

Recommendations from 14th EUMETSAT User Forum in Africa

08/06/2022



Introduction

What happened since 14-EUFA ?

Overall status

Recommendations per status and per topic.

Status per recommendation



- Since 14-EUFA (Online Forum, September 2022):
 - Launch of the 1st MTG satellite is scheduled for Q4-2022
 - AUC/AfDB programmes (EU Funded)
 - Start of the ClimSA programme (Q4/2019)
 - Phase 2 of the GMES & Africa programme started (Q1/2022)
 - Closure of the AfDB/SAWIDRA programme (Q1/2021)



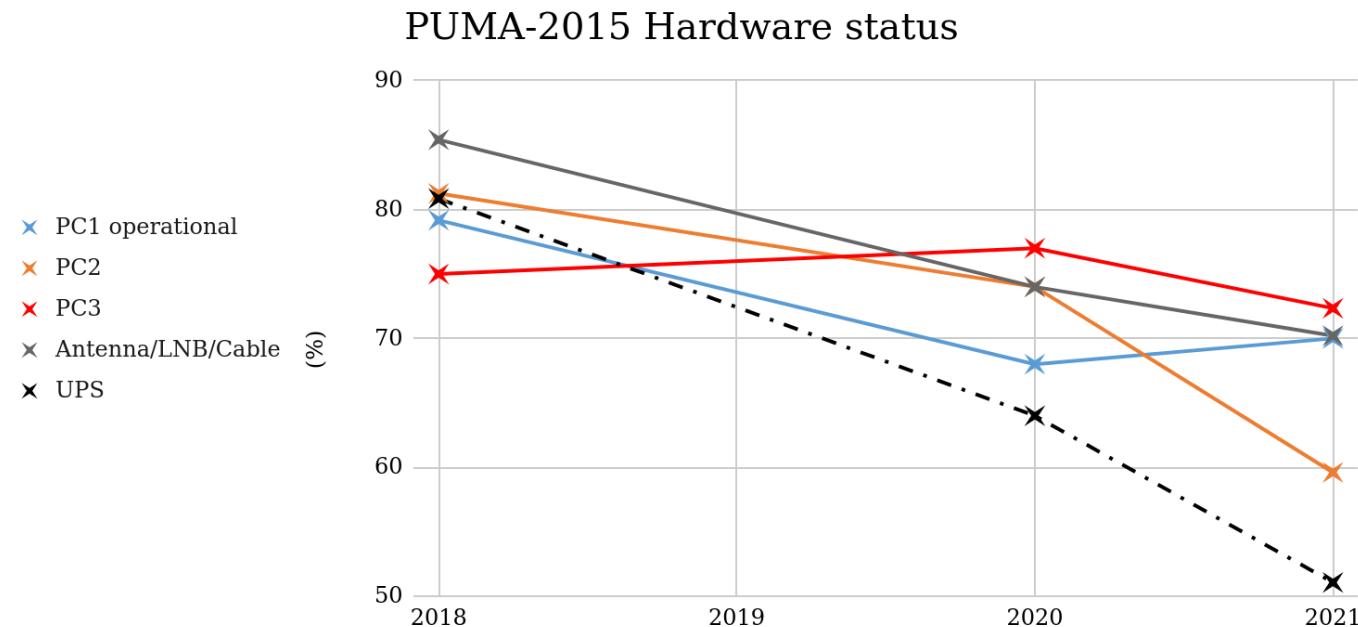
14-EUFA : 24 recommendations

| Topics | Status of recommendation | | |
|---|--------------------------|----------------------------|----------|
| | Closed | On-going | Open |
| Data access (3) | #1, #2 | #3 | |
| Meteosat Third Generation (5) | | #4, #5, #6, #7, #8 | |
| RAIDEG and Training (3) | #9 | #10, #11 | |
| Climate / Nowcasting / Atmospheric composition (6) | #14 | #12, #15, #16, #17 | #13 |
| Capacity Building programme (7) | | #19, #20, #22, #23, #24 | #18, #21 |

Status per Recommendation

#1 - PUMA 2015 stations (MSG)

- Maintenance contract under G&A phase not signed,
- Maintenance under phase 2 will be provided at regional level where possible,
- Software upgrade for Nowcasting RDT and CRR and Instability products performed
- NMHS participated to the 2021 survey on status of PUMA stations (67 answers)





#2 - Future PUMA-202X-MTG stations

- Lessons-learned gathered by RAIDEG members & EUMETSAT Help Desk,
- PUMA technical specification revisited:
 - MTG compatible,
 - ECast Africa AND ECast Terrestrial compatible

More details during **Session #2** on MTG

#3 - New data services

- User Support Knowledge-Base service in place,
- WEkEO DIAS (Cloud computing) is operational since 2021 / Artificial Intelligence for Earth Monitoring course (Q1/2022)
- EUMETCast Terrestrial is under test with SAWS, RCMRD and CSIR.

More details during **Session #1** (*Next session*)

#4 - Transition Roadmap: Under implementation

#5 - MTG contribution to service improvements (on-going)

- New capabilities of the FCI and LI instruments for potential improvement of NMHS services

#6 - Support documentation for the transition to MTG (on-going)

- MTG Africa Products User Guide [AfricaPUG] to be updated by end of June 22,
- Centralised repository relevant to MTG in Africa under creation.

#7 - Training needs and transition to MTG (on-going)

#8 - MTG and North Africa (on-going)

More details during sessions #1 (Data access and Training) and #2 (MTG)



#9 - RAIDEG and national focal points (on-going)

- WMO asked the RA-I PRs to name one focal point who can serve as point of contacts for RAIDEG

#10 - Training needs on sat meteorology

- See **session #1**, presentations from EUMETSAT on ASMET and the Vlab Training Centres on Training plan for the Year 2022-23

#11 - Online Training opportunities

- The ASMET Africa portal is centralizing the training resources as well as the announcements of the training sessions:

<https://asmet.africa/>

#12 - Climate data (On-going)

#13 - EUMETSAT Climate Data cube (On-going)

- Awareness raised through various events (GHACOF, 14-EUFA, dedicated training event)

#14 - ClimSA JRC Climate Station (On-going)

- Climate Station to be deployed in NMHSs in Y2023-24 (under ClimSA project)
- Consolidation of design : NMHSs to be consulted via RCCs and JRC on the design of the C-Station

*More information during **Session #3** (on Thu 09th at 12:00 UTC)*



#15 - Guidelines for Nowcasting applications in Africa (on-going)

- **Guidelines** under elaboration with the support of the WMO, ACMAD, EUMETSAT, SWIFT programme, NWC-SAF (among others),
- **Webinar on Nowcasting in African** organised by EUMETSAT and SWIFT programme in March 2022 (284 participants).
 - Video of the Webinar: <https://www.youtube.com/watch?v=Cvb8vo7IGF4>
 - Agenda & presentations : <https://www.eumetsat.int/webinar-nowcasting-africa>

#16 - African Hub(s) and NWC SAF products (on-going)

- EUMETCast Terrestrial is a demonstration dissemination service.
- It functions like the satellite service, but using a terrestrial network instead of a satellite network. The network used is the National Research and Education Network (NREN) and the GÉANT infrastructure.
- RCMRD, SAWS and CSIR connected and under test.

#17 - Atmospheric composition monitoring (on-going)

- On-going awareness raising activities from Agencies and Institutions (e.g CAMS, AC-SAF consortium) about

#18 - Maintenance of PUMA & MESA stations (open)

- Maintenance contract under G&A phase not signed,
- Maintenance under phase 2 will be provided at regional level where possible.

#19 - GMES & Africa Services consolidation under Phase 2 (On-going)

- 8 regional consortia selected (2 on Marine and Coastal and 6 on Land),
- Continuity of services with phase 1,
- Activities started in Q1/2022.

#20 - Cross-fertilization with other EO Capacity Building Programme (On-going)

- 2nd GMES&Africa Forum organised in Abidjan in Dec 2021

#21 : Involvement of North Africa in ClimSA (open)

#22 : Engagement of NMHSs with their RCCs (on-going)

- ClimSA Forum held online in Nov 2021
- Intra-ACP ClimSA programme : operational activities are starting, including within Focus countries,
- Deployment of Climate stations at NMHS level are foreseen for the Years 2023-2024

=> More information during **Session #3 on Climate Services** (*on Thu 09th June at 12:00 UTC*)

4 RARS antennas installed at AGRHYMET (Niger), AGEOS (Gabon), ICPAC (Kenya) and SANSA (RSA),

HPCs have been installed in the Reg Centers,

Equipments have been purchased for the countries.

#23 - SAWIDRA-Follow-on (on-going)

Post-SAWIDRA workshop organised by AfDB and EUMETSAT in December 2019.

Various options under investigation:

- Short-term: through ClimSA (regional grants),
- Mid-term: through ClimDev phase-2 and/or AfDB regional support (Sahel and Horn of Africa).

#24 - RARS-Africa network operationalization and GTS (on-going)

- Specific support to connect RARS stations to WMO Regional telecommunications hubs and/or to SAWS,
- GTS transmission under tests at each station level.



Thank you!
Questions are welcome.