



CREWS PROJECT PROGRESS REPORT

(January - June 2022)

1. Project title	DR Congo - Strengthening Hydro-Meteorological and Early Warning Services	2. Project reference CREWS/CProj/01/DRC
3. Implementing Partners involved in the project	World Bank (Lead) World Meteorological Organization	4. Regional/National Partners involved in the project Agence Nationale de Météorologie et de Télédétection par Satellite (Mettelsat)
5. Project Duration/Timeframe (from year – to year)	December 2017 – June 2023 (extension granted in June 2022)	6. Total Funding Approved by Steering Committee (in US dollars), including fees 3,090,000
7. Reporting focal point(s) from Implementing Partners	Christian Vang Eghoff – ceghoff@worldbank.org Bernard Gomez – begomez@wmo.int Koffi Hounkpe - khounkpe@worldbank.org - in cc Jean-Baptiste Migraine - jbmigraine@wmo.int - in cc	
8. Project overview	<p>Please include objectives, key project deliverables, leveraging, contextual information/statistics, significant events during the reporting period in bullet points. (max 250 words)</p> <ul style="list-style-type: none"> • The Grant development objective is to improve the quality of the Government of the DRC’s hydro-meteorological and climate services in selected sectors. • The CREWS funding seeks to improve the country’s hydromet services through: <ul style="list-style-type: none"> ○ Strengthening institutional, partnerships and regulatory frameworks and capacity building for early warning ○ Provision of technical assistance to Mettelsat at national level for early warning procedures and at local level for early warning systems in selected watersheds 	

Field Code Changed

Field Code Changed



	<ul style="list-style-type: none"> ○ Development of QMS for aviation meteorology and institutional support on cost recovery from aviation ○ Supporting Mettelsat development strategy ● The CREWS financing is implemented by the World Bank (US\$2,790,000) and WMO (US\$300,000). Subdivided into two components: <ul style="list-style-type: none"> ○ Component A: Institutional and regulatory strengthening, capacity building and implementation support (cost US\$0.95M): (i) strengthening the partnerships between MettelSat, civil protection, RVF and RVA relevant to early warning systems (severe weather, flash flooding); (ii) institutional strengthening; (iii) capacity building ○ Component B: Improvement of hydromet information service delivery (cost US\$2.14M) in line with the global framework for climate services. This component supports (i) identification of requirements by decision-makers and the population at-risk; and (ii) support the design and production of more accurate, timely and relevant warnings and information. Thus, the component strengthens the capacity of specific users for optimal use of products and services relevant to early warning systems. ○ It leverages the Strengthening Hydro-Meteorological and Climate Services Project, US\$8M (US\$5.3 GEF, US\$2.7M GFDRR) <p>Significant events during the reporting period: The project was extended by 6 months <u>1 year</u> to January 15 June 30, 2023 to allow full finalization of several ongoing activities (hydromet equipment installation, development of Quality Management System, Early Warning System, etc.). CREWS was extended by one year to support the project and provide tail-end support to sustainability of results.</p>
<p>9. Progress summary</p>	<p>What has been achieved during this reporting period? – Please list in bullet points the most significant and tangible outcomes? (max 250 words)</p> <ul style="list-style-type: none"> - The project successfully installed hydromet equipment in nine of 12 planned sites (synoptic stations) and in two watersheds.

Commented [HTW1]: Different extension date.



	<ul style="list-style-type: none"> - An updated draft sector law is available. - The National Framework for Climate Services was established by Decree and promulgated. - More than 120 MettelSat staff trained <u>on operation and use of installed hydromet equipment.....</u> - The open-source climate database (MCH) was installed on MettelSat servers to facilitate project support to entering and safeguarding of historical climate data, which has been stored on paper until now. Digitizing of data is ongoing. - CREWS continues to support capacity <u>strengthening of MettelSat and Civil Protection strengthening</u> to improve usage of data generated from the equipment. - <u>Formulated and communicated draft terms to METTELSAT for preparation of a masterplan for the meteorological and hydrological networks.</u> - <u>Constituted a team with METTELSAT for the organization of a high-level to promote the project and drum up support for efforts geared towards sustainability of the investments.</u> - <u>Engaged ASEANA (management of meteorological data transmission hub in Brazzaville) for technical assistance to METTELSAT to facilitate data sharing with the rest of the world</u>
--	---

Commented [HTW2]: For which sector and what does this include?

Commented [HTW3]: Could you kindly add on what these staff were trained on? % of women staff trained? What was the purpose of the training?

Commented [MLKM4]: Of which institutions?

Commented [HTW5]: Of which institutions?

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 \$1,557,571 (62% of total amount)</p> <p>Committed \$95,189</p> <p>From WMO side: Disbursed \$xxx199,222 (xx66% of total amount)</p> <p>Committed \$84,000xxx</p>	<p><u>The delivery and installation of hydromet equipment and some other key activities (QMS, training plan) was delayed but is expected to be completed</u></p>	

11.Risk Status



Risk Status	<p>What is the current risk status as compared to what was identified in the project proposal?</p> <p>The current risk status of the project is <u>medium</u> <u>relatively high</u>, largely linked to the <u>limited-fluctuating commitment of the sector ministry to assure cost-sharing of meteorological revenue from civil aviatiions</u> <u>commitments</u>.</p>
Measures to address	<p>What mitigation measures have been developed to address the risk status? In bullet points</p> <p>Closer monitoring is envisaged to ensure the delivery of activities. The World Bank, WMO and a number of international and local experts are all involved to support the delivery of <u>activities to develop a business plan and support financial sustainability of MettelSat activities</u>. Continued advocacy with national authorities for sustainability of the project's investissements.</p>

Commented [MLKM6]: Or medium to high as stated in the interim report. Kindly elaborate on the limited commitments. Commitments from who? Why?

Commented [MLKM7]: Please cite mitigation measures to address the risk due to limited commitments.

12. 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
Assessment of capacity for early warning of drought, heavy precipitation, river flooding, flash flooding, wind storm and recommendations for improvement	100%	75%	100%	80%
Assessment of user needs (3 stakeholders/users workshops organized)	100%	50%	100%	150 100%



Development and/or review of memorandums of understanding (MoUs) with users	100%	100%	100%	100%
Implement a capacity development and training program for staff (including operational training for technicians and engineers, meteorologists and hydrologists)	100%	75%	100%	85%
Development of the MettelSat Strategy, Action Plan and Business Plan	100%	60%	100%	65%

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.

CREWS has supported the entire list of outputs, with some lethargy in uptake by MettelSat. This has a multiplier effect, as the project is expected to generate a wider range of benefits to different users, impacting a considerable number of people over its lifecycle, including better hydromet informaiton to specific user groups and the general population.

Commented [MLKM8]: Kindly cite examples on contributions to the CREWS value propositions.

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
Development of a national risk geoportal and development of hazard, exposure and vulnerability	100%	90%	100%	90%



information for flood risk assessment and impact forecasting				
Establishment of the National Framework for Climate Services	100%	90%	100%	100%
<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 NFCS was finalized and promulgated by decree. CREWS will continue to support its <u>operationalization, contributing to an integrated and inclusive programming through better alignment of stakeholders operationalization</u>. Operationalization of the NFCS will lead to the active <u>interaction of providers of weather, water and climate services with the user-community, thus giving representatives of exposed communities and sectors a platform to present their needs, learn from best practices and be served with products and services that are fit-for-purpose.</u></p>				

Commented [MLKM9]: Kindly cite examples on contributions to CREWS value propositions.

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
Development of operational procedures to convert extreme weather forecasts (rains, floods, winds, heat waves) in potential impacts	100%	60%	100%	70%
Elaboration of Quality Management Systems for air navigation meteorological services and the recovery of meteorological services rendered to RVA	100%	75%	100%	80%
<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>				



Both activities have advanced less than planned, but the project extension is expected to allow for full completion of activities, with CREWS support. The operational procedures contribute to bringing life-saving and people-centered early warnings to the communities that need them by making early warning on extreme weather events to population at risk and enabling Civil Protection to act on the information in collaboration with communities.

Commented [MLKM10]: Kindly cite examples on contributions to CREWS value propositions.

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
Risk mapping and emergency response plans for municipalities including training of operational and decision-making civil servants	100%	20%	100%	20%

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 activity is part of the contract to install hydromet equipment and as the installation wraps up, focus will be on the EWS, thus translating hydromet information to people-centered EWS. EWS- making early warning on extreme weather events to population at risk and enabling Civil Protection to act on the information in collaboration with communities.
An updated draft meteorological law is available to improve legislative clarity on issues such as sector governance, institutional responsibilities and related sources of funding

Commented [MLKM11]: Kindly cite examples of contributions to CREWS value propositions.

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



Community focus groups for flood risk mapping and awareness	100%	30%	100%	30%
Study tour for the 4 institutions contributing to early warning (MettelSat, DPC, RVF, CVM)	100%	0%	100%	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 in bullet points.</p> <p>MettelSat participated to several international events, <u>contributing to better coherence and coordination of programmes with international partners.</u> but No study tours have been organized. No further focus groups have been carried out.</p>				

Commented [MLKM12]: I understood from the last report that this activity has been dropped. Please confirm. If it is, no need to include this in the report.

Commented [MLKM13]: Kindly cite examples of contributions to CREWS value propositions.

Formatted: Normal

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
Women participation in training and decision-making venues sponsored by CREWS	30%	10%		
<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 gender breakdown for the period is not <u>available</u> from MettelSat due to changes to management and reporting gaps <u>available</u>.</p>				

Commented [MLKM14]: Kindly cite examples of contributions to the CREWS value proposition.

Commented [MLKM15]: How come?

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
<u>N/A</u> Capacity strengthening of RSMC-Dakar	<u>N/A</u> 100%	<u>75%</u> <u>N/A</u>	<u>100%</u> <u>N/A</u>	<u>100%</u> <u>N/A</u>
<u>Seasonal climate outlook</u>	<u>100%</u>	<u>75%</u>	<u>100%</u>	<u>100%</u>
<u>Common alerting protocol (CAP)</u>	<u>100%</u>	<u>0%</u>	<u>100%</u>	<u>25%</u>
<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><u>N/A</u>Regional Specialized Meteorological Centre in Dakar, Senegal (RSMC-Dakar) provided training on severe weather forecasting and provides forecast products for RDC on its website; ACMAD continues to convene Regional Climate Outlook Forums (e.g. PRESAC-15); designation of focal person and training on CAP initiated.</p>				

13. Certification on Use of Resources

Commented [HTW16]: No need to fill out this section.

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*

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*

- *Launched the process of the drafting of the meteorological law.*
- *A long-term training program for Mettelsat has been developed, to be validated shortly.*
- *Leveraging and informing the technical design of the WB DRC Strengthening Hydro-meteorological and Climate Services Project (P159217).*
- *The elaboration of Quality Management Systems for air navigation is nearing completion.*
- *The conversion of analog data to digital (data rescue and digitization) is ongoing.*