

CREWS Accelerated Support Window
CREWS Action Presentation Note

Action Title	Ensure compliance of Senegal Met Service (within ANACIM) with quality management standards for enhanced delivery of warning services
Country	Senegal
Partner Country Entity / Entities	ANACIM / National Meteorological Service of Senegal - NMS
Implementing Partner Requested	<i>Select at least 1:</i> <input type="checkbox"/> World Bank/GFDRR <input checked="" type="checkbox"/> WMO <input type="checkbox"/> UNDRR <input type="checkbox"/> No preference
Action Type	<i>Select at least 1:</i> <input checked="" type="checkbox"/> Continued Assistance <input type="checkbox"/> Analyses and Assessments <input checked="" type="checkbox"/> Advisory Services
Early Warning System Element(s) Supported	<i>Select at least 1:</i> <input checked="" type="checkbox"/> Monitoring, detection, analysis and forecasting of hydro-meteorological hazards providing lead-times for action <input type="checkbox"/> Dissemination of timely and authoritative warnings <input type="checkbox"/> Preparedness and response plans triggered by warnings and weather and climate predictions <input type="checkbox"/> Disaster risk knowledge based on the systematic collection of data and disaster risk assessment
Contribution to CREWS Programming Principles and Outputs Supported	<i>Select all relevant:</i> CREWS Programming Principles addressed: <input type="checkbox"/> People-centered <input type="checkbox"/> Gender-responsive <input checked="" type="checkbox"/> Promotes Coherence <input checked="" type="checkbox"/> Leverage CREWS Results Framework Outputs to which the Action is expected to contribute to: <input checked="" type="checkbox"/> NMHSs' service delivery improved, including the development of long-term service delivery strategies and development plans <input type="checkbox"/> Risk information to guide early warning systems and climate and weather services developed and accessible <input type="checkbox"/> Info. and comm. tech., including common alerting protocols, strengthened <input type="checkbox"/> Preparedness and response plans with operational procedures that outlines early warning dissemination processes strengthened and accessible <input type="checkbox"/> Knowledge products and awareness programmes on early warnings developed <input type="checkbox"/> Gender-responsive training, capacity building programmes provided <i>[Optional: provide additional information as relevant]</i> CREWS Programme Indicators to which the Action is expected to contribute to: <input checked="" type="checkbox"/> Loss of life <input checked="" type="checkbox"/> Forecasting and warning capacity <input type="checkbox"/> Access to early warning <input type="checkbox"/> Use of risk information <input checked="" type="checkbox"/> Capacity to disseminate warnings <input type="checkbox"/> Capacity to prepare for and respond to warning

<p>Specific Action and Objectives</p>	<p><i>[Max. 250 words describing the requested Action and the Objectives]</i></p> <p>The project will support the certification of ANACIM as per the ISO 9001:2015 quality management system standard. Compliance would be reached by training observers (60) and forecasters (10).</p> <p>This will be addressed through the following components:</p> <p>Component 1: Training of observers (40 people)</p> <ol style="list-style-type: none"> a. Training on surface observation, cloud identification, climatological documentation, quality management system. b. (Pre-)Qualification test <p>Component 2: Training of forecasters (10 people)</p> <ol style="list-style-type: none"> a. Theoretical phase on severe weather forecast over tropical zones b. Theoretical phase on impact-based forecast methodology on heavy rain and heat waves c. Practical phase (hands-on training in an advanced forecasting center) on operational impact-based forecast, severe weather and improvement of the EWS <p>Component 3: ISO 9001:2015 quality certification</p> <ol style="list-style-type: none"> a. Training on ISO 9001:2015 standards (observers and forecasters) b. Training of internal auditors c. Development of the processes
<p>Need and Rationale</p>	<p><i>[Max. 250 words articulating why the Action is needed and how it contributes to the country's early warning system efforts; if Cont. Ass., how it builds on CREWS Project]</i></p> <p>Senegal benefited in the past from support from WMO to establish its national framework for climate services (see Decree from 2017), and from other partners to participate in research projects (SWIFT, AMMA, etc.). In addition, WMO with WISER MauSen also supports ANACIM for the training of one part of the observers.</p> <p>These trainings have been identified as a requirement for compliance with quality standards, as part of the SWOT analysis of the human resources of ANACIM carried in 2024. Sixty (60) observers have been targeted for capacity building, with 20 already trained, and a group of 40 meteorological observers from ANACIM will be trained under this project.</p> <p>ANACIM compliance with ISO 9001:2015 quality management system standard is a first step towards enhancing the quality of its early warning system. The ASW project would, in addition, strengthen the capacity of ANACIM forecasters in extreme weather and impact-based forecasting in support to the Early Warning for All initiative. Finally, the ASW project will provide support to enhance the national standard operating procedures.</p>
<p>Alignment</p>	<p><i>[Max. 250 words articulating the alignment between the requested Action and existing/ongoing projects, programs, plans and commitments (e.g., EWS projects supported by bilateral or multilateral funds, NAP, NDC)]</i></p> <p>The Senegal Meteorological Directorate (within ANACIM) is a WMO-designated regional center for severe weather forecasting, supporting African LDCs and SIDS in West and Central Africa, and benefited as such from support under CREWS West Africa for the development of its forecasting capacity (high performance computer) and for the training of West African forecasters (yearly training sessions + weekly briefings on Tuesday morning during the rainy season).</p> <p>This CREWS ASW will capitalize on CREWS West Africa project, in particular in relation to SWFP, SDS-WAS, FANFAR, WIS2, WIGOS, and FFGS, since the training and</p>

	<p>qualification of ANACIM staff will also enhance the quality of services provided by RSMC Dakar in the context of CREWS West Africa, specifically in relation with severe weather forecasting, sub-seasonal forecasting and flash flood guidance.</p> <p>The Directorate of Meteorology is one of 4 Directorates in ANACIM, all contributing to implementation of the ANACIM Strategic Plan 2022-2026. In addition, the Directorate of Meteorology possesses its own strategic plan, as part of which strengthening early warning systems (EWS) is an objective. In order to continue strengthening Senegal early warning capacities, ANACIM needs to retain its accreditation and compliance with ISO9001:2015 quality management system.</p>
Timeframe	March 2025 – February 2026
Summary of Action Cost	221,239 USD without fees, 250,000 USD including fees
Implementing Partner Requested	<i>Select 1:</i> <input type="checkbox"/> UNDRR <input type="checkbox"/> World Bank/GFDRR <input checked="" type="checkbox"/> WMO

Annexes:

Table 1. Timeline for implementation budget and deliverables

N°	Activities	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Training of observers	X	X	X							
2	Training of forecasters			X	X	X	X				
4	Training on ISO 9001:2015 standards							X	X		
5	Training of internal auditors									X	X
6	Development of the processes								X	X	

Table 2. Budget breakdown and deliverables

N°	Activities	Deliverables	Budget (USD)
1	Training of observers	Training report	80,000
2	Training of forecasters	Training report	90,000
3	Update of the QMS	Updated gap analysis / ISO and auditors training reports	51,239
	Sub-Total		221,239
	Fees of implementing partner		28,761
	Total		250,000