



## CREWS PROJECT PROGRESS REPORT

(July – December 2020)




<b>1. Project title</b>	Mali - Hydrological and Meteorological Services Modernization	<b>2. Project reference</b> CREWS/CProj/07/Mali
<b>3. Implementing Partners involved in the project</b>	World Bank (Lead) World Meteorological Organization	<b>4. Regional/National Partners involved in the project</b> Mali Météo, General Directorate for Civil Protection (DGPC), National Hydrological Department (DNH), National Food Security Early Warning System (SAP)
<b>5. Project Duration/Timeframe</b>	July 2017 – June 2021	
<b>6. Reporting focal point(s)</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 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> <ul style="list-style-type: none"> <li>• GCF 22.75 million</li> <li>• <u>IDA 8.25 million</u></li> </ul>
<p><b>8. Progress summary</b></p>	<p><b>What has been achieved between July and December 2020 – Please list the most significant and tangible developments?</b></p> <ul style="list-style-type: none"> <li>• Community mapping was conducted in Bamako to support flood management, flood modelling, flood forecasting;</li> <li>• Assessment of training needs on flood management and early warning conducted by WASCAL; Presentation of results and introduction to the development of a Concept of Operations (CONOPS);</li> <li>• Training for the National Disaster Risk Reduction Platform (PRRC) on risk knowledge;</li> <li>• FFGS -delineation of watersheds;</li> <li>• 2 consultants recruited for gender to train networking of women's associations on climate related risks and early warning mechanisms;</li> <li>• Support to the preparation of investment project in support of urban resilience project.</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>	<p>Disbursement December, 2020</p> <p>From WB side: is \$1,196,233 (43.1% of total amount)</p> <p>From WMO side: \$172,881 in actuals + \$1,437 in obligations (69.7% of total amount)</p>	<p>Coup d'Etat, insecurity and COVID resulted in delayed implementation, and had an impact on trainings, workshops, field missions, travel within Mali.</p>	<p>Fully aligned on the EWS objectives as well as the country development priority.</p>



## 10. Risk Management Status

<p><b>Risk Status</b></p>	<p>What is the current risk status as compared to what was identified in the project proposal?</p> <p>With the increasing insecurity in Mali mainly in the center, southern and northern parts of the country in addition to the political instability (Coup d’Etat) since August 2020 and the COVID-19 pandemic, project implementation has been delayed and activities on the ground (e.g. missions, field visits) have been further reduced, impacting project implementation. The risk that will affect the project implementation is medium.</p>
<p><b>Measures to address</b></p>	<p>What mitigation measures have been developed to address the risk status?</p> <p>In close collaboration with the project implementation unit of the DGPC, the following actions were conducted to reduce the impact and limit the risk:</p> <ol style="list-style-type: none"> <li>1) Continuing support for sensitization campaigns on how to prevent COVID 19 pandemics were conducted;</li> <li>2) Equipments ( masks , sanitizers) were provided to vulnerable populations for a prevention purpose against the pandemics</li> <li>3) Remote monitoring tools (e.g. using cell phone surveys) have been introduced to support basic project implementation, notably in field locations.</li> </ol> <p>Once the restrictions to the COVID 19 are lifted, CREWS will continue supporting capacity building in training and awareness campaign in southern secured areas.</p>



## 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 July 2020	Progress by December 2020
<ul style="list-style-type: none"> <li>- (1) (X) products and services delivered by MALI METEO and DNH .</li> <li>- (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)</li> </ul>	35	(1) Increase the number by 50% (15)  All the Implementation partners' capacity is strengthened and all recommendations for improvement are executed.  (2)	0	0

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

Despite the intermittent relaxation of the constraints linked to the pandemic since the end of September, the number of contamination continues to increase, which is delaying the execution of activities. However, in order not to fully penalize communities which, in addition to Covid19, are vulnerable to disaster risks, the resumption of activities is planned for the month of January at the earliest. The COVID 19 pandemics cases are dramatically increasing. Some protection measures taken by the government to mitigate the contamination are implemented. As a result , this has hindered the delivery of products and services by Mali Meteo and DNH as well as the delay in the



review of ToRs related to the activities. Nevertheless, a number of activities were still conducted in a virtual format, including for example a training needs assessment conducted by WASCAL as well as an introduction to the concept of operations (CONOPS).

### 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 July 2020	Progress by December 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	<ul style="list-style-type: none"> <li>Disseminated information and alerts in a timely manner and messages to decision makers and users by available communication networks ( Radio , Television etc ..)</li> <li>(X) stakeholders strengthened capacity through</li> </ul>	0	0



		adequate training for them to be involved in the early warning system chain, from data collection to the end users.		
<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>The COVID 19 and the insecurity are yet impacting the effective implementation of activities. Under the current restrictions the team was able to conduct a training for the National Disaster Risk Reduction Platform (PRRC) on risk knowledge in a virtual format. The possibility for virtual training activities will be further rolled out in 2021 in light of the ongoing restrictions.</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 July 2020	Progress by December 2020
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	Timely report on the service delivery to end users mainly from DGPC management	No activity done throughout the period ( 0 )	0
Number of local food security and nutrition monitoring (SAP) groups equipped with adequate communication tools	Annual report on service deliver for farmers	Timely report on service deliver for farmers	No activity done throughout the period	0



			(0)	
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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 COVID 19 and the insecurity are yet impacting the effective implementation of activities. Under the current restrictions the team was able to conduct a training for the National Disaster Risk Reduction Platform (PRRC) on risk knowledge in a virtual format. The World Bank team is working closely with the project implementation unit to advance the activities for example through training in a virtual format.

**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 July 2020	Progress by December 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	50% staff trained	0	0

**Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them.**

The COVID 19 pandemic and the insecurity are yet impacting the effective implementation of activities. Under the current restrictions the team was able to conduct a training for the National Disaster Risk Reduction Platform (PRRC) on risk knowledge in a virtual format. The possibility for virtual training activities will be further rolled out in 2021 in light of the ongoing restrictions.

**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 July 2020	Progress by December 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%	50%	0	0
<p><b>Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)</b>            The COVID 19 pandemic and the insecurity are yet impacting the effective implementation of activities. Under the current restrictions the team was able to collaborate closely with DGPC for 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 July 2020	Progress by December 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	0	0



**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 complement by the Hydromet investment project. The community level women leaders trained on early warning systems are under networking.

### 11.2 Regional Output(s) (for Regional Projects)

**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 July 2020	Progress by December 2020
N/A this is not a regional project	N/A	N/A	N/A	N/A

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

### 12. Contributions to Value Propositions

Gender Responsive	<i>(How did the project capture relevant gender concerns? For example, including gender-inclusive indicators and targets, reporting on sex-disaggregated data, conduct of gender analysis, involvement of gender and/or women’s organisations, documenting effects on women, men and gender-relations, implementing gender specific actions/activities for women and men.)</i>
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	<p>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. The delay due to the COVID-19 pandemic and the political insecurity in the country since August 2020 have however hampered the roll out of the activities.</p>
<p><b>Multiplier</b></p>	<p><b><i>(How did the project contribute to the promotion of a favorable environment for early warning systems? What additional financing has been leveraged or expected to be mobilized as an effect of the project?)</i></b>          CREWS supports the implementation of the Mali Hydromet project, which is financed by GCF (US\$ 22.75 million) and World Bank US\$ 8.25 million). The CREWS project facilitates a number of technical studies and training courses in support of early warning services. With regard to the technical studies, WASCAL supported the formulation of a training plan for strengthening technical capacity on early warning and introduced the concept of operations (CONOPS). Other technical studies include support on assessing 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.</p>
<p><b>People-centered</b></p>	<p><b><i>(Which local organisations have been engaged and what is their level of participation? How did the project ensure the involvement and uptake of end-users?)</i></b>          Most of activities supported by CREWS in Mali are people centered, training, study tour, etc.</p>
<p><b>Promote Coherence</b></p>	<p><b><i>(What are the approaches undertaken to ensure complementarity and value-added of the project with existing projects and other international partner initiatives ? For example, conduct of joint planning, resource sharing, participation in consultations, workshops, meetings organized by partners.)</i></b>          CREWS Mali is aligned with Mali’s Country Partnership Strategy and as such supports the preparation of further investments on urban resilience in Bamako that will lead to drainage and flood management infrastructure development as well as sustaining the early warning operations. In addition, WASCAL has introduced the concept of operations (CONOPS), which will be further developed in the context of CREWS Mali and the Mali Hydromet project.</p>



<p><b>Solution-oriented</b></p>	<p><b><i>(What good and innovative practices have been produced or are evident in the project?)</i></b></p> <p>Studies and trainings oriented to meet country needs relating to CREWS objectives.</p> <p>The trainings</p> <ul style="list-style-type: none"> <li>- Training and awareness of women leaders on hydro-climate risk alerts</li> <li>- Training of authorities and decentralized services on preventing the risks of flash flood on koris in the Agadez region (Air)</li> </ul> <p>Studies</p> <ul style="list-style-type: none"> <li>- Study trip to a country of the sub-region</li> <li>- Survey of needs and tools for analyzing and disseminating information and alerts</li> </ul>
<p><b>Unique</b></p>	<p><b><i>(How did the project support building sustained institutional capacity driven by countries?)</i></b></p> <p>CRWS Mali provides a unique mix of activities addressing technical studies, capacity building and implementation support for the MaliHydromet projct. In addition, it supports the preparation of a urban resilience investment project in Bamako that would support flood management infrastructure and sustain the investment on early warning in the agglomeration of Bamako.</p> <p>It's complementary to the other initiatives but focused on capacity development in line with CREWS objectives.</p>



### 13. Certification on Use of Resources

This is for authorized representatives from the Implementing Partners to certify that the resources allocated are used for their intended purpose. Please fill one table per Implementing Partner.

Has there been any cases of non-compliance with the financial rules, regulations and procedures of your institution? If yes, please fill below			<input type="checkbox"/> Yes	<input type="checkbox"/> No
Issue	Response Measures Taken	Date of Response	Active/Closed	
		Click or tap to enter a date.	Choose an item.	
		Click or tap to enter a date.	Choose an item.	
		Click or tap to enter a date.	Choose an item.	
<b>Institution</b>	Choose an item.			
<b>Firstname, LASTNAME of authorized representative</b>				
<b>Position Title</b>				
<b>Date and Signature:</b>				

To your knowledge, has there been any cases of non-compliance with the financial rules, regulations and procedures of your institution? If yes, please fill below			<input type="checkbox"/> Yes	<input type="checkbox"/> No
Issue	Response Measures Taken	Date of Response	Active/Closed	
		Click or tap to enter a date.	Choose an item.	
		Click or tap to enter a date.	Choose an item.	
		Click or tap to enter a date.	Choose an item.	
<b>Institution</b>	Choose an item.			
<b>Firstname, LASTNAME of authorized representative</b>				
<b>Position Title</b>				
<b>Date and Signature:</b>				



<b>To your knowledge, has there been any cases of non-compliance with the financial rules, regulations and procedures of your institution? If yes, please fill below</b>			<input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>
<b>Issue</b>	<b>Response Measures Taken</b>	<b>Date of Response</b>	<b>Active/Closed</b>
		Click or tap to enter a date.	Choose an item.
		Click or tap to enter a date.	Choose an item.
		Click or tap to enter a date.	Choose an item.
<b>Institution</b>	Choose an item.		
<b>Firstname, LASTNAME of authorized representative</b>			
<b>Position Title</b>			
<b>Date and Signature:</b>			

#### 14. 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>

[https://drive.google.com/file/d/1shhDEHkTbgwq\\_rFhMX-loHlb2JmzSJHT/view?usp=sharing](https://drive.google.com/file/d/1shhDEHkTbgwq_rFhMX-loHlb2JmzSJHT/view?usp=sharing)



## 15. 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.*

- Analytical reports on technical capacity of the national weather, water and climate services in [Mali](#)
- [https://worldbankgroup-my.sharepoint.com/:b:/r/personal/khounkpe\\_worldbank\\_org/Documents/Mes%20Missions%20Ext/WASCAL/Deliverable\\_D2a\\_Mali\\_R2\\_vFinal\\_18.12.2020.pdf?csf=1&web=1&e=i9aZcb](https://worldbankgroup-my.sharepoint.com/:b:/r/personal/khounkpe_worldbank_org/Documents/Mes%20Missions%20Ext/WASCAL/Deliverable_D2a_Mali_R2_vFinal_18.12.2020.pdf?csf=1&web=1&e=i9aZcb)