EUMETSAT's approach for continuation of IODC observations

Presented to CGMS-53 WGIII session, agenda item 7.1

Coordination Group for Meteorological Satellites

EUMETSAT CGMS

Executive summary of the WP

The 106th EUMETSAT Council authorised the preparation of operational plans to extend the IODC service with Meteosat-10, on the condition that Meteosat-10 would only be moved once MTG-I2 is operational and noting that final authorisation to relocate Meteosat-10 would be subject to a dedicated Council decision.

Meteosat-9 end of life is currently planned for mid-2027. EUMETSAT are assessing the possibility to extend the lifetime until mid-2028 to reduce the risk to service continuity.

This continues the best effort undertaking which reflects a decision of the EUMETSAT Council to use a residual Meteosat Second Generation capacity for this purpose, in the context of a temporary data gap over the Indian Ocean.

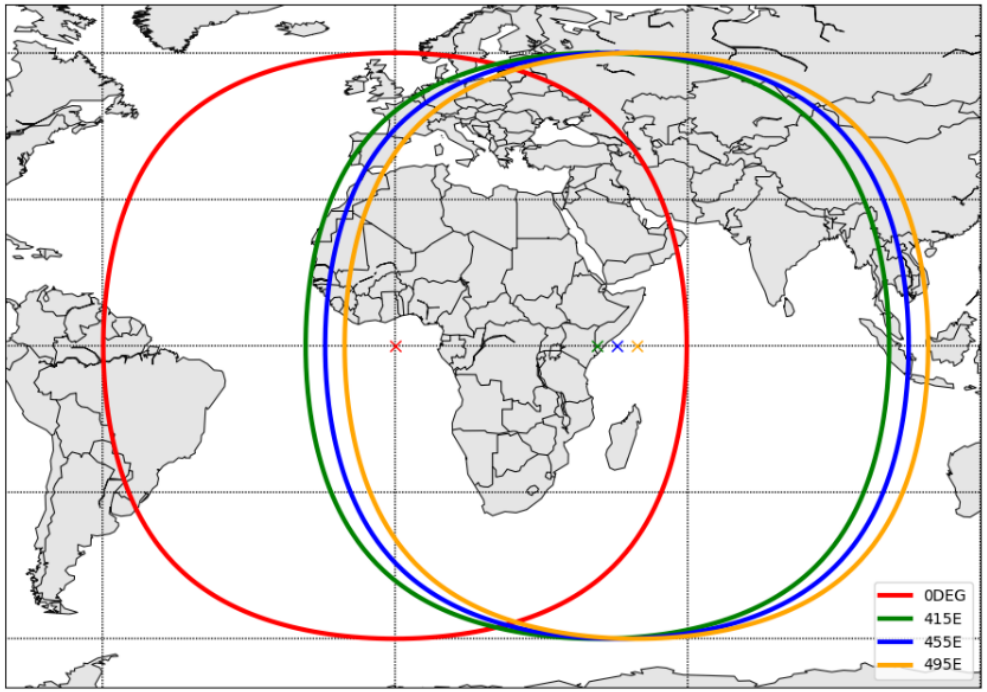
The decisions on the location and timing of any Meteosat-10 move are foreseen by the EUMETSAT Council at the end of 2025.

Spacecraft location

Several locations are being analysed for Meteosat-10:

- 41.5°E
- 45.5°E – current IODC location
- 49.5°E – this is the preferred location

The final location to be confirmed by EUMETSAT Member States in 2025



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Meteosat-10 Products and Services to be provided:
Imagery
SEVIRI HR
Products (EUMETCast)
Active Fire Monitoring (CAP/GRIB)
All Sky Radiances
Atmospheric Motion Vectors
Clear-Sky Reflectance Map
Cloud Mask
Cloud Top Height
Global Instability Index
Optimal Cloud Analysis
Volcanic Ash Detection (CAP/netCDF)
Data Collection Service
Search and Rescue

EUMETSAT USER PORTAL

https://user.eumetsat.int/dashboard

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Access to IODC data

Push services



EUMETCast Terrestrial
Near-real-time data delivery via terrestrial networks



EUMETCast Satellite
Europe and Africa

Pull services



EUMETView
Viewing your data



EUMETSAT Data Store
Improving data access



Data Tailor
Customising your data



Data Centre

Shared services



European Weather Cloud
Hosted data processing



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Key issues of relevance to CGMS:

- Meteosat-10 replacement of Meteosat-9 for the IODC service continuing the best effort undertaking which reflects a decision of the EUMETSAT Council to use a residual Meteosat Second Generation capacity for this purpose, in the context of a temporary data gap over the Indian Ocean.

- The decisions on the location and timing of any Meteosat-10 move are foreseen by the EUMETSAT Council at the end of 2025.

To be considered by CGMS:

- For consideration in WGIII risk analysis