






CREWS PROJECT STATUS REPORT

1. Project title	Mali: Strengthening Climate resilience in Mali project	2. Project reference CREWS/CProj/07/Mali
3. Lead IP	World Bank	4. Other Implementing Partners WMO
5. Reporting period	December 2018 – June 2019	
6. Reporting focal point	Koffi Hounkpe - khounkpe@worldbank.org and 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) <i>this is not expected to evolve much from one reporting period to another</i></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</p>	



	<p>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>
8. Progress summary	<p>What has been achieved between December to June? – Please list the most significant and tangible developments?</p> <ul style="list-style-type: none"> - CREWS supported Mali Hydromet investment project approved on May 23, 2019; - CREWS supported meteorology and hydrology technical feasibility study to identify needs for effective hydrometeorological services including early warning system. - Training of Mali-Météo staff on interpretation of numerical weather prediction products, use of satellite information and delivery of warning services, Ouagadougou, 2-4 May 2019 - Training of Mali-Météo and DNH staff on optimal use of seasonal (from 1 to 3 months) and sub-seasonal (from 10 day to 1 month) predictions for agrometeorology and hydrology, Toulouse, 13-17 May 2019 - Training of Mali-Météo staff on the use of the Météo-France land data assimilation system (LDAS) for agrometeorology in AGRHYMET, Niamey, 28-29 May 2019 - participation of Mali in the West Africa Flash Flood Guidance System inception workshop, Dakar, 25-27 June 2019 - A staff from MALI METEO participated at a training in Israel on climate early warning forecasting; - Recruitment of WASCAL to provide training in Mali and Niger.

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
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	Rate of expenditure	Rate of delivery	Alignment of Objectives
Coding	●	●	●
Narrative	<ul style="list-style-type: none"> - Disbursement on June 18, 2019 is \$653,785 (24% of total amount) from WB side and CHF23,827 (10% of total amount) from WMO side; - Commitment on June 18, 2019 is \$304,351 from WB side. 	Moderately low because of the delay and difficulty in preparing the investment project on which CREWS activities are linking. With current Hydromet project approval, CREWS activities delivery are 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 country which have very few Hydromet equipment (Saharan area)</p>
Measures to address	<p>What mitigation measures have been developed to address the risk status?</p> <p>Mitigation measures are planning for equipment secure and ICT tools are developing to facilitate remote M&E. Hydromet project will not have more than 15% of equipment in these areas and CREWS support capacity building, mainly training and awareness campaign will focus on 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 Dec 2018	Progress by June 2019
Increasing the number of products and services delivered by MALI METEO and DNH (Number). 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
Narrative: Mali Hydromet project has been just approved, and effective implementation has not started yet. The number services currently provided is 17. CREWS contribute for this is MALI METEO three staff training in Israel and in France to improve weather forecasting. The target number at the end of the project is 35				
Output 1.2: Training of Mali-Météo and DNH on interpretation of numerical weather prediction, data management, flood forecasting				
Following the training of 2 staff from Mali-Météo in Lomé in Nov 2018, 4 additional trainings took place during the reporting period : (i) on interpretation of numerical weather prediction products, use of satellite information and delivery of warning services, Ouagadougou, 2-4 May 2019; (ii) on optimal use of seasonal and sub-seasonal predictions for agrometeorology and hydrology, Toulouse, 13-17 May 2019, (iii) on the use of land data assimilation system (LDAS) for agrometeorology, Niamey, 28-29 May 2019 and (iv) on flash flood forecasting, during the West Africa Flash Flood Guidance System inception workshop, Dakar, 25-27 June 2019				



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
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. Each know his role and responsibility on the chain and also know who and when each actor will intervene.	50	-		
Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words) Mali Hydromet project has just approved, and effective implementation has not started yet. However, CREWS supported 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 Dec 2018	Progress by June 2019
Number of Local SAP Groups equipped with adequate communication tools	Annual			
CREWS is supporting the establishment of a Communication System to deliver timely and Adequate agro-meteorological services in complementary with the	Annual			



investment project which will provide equipment especially, mainly cell phones				
<p>Narrative:</p> <ol style="list-style-type: none"> 1. The project will assist DGPC operationalize the National Center for Emergency Operations. 2. The delivery of end-user products to producers, vulnerable people <p>CREWS supported in establishing baseline reference and set up the project overall target.</p>				

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
CREWS will support DGPC operationalize the National Center for Emergency Operations (Yes/No). besides the important equipement to install, there is an important part for training to get the center operational, The Hydromet investment project will provide all necessary materiel and	Yes	Not yet	Note yet	Not yet
<p>Narrative: With the project, the collect will be done on smart phones and automatically transmitted to the center for processing. CREWS supported in establishing baseline reference and set up the project overall target.</p>				

CREWS Output(s) 5: Knowledge products and awareness program 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
The time elapsed between when information on a flood is received by DGPC and the moment they arrive on the ground to start emergency operation (%). CREWS is supporting DGPC to undertake a desk review of information for the call center and the emergency coordination for flood	Annual report			
<p>Narrative: 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.</p>				

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 Dec 2018	Progress by June 2019
Number of female head of Community Early Warning Systems (Number) for flood and food security	45	20	20	20
<p>Narrative: CREWS is supporting community pre-alert system that are led by female delegates, this will be complement by the Hydromet investment project. Term of references are prepared to provide training to women. The community level women leaders are under identification and field trainings will take place by July 2019 (attached the ToR).</p>				

12. Contributions to Value Propositions



Gender Sensitive	
Multiplier	
People-centred	
Promote Coherence	
Solution-oriented	
Unique	

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.

Reference documents :

- [Project document](#)

- [Report June to Nov 2018](#)

Outputs during the reporting period

- Ouagadougou training report, May 2019 (not yet available)

- [Toulouse training report](#), Toulouse, May 2019

- [AGRHYMET training report](#), Niamey, May 2019

- FFGS inception workshop – [Concept Note](#), [Agenda](#), Dakar, June 2019