cutting theme, the process is linked to the development of the regional diagnostic and strategy; the related coordination is ongoing. The interest of the national entities is a key factor in implementing the workshops. Coordination with the main partners in the field (national gender bureaus, UN Women, UNDP) has been conducted in order to map the overall gender and DRR process in the region.				
Women in Leadership workshop conducted	1 women in leadership workshop	0	N/A	N/A
Workshop to be scheduled with regional partners in year 2				

11.2 Regional Output(s)

CREWS Regional Output(s): Institutional and human capacities at Regional WMO and Intergovernmental organizations to provide regional climate and weather services to LDCs and SIDS increased				
State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by Dec 2018	Progress by June 2019
Regional development strategy agreed with regional and national stakeholders	Regional EWS strategy	Advance diagnostic and strategy framework	N/A	Consultations for diagnostic and strategy underway, drafting of diagnostic underway.
Set of priority investments and potential partnerships, including with private sector, identified	Set of priorities	0	N/A	0
Complex institutional setup in the region with numerous regional stakeholders and consortia. To mitigate the risks, the Bank and other IPs have reach out to key stakeholders and consortia to discuss how to incorporate them in the process of diagnostic and strategy drafting better. The PSC also plays a critical role with the most relevant actors represented and providing advice on a continuous basis.				

12. Contributions to Value Propositions

Gender Sensitive	The project has gender and vulnerable groups as cross-cutting themes. This enables the EWS to consider the different groups, reach more people and further contribute to the concept of people-centered EWS.
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Multiplier	
People-centered	
Promote Coherence	<p>The IP team is closely coordinating with stakeholders that are active in the region around the topic of end-to-end EWS, including regional organizations, consortia and other development partners. A mapping of ongoing projects and initiatives is planned to take place in a few months.</p>
Solution-oriented	
Unique	<p>While many national plans to strengthen EWS and regional plans to strengthen EWS aspects exist in the region, there is not yet any regional strategy that would set the frame for national level strengthening.</p>



13. Visibility products

a. Insert or copy any links to press releases, videos or communication items and/or social media links

- In the context of UR Caribbean the following blog was prepared: <https://understandrisk.org/end-to-end-early-warning-systems-what-does-it-take-to-avoid-the-disaster/>
- In order to communicate progress, share information and for consultation purposes the following website was established: www.GFDRR.org/en/crews-caribbean

14. Supporting documents

- a. List and annex to the report any documents providing details on project activities such as reports of training sessions, assessment reports, online solutions and tools, manuals, summaries of high-level discussions etc.**
- [The launch report from the November 2018 event can be found on the website \(www.GFDRR.org/en/crews-caribbean\)](http://www.GFDRR.org/en/crews-caribbean)