
17TH USER FORUM IN AFRICA
ÈME FORUM DES USAGERS EN AFRIQUE
EUMETSAT
MTG Training Aspects
Carla Barroso and Vesa Nietosvaara, EUMETSAT
EUMETSAT
KINGDOM OF ESWATINI
MINISTRY OF TOURISM AND ENVIRONMENTAL AFFAIRS
Eswatini

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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.

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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

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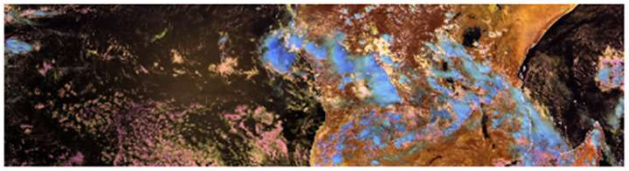
Online training

RA-I Cours Intérpretation 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.

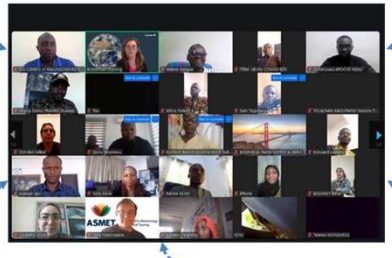
Instructions:

Semaine 1 - Capacité...

Semaine 2 - Applicati...

Semaine 3 - Applicati...

Live sessions



Assignments

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.

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

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Classroom courses

KENYA METEOROLOGICAL DEPARTMENT

ASMET African Satellite Meteorology Education and Training

EUMETSAT

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)

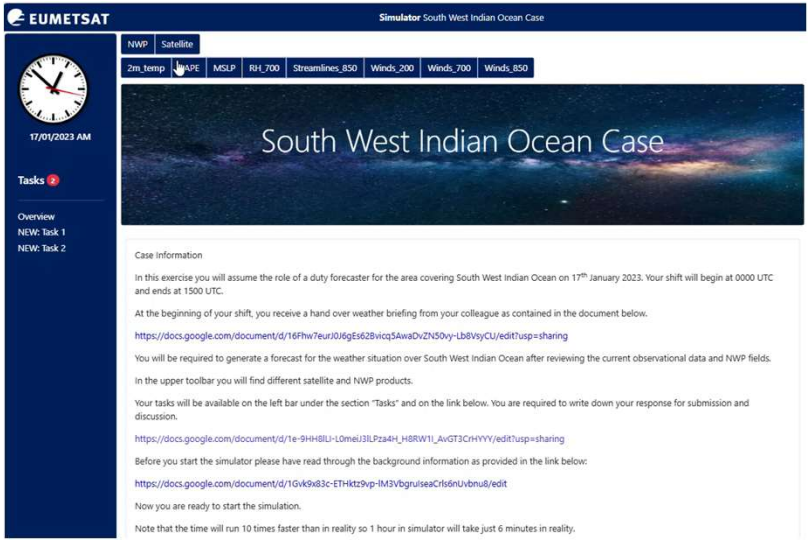
Wednesday
- 08:30–09:00: Forecast Verification (Mirriam, Scholastic, Sarah)
- 09:00–10:30: Nowcasting SAF & H-SAF products (Vesa, Natasa)
- 10:30–11:00: Tea Break
- 11:00–12:30: Practice session on Nowcasting and H-SAF products (Vesa, Natasa)
- 12:30–13:30: Lunch
- 13:30–15:30: Evening Forecast; *Regional 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



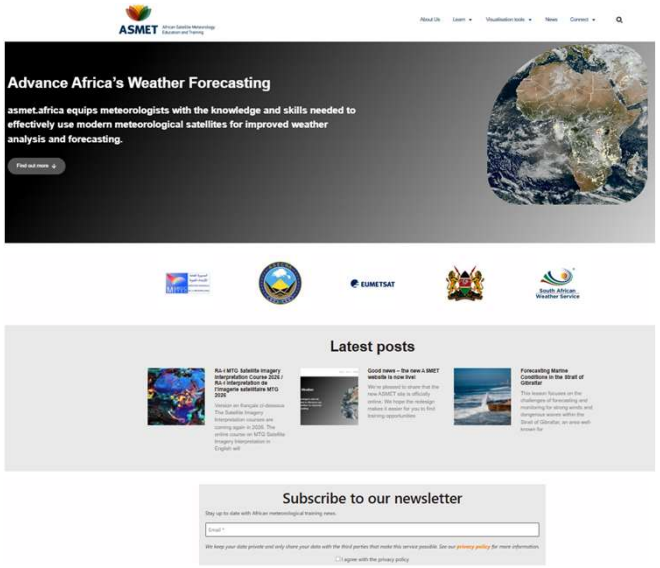
Satellite Applications Course, EAMAC/ASECNA, Dakar 2026

ASMET Group

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



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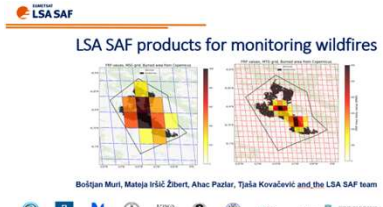
Train the Trainer programme

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

✓SAF training for ASMET group

EUMETSAT SAF Products for Operational Meteorological Applications,18 February 2026, Online



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

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Training in numbers 2025/2026

- 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

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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

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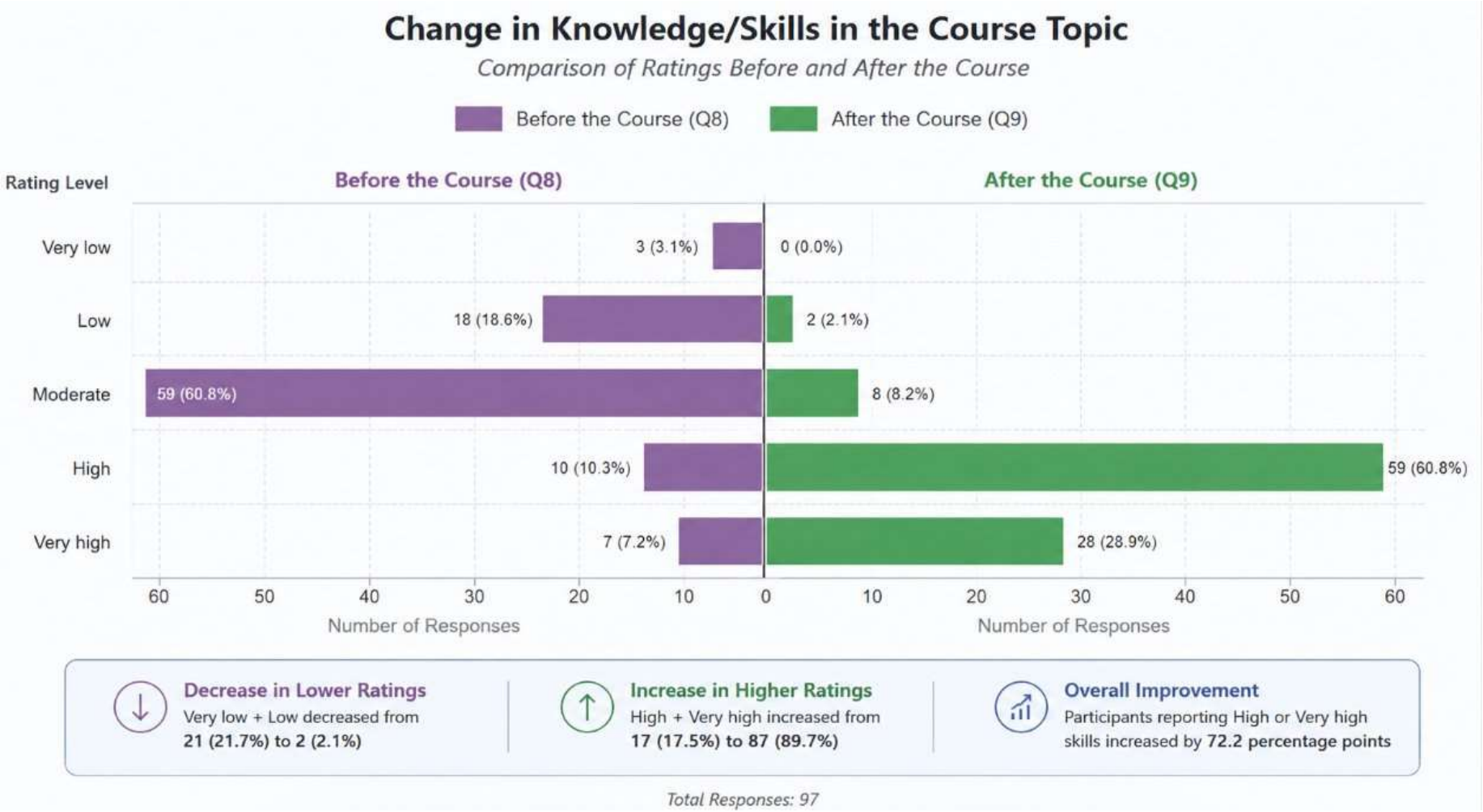
Training impacts



Future outlook

- 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.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THANK YOU FOR YOUR ATTENTION!
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