



## CREWS PROJECT STATUS REPORT




<b>1. Project title</b>	Mali - Hydrological and Meteorological Services Modernization	<b>2. Project reference</b>	CREWS/CProj/07/Mali
<b>3. Lead IP</b>	World Bank	<b>4. Other Implementing Partners</b>	World Meteorological Organization (WMO)
<b>5. Reporting period</b>	<b>January – June 2020</b>		
<b>6. Reporting focal point</b>	Koffi Hounkpe - <a href="mailto:khounkpe@worldbank.org">khounkpe@worldbank.org</a> Jean-Baptiste Migraine – <a href="mailto:jbmigraine@wmo.int">jbmigraine@wmo.int</a>		
<b>7. Project overview</b>	<p><b>Please include synergies, leveraging, key project deliverables and total funding in bullet points. (max 250 words)</b></p> <p><u>Budget</u>: US\$ 3.33 million - implemented by the WB/GFDRR and WMO.</p> <p><u>Leveraging</u>: This funding complements WB Strengthening climate resilience in Mali investment project of US\$31M (GCF \$23M and IDA \$8M).</p> <p><u>Objective</u>: to improve the country’s hydro-meteorological, early warning and response systems and services in targeted areas</p> <p><u>Main activities</u>: (i) modernization of the meteorological and hydrological monitoring networks through rehabilitation of priority stations, installation of new sensors, rain gauges, and automatic hydro-meteorological stations; (ii) strengthening transmission, data management and dissemination hardware at MALI METEO and DNH for the integration of data into the global production chain, archiving and sharing across relevant entities; (iii) strengthening technical systems for performing meteorological, hydrological and climate modelling and forecasting at MALI METEO and DNH, especially in</p>		






	<p>numerical weather prediction, severe weather forecasting, flood modelling, database management, and impact-based forecasting (iv) installation of an Emergency Operations Centre (for rescue operation) at DGPC and an Emergency Coordination Centre (for disaster recovery, humanitarian aid) with adequate communication equipment; (v) strengthening of communication channels related to weather, water and climate information to the general public through media (web, radio, TV, newspapers), cellphones, sectoral online services, etc. with a gender-disaggregated approach and particular attention to vulnerable groups, who may have difficulty understanding or accessing information; (vi) strengthening of communities' access, in particular local decision makers and smallholder farmers, to early warning information services on agriculture, livestock and food security in chronically food insecure communities.</p>
<p><b>8. Progress summary</b></p>	<p><b>What has been achieved between January - June? – Please list the most significant and tangible developments?</b></p> <ul style="list-style-type: none"> <li>- CREWS activities Work Plan has been validated by all partner agencies for an effective implementation of activities from January to June 2020 9 (attached Work Plan)</li> <li>- Recruitment of consultants (Baseline situation Development, Mali Meteo equipment status assessment</li> <li>- 2 Physicians (Medical Doctors) from (DGPC) are being trained for the Master Program in International health and Early Warning at EHESP (Attached training program)</li> <li>- Training of a Mali-Météo staff as webmaster in France, from November 16 to December 26, 2019;</li> <li>- Awareness campaign on disaster risk prevention; a national communication firm had accomplished the activity. In the frame of current Covi-19 and in perspective of the preparation for the upcoming rain season, the contract will be renewing for the firm to continue the awareness;</li> <li>- A contract was signed with an individual consultant to support hydro-meteo data collection, management and sharing.</li> <li>- CREWS is supporting Bamako great mapping to improve DRM and EWS.</li> <li>- Training of agrometeorologists on R-Instat and development of crop calendars was conducted on 24-28 Feb 2020, Ouagadougou</li> </ul>



## 9. Project Performance

Interpretation of color coding		
	<b>High</b>	Good progress; on track in most or all aspects of delivery
	<b>Medium</b>	Moderate progress or on track in some aspects of delivery
	<b>Low</b>	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
<b>Coding</b>			
<b>Narrative</b>	Disbursement on March 16, 2020 is \$926,116 (33,7% of total amount) from WB side and CHF69,786 (30% of total amount) from WMO side; Commitment on March 16, 2020 is \$503,648 from WB side.	Some activities planned were delayed due to Covid-19. Now the Hydromet Project execution is effectively started, CREWS implementation will speed, especially those activities linking to the Hydromet investment project.	Fully aligned on the EWS objectives as well as the country development priority.



## 10. Risk Management Status

<b>Risk Status</b>	<p><b>What is the current risk status as compared to what was identified in the project proposal?</b></p> <p>There is increased insecurity in Mali mainly in the center, southern and northern parts of the country which have limited Hydromet equipment (Saharan area) as well as an increased health risk due to the current global Public Health threat (COVID 19) which is delaying some activities implementation.</p> <p>Risk rating for Mali is still 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>
<b>Measures to address</b>	<p><b>What mitigation measures have been developed to address the risk status?</b></p> <p>Mitigation measures include:</p> <ul style="list-style-type: none"> <li>- Increase the four national implementing capacity to work remotely;</li> <li>- Planning for securing equipment and ICT tools are being developed to facilitate remote M&amp;E.</li> <li>- CREWS will support capacity building in training and awareness campaign in southern secured areas.</li> <li>- Support for awareness campaigns on how to prevent COVID 19 pandemics</li> </ul>

## 11. Contributions to CREWS Output(s)

### 11.1 National Output(s)

#### CREWS Output(s) 1: National Meteorological and Hydrological Services 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 January 2020	Progress by June 2020
- (1) (X) products and services delivered by MALI METEO and DNH .	35	17	17	Nothing new is done yet



<p>- (2) Strengthened capacity of (X) Staff on 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)</p>		<p>All the four Implementation partners' capacity is strengthened.</p>		<p>The Report of the Consultant of Reference data will provide more and accurate information about the assessment of capacity for early warning of these climate variations within the implementation partners</p>
<p><b>Narrative</b></p> <ul style="list-style-type: none"> <li>- Mali Hydromet activities have effectively started in December 2019</li> <li>- The first supporting mission has taken place from 09-13 February 2020 and CREWS is supporting the recruitment of consultants for data baseline studies for IDA funding as well as for Green Climate Fund (GCF).</li> <li>- CREWS is officially contributing to strengthen the capacity for early warning of drought, locust, heavy precipitation, river flooding, flash flooding, windstorm and sandstorm, within National Meteorological Service (MALI-METEO)</li> <li>- CREWS has recruited a consultant who has assessed Mali Meteo equipment status.</li> </ul>				
<p><b>Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)</b></p> <p>For SAP and DNH, there is however a delay in project activities implementation due to the delay in the elaboration of the terms of reference for proposed activities. The mitigation step includes the technical support provided by DGPC and World Bank Consultants to SAP and DNH in the elaboration of the TORs.</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 January 2020	Progress by June 2020
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. Consultant recruited for the study</i>	N/A	N/A

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

Mali Hydromet project implementation has started, and the first supporting mission has taken place in February 2020. However there is a need for CREWS to 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 January 2020	Progress by June 2020
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CREWS is supporting the establishment of a communication system to deliver timely and adequate agro-meteorological services in complementary with the investment project which will provide equipment especially, mainly cell phones.	Annual report on service deliver to end users mainly DGPC for DRM management			<b>Not yet</b>
Number of local food security and nutrition monitoring (SAP) groups equipped with adequate communication tools	Annual report on service deliver for farmers	SAP is planning its activities		<b>Not Yet</b>
<p><b>Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)</b></p> <ol style="list-style-type: none"> <li>1. The project will assist DGPC to establish and operationalize the National Center for Emergency Operations.</li> <li>2. The delivery of end-user products to producers, vulnerable people, especially farmers.</li> <li>3. CREWS supports in establishing baseline reference and set up the project overall target.</li> </ol>				

**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 January 2020	Progress by June 2020
CREWS will provide training to DGPC staff to operationalize the National Center for Emergency Operations and disseminate early warning information	300 DGPC staff trained	Recruit a consultant to prepare training modules		
<p><b>Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)</b></p> <p>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 programmes on early warnings developed

State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by January 2020	Progress by June 2020
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	TOR is prepared and available	No update
<p><b>Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)</b></p> <p>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. DGPC is recruiting a consultant / firm to conduct a desk review of information for the call center and the emergency coordination for flood</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 January 2020	Progress by June 2020
Number of female head of Community Early Warning Systems (Number) for flood and food security empowered or trained on early warning systems	45	20	20	30
<p><b>Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)</b></p> <p>CREWS is supporting community pre-alert system that are led by female delegates, this will be complement by the Hydromet investment project. .The community level women leaders have been trained on early warning.</p>				





## 12. Contributions to Value Propositions

<b>Gender Sensitive</b>	CREWS supported training to 90 women leaders on EWS and disaster risk management. CREWS is supporting the women groups to integrate EWS and DRM into their programs and conducting awareness activities in their respective intervention areas. There delay doing to Covid-19
<b>Multiplier</b>	CREWS facilitated the implementation 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. CREWS is also supporting the base line study for all project indicators to monitor during the whole project cycle.
<b>People-centered</b>	Most of activities supported by CREWS in Mali are people centered, training, study tour, etc.
<b>Promote Coherence</b>	CREWS Mali is aligned on the Country development programs and the World Bank Country Partnership Framework
<b>Solution-oriented</b>	Studies and trainings oriented to meet country needs relating to CREWS objectives
<b>Unique</b>	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*

*Hydromet Project launching*

<https://www.youtube.com/watch?v=FeUNoZuUBA4&t=2010s>

<https://www.maliweb.net/environnement/hydromet-mali-plus-19-milliards-fcfa-pour-renforcer-de-la-resilience-climatique-2863541.html>

<http://bamada.net/hydromet-mali-pour-le-renforcement-de-la-resilience-climatique>

## 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.***

[https://drive.google.com/file/d/1shhDEHkTbgwq\\_rFhMX-IoHlb2JmzSJHT/view?usp=sharing](https://drive.google.com/file/d/1shhDEHkTbgwq_rFhMX-IoHlb2JmzSJHT/view?usp=sharing)

[https://worldbankgroup-my.sharepoint.com/:w:/r/personal/khounkpe\\_worldbank\\_org/\\_layouts/15/Doc.aspx?sourcedoc=%7BF0C76627-9DB3-40EE-B508-8E0AA6ADC34C%7D&file=Message%20de%20Sensibilisation%20publique.doc&action=default&mobileredirect=true](https://worldbankgroup-my.sharepoint.com/:w:/r/personal/khounkpe_worldbank_org/_layouts/15/Doc.aspx?sourcedoc=%7BF0C76627-9DB3-40EE-B508-8E0AA6ADC34C%7D&file=Message%20de%20Sensibilisation%20publique.doc&action=default&mobileredirect=true)

[https://worldbankgroup-my.sharepoint.com/:w:/r/personal/khounkpe\\_worldbank\\_org/\\_layouts/15/Doc.aspx?sourcedoc=%7BDF6C2E51-6132-451D-BB03-F896CC8FC54C%7D&file=Message\\_\\_\\_\\_\\_Sensibilisat.doc&action=default&mobileredirect=true](https://worldbankgroup-my.sharepoint.com/:w:/r/personal/khounkpe_worldbank_org/_layouts/15/Doc.aspx?sourcedoc=%7BDF6C2E51-6132-451D-BB03-F896CC8FC54C%7D&file=Message_____Sensibilisat.doc&action=default&mobileredirect=true)