



MTG Training Aspects

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The goal of MTG related training is ...

- to help the operational meteorologists and other users be fully aware of MTG new capabilities and...
- to ensure users become proficient in applying these new capabilities in operational meteorology and nowcasting.





WMO – CGMS Centres of Excellence

The MTG training interventions take place in **partnership** with the WMO VLab CoEs in Africa and Middle East:

- South Africa (SAWS) & Kenya (IMTR) – English
- Niger (EAMAC) and Morocco (DGM) – French
- Oman – [English / Arabic]

Supported by EUMETSAT



Training planning, design and delivery

- Courses design are discussed in online meetings between WMO VLab CoEs and EUMETSAT
- The training programme follows an annual cycle, allowing all partners to plan and allocate the appropriate training resources
- The promotion of the courses takes place through the standard channels (African Permanent Representatives, training calendars, websites, regional outreach activities)
- Training impact is evaluated through participant feedback collected after each course
- The training teams meet annually to identify and discuss opportunities for improvement

Online training

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

Cours Paramètres Participants Notes Rapports Plus ▾

Bienvenue !



Ce cours présente le nouveau satellite opérationnel MTG, ses instruments et ses capacités pour diverses applications météorologiques en Afrique. Les nouvelles capacités de MTG seront explorées à travers des exercices, des discussions et des briefings météorologiques.

13 avril - 1er mai 2026

Les contenus des semaines 2 et 3 seront accessibles à partir du vendredi précédent le début de la semaine.

Bienvenue →

- Guide du cours
Pour commencer, ne vous privez pas de lire le guide du cours.
- Présentez vous !
Ouvrez [Padlet](#) pour vous présenter. Nous avons hâte de vous connaître tous.

Instructions:

Semaine 1 - Capacité...



Semaine 2 - Applicati...



Semaine 3 - Applicati...





MTG
METEOSAT Troisième Génération
 RA-I Cours Interprétation de base de l'imagerie satellitaire 2026
BELGANI YASSINE
 Senior Specialist IT & Meteorological Remote Sensing (SMR)
 ASMET Training Team



Agence pour la Sécurité de la Navigation Aérienne en Afrique et à Madagascar (ASECNA)
 Ecole Africaine de la Météorologie et l'Aviation Civile (EAMAC)

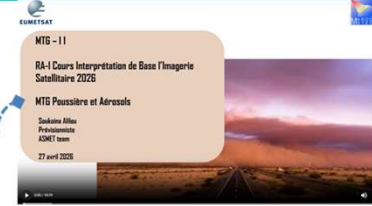
Cours sur les Applications Satellitaires
 Surveillance et Prévision Immédiate des Orages

YASSINE NGASSAY
 EAMAC, Niamey - Niger
 Email: yassine.ngassay@afcc.com

Live sessions



EUMETSAT Weather Briefing
 Situation du vendredi 10 avril 2024
 Cours Interprétation de base de l'imagerie satellitaire 2026
 Soukaina Allou
 Prévisionniste
 ASMET Team
 10 avril 2024



MTG - I1
RA-I Cours Interprétation de Base de l'imagerie Satellitaire 2026
 MTG Poussière et Aérosols
 Soukaina Allou
 Prévisionniste
 ASMET Team
 27 avril 2026



ASMET
 Détection du Brouillard et des nuages bas
 Karima moutouchouaq
 Direction Générale de la Météorologie - Maroc
 27 avril 2026

Assignments

H-P Exercice 2 - Feedback sur la session en direct ✓ Terminé ▾

Cet exercice obligatoire vous demande de réfléchir à la session en direct. Veuillez noter qu'il est requis pour compléter le cours avec succès.

Une fois que vous aurez soumis vos réponses, vous obtiendrez les réponses correctes aux questions.

À faire Devoir 1 - Trouver un cas météorologique dans votre région À faire ▾

Ouvert le : lundi 13 avril 2026, 15:00

Utilisez EUMETView pour comparer les observations de MTG et MSG.

En quoi MTG améliore-t-il les observations ? Mettez en avant les atouts de ce nouvel instrument

Veuillez noter qu'il s'agit d'une condition indispensable à la réussite de la formation.




les différentes étapes du développement d'un orage.
 Situation du 21 avril 2026 de 10h35 à 16h40
 Département des Plateaux au CONGO Brazzaville

Présenté par : ITEM NGASSAY Destin Ulrich
 Aide Prévisionniste

Classroom courses



KENYA
METEOROLOGICAL
DEPARTMENT



ASMET
African Satellite Meteorology
Education and Training



EUMETSAT-IMTR Satellite Application Course Programme 20 - 24 April, 2026

Monday

- 09:00-10:00: Registration and Introduction, Workshop Opening (IMTR)
- 10:00-10:30: Tea Break & Group photo
- 10:30-12:30: MSG vs MTG Introduction & Hands-on (Natasa, Vesa)
- 12:30-13:30: Lunch
- 13:30-15:00: Weather Systems Around Africa & posters (Vesa)
- 15:00-15:30: Tea Break
- 15:30-17:00: Visit to Forecast Office (Mirriam, Scholastic, Sarah)

Tuesday

- 08:30-10:30: PUMA & Skyceiver Introduction & Practical Session (Mirriam, Scholastic, Sarah)
- 10:30-11:00: Tea Break
- 11:00-13:00: PUMA Practical Session continues (Mirriam, Scholastic, Sarah)
- 13:00-14:00: Lunch
- 14:00-15:30: Convection Monitoring using MTG & posters (Vesa, Natasa)
- 15:30-16:00: Tea Break
- 16:00-17:00: Forecast Development Practical (Mirriam, Scholastic, Sarah)

Wednesday

- 08:30-09:00: Forecast Verification (Mirriam, Scholastic, Sarah)
- 09:00-10:30: Nowcasting SAF & H-SAF products (Vesa, Natasa)
- 10:30-11:00: Tea Break
- 11:00-12:30: Practice session on Nowcasting and H-SAF products (Vesa, Natasa)
- 12:30-13:30: Lunch
- 13:30-15:30: Evening Forecast; *Regional Forecasting* (Mirriam, Scholastic, Sarah)
- 15:30-16:00: Tea Break
- 16:00-17:00: Depart for the Social Event Social Event

Thursday

- 08:30-09:00: Forecast Verification (Scholastic)
- 09:00-10:30: Introduction to Fire products; Introduction to Fog & Low Clouds (Practical) & posters (Kanyisa)
- 10:30-11:00: Tea Break
- 11:00-13:00: SIM Exercise (Natasa, Vesa)
- 13:00-14:00: Lunch
- 14:00-15:30: Presentation Preparation & Presentation Guidance (Mirriam, Scholastic, Sarah)
- 15:30-16:00: Tea Break
- 16:00-17:00: Presentation Preparation (Mirriam, Scholastic, Sarah)

Friday

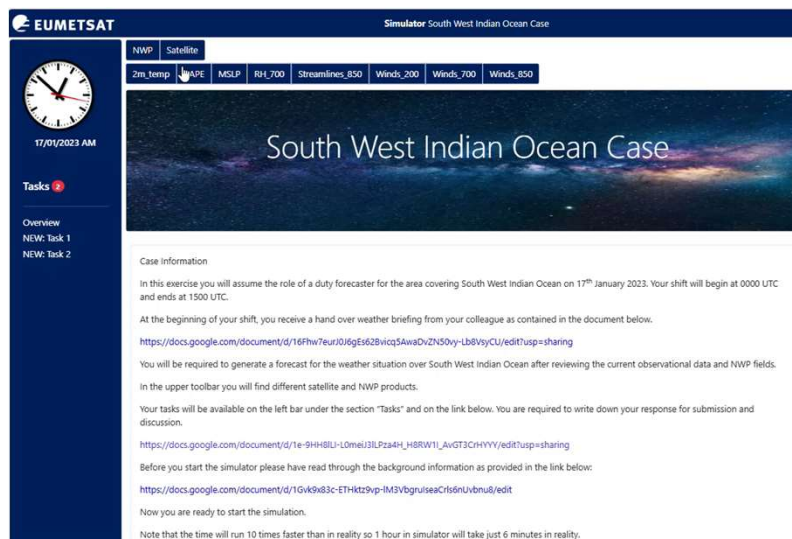
- 08:30-10:30: Final Preparation and Presentations (Vesa, Natasa, All)
- 10:30-11:00: Tea Break
- 11:00-13:00: Presentations Continue (Vesa, Natasa, All)
- 13:00-14:00: Lunch
- 14:00-15:30: Presentations Continue (Vesa, Natasa, All)
- 15:30-16:00: Tea Break
- 16:00-17:00: Plenary, Evaluation & Closure (IMTR)



Satellite Applications Course, SAWS, Pretoria, 2026



Satellite Applications Course, IMTR, Nairobi, 2026



EUMETSAT Simulator South West Indian Ocean Case

WPP Satellite

2m_temp APE MSLP RH_700 Streamlines_850 Winds_200 Winds_700 Winds_850

South West Indian Ocean Case

Case information

In this exercise you will assume the role of a duty forecaster for the area covering South West Indian Ocean on 17th January 2023. Your shift will begin at 0000 UTC and ends at 1500 UTC.

At the beginning of your shift, you receive a hand over weather briefing from your colleague as contained in the document below.

<https://docs.google.com/document/d/16Fhw7euiJ0i6gE82Bwiq5AWaDvZNS0y-LB8v9yCU/edit?usp=sharing>

You will be required to generate a forecast for the weather situation over South West Indian Ocean after reviewing the current observational data and NWP fields.

In the upper toolbar you will find different satellite and NWP products.

Your tasks will be available on the left bar under the section "Tasks" and on the link below. You are required to write down your response for submission and discussion.

https://docs.google.com/document/d/1e-9H8BU-L0meiJ3LPza4H_HBRW1L_AvGT3CrHYVY/edit?usp=sharing

Before you start the simulator please have read through the background information as provided in the link below:

<https://docs.google.com/document/d/1Gvk9k83c-ETHktz9p-IM3VbgruiseaCris6Nvbnub/edit>

Now you are ready to start the simulation.

Note that the time will run 10 times faster than in reality so 1 hour in simulator will take just 6 minutes in reality.



Satellite Applications Course, EAMAC/ASECNA, Dakar 2026

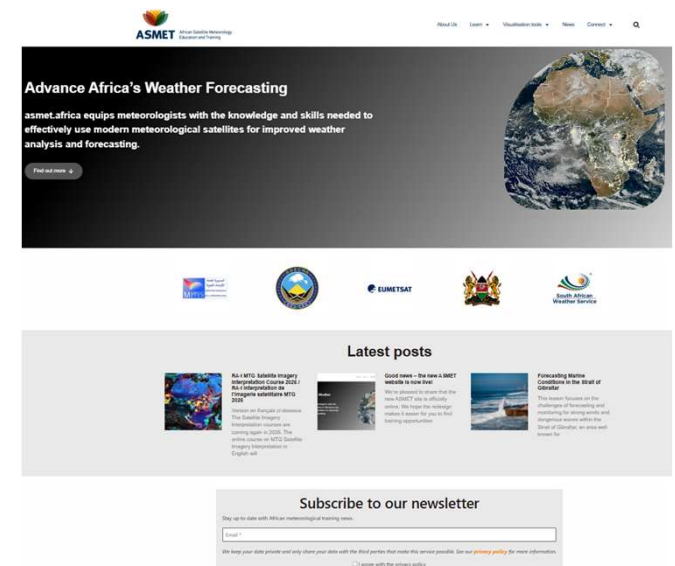


ASMET African Satellite Meteorology Education and Training



- Expert group of trainers from Vlab training centres
- Supports training events
- Looks into the training needs, including MTG
- Develops training resources
- Vlab contact point for MTG and other training topics

- Resources and upcoming training events published at asmet.africa



Train the Trainer programme



✓ Data access course, DGM, Casablanca, July 2025 (CoEs)

✓ SAF training for ASMET group
 EUMETSAT SAF Products for Operational
 Meteorological Applications, 18 February 2026,
 Online

LSA SAF products for monitoring wildfires

Božijan Muri, Matoja Inšić Žibert, Anaac Pažlar, Tjaša Kovačević and the LSA SAF team

EUMETSAT SAF Products for Operational Meteorological Applications

EUMETSAT H SAF

Precipitation products - H SAF

NICOLETTA ROBERTO and H SAF Team
 products training session - ASMET team
 18 February 2026

SATELLITE DERIVED PRECIPITATION PRODUCTS : CRRPh,CRR

SAF products training session - ASMET team
 18 February 2026

Jose Alberto Labarta Garcia



✓ Visiting Trainer programme: CoE trainer group short term visits at EUMETSAT for exchanging practices, enhancing the skills in training methods and remote sensing

- Altogether more than **350 professionals** have engaged with MTG training through the **online courses**.
- Altogether over **100 professionals** have participated in the MTG classroom trainings at African CoEs.

Course	Format	No. of participants
RA-I MTG Satellite Imagery Interpretation Online Course 2025	Online	123
RA-I Cours Intérpretation de base de l'imagerie satellitaire 2025	Online	75
Mastering MTG Satellite imagery for Forecasting 2025	Classroom Nairobi	20
Atelier de prévision maritime 2025	Classroom Casablanca	24
RA-I MTG Satellite Imagery Interpretation Online Course 2026	Online	139
RA-I Cours Intérpretation de base de l'imagerie satellitaire 2026	Online	79
Satellite Applications Course 2026	Classroom Pretoria	20
Applications satellitaires en météorologie 2026	Classroom Dakar	20
Using MTG data for Improved Weather forecasts in Africa 2026	Classroom Nairobi	20

Training feedback highlights

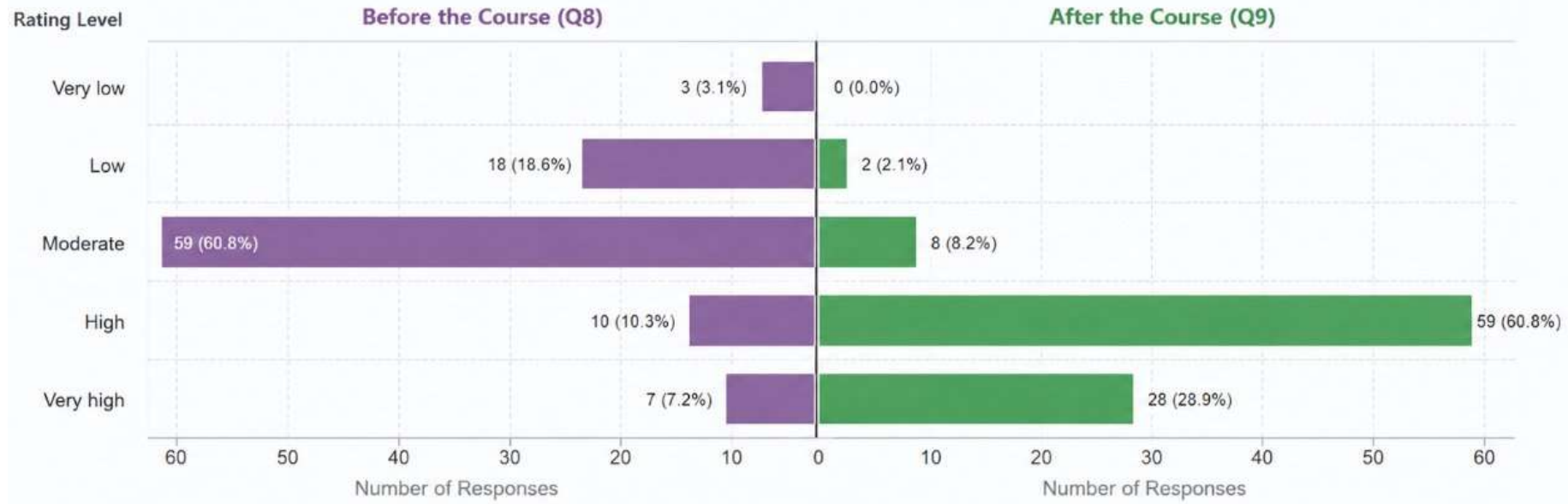
- **Case studies** and **imagery-based exercises** are consistently identified as the most valuable learning activities
- The **expertise** and **clarity** of the ASMET instructors are highly appreciated
- Participants value the **relevance** of the course content to African operational forecasting environments
- **Lightning Imager applications** and **RGB product interpretation** are consistently highlighted as some of the most valuable technical aspects of the training

Training impacts

Change in Knowledge/Skills in the Course Topic

Comparison of Ratings Before and After the Course

Before the Course (Q8) After the Course (Q9)



↓ Decrease in Lower Ratings
 Very low + Low decreased from 21 (21.7%) to 2 (2.1%)

↑ Increase in Higher Ratings
 High + Very high increased from 17 (17.5%) to 87 (89.7%)

↑ Overall Improvement
 Participants reporting High or Very high skills increased by 72.2 percentage points

Total Responses: 97

- MTG fully embedded in the regular training programme (Satellite Applications Courses)
- ASMET Team is working on creating new training resources on MTG (Case studies, Guides)
- Emphasis on Nowcasting will increase; training events for MTG integration with other weather data (test-bed approach) (AMSAF)
- ASMET team and VLab Training Centres are the key channels for user engagement and capacity development in their regions.

17  **EUMETSAT**
TH USER FORUM IN AFRICA
ÈME FORUM DES USAGERS EN AFRIQUE



THANK YOU FOR YOUR ATTENTION!

 **EUMETSAT**

