

Main outcomes

16th EUMETSAT User Forum in Africa

16-20 September 2024
Cotonou, Benin



MTG is now a reality in Africa

- 1) MTG data are available on EUMETCast-Africa
- 2) First PUMA-2025 stations are installed, system was demonstrated
- 3) NMHS are informed on deployment and training

While waiting for your PUMA-2025 stations:

- 1) MTG data soon available on EUMETView
- 2) Engage with NREN for a EUMETCast-Terrestrial connection for full access to MTG data



New “Space for Early Warning in Africa” project start

- 1) EU and AUC announced new project to support use of space for early warning in Africa for 2025-2028. It includes:
 - Accompany MTG transition
 - Maintain RARS Africa to improve NWP models (global and regional)
 - Establish ASMAF Nowcasting in each region
- 2) NMHS initiated the discussion on the establishment of AMSAF-Nowcasting in each region, jointly coordinated by the RSMC (ANACIM, KMD&TMA, SAWS) and RECs specialised centres (AGRHYMET, ICPAC, CAPC-AC, SADC-CSC)
- 3) EUMETSAT and its NWC SAF will further engage with the regions

Progress in Climate and Air Quality monitoring

- 1) Welcomed the Cotonou Declaration on satellite data for monitoring Greenhouse Gases (GHG) and Air Quality
- 2) CLIMSA climate station is demonstrated and deployment is on-going.
- 3) CLIMSA services are available in the various regions
- 4) Great interest by several NMHS in the CM-SAF, H-SAF and TAMSAT data



EO is key for Hydrology – call for more cooperation

- 1) Key role of EO to support activities of the River Basin Authorities (RBAs) in Africa (lack of ground measurement, extent of the basin)
- 2) Need for RBAs to ensure transition to MTG, and to ensure they can benefit from H-SAF and TAMSAT data and products
- 3) Willingness of RBAs to share knowledge and experience on use of EO to support their respective mandate, under AUC / AMCOW coordination

Main recommendations

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Recommendation - PUMA-2025 and ClimSA Stations Deployment

- 1) Each NMHS to confirm their EUMETSAT Earth Observation Portal (EOP) Point of Contact
- 2) AUC to provide NMHS Director copy of the correspondence sent through Ministry of Foreign Affairs, as well as the list of donated equipment to facilitate preparation of customs clearance
- 3) NMHSs Director to ensure availability of their IT personnel during the stations deployment and installation

Recommendation - PUMA-2025 and ClimSA Stations Training

- 1) AUC, in coordination with EUMETSAT, IMTR and EAMAC to continue cooperation to ensure that all NMHS can have at least 2 persons trained on the new PUMA-2025 in a timely manner
- 2) AUC, in coordination with JRC and RECs specialised centres (AGRHYMET, ICPAC, CAPC-AC, SADC-CSC) that all NMHS can have at least 2 persons trained on the new CLIMSA Climate station in a timely manner

Recommendation – EUMETCast-Terrestrial and EUMETView

- 1) The Forum recommends to NMHSs and Regional Centers to take benefits of the AfricaConnect project and engage with their NREN at national level to connect to EUMETCast-Terrestrial in order to potentially receive all MTG data’;
- 2) The Forum recommends to NMHS to use EUMETView as a back-up to EUMETCast, and to visualize MTG data while the PUMA-2025 are being deployed.
- 3) The Forum recommends to EUMETSAT to continue assisting NMHS in engaging with NREN and in accessing training materials and information on EUMETView and EUMETCast-Terrestrial

Recommendations – Establishment of regional AMSAF-Nowcasting (generic)

- 1) RSMCs and REC's centers to act as regional coordinator for the establishment of the AMSAF-Nowcasting in each region (Western, Central, Eastern, Southern inc. Indian Ocean)
- 2) RSMCs and REC's centers to engage with NMHSs on the needs, current capacities and gaps on the use of Nowcasting for Early Warning (e.g. survey)
- 3) EUMETSAT and NWC SAF to share with regional AMSAF-NWC further information notably the technical specifications for the infrastructure to run the NWC SAF software
- 4) EUMETSAT and NWC SAF to engage with the RSMC and REC's centers in each region to support the process and identify the necessary activities and infrastructure to establish and operate a regional AMSAF-Nowcasting

Recommendations – Establishment of regional AMSAF-Nowcasting (specific)

- 1) Western Africa – engage with English speaking NMHS having experience with Nowcasting SAF in the region
- 2) Eastern Africa – consider using the NWC-SAF for Polar Orbit, in connection with the RARS station at ICPA
- 3) Southern Africa – ensure coverage of Indian Ocean, and taking into account their specific needs
- 4) Northern Africa – engage with WMO to initiate process for RSMC for Northern Africa
- 5) Central Africa – CAPC-AC to coordinate (while RSCM is designated) with support from ACMAD and ANACIM

Recommendations – CM SAF data in Climate station

- 1) EUMETSAT, the CM-SAF and the Joint Research Centre (JRC) collaborate to assess the feasibility of integrating CM-SAF products and tools into the ClimSA Climate Station

Recommendations – Subseasonal forecast

- 1) The Forum recommended that RECs specialized centres (e.g. RCC) and AUC to consider pursuing ClimSA efforts on developing services based on Sub-Seasonal Forecasting and consider reinforce it in a potential ClimSA follow-on activities

Recommendations – Cotonou Declaration and Air Quality

- 1) The Forum welcome the Cotonou Declaration and encourage to signatories to ensure a streamlined implementation of the Declaration
- 2) On Air Quality, the Forum recommended to EUMETSAT to further organise training events in the continent and, in consultation with WMO and AUC, to consider promoting establishment of an African Training infrastructure on this topics (e.g. group of African trainers and institutions that can provide training)

Recommendations – EO for Hydrology

- 1) River Basin Authorities (RBAs) and EUMETSAT to cooperate to facilitate the transition of RBAs to MTG, as well as strengthen use of H-SAF and TAMSAT data and products, in complement to ground observations;
- 2) RBAs to engage with hydrologist at national level to create awareness on the PUMA-2025 and Climate stations, and encourage their use for hydrology applications;
- 3) AUC to engage with AMCOW and RBAs in order to facilitate sharing of knowledge and experience on use of EO to support their respective mandate
- 4) EUMETSAT and H-SAF to continue engaging with African institution for training and CAL/VAL activities in line with the outcome of the EO – Hydrology workshop from March 2024 (AUC/EUMETSAT).

Recommendation – Blue Economy

The Forum acknowledged the progress made by the GMES & Africa marine and coastal services consortia in cooperating with meteorological services, especially for the safety-at-sea service .

- 1) The Forum encouraged the two consortia to continue strengthen collaborations in order to extent the geographic coverage&impact of their services (more countries) and cooperate with NMHS when engaging with user communities at national level.

Recommendation – Climate Agrometeorology

- 1) Consider to update/upgrade the existing agro-met platform at regional and national level (including the ClimSA stations) so that they can also benefit from the MTG, H-SAF and TAMSAT data;
- 2) Agrometeorologists in NMHS are encouraged to access on-line training material made available by the H-SAF and TAMSAT on their products for agriculture;
- 3) Agrometeorologist in NMHS are encourage to access the Copernicus Climate Change Service (C3S) CDS platform, via the CLIMSA station, and explore the numerous products available on this platform for seasonal forecasting;

CIMA to consider including MTG data&products into the MyDewetra platform

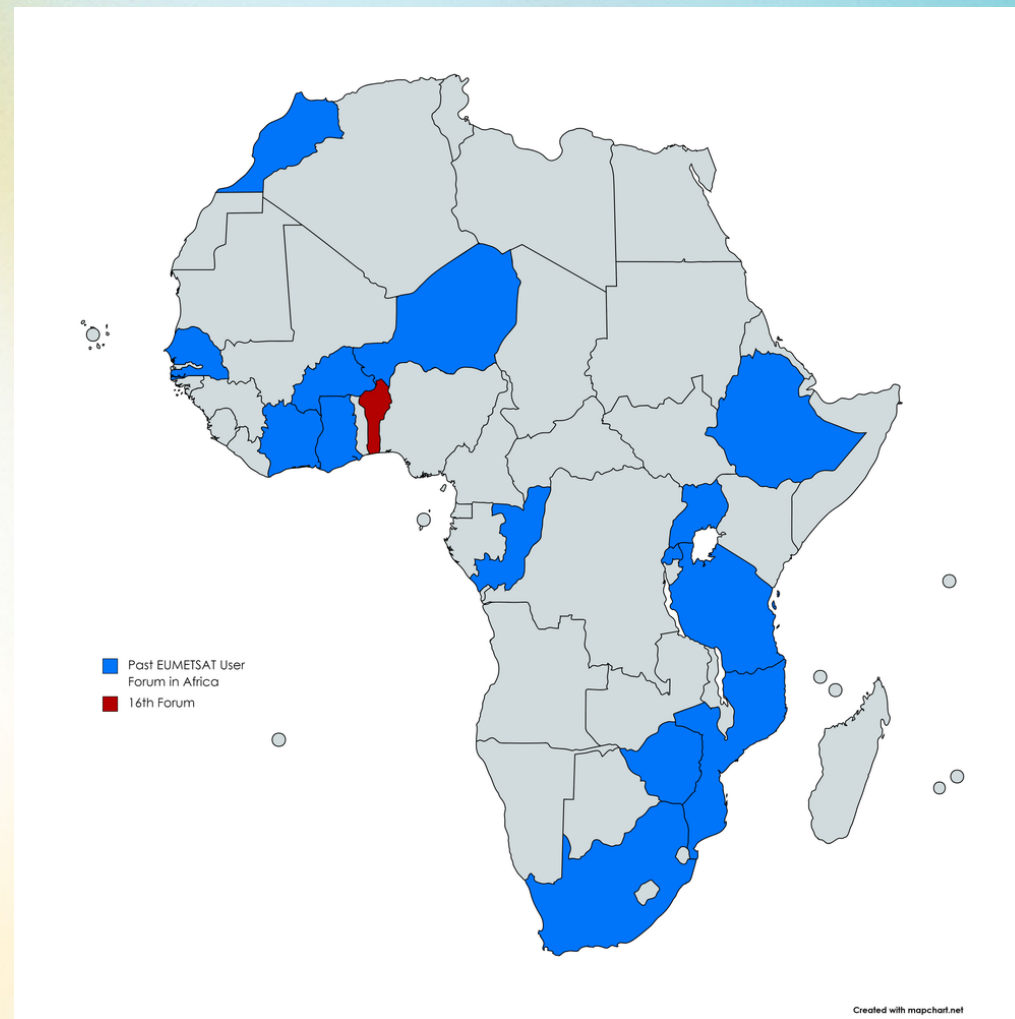
SURVEY / QUESTIONNAIRE

QUIZZ TIME

Prochain Forum

17th EUMETSAT User Forum in Africa

2026



CEREMONIE DE CLOTURE

- EUMETSAT
- WMO
- AUC
- Benin

MTG is now reality in Africa

- 1) Scope of the Session #4
- 2) Summary of the presentation
- 3) Key messages from the Working Groups