

CEOS MIM Database Quarterly Report

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The CEOS MIM Database provides information on CEOS Agency Earth observation satellites based on an annual survey of CEOS Agencies, and is available online at ceos.org/mim-database. This report is a summary of key mission activities from the past quarter and provides a look forward to the next six months.

Latest News

The fifth flight unit of the China Academy of Space Technology (CAST) HY-2 programme, **HY-2E**, was launched from the Jiuquan Satellite Launch Centre, China, on 1 July 2026. HY-2E continues the series of missions monitoring ocean dynamics.

Launched on 7 July 2026, **CAS500-4** is the latest in the series of 500 kg-class satellites developed by Korea Aerospace Industries (KAI) and the Korea Aerospace Research Institute (KARI). Carrying a wide-swath optical imager, the satellite will support applications in agriculture, forestry, disaster management and emergency response.

Greek National SmallSat Axis 2 VHR1, developed by the Hellenic Space Center (HSC), was launched on 7 July 2026 as the first of a seven-satellite constellation providing Earth observation services for Greece. The very high resolution imager is capable of spatial resolutions of 0.9 m and 4 m for the panchromatic, and visible / near-infrared bands, respectively.

The latest in the third-generation European geostationary meteorological satellites, **MTG-I2** was launched from Europe's Spaceport, French Guiana, on 27 August 2026. The MTG satellites continue the work of the Meteosat Second Generation (MSG) series, which launched between 2002 and 2015.

On 15 September 2026, two European satellites launched from French Guiana on Vega-C flight VV30: **FLEX & Sentinel-3C**. FLEX is the newest ESA Earth Explorer, and carries a Fluorescence Imaging Spectrometer designed to monitor vegetation photosynthesis. Sentinel-3C joins the Copernicus constellation, and once commissioning is complete, will replace the operational duties of **Sentinel-3A**. FLEX will orbit in tandem with Sentinel-3A/C, to allow for near-simultaneous measurements of the fluorescence emitted by vegetation, alongside land and atmospheric measurements from Sentinel-3.



MTG-I2 team
(Image: ESA)



FLEX and
Sentinel-3C lift
off (Image:
ESA)

Upcoming Launches

Mission	Agencies	Launch	Purpose
MetOp-SG B1	EUMETSAT / CNES / ESA	Q4 2026	First microwave imaging satellite in the MetOp Second Generation series, joining MetOp-SG-A1 to monitor global temperature, precipitation, clouds, and winds.
Resurs-PM N1	ROSKOSMOS	Q4 2026	A low Earth orbit mission designed to provide high-resolution Earth imagery for environmental monitoring, disaster management and cartographic applications.
Dione	NASA	Q4 2026	6U CubeSat designed to study the response of Earth's upper atmosphere to energy from the magnetosphere and improve understanding of space weather.
TANSat-2	NRSCC	Q4 2026	Next-generation atmospheric monitoring satellite designed to measure greenhouse gases and solar-induced chlorophyll fluorescence.
IRIDE	ESA / ASI	Q4 2026	A low Earth orbit "constellation of constellations", currently including 15 HEO satellites and 24 Eaglet-II satellites in orbit; forthcoming are NOX-SAR , PLATINO-HYPER , NIMBUS-SAR and NIMBUS-VHR components.
GNSS Axis 2 VHR2 & Axis 2 HR	HSC	Q4 2026	Remaining satellites of the Greek National SmallSat Axis 2 and Axis 2 HR constellation, following Greek National SmallSat Axis 2 VHR1 launched on 7 July 2026.
Oceansat-3A	ISRO	Q1 2027	Follow-on from Oceansat-3 , measuring ocean colour, sea-surface temperature and ocean winds.
QuickSounder	NASA/NOAA	Q1 2027	Atmospheric sounding satellite designed to provide rapid measurements of temperature and moisture, supporting meteorological applications.