

Report of the 16-EUFA Interactive Session #2: Space in support to Early Warning System (MTG-AMSAN)

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Headlines

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

Objectives:

To inform the participants about upcoming Space in support to Early Warning System (MTG-AMSAN) project and its development at Continental and Regional levels.

Content of the session:

- 2 Introductory presentations from AUC and EUMETSAT
- Splinter groups per region (provide requirements based on project's presentation).

Status of Implementation of the Abidjan Declaration on New Generation of Satellite Products for Africa, *AUC*

Recall the Abidjan Declaration aims to:

- a) Support transition to MTG
- b) Strengthen capacities and develop AMSAF

*Signed by Côte d'Ivoire, AMCOMET Chair, AUC, and the RECs,
Taken into account into the Integrated African Strategy on Meteorology,
Dar es Salaam Statement (2022) to support fund mobilisation.*



Creation of a Joint Working Group

-> develop a Roadmap, Programme concept etc.

AU ARBE Commissioner transmitted the Dar-es-Salaam Statement to EU International Partnerships (INTPA)

Support from INTPA within the Africa-EU Space Partnership under the Space for Early Warning project

Project to be presented during Session #2 (Tuesday 17/9)

Meteosat Third Generation and African Meteorological Satellite Application Facility (AMSAT), *EUMETSAT*

Reminder on **MTG** status and on FCI and LI instruments capabilities

AMSAT concept : African-made satellite products answering African needs

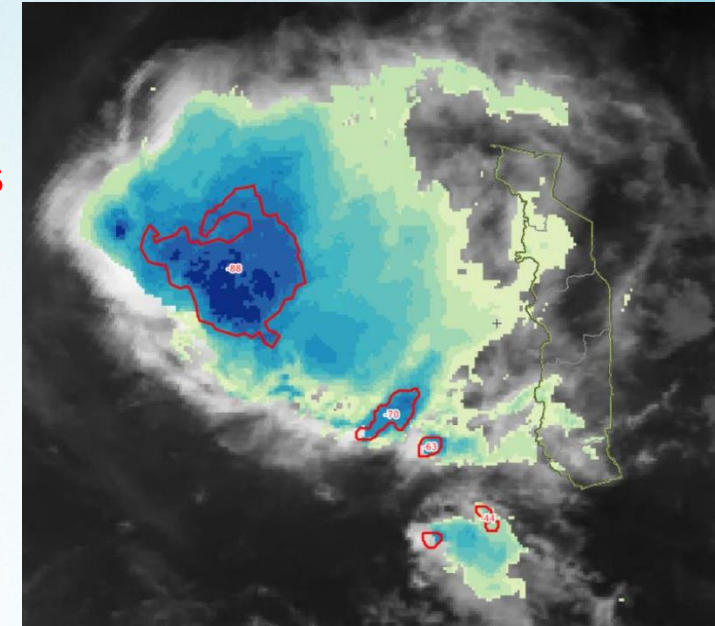
AMSAT will first focus on **Nowcasting activities**.

AMSAT-Nowcasting Concept: each African region will generate its Nowcasting products to answer specific NMHS needs for that region.

-> **Based on NWC-SAF !**

To be implemented in 2025-2028 for the four SSA regions

AMSAT roadmap will be further developed for other products/thematics .



Working Groups organised per Region :

Discussions on the NMHS's use of NWC SAF products and on how they access NWC products.

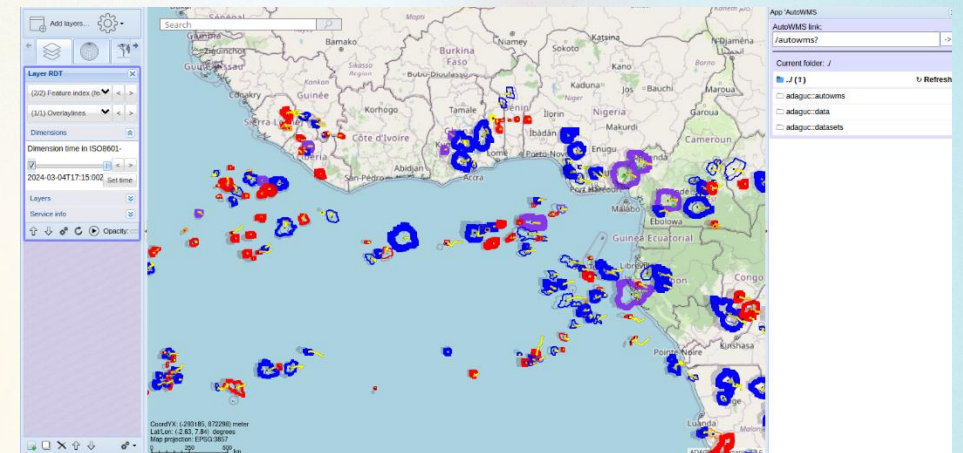
WG #1 Western Africa

WG #2 Central Africa

WG #3 Southern Africa and Indian Ocean

WG #4 Eastern Africa

WG #5 North Africa



Nowcasting products used:

- Disparate situation:
- Products mostly used are RDT, CI, CRR, DUST also RGB imagery, or 12 channels of MSG for Cloud Observation
- Some NMHSs are using products provided by their RSMCs / Severe Weather Forecasting

Applications: convection monitoring, fog monitoring, precipitation, marine forecasting, snow, dust

Data access

- Through PUMA 2015, Eumetview, Cloud (WEkEO), NWCSAF web page
- Some NMHSs raised various issues with the PUMA-2015 Stations,



Main recommendations

- More training needed on NWC SAF products and what product to use for specific weather phenomena,
- Consider the RSMCs and the Regional Institutions to support Nowcasting activities,
- Challenges:
 - to increase awareness and education on Nowcasting
 - To Increase the link with Social media / Radio stations, TV, mobile Apps and other media



Great expectations from MTG and impact on RSMC products

Thank you!
Questions are welcome.