



CREWS PROJECT PROGRESS REPORT




(July – December 2022)




1. Project title	Mali - Hydrological and Meteorological Services Modernization	2. Project reference CREWS/CProj/07/Mali
3. Implementing Partners involved in the project	World Bank (Lead) World Meteorological Organization	4. Regional/National Partners involved in the project Mali Météo, General Directorate for Civil Protection (DGPC), National Hydrological Department (DNH), National Food Security Early Warning System (SAP)
5. Project Duration/Timeframe (from year – to year)	July 2017 – June 2023	6. Total Funding Approved by Steering Committee (in US dollars), including fees 3,333,000
7. Reporting focal point(s) from Implementing Partners	Koffi Hounkpe: khounkpe@worldbank.org Michel Nikiema: pmnikiema@wmo.int	
8. Project overview	<p>Please include objectives, key project deliverables, leveraging, contextual information/statistics, significant events during the reporting period <u>in bullet points</u>. (max 250 words)</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> 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 National Directorate of Hydraulics (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 General Directorate of Civil Protection (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><u>Significant events during the reporting period:</u> 1 study trip (details below)</p>
<p>9. Progress summary</p>	<p>What has been achieved <u>during this reporting period?</u> – Please list <u>in bullet points</u> the most significant and tangible outcomes? (max 250 words)</p> <p>From October 02 to 07, 2022, the National Platform for Disaster Risk Reduction of Mali (PNRRC) made a study trip to TOGO to share experiences with actors from the Togolese platform for Disaster Risk Reduction who work to improve the resilience of populations to climate change. Fully funded by the World Bank, nine (09) members of the National DRR Platform of Mali and one (01) of the PCU/Hydromrt-Mali participated in the activity and were mainly composed by Directorate General of Civil Protection; the National Directorate of Hydraulics, General Directorate of Health and Public Hygiene, National Directorate of Agriculture etc. The goal is to share experiences between members of the two platforms (TOGO and MALI) on the prevention and management of the risks of natural, climatic and anthropogenic disasters. As a result of the event, the followings were achieved:</p>

1. Participants were equipped with the organization and operating mode of the two platforms;
2. The difficulties of the two organizations were shared as well as their experiences;
3. The typology of Togo's inter-service collaboration framework was defined and understood by participants from Mali;
4. The projects and programs of the Togo Platform were shared and understood by the participants from Mali;
5. Guided tours were made to member structures of the Togo Platform
6. Flash Flood Guidance System (FFGS) – Mali-Météo participated a training on WAFFGS (Step3.2) focused on the analysis of hydrometeorological events and the development of flash flood forecast information at the Hydrologic Research Center (HRC) headquarters in San Diego, California, USA from 28 November to 7 december 2022
7. Real-time Monitoring and forecast of IntraSeasonal Variability over Africa (MISVA) – support to Mali-Météo by Météo-France and with weekly briefings up to October ending to assist Mali-Météo in analysing intra-seasonal outlooks to enhance its forecasting capacities at synoptic scales.

10. 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	<p>From WB side: Disbursed: \$1,677,771 (61% of total amount); Committed: \$ 140,405</p> <p>From WMO side: Disbursed: \$232,409 (92% of total amount) Committed: \$826</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>- Mali Socio Politico crisis has been impacted the project implementation</p>	Fully aligned on the CREWS objectives as well as the country development priority.

11. Risk Status

<p>Risk Status</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 (two Coup d’Etat) since August 2020 and the COVID-19 pandemic, the economics sanctions were imposed on Mali on January 2022 and which have seriously delayed activities implementation on the ground (e.g. missions, workshops, field visits) impacting the overall project implementation. There is a risk that project implementation may continue to be affected in 2022.</p> <p>The imposed economics sanctions just been lifted by ECOWAS and those constraints have been further reduced. The risk affecting the project implementation is currently High but it might be medium over the coming months .</p>
<p>Measures to address</p>	<p>What mitigation measures have been developed to address the risk status? <u>In bullet points</u></p> <ol style="list-style-type: none"> 1) Continuing support for sensitization campaigns on how to prevent COVID 19 pandemics were conducted; 2) Equipments (masks , sanitizers) were provided to vulnerable populations for a prevention purpose against the pandemics 3) Remote monitoring tools (e.g. using cell phone surveys) have been introduced to support basic project implementation, notably in field locations. 4) CREWS will continue supporting capacity building in training and awareness campaign in southern secured areas. 5) The Covid 19 restrictions are being gradually lifted, and CREWS activities might resume soon 6) A national Event agency (firm) is under recruitment to support the implementation of CREWS activities



12. Contributions to CREWS Output(s)

(use number for activities and products and % for project component completion)

12.1 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	Progress by June 2022	Target for reporting period	Progress by December 2022
(1) (X) products and services delivered by MALI METEO and DNH . (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)	35	21	0	21
<p>Additional information: briefly indicate, with concrete examples, the contributions to CREWS value propositions (gender-responsive, multiplier, people-centered, promote coherence, solution-oriented, unique), as relevant (150 – 200 words). Please list in bullet points.</p> <p>Since March 2021, the COVID 19 pandemics, socio political crisis added to the economic sanctions imposed on the country have significantly impacted the overall project activities implementation. As a result no activity was undertaken for this output indicator from January through June 2022. However, the imposed economic sanctions have just been lifted by ECOWAS and the implementation of project activities will start soon. The status is rated Moderate/Medium</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	Progress by June 2022	Target for the reporting period	Progress by December 2022
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	0	0	0

Additional information: briefly indicate, with concrete examples, the contributions to CREWS value propositions (gender-responsive, multiplier, people-centered, promote coherence, solution-oriented, unique), as relevant (150 – 200 words). Please list in bullet points.

Since March 2021, the COVID 19 pandemics, socio political crise added to the economic sanctions imposed on the country have significantly impacted the overall project activities implemation. As a result no activity was undertaken for this output indicator from January through June 2022. However, the imposed economics sanctions just been lifted by ECOWAS and the implementation of project activities will start soon. The status is rated Moderate/Medium

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

State Project Output(s) in this section	Overall Project Target	Progress by June 2022	Target for the reporting period	Progress by December 2022
CREWS is supporting the establishment of a communication system to deliver timely and adequate agro-meteorological services in complemetary with the	Annual report on service deliver to	0	0	0



investment project which will provide equipment especially, mainly cell phones.	end users mainly DGPC for DRM management			
Number of local food security and nutrition monitoring (SAP) groups equipped with adequate communication tools	Annual report on service deliver for farmers	0	0	0
<p>Additional information: briefly indicate, with concrete examples, the contributions to CREWS value propositions (gender-responsive, multiplier, people-centered, promote coherence, solution-oriented, unique), as relevant (150 – 200 words). Please list in bullet points.</p> <p>Since March 2021, the COVID 19 pandemics, socio political crise added to the economic sanctions imposed on the country have significantly impacted the overall project activities implemation. As a result no activity was undertaken for this output indicator from January through June 2022. However, the imposed economics sanctions just been lifted by ECOWAS and the implementation of project activities will start soon. The status is rated Moderate/Medium</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	Progress by June 2022	Target for the reporting period	Progress by December 2022
CREWS will provide training to DGPC staff to operationalize the National Center for Emergency Operations and disseminate early warning information	300 DGPC staff trained	0	0	0
<p>Additional information: briefly indicate, with concrete examples, the contributions to CREWS value propositions (gender-responsive, multiplier, people-centered, promote coherence, solution-oriented, unique), as relevant (150 – 200 words). Please list in bullet points.</p> <p>Since March 2021, the COVID 19 pandemics, socio political crise added to the economic sanctions imposed on the country have significantly impacted the overall project activities implemation. As a result no activity was undertaken for this output indicator from January through June 2022. However, the imposed economics sanctions just been lifted by ECOWAS and the implementation of project activities will start soon. The status is rated Moderate/Medium</p>				



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

State Project Output(s) in this section	Overall Project Target	Progress by June 2022	Target for the reporting period	Progress by December 2022
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%	0	0	0
<p>Additional information: briefly indicate the contributions, with concrete examples, to CREWS value propositions (gender-responsive, multiplier, people-centered, promote coherence, solution-oriented, unique), as relevant (150 – 200 words). Please list bullet points.</p> <p>Since March 2021, the COVID 19 pandemics, socio political crise added to the economic sanctions imposed on the country have significantly impacted the overall project activities implemation. As a result no activity was undertaken for this output indicator from January through June 2022. However, the imposed economics sanctions just been lifted by ECOWAS and the implementation of project activities will start soon. The status is rated Moderate/Medium</p>				

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

State Project Output(s) in this section	Overall Project Target	Progress by June 2022	Target for the reporting period	Progress by December 2022



Number of female head of Community Early Warning Systems (Number) for flood and food security empowered or trained on early warning systems	45	0	0	0
<p>Additional information: briefly indicate, with concrete examples, the contributions to CREWS value propositions (gender-responsive, multiplier, people-centered, promote coherence, solution-oriented, unique), as relevant (150 – 200 words). Please list in bullet points.</p> <p>Since March 2021, the COVID 19 pandemics, socio political crisis added to the economic sanctions imposed on the country have significantly impacted the overall project activities implementation. As a result no activity was undertaken for this output indicator from January through June 2022. However, the imposed economic sanctions just been lifted by ECOWAS and the implementation of project activities will begin soon. The status is rated Moderate/Medium</p>				

12.2 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	Progress by June 2022	Target for the reporting period	Progress by December 2022
N/A	N/A	N/A	N/A	N/A
<p>Additional information: briefly indicate, with concrete examples, the contributions to CREWS value propositions (gender-responsive, multiplier, people-centered, promote coherence, solution-oriented, unique), as relevant (150 – 200 words). Please list in bullet points.</p> <p>N/A</p>				



13. Certification on Use of Resources

This needs to be provided at the end of the year as part of the submission of the 2nd semester report. Each Implementing Partner to provide a certification of the use of resources signed by their authorized representative.

14. Visibility products

- a. *Insert or copy any links to press releases, videos or communication items and/or social media links produced during the reporting period only*
N/A

15. Supporting documents

- a. *List and annex to the report any documents providing details on project activities conducted during the reporting period such as reports of training sessions, assessment reports, online solutions and tools, manuals, summaries of high-level discussions etc.*
➤ *the National Platform for Disaster Risk Reduction of Mali (PNRRC) made a study trip to TOGO to share experiences with actors from the Togolese platform for Disaster Risk Reduction*

16. Project History

- a. *Highlight key achievements since project started in bullet points, include all visibility and supporting documents other than those from the last 12 months*
- b. Bamako community mapping to support flood management, flood modelling, flood forecasting has been completed. Preparation of the new urban resilient project ongoing.
- c. The Gender Action Plan was further elaborated, and activities proposed in the Plan have been reviewed, with implementation starting soon.



- d.* CREWS supported training to 90 women leaders on Early Warning System (EWS) and Disaster Risk Management (DRM). CREWS is supporting the women groups to integrate EWS and DRM into their programs and conducting awareness activities in their respective intervention areas