

WG #4

Feedback sur les stations PUMA (FR)

Participants

- EAMAC / EUMETSAT
- Burkina Faso (2)
- Benin
- Tchad (2)
- Madagascar (2)
- Mali (1)
- RDC (1)
- Cameroun (1)
- ACMAD (1)
- Tecnavia (1)
- Niger (1)

Discussion

1. Q&A
2. Round table on PUMA-2015 – 2025 transition
 - How was the transition
 - Missing functionalities
 - Good new features
3. Short intro to the survey (asking one response per NMHS)

Summary of discussion (1)

• Overall Situation

- Many NMHSs still rely on PUMA-2015 for operations.
- PUMA-2025 is often used as backup during transition.
- Main concerns: usability, missing features, and latency.
- Tecnavia ready to support

• Positive Points

- Access to MTG imagery and new products.
- Remote web-based access appreciated.
- Some countries already operational on PUMA-2025

• Main Issues

- Delays in MTG and model data.
- Missing functions compared to PUMA-2015: e.g. vertical sections, lignes brisées.
- Dynamic zoom, Better overlays,
- Local (automatic) station integration in PUMA-2025 display (available on PUMA-2015)
- Integration of administrative boundaries and cities (e.g. GIS)

Summary of discussion (2)

- **Country Highlights**

- **Burkina Faso & Cameroon:** operational but usability issues remain.
- **Benin, Niger, Mali:** transition still difficult; PUMA-2015 preferred.
- **Madagascar:** hardware and image positioning issues (MTG and MSG IODC parallax).
- **DR Congo:** improvements made; some network issues remain.
- **Chad:** installation pending.

- **Main Requests**

- Replicate key PUMA-2015 functionalities.
- Improve display quality and overlays.
- Integrate local observation data.
- Reduce MTG/NWP latency.
- Continue training and technical support.

- **Next Steps**

- Tecnavia implementing corrective actions on country-by-country basis
- Ongoing support from EUMETSAT and Tecnavia.
- NWC-SAF integration planned via EUMETCast-Africa (waiting for AMSAF-Nowcasting)

Questions

- NWC-SAF sur PUMA? Yes. It is planned once it will be available through EUMETCast-Africa.
- Can PUMA station also display the country automatic station (Cameroun)?
 - Data are available on WIS-2. They are displayed on WMO website. But not on PUMA stations. (e.g. airport station are visible, but not those from the NMHS)

Transition PUMA-2015 a 2025

ACMAD:

- PUMA-2025 is a back-up of 2015 ...
- As long as PUMA-2015 works, PUMA-2025 is a back-up
- LI, cloud-type then PUMA-2025 is used (as complement to 2015)
- Main reason – familiarity with the station
- And access to RAW data in GRIB format is not available in 2025

Burkina:

- PUMA-2015 is not operational anymore. PUMA-2025 is main station
- Difficult to find 2015 functionalities in the 2025
- PUMA-2025 some frequent mistake (e.g. onduteur or downloading of some data)
- It seems that the station is internet dependent
- quelques points Zoom non dynamique , absence de coupe vertical, Donner la possibilité de seuiller les paramètres

Transition PUMA-2015 a 2025

- Tchad: PUMA-2025 not yet installed. Station has arrived,
- Benin:
 - PUMA-2025 installed
 - Difficult to exploit it on a day-to-day basis
 - Until now it is not an effective solution. It is under-exploited.
 - Even if it works, data are old.. (e.g model on J-Day, but data are old)
 - TECNAVIA answer:
 - last week issue of reception is solved. On the file.
 - Some corrective measure will be solved in the coming days
 - Functionalities:
 - Courbe brisée (horizontale), coupe vertical (situation atmosphere)

Transition PUMA-2015 a 2025

- Congo RDC
 - PUMA-2015 was easy (lot of training)
 - But PUMA-2025, several channel were not
 - PUMA-2025 are now working fine with various channel.
 - The local station and province or geographic information (province) are not mentioned.
 - A small issue: the PUMA-2025 has stopped.
 - PUMA-2025 is on the internal network, but some user terminal are not working. (internal network) local technicians are working on it.
 - Tecnavia:
 - We will contact you.

Transition PUMA-2015 a 2025

- Niger:
 - Transition is not yet done
 - Still working on the PUMA-2015.
 - PUMA-2025 is still complicated.
 - MTG image are late (1-Jan-1966), no image.
 - Display is not as convivial as PUMA-2015
 - Lack of local display data (SYNOP are available on PUMA-2015 but not 2025).
 - Overlay of fields is not nice to see when zoom on a point (e.g. icon are becoming bigger).
 - PUMA-2025 is used as back up.
 - EUMETView also as back

Transition PUMA-2015 a 2025

- Madagascar:
 - PUMA-2015 was out-of-service even before
 - PUMA-2025, Some issue on the hardware (some spare equipment needed). Support on-going
 - Installation was at end of 2025, but it was used for a very short term (but not all data were available) but many products were missing.
 - Discussion on-going with Tecnavia on integration of the local station on the PUMA-2025
 - Added-value of PUMA-2025: it is web-based, and we can access to it remotely...
 - There is “decalage” of the image of about 4 to 6 degrees (50-70 km). This is critical on the cyclone, as MSG and MTG position the cyclone in a different position. (decalage géographique, not temporal).

Transition PUMA-2015 a 2025

- Cameroun
 - PUMA-2015 was out-of-service.
 - PUMA-2025 was a good opportunity as there was a gap
 - Some overlay (e.g. front inter-tropical) or some MTG display are still missing. Maybe updates will solve it.

Transition PUMA-2015 a 2025

- Mali
 - More familiarities with PUMA-2015
 - PUMA-2025 is more difficult. So some 2015 functionalities should be replicated on 2025 to ease transition.
 - MTG: good image every 10 minutes, but there is a latency of 20 minutes (e.g 11h10 image arrive only at 11h30 or even 11h35)
 - NWP model (e.g. MF), it will be good to know whcih MeteoFrance model are actually used (e.g. which resolution), the PUMA-2025 is not providing the information on which model. Regarding GFS model: the link is going to web-page.. It would be better to have the model output data directly, and not a link to an external page.
 - Wind: e.g 10meter or 0 meter. Also for the sea: HectoPascal level. How to better interpret this information. It woud be good to have the same functonnalities than PUMA-2015