



CREWS PROJECT PROGRESS REPORT

(January - June 2022)

1. Project title	Niger - Early Warning Services Modernization	2. Project reference CREWS/CProj/07/ Niger
3. Implementing Partners involved in the project	World Bank (Lead) World Meteorological Organization	4. Regional/National Partners involved in the project <ul style="list-style-type: none"> • Ministry of Humanitarian Action and Disaster Risk Management (MAH/GC) which ensures CREWS Coordination • General Directorate of Civil Protection (DGPC) • General Water Resource Directorate/National Hydrologic Directorate (DGRE/DHL) • National Meteorological Directorate (DMN); • Coordination Cell of Early warning system (CC/SAP) of food security National Agency for Information society (ANSI)
5. Project Duration/Timeframe (from year – to year)	December 2017 – December 2022	6. Total Funding Approved by Steering Committee (in US dollars), including fees 2,740,000
7. Reporting focal point(s) from Implementing Partners	Claudia Soto, Disaster Risk Management specialist: csoto@worldbank.org Pinghouinde Michel Nikiema: pmnikiema@wmo.int	



<p>8. Project overview</p>	<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\$ 2.74 million - implemented by the WB/GFDRR and WMO.</p> <p><u>Leveraging</u>: CREWS Niger is implemented in close synergy with the Niger Disaster Risk Management and Urban Development Project (P145268) and the Climate Smart Agriculture Project (P153420), both financed by IDA, and Climate Information Development and Forecasting (PDIPC) investment project financed by AfDB-AfDF. The immediate response mechanism (IRM) activated on November 2020 following the unprecedented 2020 flooding in Niger contributed with US\$55000 to establish a communication strategy with its action plan to prevent the (re) settlement of the population in the areas with flooding risk. The CREWS Niger is also informing the preparation of the IDA-financed US\$250M Niger Integrated Urban Development and Multi-sectoral Resilience Project (P175857) planned for board approval in FY22 as well as West Africa Food System Resilience Program (P172769 – US\$45M for Niger), which was approved in November 2021. The amount of funding leveraged is US\$28M (US\$10M from P145268, US\$5M from P153420, US\$13M from PDIPC) or x10.</p> <p><u>Significant events during the reporting period:</u></p> <ul style="list-style-type: none"> • <u>Developed the investment plan for HYDROMET services improvement</u> • <u>Participation of the Government counterparts to the UNDRR Global Platform for DRR in Bali, Indonesia</u>
<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>The main milestones during the period include the completion of the diagnostic study of hydromet and early warning system and the development of an investment plan. The project also supported the participation of the national counterparts in the CREWS events organized during the Global Platform for Disaster Risk Reduction in Bali, Indonesia.</p> <ol style="list-style-type: none"> 1. Under the the doagnosisic study in hydromet and early warning system, an investment plan was produced to support the design of the Hydromet/EWS components envisioned in the Niger Integrated Urban Development and also the West Africa Food System Resilience Program. This Investment Plan identifies investment needs for strengthening and transforming the National Meteorology and Hydrology Service (NMHS) of Niger and the three associated response organisations. The NMHS is made up of the National Meteorological Service and the



National Hydrological Service, including Direction de la Météorologie Nationale (DMN-Niger) and Direction Générale des Ressources en Eaux (DGRE)

In addition, this assignment has engaged with three organisations involved in response to hydrometeorological threats, namely:




- Cellule de Coordination du Système d’Alertes Précoces (CC/SAP)
- Direction Générale de la Protection Civile (DGPC) – includes the Centre Opérationnel de Veille d’Alerte et Conduite des Crises (COVACC)
- Direction de la Prévention et Alertes aux Catastrophes du Ministère des Affaires Humanitaires et de la Gestion des Catastrophes (DPAC/MAHGC).




This Investment Plan includes a cost-benefit analysis and guidance for sustaining hydromet and early warning services

2. The participation of CREWS counterparts at the Global Platform for DRR provided an opportunity to share lessons learned and to contribute to an external evaluation of CREWS. The Nigerien representatives highlighted good practices such as bringing together key actors in disaster risk reduction, co-producing tools and more coordinated interventions enabled by the CREWS project, while effective monitoring and evaluation were mentioned as a challenge. Furthermore, the delegation emphasized that the continuation/follow-up of CREWS would help consolidate the outcomes of the current CREWS project, and bring in new ideas such as public-private engagements.
3. 3 Consultants (a hydrologist, a meteorologist and an expert in strategy development) are finalizing the Strategic Plan with a National Framework for Climate, Meteorological and Hydrological Services, which includes an action plan, a master plan of the hydrometeorological observation network, and production costs for various tailored services including that for effective dam operations. The plan would allow the DMN (Directorate of National Meteorology) and DGRE/DHL (Directorate General for Water Resources-DGRE / Directorate of Hydrology-DHL) to improve their respective organizational management, setting priorities and focusing actions and resources to jointly develop and deliver services according to the needs of end users in the country



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>Disbursement June, 2022</p> <p>From WB side: Disbursed \$2.145.676 of total amount</p> <p>Committed \$95.323</p> <p>From WMO side: Disbursed \$192,691 of total amount</p> <p>Committed \$51,159</p>	<p>Due to Covid-19, some activities related to the organization of training workshops were cancelled to avoid any reputational risk for the Bank in case of contamination would have occurred, then, the resources were used for the realization of the HYDROMET and SAP diagnosis to realize an investment plan that aims to strengthen these sectors in Niger. This investment plan is being finalized.</p>	<p>Project remains aligned to CREWS objectives.</p>



4. Risk Status

Risk Status	<p>What is the current risk status as compared to what was identified in the project proposal?</p> <p>Medium/Moderate: In addition to difficulties to implement some activities because of limited capacity, the COVID-19 situation caused additional delays on implementation of mains activities started since 2020.</p>
Measures to address	<p>What mitigation measures have been developed to address the risk status? In bullet points</p> <p>As it is difficult to develop certain activities which need to gather or bring many people together, it'll be necessary to identify those which need only to hire the short term consultant (STC) at local level, Agreement with CMU to relaunch certain training planned by DGPC and CC/SAP stopped due to the Covid-19 pandemic measures, to do them in 2022.</p>

5. Contributions to CREWS Output(s)

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

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	Progress by December 2021	Target for reporting period	Progress by June 2022

<p>Output 1.1: Availability of improved daily weather forecast bulletins by Hydro and Met services. These should include forecasts of extreme weather and droughts by the National Directorate for Meteorology (DMN) and of floods and low flows in the Niger and Komadougou Rivers by the Directorate of Hydrology (DHY).</p>	3	2	1	0
<p>Output 1.2: Enhanced capacity of DMN and DHY services in data analysis and processing. Currently DMN and DHY produce monitoring bulletins in relation with drought (food security) and riverine flooding (in the Sirba watershed and in Niamey). By the end of the project, flash flooding will also be forecasted and monitored.</p>	3	2	1	0
<p>Output 1.3: Enhanced capacity of DMN in meteorological and climate observing, by training of observers in codes and observations, measurements in altitude, cartography, IT and airport practical training (number of observers trained)</p>	20	20	0	0
<p>Output 1.4 : Strategic plans established for NMHSS, guiding the capacity development of national services for 2022-2026</p>	2	2	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> <ul style="list-style-type: none"> 1.1 and 1.2: Within the framework of their regalian function and with the competences acquired thanks to the CREWS, the HYDROMET structures (MND and DHY) continue to publish the vigilance bulletins. The DMN publishes daily forecast bulletins from Monday to Friday and a weekend bulletin published Friday evening. This periodicity gives a total of 6 bulletins produced and distributed during the week. In addition to that, forecast bulletins are produced and broadcast on national television to reach the whole country and even beyond. the DHL when it publishes decadal notes on the flows on the basis of information provided by some automatic stations and data provided by observers in place at the level of the monitored stations. At this level, the DHL regularly produces a decadal note on the 				



flow of rivers in Niger (Niger River, certain tributaries of the river such as the Sirba, the Goroul, the Gouroubi, Komadougou, Komadougou, etc.)

- 1.4: The activity carried out during the period was the conduct of the diagnostics study of hydromet and early warning system and the development of an investment plan. The investment plan produced aim to support the hydromet activities planned under IDA-financed investment projects. This Investment Plan identifies investment needs for strengthening and transforming the National Meteorology and Hydrology Service (NMHS) of Niger and the three associated response organizations (CC/SAP, DGPC and MAH/GC).

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 December 2021	Target for the reporting period	Progress by June 2022
Output 2.1: National communication strategy	1 communication Strategy document	ToR	Draft startegy	Draft strategy
Output 2.2: National communication plan	1 national communication plan	1	Completed	Completed

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.

No additional activities were conducted during the reporting period with CREWS resources. However, the immediate response mechanism activated by the WB in response to the floods disaster which occurred in 2020 has allowed the Government to make a strategy to reinforce awareness on floods and other extreme events which could turn into disasters. This document and the plan of action for its implemente will be available soon.



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 December 2021	Target for the reporting period	Progress by June 2022
Output 3.1: Availability and access to a communication system to deliver timely and adequate alert to vulnerable communities based on the national alert code	Wide diffusion of the national alert code	3 new spots produced by MAH/GC	NA	NA
<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>No additional activities were conducted during the reporting period directly by CREWS but, the COVACC is supporting the GSM companies to broadcast timely vigilance messages by SMS informing the population on the impact of current floods and giving them some advice.</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 December 2021	Target for the reporting period	Progress by June 2022
Output 4.1: Establishment of operational center for Monitoring and Conduct of Crises (COVACC) and the adoption of the national alert code	COVACC is operational	The deconcentrated structures of COVACC are being set up in the regions	8	none
Output 4.2: Training workshop on Communal Preparedness Planning		2 regions and 97 mayors trained	Posponed	Postponed



Output 4.3: Training workshop on Disaster local impact assessment	The capacity of the 66 local team enhanced		Postponed	Postponed
Output 4.4 Operational Center for Monitoring and Conduct of Crises (COVACC)	Monitoring and evaluation of the impact of crisis	Data collected and disseminated on behalf of the government structures working in the events of concern.		
Output 4.5 Multi-risk Contingency plan established		N/D	N/D	N/D
<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> <ul style="list-style-type: none"> • 4.4: Collection and dissemination of flood data timely by the COVACC : A national mechanism with a cell headed by the MAH/GC and regional committees coordinated by the governorates work on a weekly basis to collect, process and disseminate data through the COVACC. From these data, appropriate vigilance or alert messages are produced and disseminated via national media channels, GSM, etc. • 4.5: A flood contingency plan was produced by the MAH/GC with the contribution of all actors with the CREWS structures at the center of action and adopted by the Government! 				

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 December 2021	Target for the reporting period	Progress by June 2022
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Output 5.1: Organizing a study trip on Tunisia to explore a model of a CRIMSON solution			Cancelled	
Output 5.2: Development of skits and other products for awareness and flood warning by MAH/GC	At least two products developed	3	0	0
	Kit for prevention of Covid-19.	0	0	0
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. <ul style="list-style-type: none"> 5.2: Vigilance SMS messages broadcast by the GSM companies 				

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

State Project Output(s) in this section	Overall Project Target	Progress by December 2021	Target for the reporting period	Progress by June 2022
Output 6.1: Women training on EWS and disaster risk management	600 women trained and sensitized	Achieved	completed	completed
Output 6.2: Training on improving the presentation of television bulletins by DMN	5	5	completed	completed
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>No additional activities were conducted during the reporting period.</p>				



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	Progress by December 2021	Target for the reporting period	Progress by June 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). <u>Please list in bullet points.</u></p> <p>N/A</p>				

11. 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.

6. 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*

7. 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.*

8. 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*

- *Development of a diagnostic and modernization plan of weather, climate, water and early warning services in Niger is on-going. This plan will be closely articulated with the respective strategic plans for DMN (meteorology) and DH (hydrology).*
- *A National Alert Code is officially endorsed and operational.*
- *Trainings on EWS and DRM were delivered for 600 women leaders around the eight regions of Niger. Trainings were carried out for 20 meteorological observers, in partnership with AGRHYMET.*
- *The user training of PADRE database was conducted for technicians from the Ministry of Humanitarian Action.*