

NEWSLETTER

Jul-Aug-Sept 2024

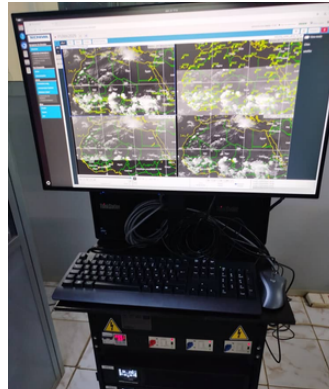
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Strengthening Climate Resilience In Africa: The 19th Central African Seasonal Climate Forecast Forum (PRESAC19)

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Installation of Meteosat third generation (MTG) data at ACMAD



Dr Lawal Kamoru presenting ACMAD products during the EUMETSAT Forum



STRENGTHENING CLIMATE RESILIENCE IN CENTRAL AFRICA: THE 19TH CENTRAL AFRICAN SEASONAL CLIMATE FORECAST FORUM (PRESAC19)

ACMAD and Partners Organized the 19th Central African Seasonal Climate Forecast Forum (PRESAC19)

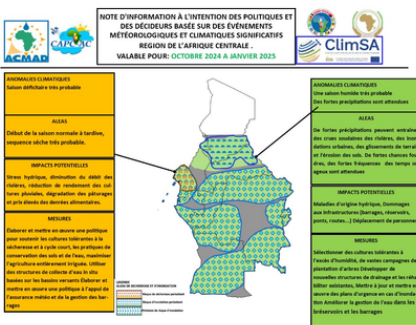
ACMAD, in collaboration with WMO and national meteorological and hydrological services, and under the coordination of the African Union through the ClimSA project, organized the 19th Central African Seasonal Climate Outlook Forum (PRESAC19) in Douala from September 9 to September 13, 2024.

The aims was to produce a consensus-based seasonal climate forecasts for countries in the sub-region of central Africa, covering the periods from October to December 2024 and from November to January 2025.



Participant Working Groups, 11 September 2024, Douala

Key Outcomes of PRESAC19



the Central African Republic, the northern, western, and eastern parts of the Democratic Republic of Congo, Congo, Cameroon, Burundi, Rwanda, Equatorial Guinea, and São Tomé and Príncipe.

During the user engagement session, discussions focused on climatic hazards, potential impacts, and proposed measures for water, health, disaster risk management, and agricultural sectors. These recommendations aim to improve anticipatory actions and strengthen the region's resilience. Download the full PRESAC press released here: <https://bit.ly/3ZxGHC7>

Climate anomalies and major hazards, potential impacts and proposed disaster management measures in Central Africa from October to December 2024

For the October to January 2025 season, slightly above-average cumulative rainfall is expected in southern Chad,

Meanwhile, below-average rainfall is anticipated in southern Angola and the southern part of the Democratic Republic of Congo. Furthermore, heavy rains, which could potentially cause flooding and strong winds, might impact the region.



Prof Mansur Matazu, Climate expert at ACMAD during the PRESAC

ONLINE USER ENGAGEMENT SESSION

ACMAD hosted an Online Capacity Building Session on Agricultural Onset Monitoring Tool

On September 3rd 2024, ACMAD hosted an engaging online session focused on Africa's rainy onset monitoring. The event introduced an interactive onset monitoring and forecasting tool, aimed at strengthening the skills of national climate experts. It was also an exciting opportunity to explore collaborative approaches for validation and downscaling at the national level!

Find more about this rainy onset platform

👉 bit.ly/4ayaMp9



Online presentation of the onset monitoring system

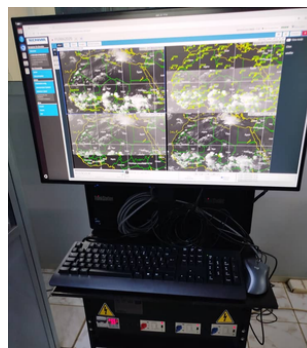
EMPOWERING AFRICAN METEOROLOGISTS WITH METEOSAT THIRD GENERATION (MTG) DATA

ACMAD hosted the AUC team for the Installation of PUMA2025 and ClimSA Station Deployment

On September 23, ACMAD welcomed the AUC technical team for the deployment of a new forecasting tool: **the PUMA 2025 system and climate station**. This significant milestone was achieved through collaboration with the ClimSA Programme under the AUC. Funded by the European Union and implemented by the Organisation of African, Caribbean, and Pacific States (OACPS), the ClimSA Programme aims to strengthen the climate services value chain. This includes improving access to information, generating and providing climate services, and fostering user engagement and capacity building to ensure the effective utilization of these services.

One of the special features of PUMA25 is the access to data from the MTG Météosat, the 3rd generation of meteorological satellites. This new infrastructure will provide images of Africa with a higher resolution than is possible today, and more frequently, i.e. every 10 minutes.

Training is currently underway to equip the ACMAD team with the skills to operate and maintain this innovative system, marking an exciting leap forward in forecasting capabilities.



Pictures of PUMA2025 and CLIMSA station Deployment
September 23rd 2024, Niamey



CONSULTATION WORKSHOP FOR ESTABLISHMENT AND OPERATIONALIZATION OF USER INTERFACE PLATFORMS FOR CLIMATE SERVICES IN CAMEROON

ACMAD and DMN Cameroon join forces to establish a User interface Platform for DRR and Agriculture in Cameroon

From 23 to 25 July 2024 in Douala, Cameroon, ACMAD, in collaboration with the WMO, ClimSA, and the National Meteorological Center of Cameroon, organized a consultation workshop to establish and operationalize a user platforms for climate services in the agriculture and disaster risk management (DRR) sectors.

During his opening speech, Director Mr. Tchinda highlighted the crucial role of the UIPs, stating that they will serve as a platform to bridge the gap between climate service providers and various socio-economic sectors and users in Cameroon.



Mr Simplicie Tchinda Tazo, Director of DMN Cameroon, 23 July 2024, Douala

The workshop was an exciting step forward in shaping climate services that truly meet the needs of the agriculture and DRR sectors. With ACMAD's technical support, Cameroon's meteorological service successfully:

- Finalized the Terms of Reference, along with tailored products, services, and clear Rules of Procedure for the agriculture-DRR interface.

- Engaged with key stakeholders to understand their unique climate service needs.

The workshop also served as a platform to raise awareness about the importance of co-producing and using these tools to improve planning and build community resilience.



Participants during working Group Session 24 July 2024, Douala

[**Read more**](#)

5TH CLIM-HEALTH AFRICA MEETING

Strengthening Health Resilience in Africa: ACMAD's contribute in Shaping the 2025-2030 Strategic Work Plan at the 5th Clim-HEALTH Africa Meeting

During the 5th Clim-HEALTH Africa meeting, held from September 24-26, 2024, in Dakar, Senegal, ACMAD, alongside WHO, and other key partners, collaborated to finalize the 2025-2030 strategic work plan.

ACMAD actively contributed to discussions on climate-health integration, capacity-building, and the development of early warning systems. This event also provided a platform for ACMAD to showcase its ongoing work in co-developing climate services for the health sector, such as early warning systems for meningitis and heatwaves.

The outcomes of the meeting will play a crucial role in strengthening health resilience across Africa in response to climate change.



Mrs Wendlasida Combéré (ACMAD), 26 September 2024, Dakar



Group photo , 24 September 2024, Dakar

16TH EUMETSAT USER FORUM IN AFRICA

We were proud to join Partners at the EUMETSAT User Forum held in Cotonou, Benin from 16-20 September 2024. The event provided a platform for African Meteorologists to share knowledge and best practices on the use of data from Meteosat Geostationary Satellites.

ACMAD underscored the need to build the capacities of NMHSs in Numerical Weather Prediction and Satellite Meteorology, enhance Climate Information Services to strengthen resilience against weather and climate-related disasters, and adhere to the AMSAF Abidjan 2019 declarations.



*RCCSs representatives during panel discussion
September 2024, Cotonou*



*Dr Lawal Kamoru, ACMAD climate change expert
September 2024, Cotonou*

ON THE JOB TRAINING

of NMHSs
Experts

ACMAD's commitment in building capacities of Climate Services experts Across Africa

One of ACMAD key missions is to strengthen the technical capacities of National Meteorological and Hydrological Services (NMHS) agents across the continent. To achieve this, ACMAD has a various capacity building programs which include the On the job training.



Pictures of PUMA2025 and CLIMSA station Deployment
September 23rd 2024, Niamey

Enhancing the NMHSs Experts skills through the On-The-Job-Training program

This is a capacity-building program where junior professionals are deployed at ACMAD to enhance their skills in a selected thematic area, such as climate prediction, extreme weather forecasting, impact-based forecasting, or climate services applied to key sectors. The training duration ranges from a few weeks to several months, during which trainees gain exposure to the latest technologies, methodologies, and tools for climate information services in Africa. It also serves as an opportunity for knowledge sharing and the downscaling of innovative tools to the national level, tailored to the specific needs of their countries.

Thanks to ClimSa support, ACMAD has trained so far:

- 42 experts from National Meteorological and Hydrological Services (NMHSs) across 19 countries in areas such as nowcasting; climate monitoring, and assessment; Synoptic and mesoscale forecasting; Long-range forecasting; Developing vigilance and advisory bulletins.; Onset monitoring and seasonal outlooks.
- 11 master's students from the African Institute for Mathematical Sciences (AIMS), equipping them with tools, methods, and techniques in weather and climate forecasting.

This program not only enhances technical expertise but also strengthens the capacity of NMHSs to deliver tailored and impactful climate services at the national level.

Testimonies from recent Alumni's

Arsene Mohamed



The methods of forecasting extreme weather phenomena that I learned during my internship will enable me to improve forecasts in my country. This will help to better anticipate disasters, thereby reducing human and material losses, while strengthening the capacity of Comorian communities to cope with climate crises.

“This training has provided me with essential skills in impact-focused seasonal forecasting. The expertise gained at ACMAD will play a crucial role in improving the anticipation and response to future climate challenges, helping to mitigate economic losses and ensure food security in the Union of the Comoros.”



Miroirdine Kamardine

Esther Modi Mbog



“ This combined training in weather prediction and communication gave me the opportunity to sharpen my forecasting skills, especially for extreme events like dust storms, heavy rainfall, and heatwaves. But more importantly, I learned how to turn science into actionable and user-friendly information that can truly make a difference ”

“ACMAD offers a wide range of forecasting products and techniques, which have greatly enriched my experience. I am grateful to ACMAD for their consideration of women in the selection process, promoting gender inclusion in their programs”.



Loula Mahamout

Partners:



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