



CREWS PROJECT PROGRESS REPORT

(July - December 2023)

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	Mare Lo: marelo@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 the World Bank financed investment project “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>Key Deliverables:</u></p> <ul style="list-style-type: none"> - Comprehensive qualitative study on potential monitoring of the quality of rivers monitored by DNH (Niger, Senegal, Volta and their tributaries) has been carried out and the provisional report of phase 3 has been validated by a workshop on 07/13/2023 at DNH offices. - Development of strategic documents, tools and databases incorporating gender issues - Preparation of draft and validation of Gender Based Violence Action Plan - Training of the Women Leaders' Network focal points on the Kobo-Collect and SOS SECURITE applications, July 27, 2023 - Training of 15 experts from SAP (food security early warning) in qualitative data analysis. - Training of members of local disaster preparedness committees (SCAP-RU) of the SAP food security early warning network. It brought together 450 people, of which 127 women (28%) and 323 men. <p><u>Significant events during the reporting period:</u></p> <ul style="list-style-type: none"> - Reception ceremony of the rehabilitated building of DSGRE (Water Resources Monitoring and Management Division), July 2023 - Workshops to revitalize the GRM (Grievance Redress Mechanism) committees set up in the regions of Kayes, Koulikoro, Ségou and the District of Bamako from August 17 to September 20, 2023 - World Bank Mission implementation support mission October 23 to 27, 2023 - Validation workshop for the Gender-Based Violence Action Plan, December 22 & 23, 2023
<p>9. Progress summary</p>	<p><u>What has been achieved during this reporting period? – Please list in bullet points the most significant and tangible outcomes? (max 250 words)</u></p> <p>The following activities were implemented through the “Strengthening climate resilience in Mali (Hydromet)” project:</p> <ul style="list-style-type: none"> • Acquisition and installation of twenty-four automatic synoptic stations and a data platform; • Acquisition of four air pollution measuring stations and computer equipment and acquisition of calibration sensors and equipment for the Forecast Center; • Two consultants trained women and supported networking of women's associations on climate-related risks and early warning mechanisms; • Development of a flood early warning mechanism specific (ongoing); • Dissemination of information and key messages at national and local level via bulletins, TV, radio and website; • Training of Mali Meteo experts in first level operation and maintenance of weather radars



	<ul style="list-style-type: none"> • Training of focal points of the network of women leaders on the Kobo-Collect and SOS SECURITE; • Workshops related to grievance redress management committees in the regions of Kayes, Koulikoro, Ségou and the District of Bamako;
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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	Disbursement as of December 2023 From WB side: Disbursed: USD 1,992,742.46 Committed: USD 351,485 From WMO side: Disbursed: USD 242,887 Committed: USD 372	While the restrictions related to the COVID-19 pandemic have been fully lifted, project implementation remains substantially restricted due to the widespread insecurity and related travel restrictions. Notably international consultants are largely not able to travel to Mali due to security constraints and negative travel advice. In addition, visa restrictions have been put in place for French citizens to visit Mali and Malian citizens to visit France.	Fully aligned on the CREWS objectives as well as the country development priority.



11. Risk Status

Risk Status	<p>What is the current risk status as compared to what was identified in the project proposal?</p> <p>With the permanent insecurity in Mali in the center, southern and northern parts of the country, the implementation of bank executed activities remain restricted to a few areas, notably Bamako. This situation continues to affect negatively project implementation. The current risk status remains high with the return to fighting in the center and north of the country.</p>
Measures to address	<p>What mitigation measures have been developed to address the risk status? In bullet points</p> <ol style="list-style-type: none"> 1.) Activities in the field are largely conducted through the establishment of the local networks of women leaders, the GLAM (Agrometeorological Assistance Group) and the SCAP-RU (Community Early Warning System for Emergency Response) to support the basic implementation of the project, particularly in the field. In addition, many activities have been moved to the capital Bamako to limit the necessary travel. 2.) Remote monitoring tools (e.g. using cell phone surveys and using the GEMS approach) have been introduced to support basic project implementation, notably in field locations. This is then combined with traditional survey methods. 3.) Development of a GBV Action plan including a Logical Framework

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 2023	Target for reporting period	Progress by December 2023



<p>(1) (X) products and services delivered by MALI METEO and DNH .</p> <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>	35	21	21	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>The project contributed to the CREWS value proposition in several ways: First, the Strengthening Climate Resilience Project supported the network of women leaders and actively promoted the role of women in weather and climate services. In addition to various training activities, the project actively supported women's participation in local preparedness committees (SCAP-RU) and local agro-meteorological support committees (GLAM). A total of 71 SCAP-RUs and 36 GLAMs were supported, mostly with women participating and, in some cases, leading these committees. This is particularly important given the social and economic context of Mali.</p> <p>Secondly, the project supported a change in the way the four units operate through the formulation of various standard operating procedures, quality control mechanisms and a business plan. It is expected that this has led to a change in the operating model of the four entities and has strengthened their institutional sustainability.</p> <p>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 2023	Target for reporting period	Progress by December 2023
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 awrning	50	15	15	15



<p>system chain, from data collection to the end users. CREWS will play main role in the system functioning.</p>				
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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.

The development of the image box (conflict management, gender-based violence, disaster risk reduction) has helped to achieve CREWS' objectives.

Several activities to collect meteorological or risk-related data, communication, information systems, animation and networking, and awareness-raising on gender-related violence have already been carried out.

- Training of 10 senior technicians in hydrology, hydrological measurements, data management, exploitation of measurement data
- A new generation of more gender-oriented SCAP-RU is being prepared to strengthen women participation to the food security EWS. Recommendations were formulated in October 2023 and ToRs drafted for the activity that will be launched in early 2024. The objective of deploying these community structures was to monitor and issue alerts regarding risk factors likely to generate and or exacerbate food and nutritional insecurity within the country.

The establishment of SCAP-RU is a continuous activity throughout the project and this year, thirty (30) of these structures were set up in the Cercle of:

o Kayes: the commune of Marena-Diombougou (Marena-Diombougou, Diataya, Banaya, Saboucire-Sambala and Madina-Kouta) and the commune of Marintoumania (Marila, Marintoumania, Saboucire-Madigata, Oualila and Tintila).

o Diéma: the commune of Diéma (Bilibana, Dampa, Guemou, Tinkare, Nafadji, Sourenguedou) and the commune of Fassoudébé (Bella, Djoba, Guimbana and Fassoudébé).

o Kita: the commune of Badia (Daféla, Makana-Birgo, Gontan, Boro and Toumoumba) and the commune of Kita Ouest (Koféba, Toumoundoto, Horongo, Fatafing and Douri).

- The trainings of SCAP-RU members were the logical continuation of the previous activity. They brought together 450 people including 127 women. In order to improve the quality of the data collected during the surveys, SAP trained 260 agents on modern data collection tools using tablet computers for almost real-time data feedback with supporting coordinates of the collection points.

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 2023	Target for reporting period	Progress by December 2023
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	5	5	5
Number of local food security and nutrition monitoring (SAP) groups equipped with adequate communication tools	Annual report on service deliver for farmers	2	2	2
<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). <u>Please list in bullet points.</u></p> <p>The project supported various activities to strengthen communication and information management, including training of focal points of the women's leadership network on the KoboCollect and SOS SECURITE applications, workshops to revitalize existing grievance redress management committees, and the preparation of a flood early warning application. In addition, the smartphone-based "SOS Security" application has been operational since early 2023, providing a unique platform for targeted and rapid communication, coordination of responders, and information dissemination. The project has contributed to the provision of training for the use of the "SOS Security" platform. Direct beneficiaries include the beneficiaries of the agro-meteorological support groups (GLAM) as a community early warning system for emergency response (SCAP-RU), as well as those who have used community radios and the related weather and climate information disseminated, or who have benefited from specific capacity building activities.</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 2023	Target for reporting period	Progress by December 2023



CREWS will provide training to DGPC staff to operationalize the National Center for Emergency Operations and disseminate early warning information	300 DGPC staff trained	4	4	4
<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>The regional and local civil protection directorates supported the implementation of this activity.</p> <p>People trained by Mali Hydromet project</p> <ul style="list-style-type: none"> 929 people took part in the training on the SOS SECURITE application, including 276 DGPC agents (223 men and 53 women). 				

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 2023	Target for reporting period	Progress by December 2023
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%	20	20	20
<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>The networks of women leaders, GLAM and SCPRU have supported the implementation of this activities</p> <p>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 2023	Target for reporting period	Progress by December 2023
Number of female head of Community Early Warning Systems (Number) for flood and food security empowered or trained on early warning systems	45	50	50	50
<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>The status is rated Moderate/Medium</p> <p>The status of implementation of gender activities has been reviewed. The project assesses the project's gender activities as moderate. These activities are directly linked to the logical framework of the Gender Action Plan for the Hydromet Mali project. Notably, since the last mission in February 2023, the project has carried out several activities, among others: (i) assessment of the project's GBV risks and the development of the draft GBV Action Plan; (ii) training of focal points of the network of women leaders on the KoboCollect and SOS SECURITE applications; (iii) workshops to revitalize the complaints management committees established in the regions of Kayes, Koulikoro, Ségou and the District of Bamako (iv) sharing of the methodological guide and the image box in the field of SAP, RRC, Management of conflicts and GBV</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 2023	Target for reporting period	Progress by December 2023



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). <u>Please list in bullet points.</u></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*
<https://www.linkedin.com/feed/update/urn:li:activity:7087109586674929665/?originTrackingId=OMvFDaanRoKukJ9fr5iG%2Bw%3D%3D>
<https://www.linkedin.com/in/hydromet-mali/recent-activity/images/>

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.*

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

1. Training of 10 senior technicians in hydrology, hydrological measurements, data management, exploitation of measurement data
2. Draft gender plan of action
3. Training of 15 managers from the central SAP system in qualitative data analysis.
4. SCAP-RU training was the logical follow-up to the previous activity. It brought together 450 people, including 127 women (28.22%) and 323 men.