



Intra ACP Climate Services and Related Applications
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2019/410-300



A project led & implemented by the
African Centre of Meteorological
Applications for Development

Intra-ACP Climate Services and Related Applications (ClimSA) Programme: Support to African Centre of Meteorological Applications for Development (ACMAD)

FOURTH ACMAD CONTINENTAL STEERING COMMITTEE (ACSC-4) OF THE ClimSA ACTION

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REPORT FOR YEAR 3

Period: April 2023-March 2024



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ACMAD/ClimSA Annual report for year 3



INTRODUCTION

This document is the third annual report of the ACMAD/ClimSA project. It covers the period from April 2023 to March 2024.

The ClimSA project at ACMAD started in April 2021 for a duration of four years. This report monitors the ACMAD/ClimSA log frame indicators of the five outputs. It provides an overview of deliverables. After highlighting the status of indicators, the report examines key facts, meetings and events that occurred during the year. The year 3 work plan, lessons learnt from three years of implementation, the update list of ACMAD/ClimSA project staff and summary expenditure report are provided as annexes.





1. EXECUTIVE SUMMARY

ACMAD organized fora (ACCOFs, PRESASS, PRESAGG, PRESAC) and contributed to SARCOF, MEDCOF, GHACOF and SWIOCOF during the year with sessions on user interface platforms. The infrastructure and water emerged as essential sectors and consultations were initiated to establish and operationalize User interface platforms for these sectors.

COP 28 in Dubai with a high-level statement on progress in operationalizing Multihazards early warning and early action system, highlighting the extreme climate events and impacts during the year, the loss and damage fund is proposed to consider modernization of early warnings as the priority investment area.

ACMAD contributed with warming rate and trend information for the SDG 13 progress monitoring report as part of the African Regional Forum on Sustainable Development. Anticipatory action dialogue was organized ahead of the southern Africa drought of 2023/24.

The Regional Climate Centre for Africa and the African Continental Multihazards advisory centre continued operations delivering continental watches, climate outlook statements, annual state of climate report. Technical notes to support briefings and debriefings were provided to other regional centres and National Meteorological Centres. New prototypes products on the start of the agriculture season for the Panafrican Farmers Federation, detection of hazards locations for UNHCR, return periods for extreme temperature and heavy rainfall for resilient infrastructure design, building and operation are continuing experimentation.

The application of the WMO open data policy continued leading to better sampling of uncertainties in forecast products. MoU with ECMWF to increase available data in addition to Copernicus was negotiated and signed.

The ACMAD team developed a joint implementation plan to accelerate development of CLIMSA station supporting generation of regional and national climate centres products. Products catalogues, additional input datasets, processing scripts are being shared with JRC for configuration of the ClimSA Station. Access to ECMWF data required for meningitis vigilance service generation is opened following awareness raising and reduced restrictions on data required for early warning.

The year was characterized by 13 on the job trainings, 23 workshops and fora and courses on early warning. 14 reports from these events were published.

The 2022 annual state of climate report, communication materials, contingency and anticipatory action plans with UNOCHA, vigilance services for meningitis control, SDG 13 monitoring report for the African regional Forum for Sustainable Development are presented contributing to policy awareness.





Monitoring based on Log frame Indicators

2.1 Impacts indicators

The overall objective of the action is to foster sustainable development through decisions and actions taken to adapt to climate change

ACMAD prepared and delivered a high level statement at COP 28 on progress and way forward to operationalize early warning for all and climate action for resilience and adaptation in African cities, countries and regions.

ACMAD provided temperature change detection information for the SDG 13 progress monitoring report for the African forum on sustainable development in 2024.

ACMAD presented User Interfaces platforms established at continental level, product and services provided as part of platforms operationalization during the OACPS ambassadors sub-committee on environment in January 2024.

Updates of contingency plans by OCHA, climate outlooks for the consultative group for disaster management in West Africa, brief on climate outlooks, potential impacts and proposed anticipatory measures for the African Working Group for Disaster Risk Reduction and AU situation room were achieved with ACMAD/RCC and the Continental multiHazards Advisory Centre's Continental watches and vigilance products.

Two high level visits of Italy and Algeria ambassadors accredited in Niger visited ACMAD with special interest on Climate services for anticipatory action by the humanitarian actors and the continental advisory services for the AU situation room triggering continental scale mobilization for disaster risk reduction.

ACMAD attended the Climate Change and Development in Africa Conference and contributed as panelist at a session on climate information services for resilience as part of the collaboration with UNECA division responsible for climate change. The Africa Climate Summit and Africa Climate week were additional opportunity to contribute to high level policy declaration including climate action plan for Africa. The





climate week offered an opportunity to launch the state of climate report for Africa in 2022 under the leadership of AUC and WMO. The ClimDEV Africa launch events was a special event during which ACMAD highlighted the priority to be given to rehabilitation of observation stations in Africa and acceleration of the use of satellite data (Meteosat Third Generation and low earth orbiting Satellite data) for high impact events monitoring, forecasting and impact assessments.

ACMAD contributed with statement on financing early warning by NMHSs through blending grants, loans, climate insurance and governments contributions to UNECA Conference of ministers preparatory meeting of development planners of the ECOWAS region on the financing transition to green economies.

ACMAD supported the implementation of the demonstration phase for the ECOWAS RCC with technical assistance during the Regional Climate Outlook forum for the Region (PRESASS) and capacity building of climate experts in the region. These activities contributed to the Long-Range forecasting and training functions of the Regional Climate Centre.

Capacity of NMHSs and Regional Centres were strengthened on issuance of warnings, climate status and outlook information generation, development and use of training materials at courses, fora and workshops organized with WMO and its designated training centres.



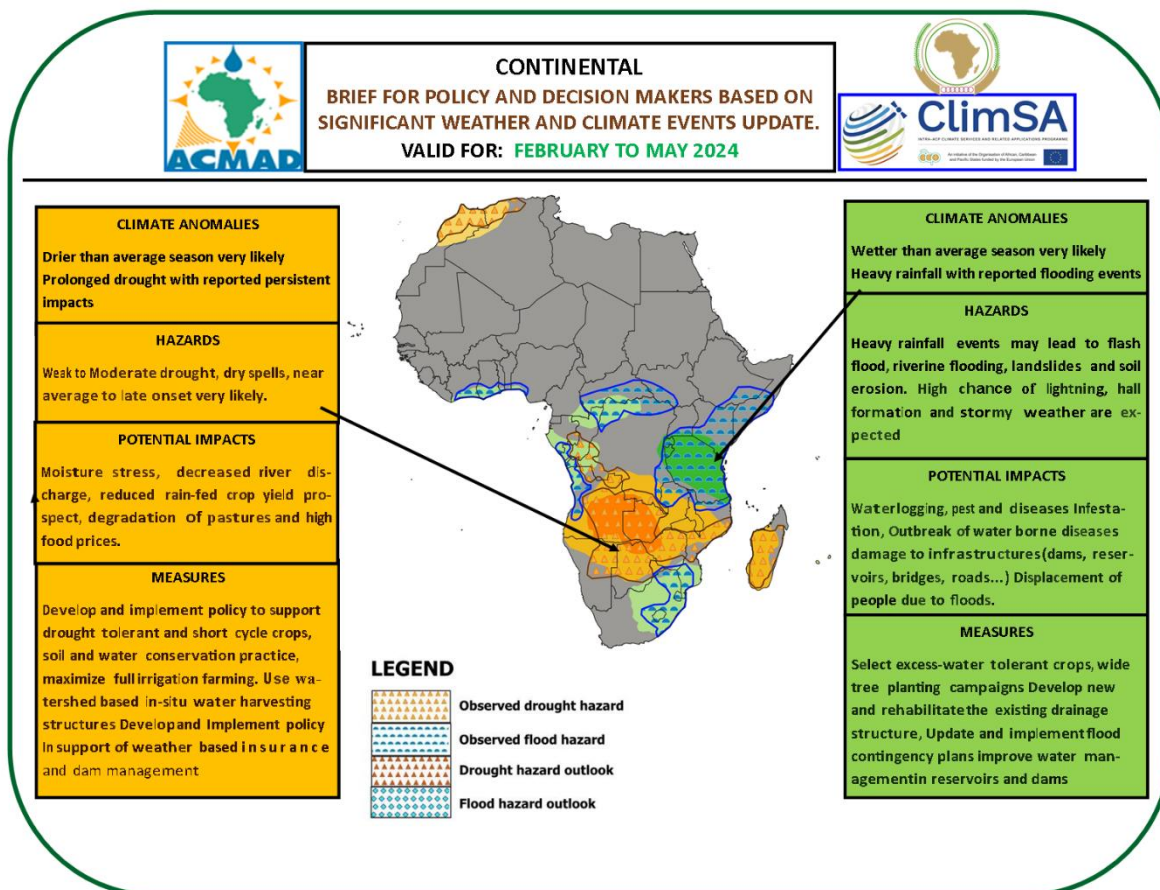
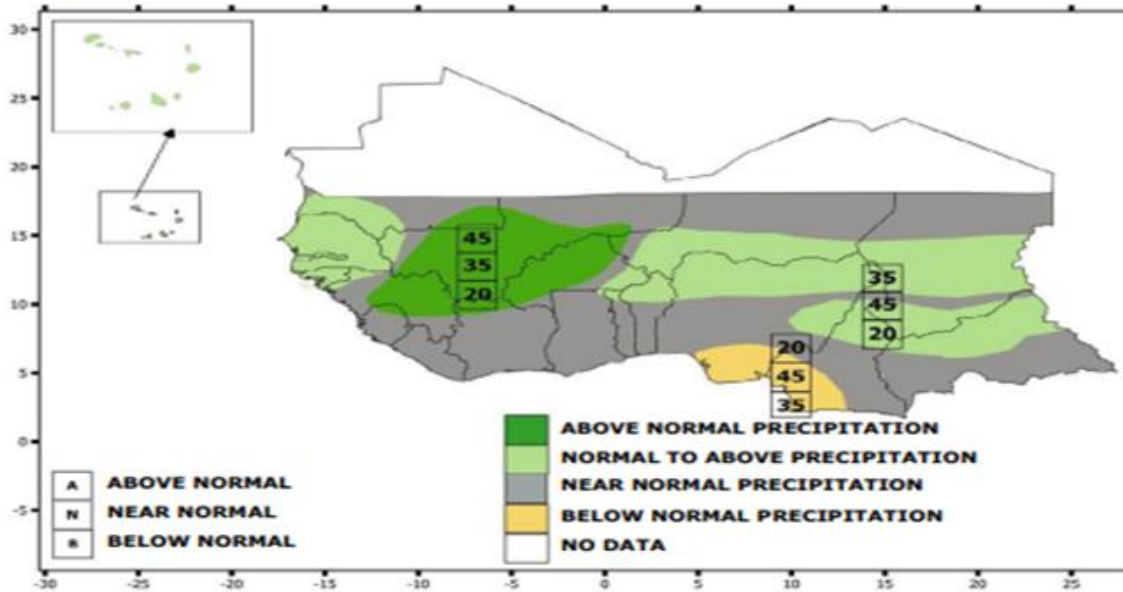


Figure 1: Brief for policy and Decision makers highlighting drought in southern and north Africa potential impacts and response measures published in late January 2024.

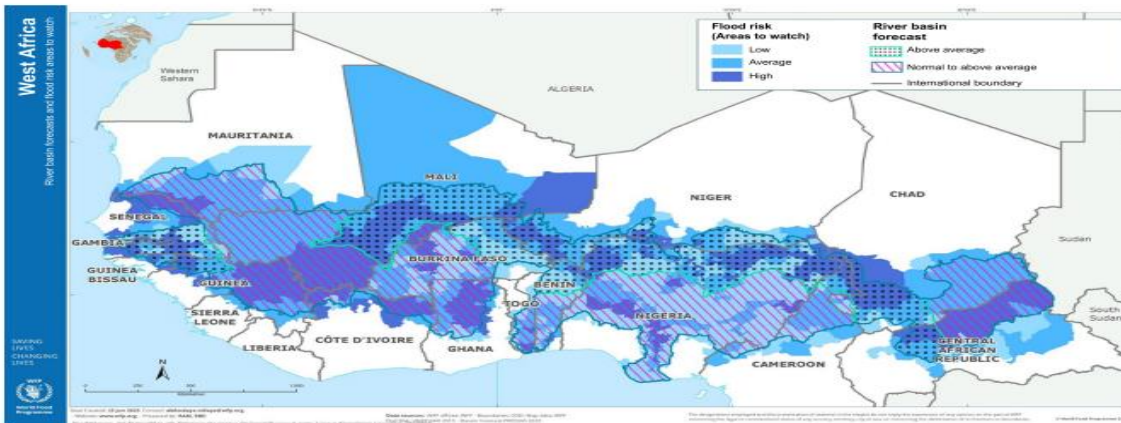




Seasonal precipitation forecast for the Sudano-Sahelian region valid for July-August-September 2023 Elaborated June 7, 2023



Humanitarian impact analysis



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Figure 2: (Top) Seasonal Forecasts for West Africa. (Bottom) Humanitarian impact outlook from co-production with UNOCHA.

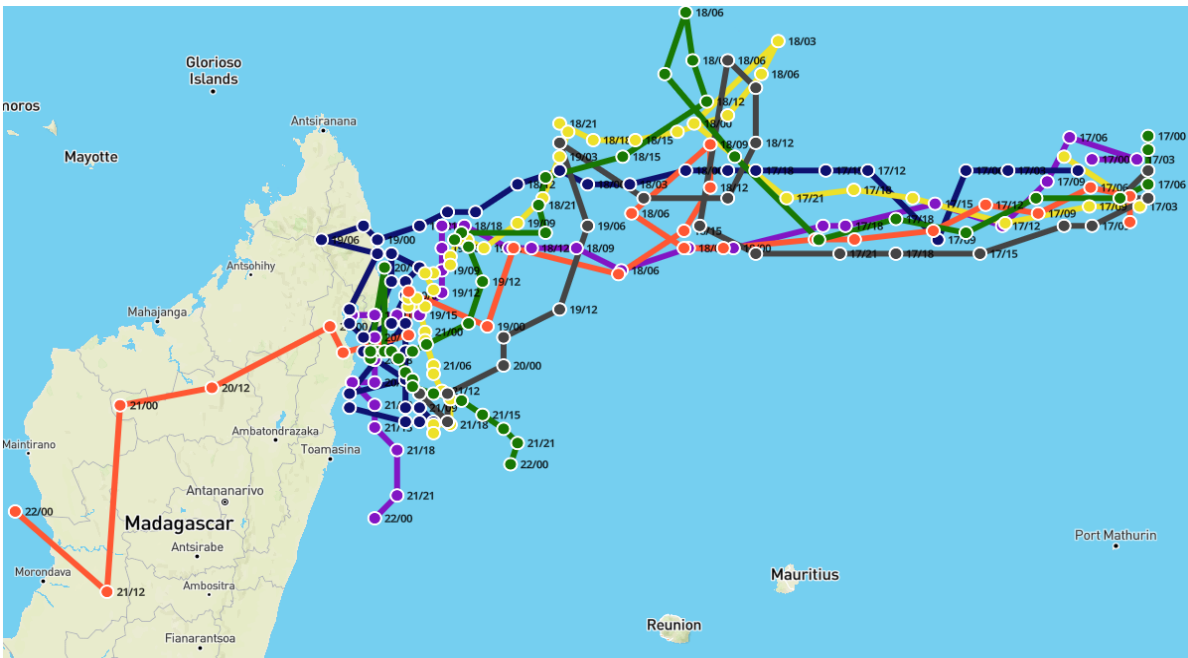


Figure 3a: Cyclone CHENESO tracks outlooks supporting cyclone advisories and watches in the South west Indian ocean region. Guidance for NMHS for issuing watches, alerts and warnings



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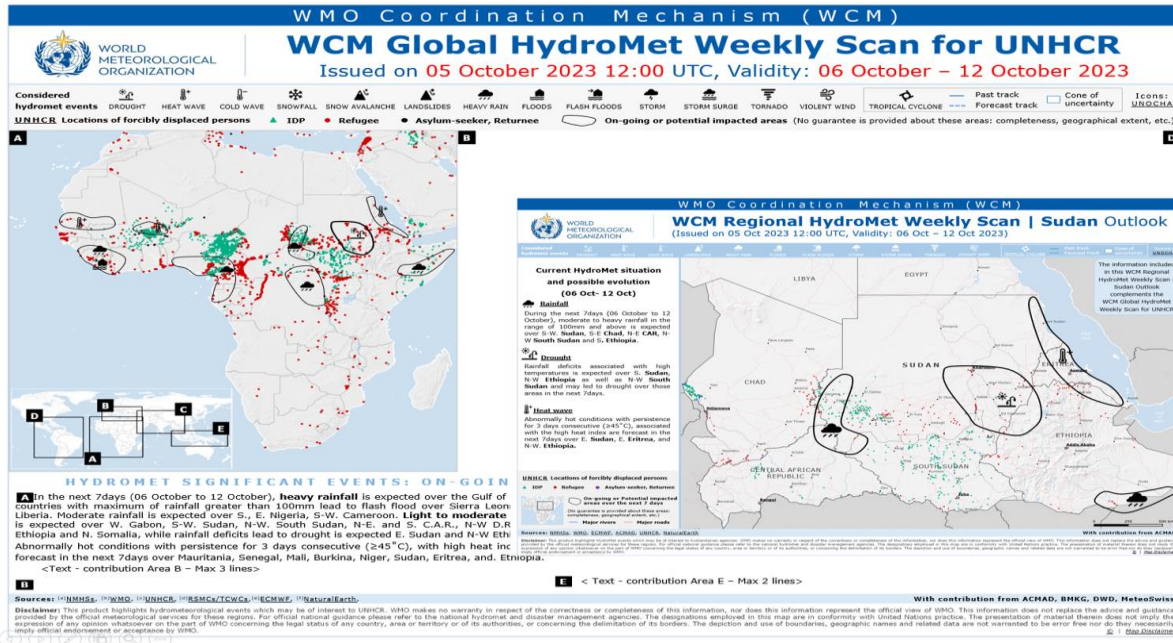


Figure 3b: Weekly hazards Outlooks (black polygons) for management of refugees (red marks) and internally displaced (green marks) people camps. Product developed with WMO and UNHCR to support operations in refugee camps across the continent.

Indicator I.1: Number of policies and plans updated with ACMAD’s climate information

- 1- **High level Statement** as part of Intergovernmental Organizations high level session at **COP 28** on progress and way forward for operationalization of early warning for all: a priority area of intervention for the loss and damage fund
- 2- ACMAD-UNOCHA example on impact forecasting for Emergency preparation plan: A contribution to anticipatory action planning and implementation
- 3- SDG 13 monitoring report included information on warming rates and trends update for Africa accelerating extremes events and related socio-economic impacts.



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Target: 2, initial value:0, current status: 3

A continental Multi-hazard Advisory Centre continue providing continental advisories and watches as a prototype service to support the continental disaster risk management community active in emergency operations centres, situation rooms and emergency management and humanitarian action.

Three AUC and RECs departments are reached with climate information from RCOFs and ACCOF. Meetings and dialogue with AWGDRR, Hydrological advisers, Pan African Farmers Federation, and Clim Health Africa as well as other Health networks in Africa are operational.

Indicator I.2: Number of RECs reporting reduction on climate impacts and resilient socio-economic systems in countries.

1- **No report recorded so far from AU, RECs or UNECA**

Multiyear data collection on impacts and published in the state of climate for Africa with emphasis on impacts of cyclones, droughts, floods, heat waves are being organized with the establishment of situation rooms in RECs. The situation rooms will collect data on impacts to assess reduction during the upcoming years

Target: 3, current status: 0





2.2 Outcomes indicators

The expected Outcome is "Climate Services value chain strengthened at the continental level"

African Climate talks and Climate Change for Development in Africa (CCDA-11), the Africa climate summit and the Africa Climate Week conferences held in Nairobi/Kenya, in September 2023, were key instruments to discuss and agree on the Africa common position in Climate and development negotiations. ACMAD contributed with discussions and recommendations on Agriculture, Resilient infrastructure and urbanization, adaptation and resilience to climate risk. ACMAD also contributed as panellist to the session on the State of Climate Information to Drive Early Warning Systems for Development.

The Continental MultiHazards Advisory Centre was established at ACMAD since October 31, 2022. It is continuing support to the User interface Platform for DRR.

ACMAD attended the regional meeting of Intergovernmental Organizations in West Africa organized by UNECA Sub-Regional Office for West Africa, in Dakar/Senegal in July 2023. The meeting discussed "Promotion of Regional Value chains and food security for strengthening regional integration and sustainable development in West Africa". ACMAD, contributed with a presentation on "Climate Services for Food Security Trends in West Africa: Available Initiatives and Challenges".

The Africa Multi-Hazard Early Warning and Early Action System (AMHEWAS) Steering Committee Meeting, organized by AUC in July 2023 in Windhoek/Namibia, was attended by ACMAD. Contributions from ACMAD fed the discussion on the ToRs of both the AMHEWAS Steering Committee and the Technical Working Group.

ACMAD attended, the "2023 Clim-Health Africa meeting" organized by WHO/AFRO, in Libreville/Gabon. ACMAD contribute with a presentation on: "Ongoing Climate Activity for Food Security and Health"

Every month, ACMAD shared/presented briefs or statements for policy maker on climate outlook during meetings with partners: - Early warning and Preparedness (EPR) and Task Force for flood online meetings; Food Security Working Group





Meeting. In Aug 2023, ACMAD organized a dialogue Day event with NMHSs, RCCs, UNOCHA and other partners to raise awareness for anticipatory action with the expected El Niño impact over eastern and southern Africa during the October 2023 to April 2024 season.

The African Union Commission Department for Agriculture Rural Development, Blue Economy, and Sustainable Environment (AUC-DARBE) and related divisions of Agriculture, environment, Disaster Risk Reduction continued to support the dissemination of and communication on the annual state of climate for 2022 and monthly seasonal climate outlook statements for Africa. AUC Social affairs through CDC continued to receive meningitis vigilance products, the Peace and security department with briefs and vigilance for disaster management. The related deliverables continued to inform preparation of documents for policy meetings in the agriculture, water, health, environment, disaster risk reduction sectors.

ACMAD ClimSA continued to collect feedbacks, develop and update products required for RCCs functions and development sectors applications (agriculture calendars, emergency preparation planning, diseases surveillance and control, water levels and discharge for integrated water management) in the climate station to be deployed for strengthening RCCs, developing RCCs and countries to better serve RECs with policy relevant climate information. Online tools including MyDewetra for DRR, CLIMTAG for agriculture, U-Clip for local climate change information for urban areas resilient development planning, climate change detection and indices dashboard, are made available for awareness raising, informed action, planning and policy making. UNECA and ACMAD prepared the SDG 13 indicators monitoring report for the Africa regional forum for sustainable development.

Indicator O.1: Number of AUC departments or UNECA Divisions served by ACMAD

- 1- The **AUC Social affairs (2)** through CDC is receiving meningitis vigilance products, the **Peace and security (3)** with briefs and vigilance for disaster management
- 2- with **UNECA division for technology, climate change and natural resource management (4)** ACMAD prepare, organize and participate in climate talks, CCDA, COP 27 and Sustainable development forum

Target: 4, initial value: 1 (AUC/DREA), current status: 4





Indicator O.2: Number of meetings, dialogue organized with members of AWGDRR, AGN, Pan African Farmers Organization, hydrology community, Clim Health Africa network.

- 1- 01 Dialogue Day event was organized, in Aug 2023, with NMHSs, RCCs, UNOCHA and other partners to raise awareness for anticipatory action with the expected El Niño impact;
- 2- 01 Clim-Health Africa meeting in July 2023,
- 3- 01 Kick-off Meeting for Africa Multi-Hazard Early Warning and Early Action System (AMHEWAS) Steering Committee;
- 4- 12 climate and meningitis control and surveillance online meeting with WHO/AFRO;
- 5- 06 Early warning and Preparedness (EPR) and
- 6- 05 Task Force for flood online meetings with UNOCHA;
- 7- 05 Food Security Working Group Meeting with FAO, ECHO, WFP, IFRC and IOM.

31 additional events during the year

Total by year 3: 31+22+6 = 59

Target: 20, initial value: 0, current status: 59

Indicator O.3: Number of African Centres in demonstration phase or designated by WMO

- 1- By Sept 2022, AGRHYMET the ECOWAS RCC entered in demonstration phase
- 2- Efforts underway to prepare the start of demonstration phase in ECCAS and IOC regions

Total by year 3: Still 03 + 01 in demonstration phase

Target: 6, initial value: 3 designated, current status: 3 designated + 01 in demonstration phase





2.3 Outputs indicators

Output 1. – "Structured interaction between the users, researchers and climate services providers in Africa region through a User Interface Platforms (UIP)"

In April 2023, ACMAD organized in Abidjan/Cote d'Ivoire, the first workshop on the continental User Interface Platform for DRR with emphasis on climate resilient infrastructure design, building and operation in Africa. The meeting aim at the definition and specification of climate services for climate resilient infrastructure. The ToRs, Rules of Procedures of this DRR sub-platform were discussed and adopted.

The DRR interface with the AWGDRR and its platform continued to be strengthened with situation rooms at continental and regional levels in ACMAD and IGAD respectively. ACMAD operates the Continental Multi-Hazards Advisory centre as part of the situation room at continental level. The Advisory centre provides situation reports and continental watches to the AUC situation room. Prototype products is being piloted with WHO and UNHCR to support operations in refugee camps across the continent.

ACMAD organized briefings and debriefings during the extreme event with countries in Gulf of Guinea and over Sahel from April to September 2023 with experimentation of new products, combining humidity and winds from global model outputs. Vigilance services for meningitis surveillance continued as operational activity of the Climate services for Health UIP.

ACMAD provided support and shared experience with AGRHYMET on the establishment and operation of session on ECOWAS UIP. In April 2023, ACMAD co-organized and provided technical assistance to RCOF for ECCAS (PRESAC-17) and ECOWAS (PRESASS-10) with sessions on User interface platforms establishment. Establishment of agriculture UIPs at country level is planned for Cameroon, the pilot country of the CAPC/ECCAS.





A Consultant (STE) in Climate Services is being hired to conduct impact assessment and organize the user feedback process in order to feed the established UIP and the service development cycle.

Indicator 1.1: Number of UIPs platforms active at continental level following the guidelines developed by this action





- 1- In April 2023, Abidjan/Cote D'Ivoire, ACMAD organized a workshop on the continental User Interface Platform for DRR emphasis on Climate resilient Infrastructure for Africa. The ToRs, Rules of Procedures of this DRR sub-platform were discussed and adopted.
- 2- The DRR interface with the AWGDRR and its platform has been strengthened with situation rooms at continental and regional level in IGAD. ACMAD delivered services through the PRESASS-10, PRESAC (17-18), PRESAGG-11, GHACOF (64-66), SARCOF (27-28), SWIOCOF-12, MedCOF (20-21), ACCOF (13-15) with the UIPs structuring the User Sessions of fora and forecasts briefings leading to **bespoke forecasting and impact forecast based financing**. Following fora, ACMAD further communicates and disseminates forecasts, impacts assessments, emergency, resilience and adaptation measures to stakeholders of UIPs and other related platforms.
- 3- UNHCR is included in the continental UIP on climate services for DRR. Prototype products is being co-developed with ACMAD/ClimSA to support UNHCR operations in refugee camps across the continent.
- 4- The Climate health platform is operational with ACMAD delivering vigilance services for meningitis surveillance and control to WHO/AFRO, ClimHealth Africa and stakeholders.
- 5- By March 2024, the climate services for resilient infrastructure UIP were transferred under DRR platform, while the water sector were moved under UIP for Agriculture.
- 6- ACMAD actively participated to the Nile Basin Development Forum (NBDF) organized in October 2023 under the theme: Early Warning for All in the Nile Basin. ACMAD provide the insight on Water Users Interface Platform and Continental Climate Outlooks: Expected Products and Contributions from the RCCs and Hydrological Community.
- 7- In December 2023, under the DRR and Agriculture Continental User Interface Platforms, ACMAD organized and online presentation of the African Drought Monitoring and Advisory System. Raising awareness of the existence of the system among the user community. A platform providing climate indicator for agriculture and DRR sectors.

Target: 4, initial value: 0, current status: 03 UIPs and 02 Sub-UIPs (targeted reached)





Indicator 1.2: Number of countries or sub-regions with operational UIPs

- 1- The consultative group on disaster management in West Africa coordinated by OCHA is an operational interface supported by ACMAD products and services tailored for these regions for disaster management planning. RCOFs for ECOWAS (PRESASS-10, PRESAGG-11) and ECCAS (PRESAC 17-18) are operational instruments serving agriculture, DRR, water sectors at regional and national levels. Through ACCOF (13-15), GHACOF (64-66), SARCOF (27-28), MedCOF (20-21) and SWIOCOF-12 continental perspectives based on global products are provided to deliver relevant regional statements. Five regions are supported by ACMAD to operate or strengthen their DRR UIPs.
- 2- ACMAD through participation to National meeting (e.g. Nigeria and Ghana Hydrological Status and Outlook System) supported additional UIP establishment or strengthening of two national UIPs.
- 3- By December 2023, support to Cameroon, the ECCAS pilot country, in tailoring services for the agriculture and DRR sectors. Additional national UIP on climate services for DRR was proposed and will be established in 2024

Target: 5, initial value: 0 current status: 6 (2 regional UIPs on DRR for ECOWAS and ECCAS, 2 UIP water in Ghana, Nigeria, 2 UIPs agriculture and DRR for pilot country Cameroon)





Output 2. – "Provision of Climate Services at Continental and Regional levels is effectively guaranteed and secured, and Climate Service Information System (CSIS) are strengthened"

The continental Regional Climate Centre (RCC) and the Continental Multi Hazard Advisory Centre (CMHAC) at ACMAD continued operations. Three days before the heartbreaking disaster of September 10, 2023 occurred in Libya, a vigilance product (see Figure 3c) was disseminated by ACMAD.

Improvement continued on the newly developed products to support delivery of information on extremes (using quantiles), start, length and withdrawal of the agricultural season, dry spell occurrence (at the start of the season), climate trends, scenarios and impacts at continental, regional and local levels.

Based on feedback from meetings with OCHA, IRFC and UNHCR, ACMAD upgraded risk and impact outlooks for preparation of anticipatory action plan. Prototype products are being piloted with WMO and UNHCR to support operations in refugee camps across the continent. A vigilance product over refugees and internally displaced population in Sudan has been upgraded for UNHCR operations.

ACMAD leads and supports RCOFs (PRESASS-10, PRESAGG-11, PRESAC-17&18, GHACOF-64&65 &66, MEDCOF-20&21, SARCOF-27&28 and SWIOCOF-12), organizes briefings from synoptic to seasonal developing capacity and sharing knowledge with technical notes, reports, bulletins and brief/summaries as deliverables. ACMAD organized PreCOF (PRESAC-17&18, PRESASS-10, PRESAGG-11) online training to facilitate the preparation and build capacity of NMHSs of ECCAS and ECOWAS to deliver seasonal forecasting.

Through ACCOFs (13-15), ACMAD, with participation of global partners, continued to support discussions on tools, methods, cross-fertilization in order to improve skill of the RCCs and NMHSs. The events facilitated the generation of consensus outlook with exchanges on products, tools and improve the contributions of RCCs to early warning and disaster preparedness. It was also the occasion to ensure consistency of forward-looking statements at regional and continental levels; - strengthen the interregional network of cross-border risk management Centers.

In addition to the ACCOF, ACMAD have initiated briefings and post hazard debriefings, with the aim to demonstrate and operationalize the Continental Climate Service





Information System. During the meetings, discussions are engaged with relevant partners on method, tools and continental product, as well as their interpretation and use.

A dialogue day event was organized, in August 2023 with NMHSs, RCCs, UNOCHA and other partners to raise awareness for anticipatory action with the expected El Niño impact over eastern (heavy rain and floods) and southern Africa (drought) during the October 2023 to April 2024 season. An information note was issued and can be found at the address: https://acmad.org/wp-content/uploads/2019/03/ACMAD_El-NinoImpacts_Information-Note_VfAug2023.pdf

The state of climate report for Africa in 2022 were published in September 2023. ACMAD and partners organized, in July 2023, Accra/Ghana, a workshop on reviewing and exploring products supporting improvements on the annual state of the climate report for Africa. State of Climate products were reviewed, additional products identified, partnerships and networks with NMHSs and regional centres established.

Collaboration with JRC, is continuing to ensure generation of RCC mandatory products through the Climate Station. ACMAD's staffs participated to the 6th and 7th Climate Station Use and Feedback (UaF-CS) meetings and were exposed to new functionalities of the station on flood and climate change impact assessment. The installation of the prototype Climate Station is completed and up to date at ACMAD and is accessible online at: <http://climatestation.acmad.org:8080/>



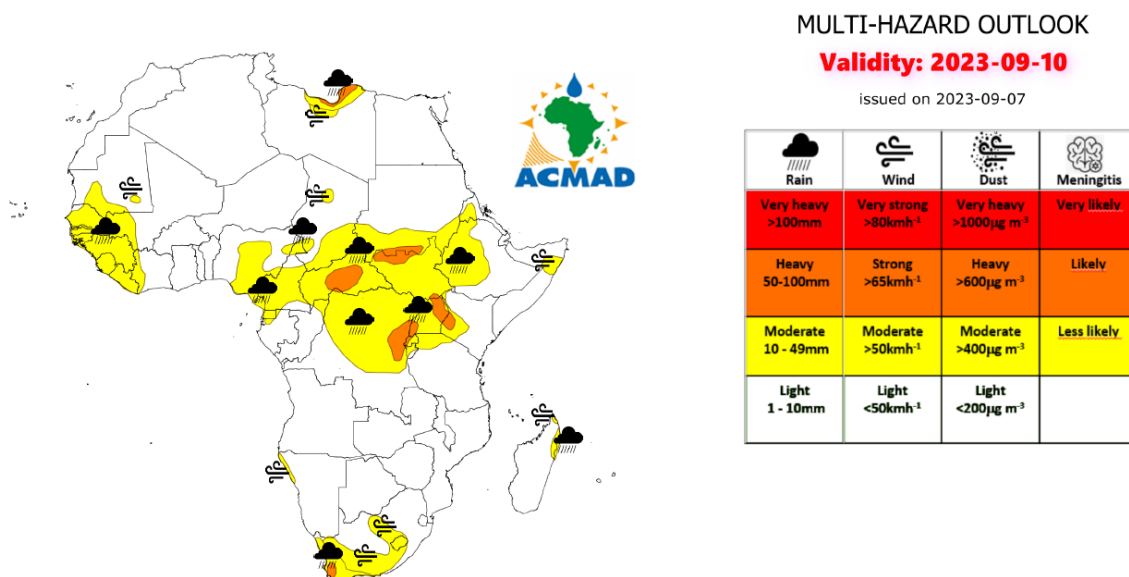


Figure 3c : ACMAD vigilance products few days ahead the medicanes Daniel which hit north-eastern Libya on 10 September 2023. The storm brought heavy rainfall (around 08 month of rain) and flooding that resulted in large-scale destruction.

The indicators in the Log Frame to achieve Output 2 are as follows:

Indicator 2.1: One Climate Service Information System (CSIS) operational at continental level (ACMAD RCC)

- 1- Infrastructure, methods, tools and continental products and mechanisms (e.g., ACCOFs, briefings, debriefings) have been operational supporting the continental climate service information system. Institutional capacity with stronger partnership with global centers is operational with 5 to 6 World Meteorological Centres providing global data for continental operations. The mandatory and some recommended RCC functions (Research and innovation, related data management...) are implemented.

Target: 1 CSIS centre operational for 4 years (ACMAD), initial value: 0 current status: 3 out of 4 years



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Indicator 2.2: Number of climate Stations operational at continental and regional levels

- 1- Station is now installed and went under testing at SADC-CSC. Testing of station continued at ACMAD, ICPAC and AGRHYMET with the development of tailored products catalogues, algorithm and codes. ACMAD, ICPAC, AGRHYMET have installed and tested the stations. Configuration for thematic use with products catalogues, scripts and codes is ongoing.
- 2- Bilateral meeting is in place between ACMAD and JRC to further develop and configure ACMAD's ClimSA Station. A workplan for the implementation of ACMAD's Climate Service (CS) have been established to deliver a station delivering RCC mandatory services. The Catalogue of CS products have share, code and script developed by ACMAD were and implementation is ongoing with the support of JRC team.
4 stations at 2/3 of operationalization.

Target: 6 stations operational, initial value: 0 current status: 4*2/3

Indicator 2.3: Number of new climate Services developed by this action delivered at continental level

- 1- 01 DRR Service fully operational for UNOCHA with climate information to evaluate the rate of expected population exposed to flood is now fully operational (1/3+1/3+1/3=3/3)
- 2- 01 DRR Service fully operational with UNHCR with climate information and advice to reduce the impacts of weather, water, climate extremes on refugees' camps. (1/3+1/3+1/3=3/3)
- 3- The Agriculture Service with information on the start of agricultural season went under testing with NMHSs; feedback is being collected; the development of a summary bulletin is ongoing (1/3+1/3=2/3)
- 4-

Target: 2, initial value:0, current status: 8/3 (above the 02 services targeted)





Indicator 2.4: Number of new climate services developed by this action delivered at national level

- 1- transfer of agriculture service developed done in Ethiopia
- 2- transfer of meningitis vigilance service in Nigeria
- 3- Plan underway to agriculture and DRR services to Cameroon

Total by year 3: Still 02 Services transferred at national levels

Target: 3, initial value: 0, current status: 2





Output 3. – "Access to Climate data, products and services improved"

ACMAD initiated discussion with JRC and the ClimSA team to sustain access to data from ECMWF and other Centers. To facilitate better access to ECMWF products/data supporting climate services, a decision supporting collaboration between ACMAD, ClimSA TAT and JRC for updating data exchange agreement with ECMWF was submitted and approved by the ClimSA steering committee held in Seychelles in September 2023.

ACCOFs continued to be a mechanism to facilitate access to ACMAD products by IGAD/ICPAC, ECCAS/CAPC-CA, SADC/CSC, AGRHYMET, RCC Network for North Africa and IOC developing RCC as well as NMHSs. Observations and model comparison, as well as models intercomparison are made during COFs, and efforts to include the related processes in the climate station are ongoing.

Updates of products on the ACMAD webpages are regularly done. The ACMAD's dashboard is fully developed and is under testing. It's has been deployed on the cloud and is available at the address: <http://rcc-cmd.acmad.org/>. It's provided access to data and maps used to generate the products and services displayed on the ACMAD website. The data and product will be available in png, tif, geojson, NetCDF and csv format.

Under output 3, ACMAD continued to generated stations performance products raising awareness on the weaknesses of the African in-situ observing network.

A web portal providing Climate Change Detection Indices (Precipitation & Temperature extremes) over cities has been upgrade with indices on return period of extreme events and is available at: [http://sgbd.acmad.org:8080/thredds/fileServer/ACMAD/CDD/climatechangeservice/s/Climate Change Indexes/climate change indexes.html](http://sgbd.acmad.org:8080/thredds/fileServer/ACMAD/CDD/climatechangeservice/s/Climate%20Change%20Indexes/climate%20change%20indexes.html)

The indicators in the Log Frame to achieve Output 3 are as follows:





Indicator 3.1 Number of agreements/Memorandum of Understanding between international partners and ACMAD signed within the scope of this action

- 1- WHO resolution on data policy implementation details agreed by technical commissions draft resolution, decisions and recommendations by September 2022. ACMAD is accessing to six World Meteorological centres data under the WHO open access agreement
- 2- Open Data Access on JASMIN through University of Leeds renewed on November 2023
- 3- Agreement signed at COP27 for the establishment of a Network of Centre of Excellence on Climate Change with secretariat in Morocco
- 4- Open data with WHO/AFRO to improve meningitis Vigilance Products granted in February 2024
- 5- MoU on data exchange under review with ECMWF

Total by year 3: 02 New MoUs signed (WHO/AFRO + Morocco) + 01 MoUs under review with ECMWF.

Target: 4, initial value: 2 (SWIFT and EUMETSAT), current status: 04 (Leeds University, EUMETSAT, WHO/AFRO and Morocco)

Indicator 3.2: Number of RCCs and NMHSs with monthly operational access to existing climate information produced by ACMAD within the scope of this action

- 1- AGRHYMET and ECCAS centre are benefiting and have access to ACMAD products through ACCOF, PRESAGG, PRESASS, PRESAC (2 Centres)
- 2- ICPAC, SAD CSC, RCC North Africa and IOC have access to ACMAD products through ACCOF; giving a total 06 RECs above the targeted 4 RCCs
- 3- ACCOF and ACMAD/DCPC initiatives to establish data and methodology sharing with RCCs and ultimately more NMHSs
- 4- In year with Benin, Burkina Faso, Guinea Bissau, Madagascar, DRC, Gambia and Mali, 07 additional NMHSs have access to ACMAD climate products; giving a total of 05+07=12 (above the 06 NMHSs targeted)

Target: 4 RCCs and 6 NMHSs, initial value: 0, current status: 06 RCCs and 12 NMHSs





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Output 4. – “Enhanced capacity of Africa to generate and apply climate information and products relevant to their particular concerns”

Under output 4, ACMAD actively participated to the 1st Africa and 3rd ClimSA forum held in September 2023 in Seychelles. ACMAD contribution were given with 04 presentations on the establishment and operationalization of the User Interface for Health, DRR, Agriculture and Water, and Resilient infrastructure. ACMAD also exchanges experiences on development and delivery of climate services, improving data exchanges, capacity gap analysis and training. Integration of climate information into policy and decision at COPs and other global fora.

ACMAD attended (in May 2023) and provided lectures and practical sessions to the CREWS/SWFP- West and Central Africa Training Workshop on Severe Weather and Impact-based Forecast and Warning Services, organized by RSMC-Dakar and WMO in Monrovia/Liberia.

Training is the most requested services at ACMAD. In Jul 2023, staffs of ACMAD provided lectures and practical sessions during the 4-week Competency course for forecaster organized by EAMAC and WMO, in Niamey/Niger. The courses provided the foundations and core knowledge required to successfully demonstrate the necessary competencies in warning issuance for relevant weather phenomena. The trainees were French speaking members of WMO RA I.

ACMAD continue to improve RCC and NMHSs staff competencies with training sessions online/physical at PRESASS-10, PRESAC-17. ACMAD hosted, 04 internships (with 03 women), 2 secondment and 5 On-the-Job-Training (01 women). 4 ACMAD staffs and 6 RCCs staffs (1 per RCC, with 02 women) continued to be trained with PRESAC-17, PRESAGG-10, GHACOF-64 & 65, MedCOF-20 and ACCOF-12 & 13. Training materials on verifications, climate variability and seasonal forecasting were prepared and delivered at RCOFs (PRESAC-17, PRESASS-10, SARCOF-27), ACCOF-12 & 13, during On-the-Job Training and Secondment sessions.

With the support of JRC GDO team and NORCAP, the Africa Drought Advisory platform is now installed. Deployed on the cloud (<https://ada.acmad.org/>), the system encompasses important drought information, allowing users to Visualise maps, graphs and generate reports, this information denotes products such as Precipitation, Soil moisture content, Vegetation indices.





The ACMAD's dashboard was developed by AIMS interns and is now under testing. It's has been deployed on the cloud and is available at the address: <http://rcc-cmd.acmad.org/>

ClimSA pages have been developed on the ACMAD website and information on the activities of project are published online.

The indicators in the Log Frame to achieve Output 4 are as follows:

Indicator 4.1: Number of training sessions provided by this action to improve competencies of ACMAD and RCCs staff in the provision of quality climate services

- 1- 11 training events in year 1
- 2- 21 training events in years 2
- 3- From April 2022 to March 2024, **23 training session organized including:**
 - 04 PreCOFs training with PRESAC 17&18 (MAM 2023 and 2024), PRESAGG-11 (MAM 2024) and PRESASS-10 (MJJ 2023) - 03 ACCOFs (13-15) - 01 AMHEWAS training course for ECOWAS countries, 01 CLIMTAG training workshop and 14 On the Job training or Secondment. Above the 4 events minimum for year 3 reached

Target: Minimum of 4 training events per year, initial value =0 actual value: 55 in three years

Indicator 4.2: Number of ACMAD and RCCs staff (disaggregated by gender) trained by this action in the provision of quality climate services





- 1- During year 1, with RCOFs and ACCOFs. 18 staff were trained from ACMAD (07), AGRHYMET (04) and CAPC-CA (03), ICPAC (01), SADC-CSC (01), RCC North Africa (01), IOC (01).
- 2- For year 2, with RCOFs, ACCOFs, 18 staffs (including 04 Women) were trained from ACMAD (07) and 12 RCCs staffs (AGRHYMET, CAPC-CA, ICPAC, SADC-CSC, RCC North Africa, IOC). Additional, 14 staffs from 5 RCCs in Africa (including 01 woman from SADC-CSC) participated in a training on co-designing the climate station. Giving a Total of 32 staffs trained including 5 women (15% of participants)
- 3- As for year 3, taking advantages of RCOFs, ACCOFs, 30 staffs (including 07 Women) were trained from ACMAD (06) and 24 from RCCs.

Target: at least 40 staff trained in 4 years, initial value:0, actual value: 18+32+18=68 staffs from ACMAD and RCCs trained.

Indicator 4.3: Number of students funded through this action, disaggregated by gender

- 1- In year 1, four students with 2 women were trained.
- 2- In year 2, 5 more students with 4 women.
- 3- In year 3, 04 student including 03 women. A total of 9 students with 6 women.

Participant are from 4th, 5th, 6th cohort of the Mathematical Sciences For Climate Resilience Internship Program (MS4CR-IP) of the African Institute for Mathematical Sciences (AIMS).

Target: at least 4 students per years with 25% women, initial value:0, actual value: 4 students with 50% women in year 1, 5 students with 80% women in year 2 and 04 students with 75% of women in year 3.

Indicator 4.4: Number of new publications produced with the support of this action and available at the dedicated Information platform/portal





- 1- In year 1, PRESASS and PRESAC 2021 reports available (2 reports available)
- 2- In year 2, 9 reports from PRESASS, GHACOF, SARCOF, PRESAC, PRESAGG, ACCOF and state of climate report for 2021 from April t2022 to March 2023 available and published on the web.
- 3- In year 3, 14 reports from PRESASS-10, GHACOF (64-66), SARCOF (27-28), PRESAC (17-18), PRESAGG-11, ACCOF (13-15), SWIOCOF and state of climate report for 2022 available and published on the web.

Target: At least two fora report per year, initial value:0, actual value: 24 new publications on ACMAD web pages

Indicator 4.5: Number of Africa fora on climate services organized by this action

No forum organized yet in Africa. However, a forum is being planned for this year 2023

- 1- In year 1, No forum organized yet in Africa
- 2- In year 2, 01 forum with dialogue on climate extremes organized with the inauguration of the African Continental Multi Hazards Advisory Centre.
- 3- As of year 3, A Dialogue event was organized with NMHSs, RCCs, UNOCHA and other partners to raise awareness for anticipatory action with the expected El Niño impact.

Target: At least two fora organized at continental level, initial value:0, actual value: 2 Africa fora on climate services organized





Output 5. – "Enhanced Climate-informed decision making in Agriculture, Water, Risk Management and Health sectors and improved mainstreaming of climate services into policy, planning processes at continental, regional and national levels."

Under output 5, early in September 2023, ACMAD participated the 11th Conference on Climate Change and Development in Africa (XI CCDA), the Africa climate summit and the Africa Climate Week. The contribution of ACMAD were given during exchanges, discussions and recommendations on Agriculture, Nature Based Solutions, and the Blue Economy, Resilient infrastructure and urbanization, Adaptation and resilience to climate risk.

After the release of the 2022's state of climate for Africa, ACMAD and WMO continued their collaboration to start the drafting the report for 2023 to support COP 28 and other climate events.

For the upcoming COP-28 in Dubai, ACMAD prepared and sent proposal to request for 04 side organized on: - Climate services for agriculture resilience in Africa - Climate Smart cities in Africa: Building resilience to climate change in current and future mega cities - Continental Multi hazard Advisory and warning system: Towards a Multi hazards Early warning and Early action in Africa - - State of Africa's Climate in 2022: hazards, trends and impacts.

Mid-June 2023, ACMAD attended the regional meeting of Intergovernmental Organizations in West Africa organized by UNECA Sub-Regional Office for West Africa, in Dakar/Senegal. The discussions were around "Promoting Regional Value chains and food security for strengthening regional integration and sustainable development in West Africa". ACMAD, contributed with a presentation on "Climate Services for Food Security Trends in West Africa: Available Initiatives and Challenges".

The Africa Multi-Hazard Early Warning and Early Action System (AMHEWAS) Steering Committee Meeting, organized by AUC in July 2023 in Windhoek/Namibia, was attended by ACMAD. Contributions from ACMAD fed the discussion on the ToRs of both the AMHEWAS Steering Committee and the Technical Working Group.

ACMAD attended, the "2023 Clim-Health Africa meeting" organized by WHO/AFRO, in Libreville/Gabon. ACMAD contribute with a presentation on: "Ongoing Climate Activity for Food Security and Health"





Briefs statements for policy and decision makers have continued to be prepared and presented at both continental and regional fora. Every month, ACMAD shared/presented briefs or statements for policy maker on climate outlook during meetings with partners: - Early warning and Preparedness (EPR) and Task Force for flood online meetings; Food Security Working Group Meeting. In Aug 2023, ACMAD organized a dialogue Day event with NMHSs, RCCs, UNOCHA and other partners to raise awareness for anticipatory action with the expected El Niño impact over eastern and southern Africa during the October 2023 to April 2024 season.

On mainstreaming climate services and enhancing sectors policies and decisions, up to 5 set of communication materials on success stories of climate inform policies and decisions (banners, flyers, roll-up banner, ...) were prepared and used for the COFs (PRESAC-17, PRESASS-10, ACCOF-12, 13), the State of Climate Workshop and the 2nd Dialogue Day.

The indicators in the Log Frame to achieve Output 5 are as follows:

Indicator 5.1: Number of communication material highlighting success stories on climate informed decisions, policies and plans produced with the support of this action, disaggregated by type (videos, flyers, brochures and stories)





- 1- **September 2021** 1 video, brochures, 1 newsletter, 1 roll up banner, 1 brief for the PRESASS target seasons, 1 statement for the PRESASS forum generated. A total of **6 types of materials**.
- 2- **In March 2022**, 1 roll up banner for COP 26, 100 tee-shirts, 100 caps, and bags for COP 26. With **3 new additional types of materials** leading to a total of $6+3=9$ communication material.
- 3- By **September 2022**, 100 bags, 100 pen, 100 notepad, 1 flyer for 1st CUIP. 6 banners and 6 flyers for ACCOFs (04 - 09). **2 additional new types of materials** leading to a total of $6+3+2=11$ various communication material.
- 4- By **March 2023**, 5 roll up banner, 100 tee-shirts, 100 mugs, and 100 bags, 100 key-holders, 50 Vacuum Flask, 100 pins, 100-notepad, 5 Flyers for COP 27. 50 Tee-shirt, 50 Flasks, 6 banners, 50 USB-stick and 8 flyers for Dialogue Day, 4th African Climate Talks and RCOFs (PRESAGG-10; PRESAC-16; ACCOF -10, 11). With **5 additional new types of materials** leading to a total of $6+3+2+5=16$ communication material.
- 5- By **September 2023**, 08 banners, 06 roll up banner, 100 bags, 100-notepad, 04 Flyers for ACMAD/ClimSA PSC, RCOFs (PRESASS-10, ACCOF-12, 13), 2nd Dialogue Day, SoC Workshop. **No additional new types of materials**. Still a total of 16 materials since the start of the project
- 6- By **March 2024**, 06 banners, 05 roll up banner, 50 bags, 100-notepad, 05 Flyers for COP 28, 04 flyers for RCOFs (PRESAGG-11, PRESAC-18, ACCOF-14, 15), 50-vest, 100-pen, 50-Document-Holder-Case, 50-Business-Card-Holder, 100-Sustainable USB Charging Cable. **04 additional new types of materials**, leading to a total of $16+04=20$ materials since the start of the project

Target: At least 30 communication materials on success stories in climate informed decisions and plans disaggregated by type (video, flyers, brochures and stories), initial value: 0, actual value: 20

Indicator 5.2: Number of workshops organised by this action with final users on the use of climate services in policy-making planning disaggregated per priority sectors, gender and sub-region





- 1- By **September 2022**, a User Interface workshop organized in July 2022. The workshop organized during semester 1 of year 2 with user needs, services requirements terms of references and rules of procedures governing interactions, feedback collection and services improvements as outcomes.
- 2- By **March 2023**: - The First Water UIP workshop convened online on December 13, 2022 - The 4th African Climate Talks as an event around the African sustainable Development forum was organized from 26 to 27 February 2023 with a setting the scene paper on enhancing climate information for resilience in the Sahel. - The Hydrological and Water Panel workshop was organized in Feb 2023. A total of 3 workshops.
- 3- By **September 2023**: - The 01st DRR UIP workshop with emphasis on climate resilient infrastructure for Africa organized in Apr 2023 - A dialogue Day event was organized in Aug 2023 with NMHSs, RCCs, UNOCHA and other partners to raise awareness for anticipatory action with the expected El Niño impact. **02 additional workshop.**
- 4- By **March 2024**, no additional workshop organized.

Target: 3 workshops, initial value:0, actual value: 5 workshops (above the 3 targeted)

Indicator 5.3: Number of policy-making decision support tools developed by this action at continental and regional level





- 1- The African Continental Climate Outlook (ACCOF) is a tool designed and developed by this action to support co-design, development and communication of climate information.
- 2- The population rate exposed to expected flood season is a tool developed with UNOCHA to support emergency preparation
- 3- African climate change scenarios and impacts assessment fora are the second tool to prepare statements on the state of climate for Africa, climate trends, extremes, expected changes and impacts for negotiators at COPs in particular SABSTA and Global Platform for DRR and other environmental conventions, the African Climate Talks and Climate Change and development Conference jointly with UNECA.
- 4- Additional tool, with the heavy rain and high temperature hazards locations developed with WMO-UNHCR for better management of Refugee camps and displaced people in Africa.
- 5-

Target: 2 tools, initial value: 0, actual value: 04 tools (above the 02 targeted)

Indicator 5.4: Number of climate change, impact assessment reports covering various socio-economic data publicly available based on climate services produced by this action

- 1- 03 Annual State of Climate reports for Africa, with session on drivers and impacts were published in 2020, 2021, 2022.
- 2- 2023 report is expected by Sep 2024
- 3- An assessment study report focusing on climate change indices from WMO guidelines is under internal review and will be released by the end of 2024

Target: 2 climate impacts assessment reports, initial value:0, actual value: 03 reports (above the 02 targeted)

Indicator 5.5: Number of continental or regional institutions/government representatives that can give at least 2 examples of having used the new climate information applications developed within this action





- 1- Intervention from Nigeria on good practices from Nigeria at the Global Platform for DRR in Bali (May 2022) on use of national climate outlooks for disaster management.
- 2- Minister of finance of Kenya report at finance session at COP 26 in Glasgow on climate informed declaration of expected drought emergency in September 2021 for the last quarter of 2021.
- 3- 01 additional example with UNHCR application vigilance product for better management of Refugee camps and displaced people in Africa.

Target: At least 3 examples for national governments or regional institutions use of climate information application, initial value: 0, actual value: 03 (target reached)





3. Major Meetings and events

The participation to COP 28 in Dubai with 4 side events organized and a high-level statement on the progress on operationalizing multihazards early warning and early action system highlighting early warning services as a priority area of intervention for the loss and damage fund given the accelerating frequency and impacts of extreme events.

The table below provides a list of events during year 3.

	Meeting / Forums / Workshop / Conference	Date	Venue
1	Flood Anticipatory Action	27-28 Mar, 2024	Abuja, Nigeria
2	7th DBNet Coordination Group Meeting (DBNet-CG-7)	19-21 Mar, 2024	Melbourne, Australia
3	AMHEWAS Co-production and Coordination Meeting	12-14 Mar, 2024	Nairobi, Kenya
4	ClimSA-AUC / 4 th Technical Expert Committee - 3 rd Programme Steering Committee (PSC) - Programme Advisory Committee (PAC)	11-15 Mar, 2024	Hybrid (Online, Abuja, Nigeria)
5	PRESAC-18: Regional Climate Outlook Forum for the Central Africa Region for MAM season	04-08 Mar, 2024	Online
6	PRESAGG-11: Regional Climate Outlook Forum for the Gulf of Guinea	26 Feb - 01 st Mar 2024	Hybrid (Online – Accra, Ghana)
7	GHACOF-66: Greater Horn of Africa Climate Outlook Forum	12-16 Feb, 2024 20-21 Feb, 2024	Hybrid (Online, Nairobi, Kenya)
8	ACCOF-15: African Continental Climate Outlook Forum	09 Feb, 2024	Online
9	Sub-Committee of OACPS Ambassadors Meeting	31 Jan, 2024	Online





	Meeting / Forums / Workshop / Conference	Date	Venue
10	Use of the risk information for the humanitarian action workshop	30-31 Jan, 2024	Abuja, Nigeria
11	SARCOF-28: Southern Africa Regional Climate Outlook Forum	22-29 Jan, 2024	Hybrid (Online, Maputo, Mozambique)
12	Visit of ambassador of Italia in ACMAD	16 Jan, 2024	Niamey, Niger
13	Visit of ambassador of Algeria in ACMAD	09 Jan, 2024	Niamey, Niger
14	African Drought Monitoring and Advisory: Online users' engagement	20 Dec, 2023	Online
15	COP-28	30 Nov-12 Dec, 2023	Dubai, United Arab Emirates
16	Réunion de lancement des travaux et formalisation de la Task Force régionale sur les Actions d'Anticipation au Sahel pour la Sécurité Alimentaire	27-28 Nov, 2023	Dakar, Senegal
17	ACCOF-14: African Continental Climate Outlook Forum	23 Nov, 2023	Online
18	Africa Multi-Hazard Early Warning and Early Action System (AMHEWAS) training course for ECOWAS Member States	14-16 Nov, 2023	Abuja, Nigeria
19	MEDCOF-21: Mediterranean Climate Outlook Forum	08-30 Nov, 2023	Online
20	The Nile Basin Development Forum (NBDF) 2023. Early Warning for All in the Nile Basin; Thematic Area 3: Climate Change Adaptation and Mitigation	16-18 Oct, 2023	Kampala, Uganda





	Meeting / Forums / Workshop / Conference	Date	Venue
21	Training Workshop on Climate Services for Building climate resilience of the Agriculture Sector in Africa using CLIMTAG	09-11 Oct, 2023	Lilongwe, Malawi
22	WMO 25th RA I Tropical Cyclone Committee (RA I TCC-25)	02-06 Oct, 2023	Réunion, France
23	1st Webinar on climate services for Risk Reduction in AFRICA: Improvement of early warning systems and adaptation measures for disaster risk reduction	28 Sep, 2023	Hybrid (Online – Lome, Togo)
24	SWIOCOF-12: Regional Climate Outlook Forum for the South West Indian Ocean Countries/Islands	18-22 Sep, 2023	Mauritius
25	SARCOF-27: Southern Africa Regional Climate Outlook Forum	18-28 Sep, 2024	Hybrid (Online – Port Louis, Mauritius)
26	NORCAP Climate action meeting	12-15 Sep, 2023	Nairobi, Kenya
27	Joint First African and Third OACPS Forum for the Intra-ACP Climate Services and Related Applications (ClimSA) Programme	11-13 Sep, 2023	Hybrid (Online – Seychelles)
28	African climate Week 2023	04-08 Sep, 2023	Hybrid (Online – Nairobi, Kenya)
29	African climate Summit 2023	04-06 Sep, 2023	Hybrid (Online – Nairobi, Kenya)
30	11 th Conference on Climate Change and Development in Africa	01-02 Sep, 2023	Hybrid (Online – Nairobi, Kenya)
31	East African Business and Investment Summit 2023	31 Aug-01 Sep, 2023	Hybrid (Online – Nairobi, Kenya)





	Meeting / Forums / Workshop / Conference	Date	Venue
			Kampala, Uganda)
32	Policy Dialogue Day for Anticipatory Action: "THE LOOMING EL NINO IS HERE AND THE EXPECTED IMPACTS ACROSS AFRICA COULD BECOME SIGNIFICANT"	24 Aug, 2023	Online
33	GHACOF-65: Greater Horn of Africa Climate Outlook Forum	14-18 Aug, 2023 21-22 Aug, 2023	Hybrid (Online, Nairobi, Kenya)
34	2023 Clim-Health Africa meeting	26-28 Jul, 2023	Hybrid (Online – Libreville, Gabon)
35	Africa Multi-Hazard Early Warning and Early Action System (AMHEWAS) Steering Committee Meeting	24-28 Jul, 2023	Hybrid (Online – Windhoek, Namibia)
36	ACCOF-13: African Continental Climate Outlook Forum	21 Jul, 2023	Online
37	Workshop on reviewing and exploring products supporting improvements on the annual state of climate report for Africa	11-13 Jul, 2023	Hybrid (Online – Accra, Ghana)
38	6th Africa Dialogue Platform	04-06 Jul, 2023	Johannesburg, South Africa
39	WWRP/WCRP S2S Summit 2023	03-07 Jul, 2023	Reading, United Kingdom
40	Training on high impact weather forecasting with WMO and EAMAC	03 Jul- 04 Aug, 2023	Niamey, Niger
41	Inauguration of the ECOWAS Situation Room	13-16 Jun, 2023	Abuja, Nigeria





	Meeting / Forums / Workshop / Conference	Date	Venue
42	Workshop on climate change and resilient development in Africa (AIMS)	12-16 Jun, 2023	Kigali, Rwanda
43	Regional meeting of West African Intergovernmental Organizations of West Africa	14-15 Jun, 2023	Dakar, Senegal
44	Post COP15 Webinar (Theme: The Paris Agreement and the Kunming-Montreal Global Biodiversity Framework (GBF) Nexus- Promoting Coherence Between Climate Actions and Biodiversity Strategies)	14 Jun, 2023	Online
45	Update for Climate Outlook Production for the SUDANI-Sahelian Region of Africa (PRESASS-10)	05-07 Jun, 2023	Online
46	CRD4 Africa workshop	23-25 May, 2023	Niamey, Niger
47	GHACOF-64: Greater Horn of Africa Climate Outlook Forum	15-19 May, 2023 22-23 May, 2023	Hybrid (Online, Addis Ababa, Ethiopia)
48	MEDCOF-20: Mediterranean Climate Outlook Forum	28 Apr- 30 May, 2023	Online
49	ACCOF-13: African Continental Climate Outlook Forum	27 Apr, 2023	Hybrid (Online – Niamey, Niger)
50	PRESASS-10: Regional Climate Outlook Forum for the Sudano-Sahelian Region	24-27 Apr, 2023	Niamey, Niger
51	Building Partnerships for Early Warning for all initiative in Africa: A national level example	20 Apr, 2023	Hybrid (Online – Abidjan, Cote D'Ivoire)





	Meeting / Forums / Workshop / Conference	Date	Venue
52	ACMAD /ClimSA Meeting of User Interface Platform on Climate Services for DRR with Emphasis on resilient Infrastructure design, building and operation	19 Apr, 2023	Hybrid (Online – Abidjan, Cote D’Ivoire)
53	3 rd ACMAD/ClimSA Steering Committee Meeting	18 Apr, 2023	Hybrid (Online – Abidjan, Cote D’Ivoire)
54	3rd ClimSA Central Africa Regional Steering Committee	06-07 Apr, 2023	N’djamena – Tchad
55	PRESAC 17 – Regional Climate Outlook Forum for the Central Africa Region for MAM season	03-05 Apr, 2023	N’djamena – Tchad





Annex I: List of ACMAD/ClimSA project staff as of March 2024

Last up date: March 30, 2024

N°	First name and surname	Project position	Start of contract	Address	End of contract	Observations
1	Dr André KAMGA FOAMOUHOUE	Manager/Executive	1 st , June 2021	Email address. akamgaf@yahoo.com / akamgafoamouhoue@gmail.com ; Mobile number. 0022796078629		
2	Dr Pierre Honoré KAMSU TAMO	Senior Thematic Experts (Lead Forecaster)	4 th October 2021	Email address. tamopierro@gmail.com Mobile number. 0022770807556		
3	Mr Léon Guy RAZAFINDRAKOTO	Thematic Expert (Forecaster)	1 st , July 2021	Email address. rleon_guy@yahoo.fr ; Mobile number. 0022798937902		
4	Mr Kila Yeawo Serge Apollinaire BAYALA	Communication Expert	1 st , July 2021	Email address. sergeclimat@gmail.com ; Mobile number. 0022798340730/ 0022790610000		
5	Mr Godefroid NSHIMIRIMANA	Thematic Expert (Forecaster)	1 st , July 2021	Email address. nshimigode@yahoo.fr ; Mobile number. 0022790609416		
6	Dr Kamoru Abiodun LAWAL	Thematic Expert Climate Change Scientist	1 st , November 2021	Email address. lawal.ka@gmail.com ; Mobile number. 0022786155518		
7	Mr Gilles Brice ADOUKONOU BAGAN	Finance and Administration Officer	19 th August, 2021	Email address. adkgilles@htmail.com Mobile number :+22796373134		
8	Mr Hubert KABENGELA NYAMABU	Thematic Expert (Climate Monitoring)	1 st , July 2021	Email address. hubertkabengela@gmail.com Mobile number :+22791831199		
9	Mr Mounkaila DJIBO	Support - Logistics	1 st , June 2021	Email address. djibo_mounkaila@yahoo.fr ; Mobile number. 0022791884434		
10	Mr Sunshine Mduduzi GAMEDZE	Technical -Short Term Experts	1 st , April 2022	Email address. gamedze@gmail.com; Mobile number. 0022799289637	31 st , August 2022	



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N°	First name and surname	Project position	Start of contract	Address	End of contract	Observations
11	Mrs Alou Zeinabou ALI	Support - Accountant	1 st , June 2021	Email address. zeinabou_ali@yahoo.fr ; Mobile number. 0022796992056		
12	Mrs Nafissa MOUSSA SOULEYMANE	Support - Human Resource	1 st June, 2021	Email address. nafissa_moussa@yahoo.fr ; Mobile number. 0022788347798		
13	Mr Ali Ahmed ABANI	Support- Computer network administrator	1 st June, 2021	Email address. aabani@yahoo.com Mobile number.+ 227 96644647		
14	Mrs Safia ALFA	Support - Secretariat	1 st June, 2021	Email address. dgacmad@acmad.org Mobile number.+ 227 96261757		
15	Mr Maman TOUZOUKOU	Support - Driver	1 st June, 2021	Email address. Mobile number.+ 227 96565165		
16	Mr Maixent Olivier Claver KAMBI	Second Expert	15 th March, 2022	Email address. maixentkambi@gmail.com Mobile number.+ 242068660005	14 th September, 2022	
17	Mrs Minette Iris MOTING MADEFO	Intern	1 st April, 2022	Email address. iris.moting@aims-cameroon.org Mobile number.+ 23779809625	30 th September, 2022	Resignation, 05 th September, 2022
18	Mr Jean Robin RAHERISAMBATRA	Intern	08 th April, 2022	Email address. jraherisambatra@aims.edu.gh Mobile number.+261(0)342480279	07 th October, 2022	
19	Mr Yacouba OUEDRAOGO	Intern	04 th April, 2022	Email address. yacouba.ouedraogo@aims-senegal.org Mobile number. +221772867 111	03 th October, 2022	
20	Mrs Marie Yvonne UWERA	Intern	04 th April, 2022	Email address. uwemarivo@gmail.com - Mobile number. +250 788 87 15 66	03 th October, 2022	
21	Mr Leta Bekele GUDINA	Second Expert	01 st August 2022	Email address. letaabreham@gmail.com - Mobile number. +251927237374	30 th November, 2022	





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N°	First name and surname	Project position	Start of contract	Address	End of contract	Observations
22	Mr Mohammed AMINU KANGIWA	Second Expert	01 st August 2022	Email address. mohammedaminuk@gmail.com - Mobile number. +234 803 517 3460	30 th November, 2022	
23	Mr Atoyebi BABATUNDE OLUWABUKOLA	Trainee (On Job Training)	01 st August 2022	Email address. lovatjerato@yahoo.com - Mobile number. +234 806 540 8207	30 th November, 2022	
24	Mr Oumar SANE	Trainee (On Job Training)	01 st August 2022	Email address. oumar.sane@anacim.sn - Mobile number. +221774215183	30 th November, 2022	
25	Mr Gréma Kaoumi GAPTIA LAWAN KATIELLOU	Support- Short Term	01 st August 2022	Email address. gaptiabli@gmail.com - Mobile number. +221774215183	31 st January, 2024	
26	Mrs Oluwatosin Motunrayo AKINTOMIDE	Intern	13 th October, 2022	Email address. akintomidetosin@yahoo.com number +2348063449059	01 st February, 2023	
27	Mrs Gaella- Bentricia BITSOUMANI-NGOUAYA	Trainee (On Job Training)	31 st October, 2022	Email address. nbentricia@gmail.com number +242050127681	30 th April, 2023	
28	Mrs Fatou TINE	Intern	19 th January, 2023	Email address. fatou.tine@aims-senegal.org number +221779186727	30 th June, 2023	
29	Mr Kouakou Innocent N'DRI	Intern	19 th January, 2023	Email address. kouakou.i.ndri@aims-senegal.org number +22177762094	30 th June, 2023	
30	Mrs Ifeoluwa Ruth OLONIJOLU	Intern	19 th January, 2023	Email address. ruth.ifeoluwa@aims.ac.rw number +2347067606729	30 th June, 2023	
31	Mrs Blessing Oluwatoyin ADELABU	Intern	19 th January, 2023	Email address. blessing.o.adelabu@aims-senegal.org number +2348108749795	30 th June, 2023	
32	Mr Hans Ndonwi AMBESI	Second Expert	03 rd March 2023	Email address. hansndonwi@gmail.com – Mobile number. +237 677836679	02 nd May, 2023	
33	Mr Camille Serge Stéphane AHILE	Trainee (On Job Training)	01 st March, 2023	Email address. camille.ahile@sodexam.ci number +22578027287	31 st May, 2023	



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Applications for Development

N°	First name and surname	Project position	Start of contract	Address	End of contract	Observations
34	Mr Olivier Umba THAMBA	Second Expert	01 st April 2023	Email address. oligothamba@gmail.com – Mobile number. +243998443737	31 st July, 2023	
35	Mr Arnol Joel MAMBOUNDOU	Trainee (On Job Training)	29 th May 2023	Email address. mamboundou20@gmail.com – Mobile number. +241 66 26 59 23	19 th September, 2023	
36	Mr Justino DA COSTA	Trainee (On Job Training)	05 th June 2023	Email address. dacostajustino09@yahoo.com.br – Mobile number. +245 955 385 017	30 th September, 2023	
37	Mr Herilanto Marius RASANDIMALALA	Trainee (On Job Training)	23 rd June 2023	Email address. rasandimalala.mto@gmail.com – Mobile number. +261 34 25 131 10	20 th October, 2023	
38	Mr Akotchaye Franck Bienvenu OLODO	Trainee (On Job Training)	30 th June 2023	Email address. olodofranck@gmail.com – Mobile number. +229 66 21 20 21	28 th October, 2023	
39	Mr Aliou MAIGA	Trainee (On Job Training)	02 nd December 2023	Email address. alisagayar@gmail.com – Mobile number. +22378664446	30 th March, 2024	
40	Mr Amza LABOUDA	Trainee (On Job Training)	22 th October 2023	Email address. amzalabouda@gmail.com – Mobile number. +22964794979 / 97526641	21 st February, 2024	
41	Mr Alhagie DARBOE	Trainee (On Job Training)	30 th October 2023	Email address. alhagie_darboe@yahoo.com – Mobile number. +220 7063561	29 th February, 2024	
42	Mr Niamkey Alfred Thierry Stéphane FOBA	Trainee (On Job Training)	09 th December 2023	Email address. thierry.foba@sodexam.ci – Mobile number. +225 0749677154	29 th December, 2023	
43	Mr Nana Kofi OPOKU	Second Expert	20 th March 2024	Email: opokunn@yahoo.com.au Mobile number:+233 207 778 546	19 th July 2024	



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Annex II: Summary Expenditure Report Year 3 (separate document)

Annex III: Work plan and budget for year 4 (separate document)



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