

INSTITUTE FOR METEOROLOGICAL TRAINING AND RESEARCH (IMTR/WMO-RTC, Kenya)

Sarah Kimani



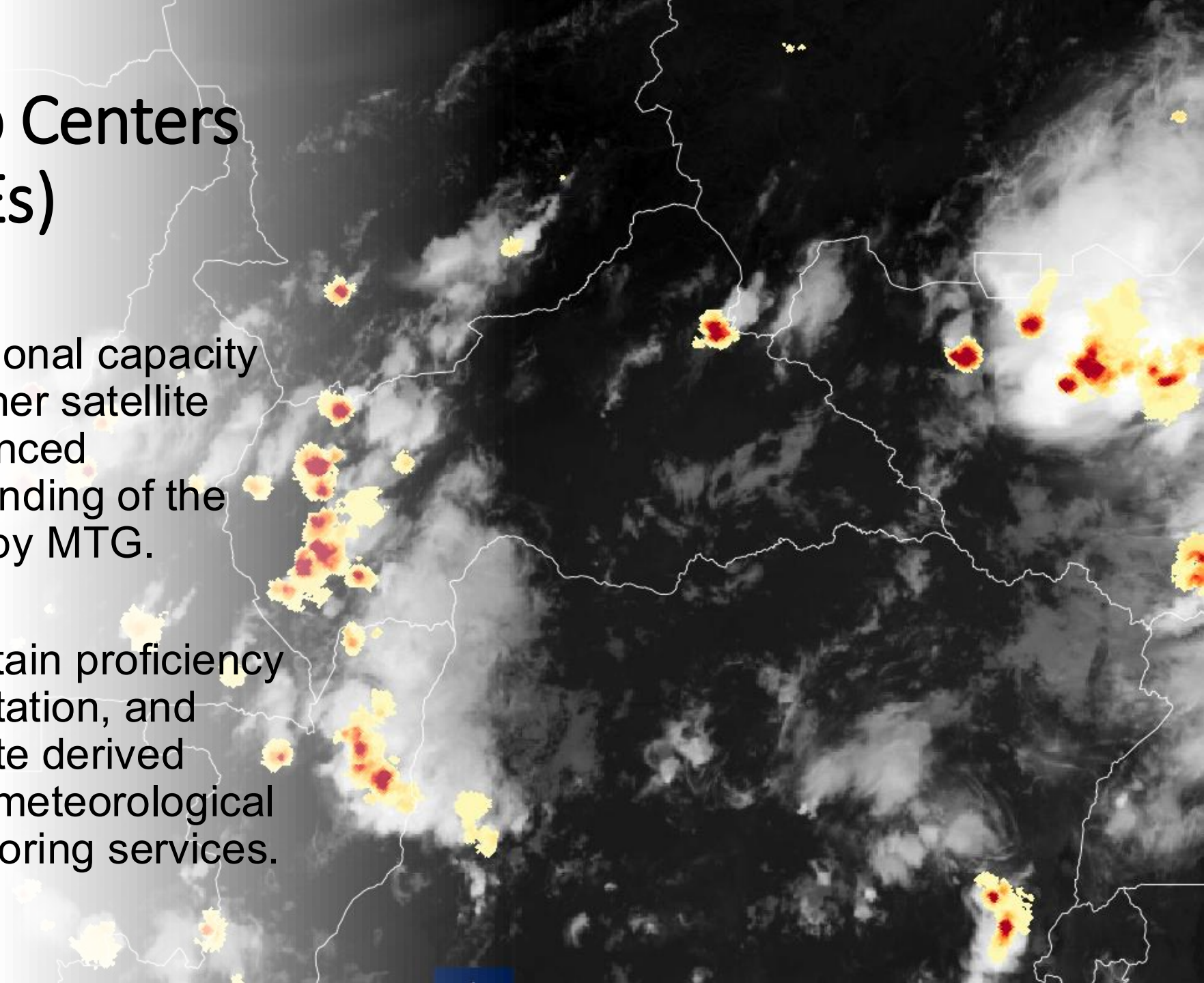
WMO CGMS VLab Centers of Excellence (CoEs)

- The MTG trainings take place at the 4 WMO CGMS VLab CoEs in Africa.
- Designated WMO VLab “Centers of Excellence” for training Satellite Meteorology and are implementers of African Satellite Meteorology Education and Training (ASMET).
 - South Africa (SAWS) & Kenya (IMTR) – English
 - Niger (EAMAC) and Morocco (DGM) – French
 - Oman – [English / Arabic]
- Supported by EUMETSAT, WMO and other collaborations



WMO CGMS VLab Centers of Excellence (CoEs)

- To strengthen the operational capacity of meteorologists and other satellite data users through enhanced awareness and understanding of the new capabilities offered by MTG.
- Ensure users in Africa attain proficiency in the utilization, interpretation, and application of new satellite derived products for operational meteorological and environmental monitoring services.



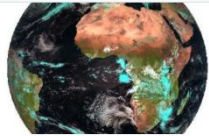


MTG Training ToT & Forecasters

- WMO Satellite Training Course on MTG (Nov 2023) – IMTR, Nairobi
- The course was attended by 25 participants from 19 African countries, supported by WMO.



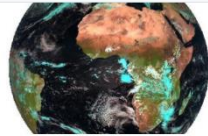
Satellite Application courses (Africa)



RA-I MTG Satellite Imagery Interpretation Online Course 2026

This course will introduce us with the new operational MTG satellite, its ...

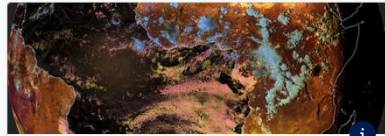
View



RA-I Cours Intérpretation de base de l'imagerie satellitaire 2026

Ce cours sur les applications satellitaires **en langue française** est ...

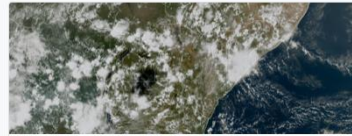
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Applications satellitaires en météorologie 2026

En association avec l'École africaine de la météorologie et de l'aviation ...

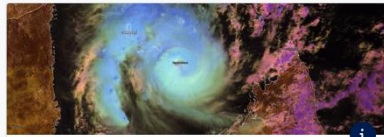
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Using MTG data for Improved Weather forecasts in Africa

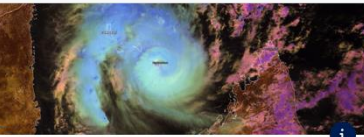
EUMETSAT in collaboration with the Kenya Meteorological Department Institute ...

View



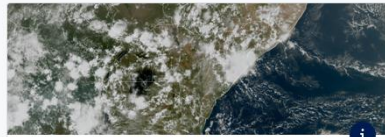
Satellite Applications Course Pretoria 2026

This English-language training course is designed to



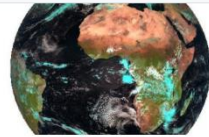
Atelier de prévision maritime 2025

Cet atelier vise à renforcer les capacités en télédétection spatiale et son ...



Mastering MTG Satellite imagery for Forecasting

EUMETSAT in collaboration with the Kenya



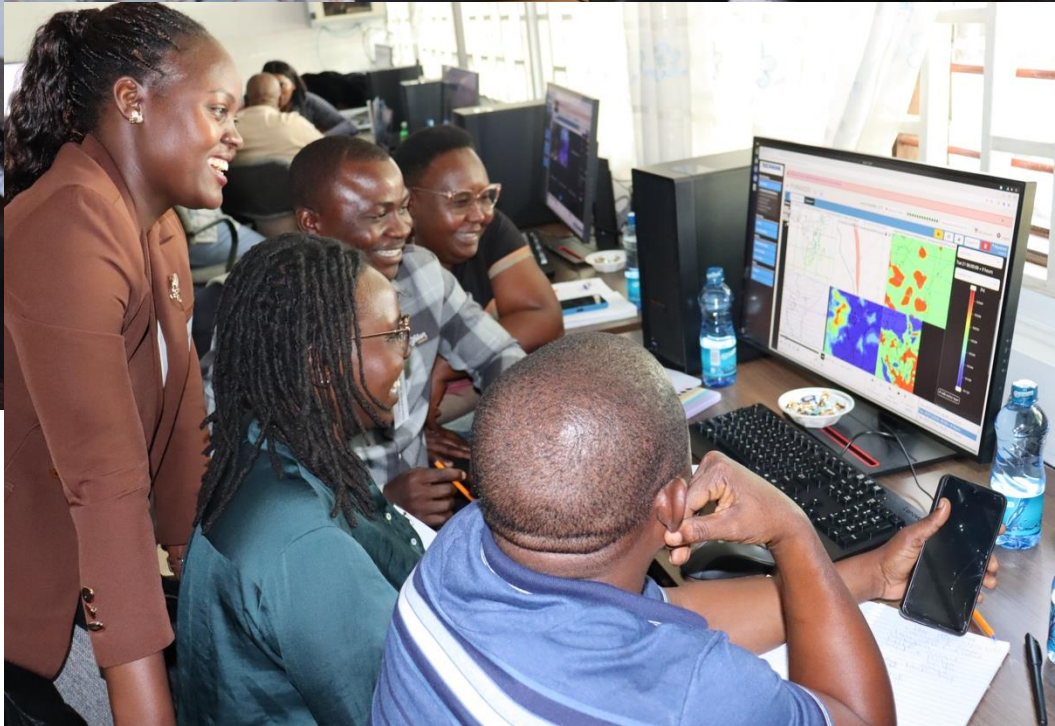
RA-I Cours Intérpretation de base de l'imagerie satellitaire 2025

Training at WMO CGMS VLab Centers of Excellence (CoEs)

Trainings are delivered through a combination of virtual sessions, in-person workshops, regional forecasting exercises, and periodic weather briefings to promote continuous professional development.

<https://asmet.africa>

Subscribe for news/training events across Africa



SAC, IMTR-Nairobi, April 2026



Climate Change PS Dr. Eng. Festus Ng'eno launches a ToT Course on PUMA and ClimSA weather systems at IMTR in Nairobi

KBC NEWS

PUMA Application Training of Trainers, November 2024)

Use of PUMA 2025 in Forecasting – IMTR, Nairobi

- Distinguish between PUMA-2015 and PUMA-2025 systems, including their operational improvements and enhanced capabilities.
- Strengthen participants' skills in interpreting MTG products for diverse forecasting applications, with emphasis on newly introduced MTG products.
- Equip participants with practical skills to use the PUMA-2025 system for integrating, manipulating, and analysing datasets and satellite products in operational forecasting.



Transition MSG to MTG - TRAINING

PUMA Application Training of Trainers (4th – 8th November 2024)

- **19 participants;** Botswana, Cameroon, Democratic Republic of Congo, Kenyan, Mauritius, Morocco, Niger, Senegal, South Africa
- **Goal:** equip participants with the technical knowledge and instructional skills necessary to train others effectively in the PUMA 2025 applications and interpret MTG data.
- The course also provided the skills and knowledge that support the trainers' competencies in understanding and identifying needs related to the use of MTG data in relation to the region in which they will be training users.

Transition MSG to MTG - TRAINING

PUMA Maintenance - Training of Trainers (11th – 15th November 2024)

- The training provided the skills and knowledge in understanding and identifying needs related to **Administration and Maintenance** of the PUMA 2025 and ClimSA station
- The training was attended by **20 participants** from **6 countries:** Botswana, Burkina Faso, Cameroon, Congo, DR Congo, Kenya, Niger, Senegal

Use of ClimSA stations for Climate Services

Training of Trainers (18th – 22nd November 2024)

16 participants from:

- African Centre of Meteorological Application for Development (ACMAD) Niamey, Niger – **2**
- AGRHYMET Regional Centre PB 11011 Niamey, Niger - **3**
- Ecole Africaine de la Meteorologie et de l'Aviation Civile (EAMAC) Niamey, Niger - **2**
- ECCAS - Climate Application and Prediction Centre for Central Africa CAPC - AC Duala, Cameroon – **1**
- IGAD Climate Prediction and Applications Centre (ICPAC) Nairobi, Kenya – **2**
- Institute for Meteorological Training and Research (IMTR) Nairobi, Kenya - **4**
- Ministry of Transport Department of National Meteorology Yaounde, Cameroon - **1**
- Lagence National de Meteorologie et de Teledetection per Satelite (METTELSAT) Kinshasa DRC - **1**

Transition MSG to MTG - TRAINING

IMTR Cohort 1:

- **25th – 29th August 2025** – Forecasters – Application of PUMA 2025 Stations.
- 17 participants from 9 African countries: Botswana, Kenya, Lesotho, Mozambique, Namibia, Nigeria, Somalia, South Africa and Tanzania.
- **1st – 5th September 2025** – IT/Technical experts - Maintenance of PUMA 2025/ClimSA Stations
- 22 participants from 11 African countries: Nigeria, Eswatini, Lesotho, Somalia, The Gambia, Kenya, South Africa, Tanzania, Botswana, Mozambique, Namibia

Transition MSG to MTG - TRAINING

IMTR Cohort 2:

- **6th – 10th October 2025** – Forecasters – Application of PUMA 2025 Stations at IMTR
- 21 participants (Forecasters) from 12 African countries: Angola, Gambia, Cabo Verde, Uganda, Malawi, Zambia, Seychelles, Ghana, South Sudan, Somalia, Eswatini, Sudan
- **10th - 14th November 2025** - IT/Technical experts - Maintenance of PUMA 2025/ClimSA Stations
- 19 participants from 11 African countries: Angola, Uganda, Malawi, Zambia, Ghana, Seychelles, South Sudan, Mauritius, Zimbabwe, Sudan and Kenya

Transition MSG to MTG - TRAINING

IMTR Cohort 3:

- **23 - 27 March 2026** – Forecasters – Application of PUMA 2025 Stations
- 21 participants (Forecasters) from 8 African countries: Angola, Ethiopia, Mauritius, Kenya, Namibia, Rwanda, Sierra Leone, Zimbabwe.

- **13th - 17th April 2026** - IT/Technical experts - Maintenance of PUMA 2025/ClimSA Stations
- 15 participants from 8 African countries; Ethiopia, Liberia, Malawi, Namibia, Rwanda, Seychelles, Sierra Leone, Eswatini.

Course page:

<https://classroom.eumetsat.int/course/view.php?id=536>

SUSTAINABILITY: CAPACITY DEVELOPMENT

PUMA 2025

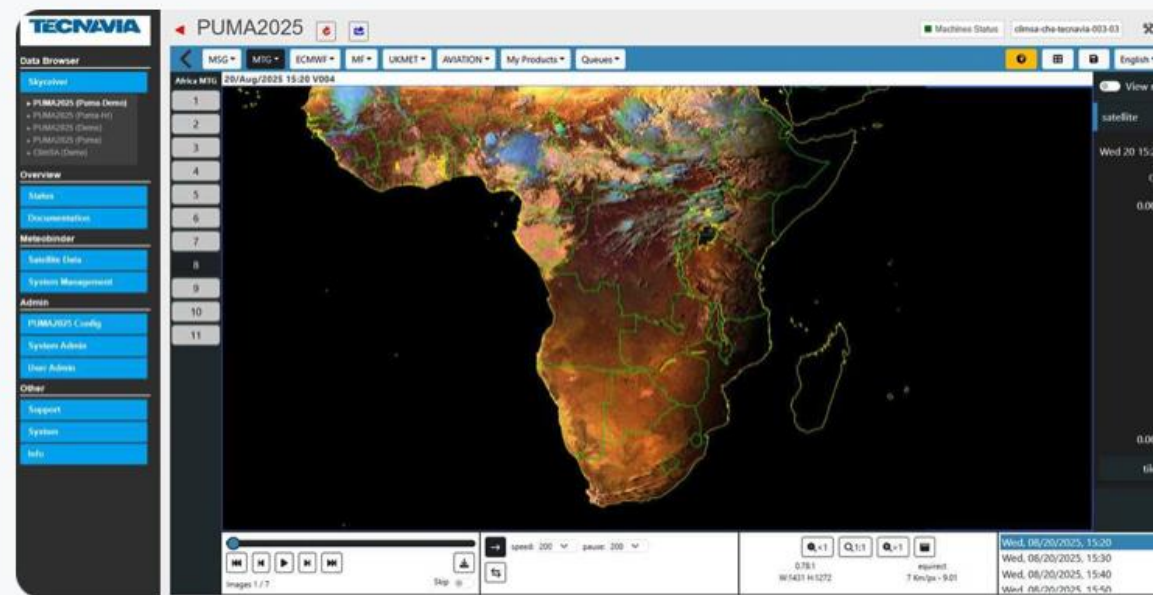
The screenshot shows a course page with a dark blue header containing navigation links: HOME, MY COURSES, COURSES & WORKSHOPS, OPEN LEARNING, and PARTNERS. Below the header is the course title: "ClimSA Training of Trainers: PUMA-2025 station application resources for meteorologists and trainers". Underneath the title are tabs for Course, Settings, Participants, Grades, Reports, and More. A large satellite image of Africa is displayed in the main content area.

Welcome to the PUMA resource page

> Quick Guides for Africa

> African Case Study Examples

∨ PUMA-2025 System Functionality



 An Introduction to PUMA-2025

 An Introduction to PUMA-2025: PDF version

 Displaying Datasets in PUMA-2025

 Displaying Datasets in PUMA-2025: PDF version

Use of ClimSA stations for Climate Services

Training of Trainers (18th – 22nd November 2024)





NEXT... Use of ClimSA
stations for Climate Services
Training

- 20 – 24 July 2026 - ToT
- 27 – 31 July 2026 ClimSA training Resources
- 10 - 14 August 2026 – Users Training
- 24 – 28 August 2026 - Users Training
- 7 – 11 September 2026 - Users Training

Advance Africa's Weather Forecasting

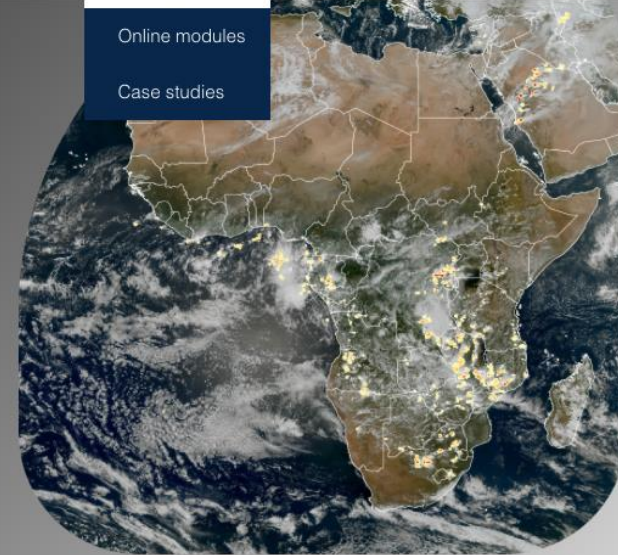
asmet.africa equips meteorologists with the knowledge and skills needed to effectively use modern meteorological satellites for improved weather analysis and forecasting.

Find out more ↓

Training events

Online modules

Case studies



African Regional Focus Group (ARFG)

Group info

Africa Regional Focus Group (ARFG)
Group · 609 members

Voice Chat Add Search

A community of Forecasters and Meteorological Personnel in Africa with an objective of exploring the use of... [See more](#)

Media, links and docs 416 >

Manage storage 420.7 MB >

Starred None >

Notifications Muted >

Chat theme >

Save to Photos Default >

Disappearing messages Off >

Africa Regional Focus Group...
Abdoulaye, Abebe Niger, Abubakr...

~Sammy +211 924 351 145

~Gabriel Elim +254 700 436810
Hrilo. Anyone can share his /her perspective

The system seen over the central part of South Sudan is likely to affect much of the western part this evening/night as it progresses westward. 17:33

Sat, 25 Apr

Ibrahim Al Abdulsalam Oman CoE
Forwarded

High
28,000 ft
6,000 m

Mid
6,000 ft
1,800 m

LOW
0:34 TOP 11:55

Africa Regional Focus Group...
Abdoulaye, Abebe Niger, Abubakr...

7 pages · 784 KB · pdf 16:44

Thursday

Webinar on MTG weather from space: a game changer for Africa
Webinar demonstrating how MTG's potential is being unlocked in Africa.
eumetsat.int
<http://www.eumetsat.int/webinar-mtg-weather-space-game-changer-africa>

Registration link; https://eumetsat.zoom.us/webinar/register/WN_VJhZrdeJS1eTsK4i1Hth0Q 12:28 ✓

Afternoon Colleagues, hope you are well. See the Webinar above and register via the link. 12:29 ✓

QR Code

Africa Regional Focus Group (ARFG)
WhatsApp group

This group QR code is private. If it is shared with someone, they can scan it with their WhatsApp camera to join this group. Learn more about [sharing WhatsApp QR code](#)

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17  **EUMETSAT**
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ÈME FORUM DES USAGERS EN AFRIQUE



THANK YOU

