



CREWS PROJECT STATUS REPORT

1. Project title	Mali - Hydrological and Meteorological Services Modernization	2. Project reference	CREWS/CProj/07/Mali
3. Lead IP	World Bank	4. Other Implementing Partners	World Meteorological Organization (WMO)
5. Reporting period	June – November 2019		
6. Reporting focal point	Koffi Hounkpe - khounkpe@worldbank.org Jean-Baptiste Migraine - jbmigraine@wmo.int		
7. Project overview	<p>Please include synergies, leveraging, key project deliverables and total funding in bullet points. (max 250 words)</p> <ul style="list-style-type: none"> • <u>Budget</u>: US\$ 3.33 million - implemented by the WB and WMO • <u>Leveraging</u>: This funding complements WB Strengthening climate resilience in Mali investment project (P161406) of US\$31M (GCF \$23M and IDA \$8M) – see PAD. • <u>Objective</u>: Improve the country’s hydro-meteorological services, early warning and response systems in targeted areas • <u>Main activities</u>: (i) modernization of the meteorological and hydrological monitoring networks; (ii) strengthening Hydromet data collection, processing and dissemination; (iii) installation of an Emergency Operations Centre at General directorate for civil protection (DGPC) and an Emergency Coordination Centre (for disaster recovery, humanitarian aid); (iv) strengthening of communication channels; (v) strengthening of communities’ access and use of Hydromet services , in particular local decision makers and smallholder farmers to early warning information services on agriculture. 		



8. Progress summary	<p>What has been achieved between June - November? – Please list the most significant and tangible developments?</p> <ul style="list-style-type: none"> • Contract with WASCAL for capacity building to better understand the technical capacity of the hydrological and meteorological services of Mali and Niger in support of weather, water and climate services; • Two-day workshop for more 48 participants on effective start-up training activities with WASCAL in Bamako September 19-20, 2019; the CREWS four implementing agencies’ (Mali Meteo, General directorate for water resources, General directorate for civil protection and Early warning system for food security) capacity evaluated, the training contents discussed, and a road map validated for the training. Each agency nominated its participants at the workshop on the basis of background and position occupied in the agency. • Preparation of modules and organization of two regional capacity building workshops for 90 women leaders on prevention, disaster management, early warning and their roles and responsibilities; one in Segou September 24-25, 2019 and another in Bamako October 3-4, 2019. • Training of a Mali-Météo staff as webmaster in France, from November 16 to December 26, 2019 ; • Awareness campaign on disaster risk prevention; a contract was signed with a national communication firm; • A contract was signed with an individual consultant to support data collection, management and sharing.
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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	Disbursement on November 15, 2019 is US\$766,219 (28%) from the WB TF and US\$34,812 (14%) from the WMO TF.	In addition, US\$505.909 (18%) is committed by WB and US\$79,652 (32%) by WMO. With current Hydromet investment effective since September 24, 2019, the delivery of CREWS activities is expected to increase.	Fully aligned on the EWS objectives as well as the country development priority.

10. Risk Management Status

Risk Status	<p>What is the current risk status as compared to what was identified in the project proposal?</p> <p>There is increased insecurity in Mali mainly in the Center and North of the country, which are not a priority area in terms of delivery of climate warning services. Risk rating for Mali is moderate/medium. Even insecurity is high in the country north and center areas, the risk for CREWS implementation is moderate since about 90% of Hydromet equipment are in secure areas and the data collection for EWS will be done correctly and enough for weather forecasting.</p>
Measures to address	<p>What mitigation measures have been developed to address the risk status?</p> <p>Weather forecasting is important for climate disaster risks reduction and Hydromet data collection and data processing are essential. Mitigation measures include planning for securing equipment under IDA project, and ICT tools are being developed to facilitate remote M&E. The Hydromet project will deploy limited equipment in these areas (not more than 15% of), and CREWS will support capacity development in training and awareness campaign in southern secured areas. A training on GEMS tool for remote monitoring was organized on November 13, 2019 in Bamako for the four</p>



	agencies involved in CREWS and Hydromet project implementation.
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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 June 2019	Progress by November 2019
There is no significant improvement since June 2019. Increasing the number of products and services delivered by MALI METEO and DNH. Assessment of capacity for early warning of drought, locust, heavy precipitation, river flooding, flash flooding, wind storm and sand storm, within National Meteorological Service (MALI-METEO), National Hydrological Service (DNH), Food Security Early Warning System (CSA/SAP) and Civil Protection Directorate (DGPC) and recommendations for improvement	35	17	17	17
workshops and training better understand the technical capacity of the hydrological and meteorological services	6		1	1
Capacity building workshops for women leaders on prevention, disaster management, early warning and their roles and responsibilities (# of women participants)	80	80	90	90



Training of Mali-Météo on website management for dissemination of weather forecasts for agriculture as well as climate disaster risk management purpose.				
Development of technical specifications and a work plan for Hydromet data collection, data management and data dissemination	100%	10%	0%	10%
<p>Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)</p> <p>Mali Hydromet project has been effective since September 2019 but implementation of activities on the ground has not started yet. The number of services currently provided is 17.</p> <p>In the frame of the 2019 disaster risk reduction and prevention awareness training, DGPC prepared four disaster reduction radio and video clips and has signed a contract with a national communication firm to broadcast these messages on the national TV and two radios which are very popular in the country.</p> <p>An expert in Hydromet data collection, data management and data dissemination was hired to support Mali-Météo and DNH in the development of related technical specifications and work plans.</p>				

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 June 2019	Progress by November 2019
Communication networks to disseminate information and alerts in a timely manner and messages to decision makers and users. Provide adequate training and capacity for stakeholders involved in the early warning system chain, from data collection to the end users. CREWS will play main role in the system functioning.	50	Baseline data established <i>on the base of a study. The study is not completed yet</i>	N/A	N/A



Each know his role and responsibility on the chain and also know who and when each actor will intervene				
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Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)

The Mali Hydromet project has been effective since September 2019 but implementation of activities on the ground has not started yet. CREWS will support in establishing baseline reference and set up the project overall target to be followed up during the project whole cycle.

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 June 2019	Progress by November 2019
CREWS is supporting the establishment of a communication system to deliver timely and adequate agro-meteorological services in complemetary with the investment project which will provide equipement especially, mainly cell phones	Annual report on service deliver to end users mainly DGPC for DRM management			
Number of local food security and nutrition monitoring (SAP) groups equiped with adequate communication tools	Annual report on service deliver for farmers			

Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)

1. The project will assist DGPC operationalize the National Center for Emergency Operations and disaster risk information communication through SOS Security tool.
2. The delivery of agro meteorological and agriculture information end users to producers, vulnerable people
3. CREWS will support in establishing baseline reference and set up the project overall target.



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 June 2019	Progress by November 2019
CREWS will provide training to DGPC staff to operationalize the National Center for Emergency Operations and disseminate early warning information	300 DGPC staff trained	Terms of references	Terms of references are under development	Terms of references are under development
<p>Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words) With the project, the collection of information on flood will be done on smart phones and automatically transmitted to the center for processing. CREWS will support the training and the establishment of baseline reference and set up the project overall target.</p>				

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

State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by June 2019	Progress by November 2019
Reduction of mean emergency response lead time for flood (Percentage). CREWS supported DGPC to undertake a desk review of information for the call center and the emergency coordination for flood Reduction of mean emergency response lead time for flood (Percentage).	50%	Baseline data established	not started yet	not started yet



Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)

This indicator will measure the time elapsed between when information on a flood is received by Directorate general of civil protection and the moment they arrive on the ground to start emergency operation. An annual average of this response time will be computed.

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

State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by June 2019	Progress by November 2019
Number of female head of Community Early Warning Systems (Number) for flood and food security empowered or trained on early warning systems	45	30	30	30
Training of Mali-Météo and DNH on interpretation of numerical weather prediction, data management, flood forecasting	12	8	6	8

Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)

CREWS is supporting community pre-alert system that are led by female delegates, this will be complemented by the Hydromet investment project. Two regional capacity building workshops for 90 women leaders on prevention, disaster management, early warning and their role and responsibility have been organized in September and October 2019. Two consultants (women) were recruited to provide the trainings. A weather forecaster (Moussa Touré, Mali-Météo) and flood forecaster (Chaka Traoré, DNH) were trained on flash flood forecasting during (i) the West Africa Flash Flood Guidance System inception workshop, Dakar, Senegal, 25-27 June 2019 and (ii) the Global Flash Flood Guidance System inception workshop, Antalya, Turkey, 4-8 November 2019



12. Contributions to Value Propositions

Gender Sensitive	CREWS supported training to 90 women leaders on EWS and disaster risk management
Multiplier	CREWS facilitated the preparation of IDA Hydromet investment project, especially technical study for Mali-Meteo agency and Hydrology service on their equipment network and data collection for good weather forecasting.
People-centered	Most of activities supported by CREWS in Mali are people centered, training, study tour, etc.
Promote Coherence	CREWS Mali is aligned on the Country development programs and the World Bank Country Partnership Framework
Solution-oriented	Studies and trainings oriented to meet country needs relating to CREWS objectives
Unique	It's complementary to the other initiatives but focused on capacity development in line with CREWS objectives

13. Visibility products

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

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.*



[Report consultation meetings in Mali and Niger; Bamako September 2019](#)

[Message for population sensitization; September, October and November 2019](#)

[Report on women leaders training in Segou, September 2019](#)

[Report on Women leaders training in Bamako, October 2019](#)