

CEOS MIM Database Quarterly Report

April 2025

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The CEOS MIM Database provides information on CEOS agency Earth observation satellites based on an annual survey of CEOS members, and is available online at database.eohandbook.com. This report is a summary of key mission activities from the past quarter and provides a look at the next six months.

Latest News

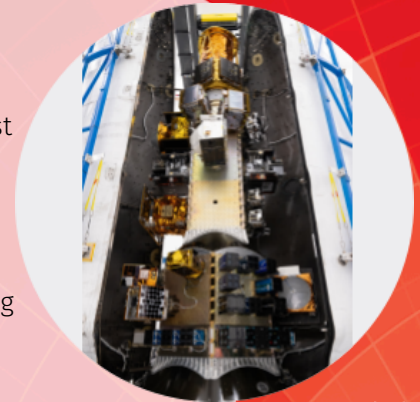
We are pleased to announce the CEOS Database's **new website**. This update lifts the existing content into a more modern design, enhancing the user interface and experience.

NORSAT-4, the Norwegian maritime monitoring microsatellite, launched on the SpaceX Transporter-12 rideshare mission on January 14, 2025. The satellite carries an AIS receiver and a novel Low Light Imager. The latter is capable of detecting ships longer than 30 meters, even in darkness or poor lighting conditions.

Russia's **Meteor-M N2-2** completed its mission on December 12, 2024. It was the fourth flight unit of the Meteor-M series, with operational meteorology as its primary mission. Carrying seven instruments, the satellite contributed to measurements across all five traditional domains, as well as space weather. **Meteor-M N2-3** and **N2-4** remain operational.

USGS and NASA have officially completed the Extended Science Mission of **Landsat-7**. Launched in 1999, Landsat-7 operated nominally for 23 years, until its orbit was lowered in April 2022. From a drifting orbit, the satellite acquired science data as part of its **Extended Science Mission** from May 5, 2022 until January 19, 2024. Landsat-7 was officially decommissioned in July 2024.

Upcoming Launches



NORSAT-4 and other payloads stacked on Transporter-12
Image credit: SpaceX



Biomass ready to be shipped
Image credit: Airbus

Mission	Agencies	Launch	Purpose
Biomass	ESA	April 2025	Carries the first space-based P-band SAR instrument which will provide comprehensive measurements of global forest biomass.
NISAR	NASA / ISRO	Q2 2025	Will track movement of the Earth's crust and ice cover. The only current satellite to carry two SAR instruments with different radar frequencies.
THEOS-2 Small Satellite	GISTDA	Q2 2025	Companion mission for THEOS-2. Capacity development of Thai engineers in satellite manufacture and operations are a priority.
MTG-S1 & Sentinel-4 A	ESA / EUMETSAT / COM	Q3 2025	Sounding platform for Europe's series of third-generation geostationary meteorological satellites, carrying Sentinel-4 A to monitor air quality.
MetOp-SG-A1 & Sentinel-5 A	EUMETSAT / COM / ESA	Q3 2025	First of Europe's second generation polar-orbiting meteorological satellites. Carries Sentinel-5 A for atmospheric composition and air quality monitoring.
MicroCarb	CNES / UKSA	Q3 2025	Carries an imaging spectrometer to measure atmospheric carbon dioxide concentrations.
GOSAT-GW	JAXA / MOE / NIES	2025	A follow-on mission to GCOM-W and GOSAT-2, focusing on greenhouse gases and the global water cycle.
CO3D	CNES	2025	Will provide global Digital Surface Models in 3D of landmasses between 70° N and 70° S with a resolution of 1 m.
CAS500-2 / -4	KAI / KARI	2025	Pair of South Korean optical EO satellites, with resolutions up to 1 m and 5 m respectively.
KOMPSAT-6	KARI	2025	Carries a high resolution X-band SAR instrument, providing continuity for observations made by KOMPSAT-5.
KOMPSAT-7	KARI	2025	Will provide high resolution imagery (up to 0.5 m) for land applications of cartography and disaster monitoring.