



EUMETSAT

Monitoring weather and climate from space

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Lead project controller cost modelling

SCEC 2026/01-02OCT



Slide 1

NC1

OSN: 1

Nikos Chimonides, 2026-01-19T16:13:01.843

Happy birthday! 19 June 1986

www.eumetsat.int





An intergovernmental organisation with 30 member states

www.eumetsat.int



Slide 3

NC1

OSN: 2

Nikos Chimonides, 2026-01-19T16:13:46.598



Primary objective:

Establish, maintain and exploit European systems of meteorological satellites.

Further objective:

Contribute to the operational monitoring of the climate and the detection of global climatic changes.

Slide 4

NC1

OSN: 4

Nikos Chimonides, 2026-01-19T16:14:02.974



To be the leading, user-driven operational agency in Europe and a trusted global partner for weather and Earth system monitoring from space.

Slide 5

NC1

OSN: 5

Nikos Chimonides, 2026-01-19T16:14:36.286



Current EUMETSAT satellites

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Sentinel series

Low Earth orbit

Marine and atmospheric composition missions for Copernicus.

Sentinel-3A and -3B (98.7° incl.)
Sun-synchronous orbit.

Sentinel-6 Michael Freilich and its replacement, Sentinel-6B (66° incl.)
Non-synchronous orbit.

Jason-3 (66° incl.)

Low Earth, non-synchronous orbit
Global sea surface height observations.

Metop series

Low Earth, sun-synchronous orbit
Global observations for weather forecasting and climate monitoring.

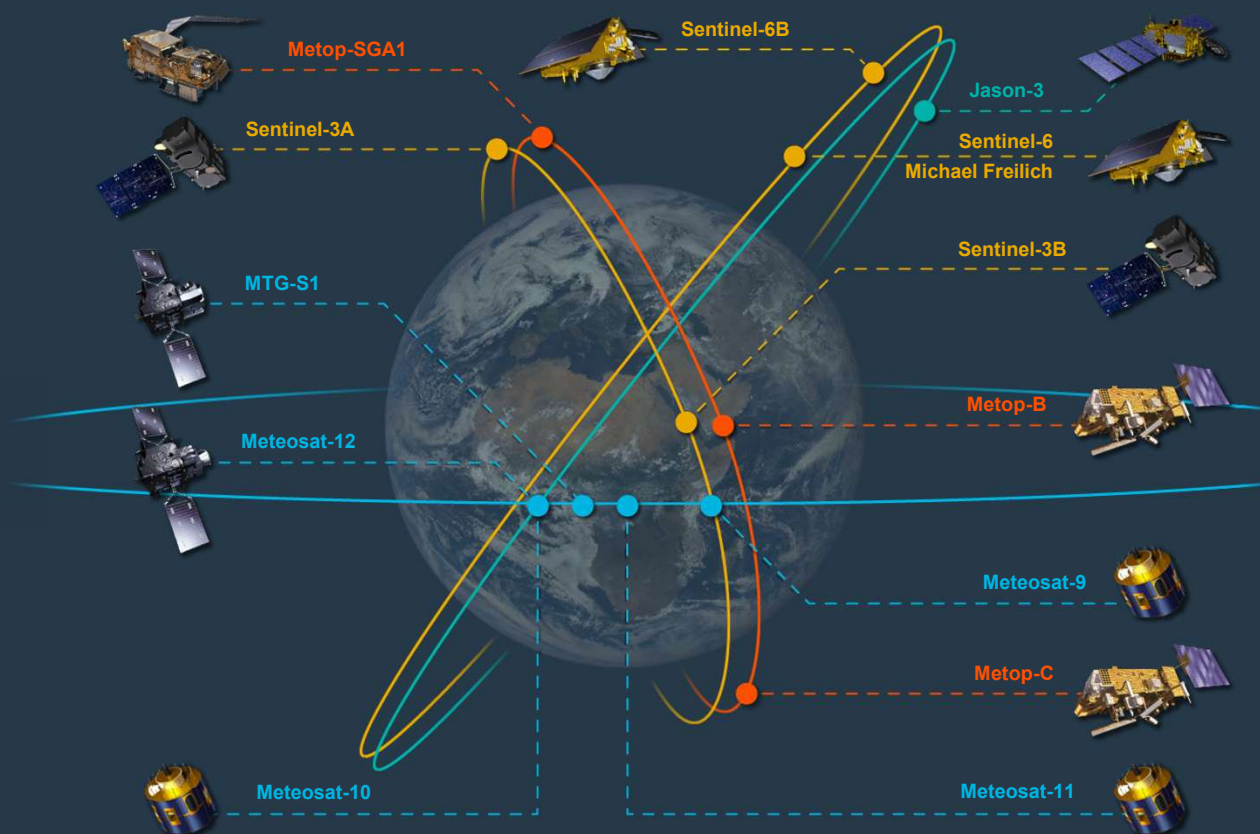
Metop First Generation

Metop-B and -C (98.7° incl.)

Metop Second Generation

Metop-SGA1 (98.7° incl.)

Carries six instruments, including Sentinel-5.



Meteosat series

Geostationary orbit

Imagery for weather forecasting and climate monitoring.

Meteosat Second Generation

Meteosat-9 (45.8° E)

Imagery over Indian Ocean (every 15 min).

Meteosat-10 (0°)

Imagery over Europe (every 5 min).

Meteosat-11 (9.5° E)

Imagery over Europe and North Africa (every 5 min).

Meteosat Third Generation

Meteosat-12 (0°)

Full-disc imagery (every 10 min).

MTG-S1 (3.4° W)

Air quality monitoring instruments, including Sentinel-4.

Slide 6

NC1

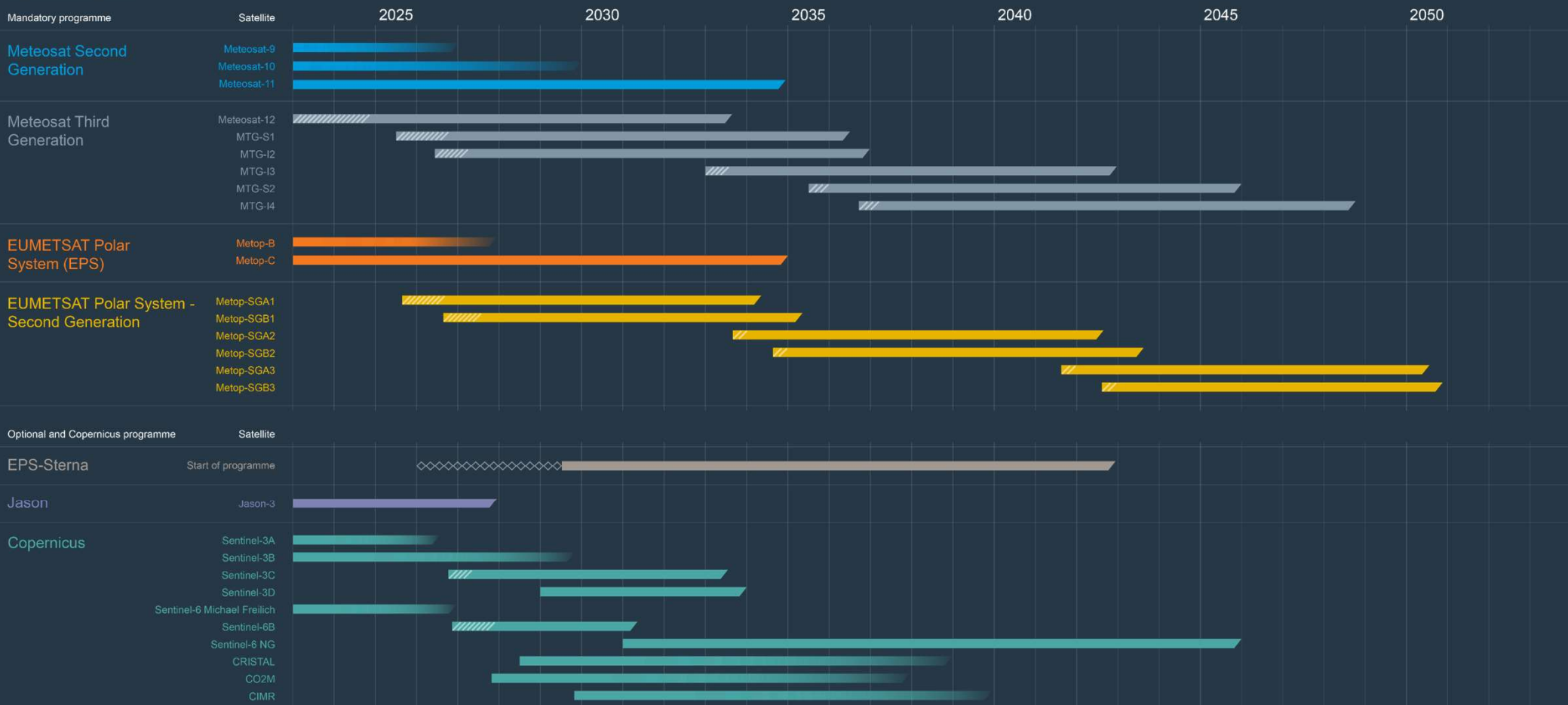
OSN: 14

Nikos Chimonides, 2026-01-19T16:17:17.716

EUMETSAT mission planning

www.eumetsat.int

31 December 2025



//// Planned launch and early orbit phase (LEOP) and commissioning

◇◇◇ Development phase

- Data acquisition network, Control centres and data processing facilities across the Globe



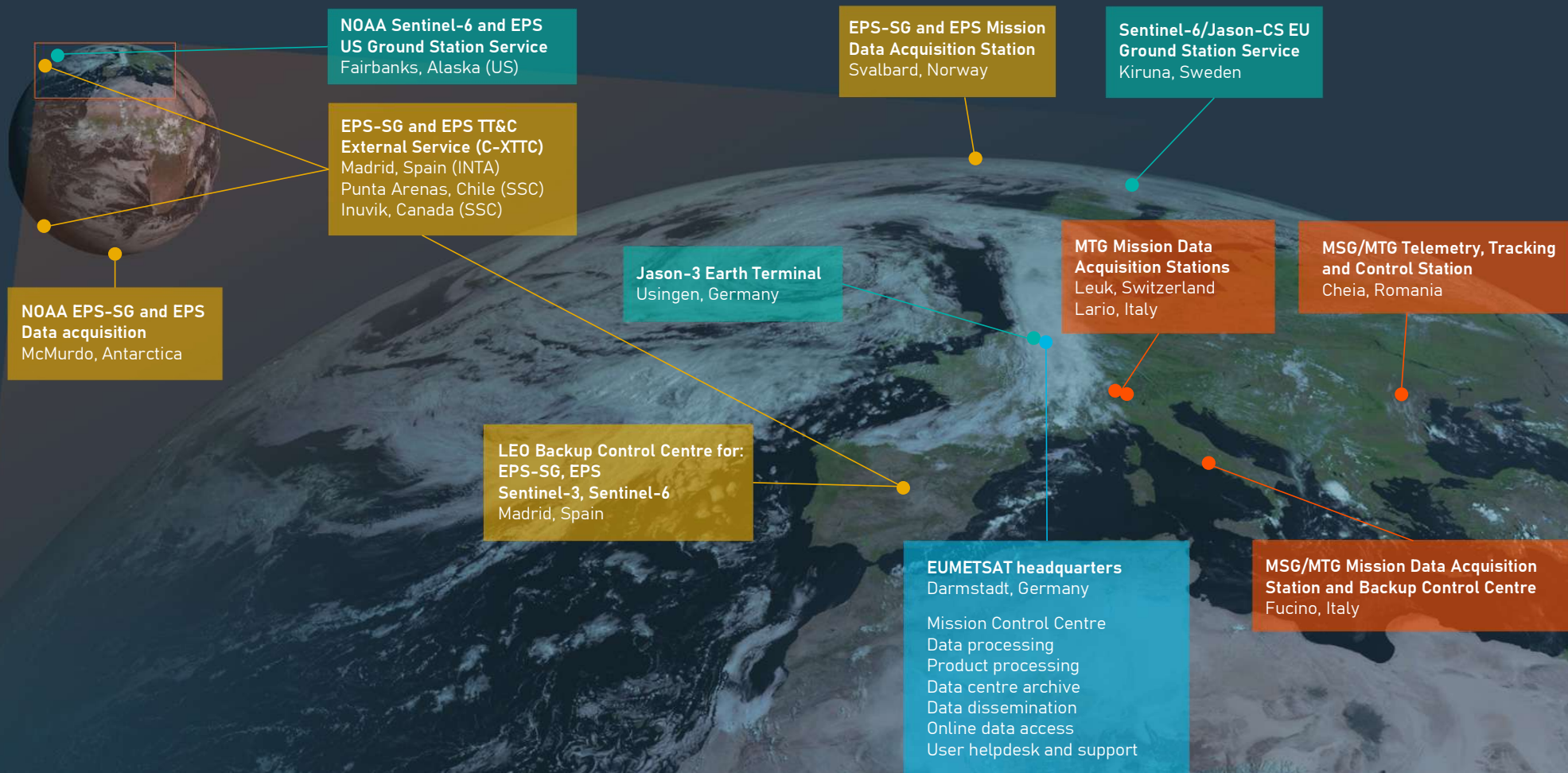
- Distributed Ground Segments providing operational data and software products, each one for a dedicated user community and application area



- Provides data access to users to EUMETSAT and Copernicus products

EUMETSAT ground systems

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EUMETSAT's network of satellite application facilities

www.eumetsat.int

EUMETSAT's Satellite Application Facilities (SAFs) are dedicated centres of excellence for processing satellite data, making use of specialist expertise in our member states. They form an integrated part of the distributed EUMETSAT ground segment.

The eight EUMETSAT SAFs provide operational data and software products, each one for a dedicated user community and application area.





Some facts & figures

www.eumetsat.int

- Headquarters in Darmstadt, DE
- ~670 staff posts + contractors on site
- 27 nationalities



Financial aspects (2025)

- 815 MEUR expenditure
- ~508 MEUR Member State contributions



EUMETSAT HQ

www.eumetsat.int

