



## CREWS PROJECT PROGRESS REPORT

(January - June 2023)




<b>1. Project title</b>	Togo - Hydromet and Early Warning Services	<b>2. Project reference</b> CREWS/CProj/12/Togo
<b>3. Implementing Partners involved in the project</b>	World Bank (Lead) World Meteorological Organization (WMO)	<b>4. Operational Partners involved in the project</b> National Civil Protection Agency(ANPC) General Directorate of National Meteorology (DGMM) (Nouvelle Agence de la Meteorologie Nationale, ANAMET)Water Resources Department (DRE)
<b>5. Project Duration/Timeframe (from year – to year)</b>	September 2019 – September 2024	<b>6. Total Funding Approved by Steering Committee (in US dollars), including fees</b> <b>2,365,000</b>
<b>7. Reporting focal point(s) from Implementing Partners</b>	Koffi Hounkpe, <a href="mailto:khounkpe@worldbank.org">khounkpe@worldbank.org</a> Tania Gascon, <a href="mailto:taniagascon@wmo.int">taniagascon@wmo.int</a>	




<p><b>8. Project overview</b></p>	<p><b>Please include objectives, key project deliverables, leveraging, contextual information/statistics, significant events during the reporting period <u>in bullet points</u>. (max 250 words)</b></p> <p><b><u>Objective:</u></b> To improve the country’s EWS for drought, flooding and other severe climate and weather events by enhancing the capacities of national services in charge of meteorology and climate; hydrology; civil protection.</p> <p><b><u>Significant events during the reporting period:</u></b></p> <ul style="list-style-type: none"> <li>• Training in DRR and generating revenue activities of 30 women from mother’s club in Anie from 03 to 08 March 2023 and Kloto from 09 to 11 March 2023</li> <li>• Joint WMO and World Bank workshop on mid-term review of the implementation of CREWS Togo, coordinated by ANAMET, ANPC and DRE, March from 13 to 16, 2023</li> <li>• Visiting mission of the World Bank URL Unit Practice Manager 24 March 2023</li> <li>• Panel of discussion with University of Lome lecturers on the challenges of DRM on 30 May 2023</li> <li>• Development of flood vulnerability maps in 34 municipalities from 19 Jun to 08 July 2023</li> <li>• Development of Tors for the recruitment of the firm in charge of the Study of flooding in the Greater Lome</li> <li>• Interviews with PULSONIC, AGRHYMET, DMN Morocco and Burkina Faso on integration of weather data into ANAMET data base, March and Mai 2023</li> <li>• Interviews with DRE and Ministry of Water and Village Hydraulics on hydrological data management from Abril to Mai 2023;</li> <li>• Training on seasonal hydrological forecasting, as part of the development of operational seasonal forecasting system in Togo (PRESA-TO) by LACEEDE from 28 May to 01 June 2023;</li> <li>• Training on production of agrometeorological bulletins by Weather Force from 15 to 29 June 2023</li> </ul> <p><b>Leveraging information</b></p> <ul style="list-style-type: none"> <li>• Training for women has enable to leverage UNDP resources to scale up this activity in Kpendjal prefecture to build women's resilience</li> <li>• Women from the locality of the prefecture of Bas mono has requested to benefit from similar training</li> <li>• Beneficiary women trained other peers once they returned to their locality</li> </ul>
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<p><b>9. Progress summary</b></p>	<p><b>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)</b></p> <ul style="list-style-type: none"> <li>• 30 women trained on DRM and revenue generating activities (tomato conservation, soap and ointment manufacturing, syrup of ginger and grated ginger, manufacture of fertilizer by composting)</li> <li>• 924 maps and 60 explanation notes distributed to beneficiaries municipalities and for key stakeholders (Mayors, Red Cross, technical groups and associations, etc.) as decision making tools</li> <li>• 124 participants of which 29 women at the panel of discussions</li> <li>• Discussion between the URL Practice Manager and 124 members of which 29 women of the National Platform of Disaster Risk Reduction</li> <li>• Recruitment of the firm in charge of the Study of flooding in the Greater Lome</li> <li>• Recruited AFO Bidjoa as national consultant to prepare a request to the Public Investment Program (PIP) to improve infrastructure and weather forecasting system (<a href="#">ToRs</a>, <a href="#">Initial report February 2023</a>)</li> <li>• CREWS Togo mid-terms review mission and identification of achievements and priorities on warning services from national institutions (<a href="#">Presentation</a>, <a href="#">mission report Mars 2023</a>)</li> <li>• Supported DRE on facilitating access to hydrological data (<a href="#">ToRs March 2023</a>)</li> <li>• Prepared concept note to support improvement of operational meteorological forecasting by the National Meteorological Service of Morocco (<a href="#">Concept note Mars 2023</a>)</li> <li>• Prepared concept note to improve seasonal climate forecasting and identified consultants (<a href="#">Concept note Avril 2023</a>)</li> <li>• Report on mid-term evaluation of CREWS Togo implementation support mission (<a href="#">Evaluation report Mai 2023</a>)</li> <li>• Developed prototype of ANAMET web site for ANAME by Toro Group hired by ANAMET (<a href="#">ToRs</a>, <a href="#">web site Mai 2023</a>)</li> <li>• Recruited Maleki Badjana as consultant to support improvement of hydrological data management and update rating curves (<a href="#">ToRs</a>, <a href="#">initial report June 2023</a>)</li> </ul>
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	<ul style="list-style-type: none"> <li>• Developed monitoring of NFCS by the consultant Koukou Tchamba and user manual (<a href="#">Draft user manual June 2023</a>), and engaged Pascal Yaka as consultant to advise on operational application and improvements.</li> <li>• Recruited Yéndoubé Demakou as national consultant to develop the institutional strategic plan of ANAMET (<a href="#">ToRs</a>, <a href="#">Initial report June 2023</a>)</li> <li>• Consolidated platform for agrometeorological monitoring and delivered operational training on the production of agrometeorological bulletins and drought monitoring by Weather Force (<a href="#">Minute June 2023</a>)</li> <li>• Continue weekly briefing on analysis of seasonal trends during the Mousson season by MISVA (<a href="https://misva.aeris-data.fr/">https://misva.aeris-data.fr/</a>)</li> </ul>
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## 10. Project Performance

Interpretation of color coding		
<b>High</b>		Good progress; on track in most or all aspects of delivery
<b>Medium</b>		Moderate progress or on track in some aspects of delivery
<b>Low</b>		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			



<p><b>Narrative</b></p>	<p><b>From WB side:</b> Disbursed: 598,305 Committed: 297,395</p> <p><b>From WMO side:</b> Disbursed: USD 386,042 Committed: USD 372,121</p>	<p>The delivery rate is increasing due to direct support through missions (technical/training/capacity building) and new partners/experts hired to provide direct support in Togo.</p>	<p>The goals of the CREWS project is fully aligned to the priorities of the National Strategy of Disaster Risk Reduction (2023-2027) and the Government's 2020-2025 roadmap for socio-economic development.</p>
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**11. Risk Status**

<p><b>Risk Status</b></p>	<p>What is the current risk status as compared to what was identified in the project proposal?</p> <p>Sanitary risks (associated with COVID) were not considered in the project proposal. These introduced important delays from the beginning of the project implementation, especially on Civil Protection ground activities. However, in 2023 it has been surpassed, and the related risk could be considered moderate to low.</p> <p>In relation to the risks initially considered, the status is as follows:</p> <p><b>Limited technical capacity</b></p> <p>The technical and operational capacity of the ANAMET, DRE, ANPC have been improved with the support of CREWS Togo. Qualified expertise at national, regional and global level has been mobilized to provide technical assistance and trainings. Improvements have been identified on climate risk and EWS, for instance ANAMET generates more</p>
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	<p>accurate agrometeorological forecasting, DRE is improving hydrological seasonal forecasting and ANPC is building community vulnerability maps, as well as planning and response at the local level.</p> <p><b>Limited financial capacity</b> The institutions, mainly ANAMET and DRE, have insufficient financial resources for operation. This is critical specially to guarantee the operation/maintenance of the network stations, and the reliable field information/data for the development of hydrometeorological and warning services. The project will support the elaboration of a maintenance and operation plan for network stations that can be supported with other projects and especially with institutional support . In this period, there has been an increase in support from the ANAMET ministry, for example, it has validated a PIP request (supported by CREWS) to obtain additional financing to improve infrastructures and weather systems. The DRE requires urgent financial support from its Ministry, mainly for hiring qualified personnel. This continues to represent a risk in the project.</p> <p>The lack of coordination / harmonization of activities / opportunities of different programs, projects supporting Togo remains as a risk, since this limits the good alignment of efforts and financial resources to strengthen national services.</p> <p>In this period, there have been evidences of risks associated with terrorism that limit the strengthening of capacities at the community level, for example, <u>the organization of training and strengthen capacity activities in the Savannah region are limited due to insecurity and risk related to terrorist attack and the expansion of the Sahel crisis with the displacement of population fleeing from terrorist attack in Burkina Faso is of concern to municipality authorities.</u></p>
<p><b>Measures to address</b></p>	<p>What mitigation measures have been developed to address the risk status? <b>In bullet points</b></p> <p>To date, the mitigation measures taken with the national actors in the implementation of the CREWS project are:</p> <p>On security risks</p> <ul style="list-style-type: none"> <li>• Organization of training in secured regions (Kara, Central, Plateau and Maritime)</li> </ul> <p><u>On sanitary risks</u></p> <ul style="list-style-type: none"> <li>• regular use of online meetings for discussions, workshops and training.</li> <li>• strengthening awareness of barrier measures.</li> </ul>

	<p><u>On limited technical capability</u></p> <ul style="list-style-type: none"> <li>• increased direct technical support to institutions through the engagement of national and local experts which have speed up the implementation of activities</li> <li>• integration of training in each technical support provided by partners, experts</li> <li>• facilitating the access to climate information through the consolidation of integrated platforms for agriculture monitoring (Weather Force), including local observations, climate products and agriculture indicators</li> <li>• Dedicated training to hydrologists on hydrological seasonal forecast by LACEEDE from</li> </ul> <p><u>On limited financial capability</u></p> <ul style="list-style-type: none"> <li>• Initiated the development of the institutional strategic plan of the ANAMET</li> <li>• Supported preparation of request to access to PIP to improve ANAMET headquarters and weather systems</li> <li>• WMO and WB has conducted pleadings to ANACIM's Ministry (Ministère des Transports Routiers, Aériens et Ferroviaires) and DRE Ministry (Ministère de l'eau et de l'hydraulique villageoise) to request additional support.</li> </ul> <p><u>Others, such as coordination /harmonization of programmes, projects activities</u></p> <ul style="list-style-type: none"> <li>• grouping of national institutions and related actors for the development of TdRs</li> <li>• engaging with project, programme partners, or other institutions to synergize supports to Togo</li> <li>• Support national institutions in analyzing synergies and preparing activities for other programmes, initiatives.</li> </ul>
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## 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 December 2022	Target for reporting period	Progress by June 2023
Number of NMHS service delivery strategies and development plans (Percentage of new NMHS service delivery strategies and development plans that include specific gender provisions)	2	0	1 initiated	1 initiated (This on the development of the ANAMET institutional strategic plan)
<p><b>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></b></p> <p>Among other activities that contribute oriented-solutions were:</p> <p><u>Weather and climate forecast and related services</u></p> <ul style="list-style-type: none"> <li>○ Delivered training on agriculture monitoring and generation of bulletins to ANAMET</li> <li>○ Preparation of support to improve operational weather forecast capacities through the support of DMN of Morocco, this to be initiated on September 2023.</li> <li>○ Preparation of support to improve techniques on climate forecasting generation with the support of specialists of Yaoundé 1 University and ACMAC, this to be initiated in September 2023.</li> <li>○ Developed a web page for ANAMET to facilitate the communication of climate and weather information, it is currently in an internal testing phase.</li> </ul> <p><u>Hydrological services</u></p> <ul style="list-style-type: none"> <li>○ Supported access to hydrological data through maintenance missions, installation of batteries and ensuring remote data transmission</li> <li>○ Conducted an analysis of solutions to improve DRE access to hydrological data and data management and preparation of updating rating courbes support.</li> <li>○ Trained national hydrologists and meteorologists on data processing as part of the development of seasonal hydrological forecasting by LACEEDE</li> </ul>				





- DRE requested support for the preparation of strategic plan for hydrological services, this will be initiated from Septembre 2023.

Please add any examples on contributions to any of 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 2022	Target for the reporting period	Progress by June 2023
Number of risk assessments developed in pilot areas (% including gender specific considerations)	1	3	34	34

**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.**

- 3 risk assessment plans are being developed, which will identify the elements required to create appropriate emergency response preparedness plans for the Tsévié regional hospital center, the Hédzranawoé market and the Lycée February 2
- Development of vulnerability maps for 34 municipalities 20% of participants are women

This support will allow the conception of plans focus on people-centered.

### 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 2022	Target for the reporting period	Progress by June 2023
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Number of common alerting protocols strengthened	1	1	1	1
<p><b>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.</b></p> <p>A training on CAP for national institutions was delivered by Red Cross in collaboration with ANAMET in March 2023, in which CREWS Togo WMO participated as observers This was focused on structures of the Common Alerting Protocol and responsibilities for editors. The operational use CAP use requires to be reinforced through regular workshops at national level, which can be ensured by ANAMET and supported other experimented institutions. Togo had issue 3 alerts through CAP in accordance with the WMO protocol. This contribute to promote coherence on warning and alerts messages at national level.</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 2022	Target for the reporting period	Progress by June 2023
Number of contingency and emergency plans informed with operational procedures	1	1	12	12
<p><b>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.</b></p> <p>The national contingency plan on disaster risk reduction has been updated from 14<sup>th</sup> to 16<sup>th</sup>, June 2023. The flood preparedness and response plan is updated on an annually base. This plan was updated from 10<sup>th</sup> to 11<sup>th</sup> January, 2023</p> <p>Meaning that since 2020, the national contingency plan has been updated 4 times. Beside, since 2020 the Government has develop 4 flood preparedness and response plans</p>				



This support will allow the preparation of plans focus on people-centered and enabling promote coherence.

**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 2022	Target for the reporting period	Progress by June 2023
Number of people receiving risk awareness information through knowledge products, workshops and other communication means, disaggregated by gender (%)	TBD based on selected pilot area	33	National level (8.6 M inhabitants)	national level (8.6 M inhabitants)

**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.**

ANAMET and the DRE improved their monitoring and forecasting products, which made it possible to issue 13 weather alerts that covered the whole country. It contributed to reduce risk on populations.  
 Risk awareness information remains a priority and should be supported in a future phase on CREWS Togo.

The improvements made by ANAMET and ANPC will contribute with solution-oriented.



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

State Project Output(s) in this section	Overall Project Target	Progress by December 2022	Target for the reporting period	Progress by June 2023
Number of gender-sensitive training provided	TBD based on training plan	23	2	2
<p><b>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></b></p> <ul style="list-style-type: none"> <li>• 30 women trained on DRM</li> <li>• 124 participants of which 29 women at the panel of discussions with university lecturers</li> <li>• Discussion between the URL Practice Manager and 124 members of the National Platform of Disaster Risk Reduction of which 29 women</li> <li>• Development of vulnerability maps for 34 municipalities 20% of participants are women</li> </ul>				

**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 December 2022	Target for the reporting period	Progress by June 2023
N/A	N/A	N/A	N/A	N/A

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.

N/A

### 13. Certification on Use of Resources

This needs to be provided at the end of the year as part of the submission of the 2<sup>nd</sup> 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://anpctogo.tg/panel-dechanges-entre-les-acteurs-de-la-plateforme-nationale-de-reduction-des-risques-de-catastrophe-et-luniversite-de-lome/>

<https://univ-lome.tg/atelier-sur-la-reduction-des-risques-et-catastrophes-au-togo-lul>

<https://anpctogo.tg/travaux-de-validation-de-la-cartographie-des-zones-a-risques/>

<https://anpctogo.tg/dynamisation-des-groupements-des-clubs-des-meres-et-des-femmes-leaders-rrc/>

<https://atop.tg/kloto-resilience-face-aux-changements-climatiques-des-clubs-des-meres-a-lecole-des-techniques-de-transformation-des-produits-locaux/>

### 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.*
- b. [RAPPORTE Dynamisation Club meres Draft.docx](#)
- c. [Rapport Panel Discussion PNRRRC UL Draft.docx](#)

## 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*

- *Creation of ANAMET and initiated the preparation of its institutional strategic plan*
- *Improvement of hydrological seasonal forecasting and trainings (on going)*
- *Mid-term review of CREWS Togo with recommendations for improvement*
- *Development of the common alert protocol to support warning messages and national institutions trained in synergy with Mali Meteo and Red Cross.*
- *National validation of the multi-hazard warning system capacity and needs assessment report in TOGO : Validated report with recommendations*
- *Training of 304 local authority in the use of the practical guide to disaster risk and threat management*
- *Organization of a tabletop simulation of 3 hazards (floods, storms)*
- *A network of media professionals and education professionals for DRM has been established.*
- *17 national EWS experts have been trained for GIS data analysis, and for access to information through ANPC (National Civil Protection Agency) web portal.*



- *The report of the state of knowledge of disaster risks, alert decision processes, dissemination, preparation and response for main hazards in Togo has been drafted and to be validated by the end of November.*
- *Several action plans were developed to improve aspects related to the 4 components of EWS, with a vision to guide the institutions in consolidating EWS capable to address the main Hazards of Togo. CREWS Togo will support some of these actions and other could be used for NMHS, and Civil Protection as inputs for other ongoing projects.*
- *Improvement of climate forecast analysis through weekly debriefing supported by MISVA*
- *Consolidated platform for agriculture monitoring*
- *Set up plans to improve seasonal hydrological forecast and improve monitoring analysis at national level*