




CREWS PROJECT STATUS REPORT
(January – December 2024)

Section 1. General Project Information

1. Project title	Mali - Hydrological and Meteorological Services Modernization	2. Project reference	CREWS/CProj/07/Mali
3. Lead Implementing Partner of the project	World Bank	4. Other Implementing Partners involved in the project	WMO
5. Operational Partners involved in the project	<ul style="list-style-type: none"> - Mali Météo, - General Directorate for Civil Protection (DGPC), - National Hydrological Department (DNH), - National Food Security Early Warning System (SAP) 	6. Project Duration/ Timeframe (from year – to year)	2017-2025
7. Current year of implementation	7	8. Total Funding Approved by Steering Committee (in US dollars), including fees	3,333,000
9. Reporting focal point(s) from Implementing Partners	Mare Lo: marelo@worldbank.org Michel Nikiema: pnnikiema@wmo.int		

Section 2. Overall rating

Interpretation of color coding		
High		The project is having good implementation progress. End-of project targets achievement or cumulative financial delivery are fully on track.
Medium		The project is having moderate progress. Implementation is facing issues. End-of project targets achievement or cumulative financial delivery are off track. Adaptive management should be undertaken immediately.
Low		The project is having less than moderate or poor progress. Implementation is not proceeding as planned facing major issues. End-of project targets achievement or cumulative financial delivery are severely off track. Requires remedial attention where restructuring may be necessary.

	Rating	Comments on delays
Rate of delivery		In the reporting period (2024), grant implementation progressed and substantially contributed to the successful completion of the Strengthening Climate Services in Mali project. A new contract was awarded to conduct a study on water resources management and flood forecasting in the Haut Bani River Basin. Several other contracts will be awarded in January 2025 providing enough confidence that the remaining resources will be fully utilized by June 30, 2025. WMO has furthermore utilized all assigned resources within the objectives of the grant.
Rate of expenditure	<p>From WB side: High</p> <p>From a total of \$2.775 million: Disbursed: \$2,142,312 Committed: \$243,309</p> <p>From WMO side:</p> <p>From a total of \$250,000 Disbursed: \$249,824 Committed:</p>	The World Bank has currently \$ 632,687 of the grant uncommitted. These resources have however been fully planned out with several contracts to be awarded in early 2025. The funds of WMO have largely been used with the remaining resources facilitating the completion of the Strengthening Climate Services in Mali project. An extension of the grant until June 30, 2025, was requested.

Section 3. Project Performance Progress

10. Progress summary	<p>What has been achieved <u>during this reporting period</u>? – Please <u>list by project outcome in bullet points</u>: progress and main achievements</p> <p>The following activities were implemented through the “Strengthening climate resilience in Mali (Hydromet)” project:</p> <ul style="list-style-type: none"> • Completion of the installation of the observation equipment of Mali Meteo and DNH with real time data transmission to their servers; • Completion of the construction of the four operational buildings (SAP’s headquarters, Mali Meteo’s forecasting center and solar PV field, DGPC’s national operations center CNOU and call processing center); • Development of a flood early warning mechanism specifically for Bamako (SACI); • Dissemination of information and key messages at national and local level via bulletins, TV, radio and website as well as social media campaign raising awareness for the SOS SECURITE application; • Operationalization of the SOS SECURITE application with more than 1 million downloads; • Training of focal points of the network of women leaders; • Establishment of a quality management system for Mali Meteo and DGPC; • Training in contingency planning and support to GLAM and SCAP-RU network;
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	In addition, the grant has supported scoping study of the socio-economic impacts of floods in Mali. The first report Pre-Disaster Baseline Data & Information Systems For Flood Preparedness, Response & Recovery In Mali is available. It was also launched the analysis of water resources management and flood forecasting in the Haut Bani River Basin expected to be finalized by May 2025.
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11. Rating of progress towards achieving CREWS Indicators

Complete the following for the selected CREWS indicators in the project logical framework, at both outcome and output level. Use the unit of measure and disaggregation level defined for each indicator¹ and provide a progress summary justification of the indicator. This summary should state the evidence on the indicator's progress and describe in detail what has been achieved and performed focusing on results.

CREWS Outcome 1: National and local multi-hazard early warning systems prioritized and funded						
Indicator	Baseline level	End-of project target level	Target for reporting period	Progress by _____ (Set as a percentage)	Progress summary justification as of _____	Progress rating ²
# of LDCs and SIDS with national investment plans and budgets prioritizing multi-hazard early warning programmes	n/a	n/a	n/a	n/a	The project is based on a robust investment plan for hydromet services in Mali, which was prepared before the launch of the grant.	
Output 1.1 A country and/or region has developed or strengthened legislative and/or institutional frameworks to support and sustain multi-hazard early warning systems						
# of national plans, strategies and legislations on early warnings approved and/or implemented	n/a	n/a	n/a	n/a	The indicator was not monitored by the grant, However, the Mali Hydromet project advanced the institutional strengthening of SAP to ANVANSA.	
# of coordination mechanisms strengthened or established to enhance collaboration	0	8	8	6 (75%)	The Mali HYDROMET project supported the implementation of 6 Standard	

on early warning among national or regional institutions					Operating Procedures (SOP) that support among others and effective coordination of early warning services.	
Output 1.2 Multi-hazard needs, gaps and priority assessments, analyses and related investment plans for early warning systems in a country or region are driven by CREWS financing						
# of multi-hazard assessments, analyses and other mapping of needs, gaps priorities that inform investment requirements on early warning	0	3	3	1	The Mali HYDROMET prepared an investment plan for strengthening flood early warning and based on the recommendations acquired the relevant observation equipment.	
Output 1.3. Partnerships and cooperation frameworks developed for financing and scaling up support to multi-hazard early warning systems						
Total volume of funds leveraged by national institutions and development partners (in USD) through CREWS investments	0	\$ 31 million	\$31 million	\$31 million	The CRWS grant enabled the preparation and implementation of the Mali HYDROMET project	
# of LDCs and SIDS benefiting from GCF resources through the GCF-SAP CREWS Scaling Up Framework	n/a	n/a	n/a	n/a	n/a	

CREWS Outcome 2: Improved early warning service delivery and accessibility by national and regional institutions

Indicator	Baseline level	End-of project target level	Target for reporting period	Progress by _____ (Set as a percentage)	Progress summary justification as of _____	Progress rating
EW Maturity Index	n/a	n/a	n/a	n/a	The indicator was not reported.	
# of hazards which pose a risk of life and economic loss for which forecasting and warning services are in place in LDCs and SIDS through CREWS support	3 (drought, floods, storms and other extreme weather events)	3 (drought, floods, storms and other extreme weather events)	3 (drought, floods, storms and other extreme weather events)	3 (drought, floods, storms and other extreme weather events)	The early warning for drought and food security has been strengthened through the GLAM and SCAP-RU network and the support to the SAP / ANVANSA network. The Mali HYDROMET project has furthermore supported the establishment of the flood early warning system.	
Output 2.1 Risk information and tools generated by countries to enable the delivery of impact-based early warnings						
# of risk data tools developed or strengthened to generate early warning products and/or support impact-based warnings.	0	1	1	1	The MALI HYDROMET project with the support of the CREWS grant prepared the SOS Securite mobile phone application that facilitates early warning. More than 1 million people have downloaded the app so far.	
Output 2.2. Monitoring, analysis and forecasting of hazards that threaten the country/region are improved and sustained by the countries						

# of functioning monitoring and observation systems established or strengthened per hazard	60	90	90	106	46 new observation stations have been installed by the project.	
# of hazards monitoring, analysis and forecasting processes developed or improved	0	1	1	1	The Mali HYDROMET project with the support of the CREWS grant prepared a flood early warning system (SACI).	
# of forecasting and prediction products developed and/or accessed from WMO Global Prediction Centers (GPCs), Regional Specialized Meteorological Centers (RSMCs) and NMHSs.	n/a	n/a	n/a	n/a	n/a	
Output 2.3 Warnings are communicated by the countries based on common alerting protocols under agreed standard operational procedures (SOPs)						
# of warnings issued in CAP format	n/a	n/a	n/a	n/a	n/a	
# of updated LDCs and SIDS entries in the WMO register of alerting authorities	n/a	n/a	n/a	n/a	n/a	
# of communication channels through which warnings are disseminated in the area	17	35	33	33	In total 33 products are available to disseminate weather and climate information (bulletins,	

covered by a prediction service for a given hazard(s)					specific warnings, etc)	
Output 2.4 Warnings are received, understood, and acted upon based on co-produced preparedness and response plans by the countries						
# of preparedness and anticipatory action plans or Standard Operating Procedures (SOPs) that are operational and linked to prediction and warning services	0	8	6	6 (75%)	The Mali HYDROMET project prepared 6 SOP on a range of issues relevant for early warning	
# of risk maps, advisory and other warning products that are available and adapted to the user group/development sector needs	0	1	1	1	The Mali Hydromet Project prepared a flood forecasting (SACI). It is operational since December 2024 / January 2025.	

CREWS Outcome 3: Early warning programmes are driven by people-centered and gender-responsive principles and promote private sector engagement

Indicator	Baseline level	End-of project target level	Target for reporting period	Progress by _____ (Set as a percentage)	Progress summary justification as of _____	Progress rating
Level of integration of people centered and gender responsive approaches ³	n/a	n/a	n/a	n/a	n/a	
Level of users' engagement	n/a	n/a	n/a	n/a	The Mali HYDROMET project	

satisfaction in the people-centered and gender-responsive approaches/activities ⁴					conducted a user engagement survey.	
Input 3.1 People of different backgrounds, gender, youth, older persons, people with disability, poor, marginalized, displaced, and non-native, as well as related institutions have co-produced climate and weather information products tailored to their needs						
# of climate and weather information co-designed to users' needs by group representing vulnerable segments of exposed populations	100	171	251	251	IN total there are 251 active SCAP-RU networks that support food security early warning and contingency planning at the local level.	
# of women and men trained through X # of capacity building programmes provided by CREWS	0	1500	2117	2117	In total 2117 people were trained by the project. The project supported 393 women leaders and members of the SCAP-RU network in coordinating and managing local food security networks and information dissemination	
# of CREWS projects that have included gender equality in early warning as an objective or outcome	0	1	1	1		
# of targeted outputs and activities	n/a	n/a	n/a	n/a	n/a	

towards gender implemented						
Output 3.2 Private sector is engaged to foster innovation and sustainability in delivery of early warning services						
# of agreements with private sector to co-finance or co-implement EWS initiatives	n/a	n/a	n/a	n/a	The project was not involved in engaging with the private sector.	

1. Risk Status

Insert ALL the risks identified at project proposal, those from previous/current project status reports, and the new risk identified for the current reporting period. If a risk has been mitigated or is no longer a risk, please specify it in the “current situation” column.

Description of risk <i>What is the cumulative risk status of the project in comparison to what was identified in the project proposal?</i>	Risk management actions. <i>What mitigation measures have been developed to address the risk status? <u>In bullet points</u></i>	Current situation <i>If mitigation measures have been undertaken, what is the current status of the risk? If a risk has been mitigated or is no longer a risk, please specify it here.</i>
The overall risk for the grant was estimated as “substantial” in the project proposal. This includes risks anticipated during the during implementation, notably with regard to the volatile security situation in Mali, but also overall capacity constraints.	Overall, the implementation risk was mitigated through additional technical support, a close coordination with the CMU on potential security related risks, travel restrictions and virtual implementation during the COVID-19 period, and online monitoring tools such as GEMS, supporting the remote monitoring of results and impacts.	The risk rating has remained valid throughout the implementation of the grant. With the ease of the COVID-19 related restrictions, travel and meeting related restrictions were lifted.

12. Knowledge management and social media

Provide a list of knowledge activities / products (when applicable) produced during this reporting period only. Include any links to press releases, videos or communication items and/or social media. Please attach with this report any supporting files, including photos, videos, stories, and other documents.

<https://hydrometmali.org/voyage-detude-du-systeme-dalerte-precoc-sap-et-de-la-direction-generale-de-la-protection-civile-a-niamey-au-niger-avec-lappui-financier-du-projet-hydromet-mali/>

<https://hydrometmali.org/formation-du-personnel-feminin-de-la-direction-generale-de-la-protection-civile-sur-lintegration-du-genre-dans-la-gestion-des-risques-et-catastrophes-et-les-activites-operationnelles-au-quoti/>

<https://hydrometmali.org/renforcement-de-la-lutte-contre-linsecurite-alimentaire-et-nutritionnelle-au-mali-%ef%bf%bc/>

<https://hydrometmali.org/atelier-de-validation-de-la-strategie-de-communication-pour-le-reseau-des-femmes-leaders-sur-la-reduction-des-risques-et-catastrophe-%ef%bf%bc/>

13. Partnerships & stakeholder engagement

<i>Optional: If the project worked with any of the following partners in this reporting period, please provide a summary of the partnership activities.</i>	
Civil Society Organisations and/or NGOs	The project works closely with among others the Red Cross Mali, AVPIP, REFEDÉ MALI, CERAD, AMAPEF, GRIDAC, AMAVF, Association Karangebou des femmes de Badalabougou, AEPF, ADESA, Association Bulumda, ADCOPS, ONG AFAD, Sahel Toguna, ENERGIA, ASFEM, APEGA
Academic Institutions	The Strengthening Climate Resilience in Mali project works closely with the University of Bamako on a Master program in disaster risk management and disaster medicine.
Private Sector	N/A

14. Impact stories

<i>Provide a brief summary of any especially interesting and impactful project result that is considered to be worth sharing in the annual report to the Steering Committee, with concrete examples of the contributions to CREWS value propositions (gender-responsive, multiplier, people-centered, promote coherence, solution-oriented, unique) (max 500 words).</i>
An example of an impact of trainings and knowledge dissemination on DRR from the project relates to the establishment of the Group of Women leaders in DRR. The trainings on disaster risk reduction that these groups received helped them tremendously during the floods that occurred in Mali in 2024. Halima, a woman who is included in the national DRM platform advised women to be involved in regional DRR committees and crisis response teams to ensure that women's voices and women's needs were included in the organization of the response. It was advised that the leaders of the Group of Women liaise with the local governors to interact in the discussions for the management of the floods in their respective areas. This was particularly relevant in the region of Segou, Mali. The project received testimonies from these women leaders.

15. Financial management

Total financing approved (in approved project proposal):	\$2,775,000
Cumulative amount for the reporting period (<i>how much has been used, actual expenditure</i>):	\$2,142,312.68
Percentage used as of (<i>state end date of reporting period</i>):	77.2%

16. Supporting documents

<i>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.</i>
Plan de communication Réseau des Femmes DGPC Règlement sur l'Organisation et le Fonctionnement du Service d'Incendie et de Secours (R.O.F.S.I.S.)/ Regulations on the Organization and Operation of the Fire and Rescue Service (R.O.F.S.I.S.)




La Formation des Sapeurs-pompiers du CNOU/Training of CNOU Fire fighters

Report from the Validation Workshop of the Operationalization of the Flood Warning System (SACI) Platform

17. Certification on Use of Resources

Each Implementing Partner to provide a certification of the use of resources signed by their authorized representative.

18. Annex. Progress rating

Interpretation of color coding		
Achieved		The indicator has achieved its end-of-project target.
Partially achieved		The indicator is on track to achieve its end-of-project target.
Not achieved		The indicator has not had any advancement towards achieving its end-of-project target.