

CREWS Accelerated Support Window
CREWS Action Presentation Note

Action Title	Training and small equipment for METTELSAT (DRC)
Country	Democratic Republic of Congo
Partner Country Entity / Entities	Agency of Meteorology and Hydrology (METTELSAT)
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 (P159217 and CREWS) <input checked="" type="checkbox"/> Analyses and Assessments <input 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 checked="" 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

Specific Action and Objectives	<p>The objective is to ensure continued operation of the meteorological equipment provided under the WB-funded Strengthening Hydro-Meteorological and Climate Services project (P159217)</p> <p>Component 1: Training (Capacity building)</p> <ul style="list-style-type: none"> - Hydrology training - Climatology training - Agrometeorological training - Numerical weather prediction training - Maintenance training (corrective and preventive) for automatic stations - Addition of an interface for writing SYNOPs and METARs on MESSIR NEO and training on the use of new features <p>Component 2: Procurement of small equipment and Internet</p> <ul style="list-style-type: none"> - Internet package - Website (hosting) - Wis2Box installation (with dedicated server) - Spare parts, equipment, and packages for the transmission of SYNOPs from stations to Kinshasa (Binza) - IT hardware, data center tools and IT consumables
Need and Rationale	<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>METTELSAT was strengthened between 2017 and 2023, with support from two parallel projects (P159217 and CREWS). Key deliverables include a website, training plan, national framework for climate services (+Decree), updated list of observing stations, strategic plan, business plan, draft Bill, quality management manual, and procurement of integrated observing and forecasting system (as per the design study).</p> <p>Despite this investment of 10 million USD, MettelSat still faces significant challenges in delivering basic services to users (e.g. aviation, civil protection, agriculture, and the general public). This is related to insufficient budget allocation from the Government, while the Decree on aeronautical subsidies (July 2016) is still not being implemented.</p>
Alignment	<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>CREWS ASW is requested to ensure continued operations of MettelSat during the transition period between the closing of the WB Hydromet project and the start of another investment by Africa Development Bank, combining resources from SOFF and GCF.</p> <p>It is therefore fully aligned and complementing investments from World Bank, AfDB, GEF, GFDRR and SOFF.</p> <p>CREWS will strengthen Mettelsat's material and human resources to improve forecasting and the sharing of surface observation data worldwide.</p>
Timeframe	<p><i>Aug 2024 – July 2025</i></p>
Summary of Action Cost	<p><i>250,000 USD</i> <i>(See: Annexes: Table 1. Budget and deliverables, and Table 2. Timeline)</i></p>

**Implementing
Partner
Requested**

Select 1:

- UNDRR
- World Bank/GFDRR
- WMO

Annexes:

Annex 1. Timeline for implementation

N°	Activities	2024					2025						
		A	S	O	N	D	J	F	M	A	M	J	J
Component 1: Training (Capacity building)													
1.1	Hydrology												
1.2	Climatology												
1.3	Agrometeorological												
1.4	Numerical weather prediction												
1.5	AWS maintenance training												
1.6	Maintenance (corrective and preventive) for automatic stations												
1.7	Addition of an interface for writing SYNOPs and METARs on MESSIR NEO and training on the use of new features												
1.8	Residential workshop: development of Terms of Reference and request for quotation												
Component 2: Procurement of small equipment and Internet													
2.1	Internet package												
2.2	Website hosting												
2.3	Wis2Box installation (with dedicated server)												
2.4	Spare parts, equipment, and packages for the transmission of SYNOPs from stations to Kinshasa (Binza)												
2.5	IT hardware, consumables & data center tools												

Annex 2. Budget breakdown and deliverables

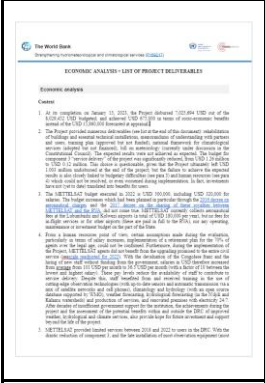

N°	Activities	Deliverables	Budget (USD)
1	Component 1: Training (Capacity building)		
1.1	Hydrology	6 peoples (2 womens) trained	10 000
1.2	Climatology	5 peoples (2 womens) trained	15 000
1.3	Agrometeorological	4 peoples (1 women)	10 000
1.4	Numerical weather prediction	5 peoples (2 womens)	10 000
1.5	AWS maintenance training	6 peoples (1 women)	10 000
1.6	AWS Maintenance (corrective and preventive) and correction of geographical coordinate site coordinate.		37 517
1.7	Addition of a SYNOP and METAR writing interface on MESSIR NEO and training in the use of the new functions		8 000
1.8	Residential workshop: drawing up specifications and requesting quotes		9 255
2	Component 2: Procurement of small equipment and Internet		
2.1	Internet package		15 600
2.2	Website hosting		3 000
2.3	Wis2Box installation (with dedicated server)		5 000

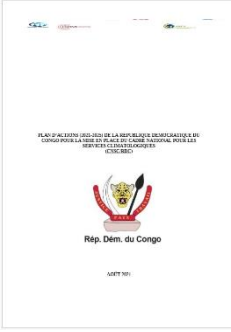

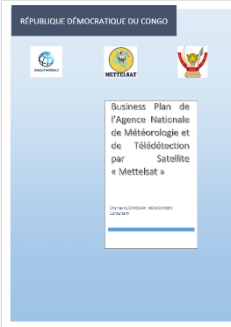
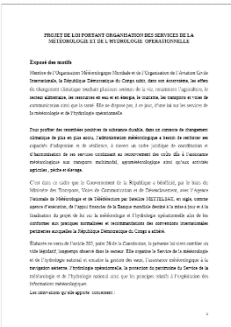
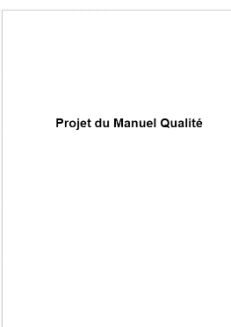
2.4	Spare parts, equipment and packages for SYNOP transmission from stations to Kinshasa (Binza)		26 475
2.5	Data center hardware, consumables and tools		61 392
	Sub-total		221,239
	IP Fees (13%)	-	28,761
	Total		250,000

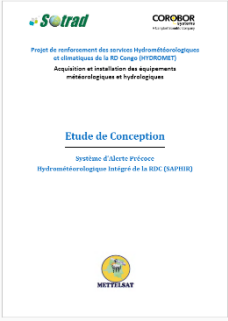




Annex 3. Proposed Key performance indicators (KPI) over 12 months

N°	KPI	Total
1	Number of trainings provided	6
2	Number of stations green on WDQMS	6
3	Number of visitors on METTESAT website	10,000

Annex 4. Reference documents

	<p>Economic analysis of the Strengthening hydrometeorological and climatological services (P159217, 2023)</p>
	<p>Project appraisal document of the Strengthening hydrometeorological and climatological services (P159217, 2023)</p>
	<p>Training plan (developed by EAMAC)</p>

	<p>National framework for climate services (+ Decree)</p>
	<p>METTELSAT Strategy (draft, 2021)</p>
	<p>Draft business plan (2022)</p>
	<p>Draft Bill (2023)</p>
	<p>Quality management manual (2022)</p>

	<p>Design study by COROBOR (2021)</p>
	<p>Master plan for the hydrological network (2024)</p>
	<p>Master plan for the meteorological network (2024)</p>
	<p>SOFF Readiness Funding Request (2023)</p>
	<p>National Strategy on DRR 2024 – 2030 (2024)</p>

	Country Hydromet Diagnostic (2024)
	SOFF investment plan (2024)