

CEOS MIM Database Quarterly Report

January 2026

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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 ceos.org/mim-database. This report is a summary of key mission activities from the past quarter and provides a look forward at the next six months.

Latest News

Sentinel-1D was launched on November 4, 2025, aboard an Ariane 6 from Europe's spaceport in French Guiana. It joins Sentinel-1C on orbit to deliver radar imagery of Earth's surface, providing all-weather, day-and-night coverage, and will replace Sentinel-1A once fully commissioned.

On November 17, 2025, **Sentinel-6B** was launched aboard a SpaceX Falcon 9 rocket from Vandenberg Space Force Base in California, USA. The mission was jointly developed by ESA, EUMETSAT, NASA, and NOAA, with funding support from the European Commission and technical support from CNES. Like **Sentinel-6 Michael Freilich**, Sentinel-6B carries the **Poseidon-4** radar altimeter to extend the global sea-surface height record.

ESA's first Scout mission, **HydroGNSS**, was launched on November 28, 2025, from Vandenberg aboard the SpaceX Transporter-15 rideshare flight. The mission consists of two twin satellites that perform Global Navigation Satellite System Reflectometry (GNSS-R) to gather valuable information on Earth's water cycle.

Eight **Eaglet-II** satellites from Italy's International Report for an Innovative Defence of Earth (IRIDE) programme, developed through a collaboration between the European Space Agency (ESA) and the Italian Space Agency (ASI), also launched from Vandenberg aboard the Transporter-15 flight on November 28, 2025. Equipped with a high-resolution multispectral camera and an Automatic Identification System (AIS) receiver, Eaglet-II will support the monitoring of ground motion, land cover, water resources, and coastal areas.

The **Korea Multi-Purpose Satellite 7** (KOMPSAT-7) was launched aboard a Vega-C rocket from Kourou, French Guiana on December 1, 2025. The mission follows **KOMPSAT-3A** and is designed to support detailed observation of the Korean Peninsula and meet national demand for high quality optical satellite imagery. KOMPSAT-7 carries the **Advanced Electronic Image Scanning System - High Resolution** (AEISS-HR), which features the first optical data transmission technology on a Korean satellite.

The **Operative Monitoring Satellite - Radar Number 1** (Obzor-R N1) was launched by Roskosmos on December 25, 2025, aboard a Soyuz-2.1a rocket from Plesetsk Cosmodrome, Russia. The mission aims to provide all-weather land observation and disaster monitoring.

Fengyun-4C (FY-4C) was launched aboard a Long March-3B vehicle from Xichang Satellite Launch Center, China on 26 December 2025. Operated by NSMC-CMA, FY-4C joins **FY-4A** and **FY-4B** in geostationary orbit to provide short-term weather forecasts and environmental monitoring.

On December 28, 2025, Roskosmos' **Aist-2T N1 & N2** satellites were launched aboard a Soyuz-2 rocket from Vostochny Cosmodrome, Russia to collect high resolution stereoscopic imagery of Earth's surface.

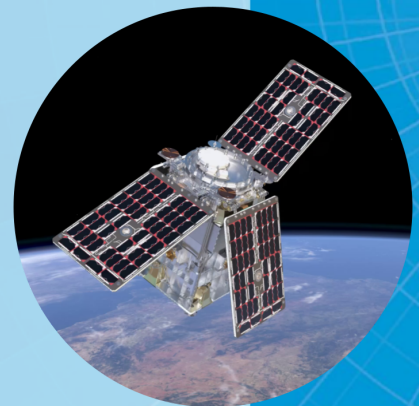
COSMO-SkyMed Second Generation - 3 (CSG-3) was launched on a SpaceX Falcon 9 rocket from Vandenberg on January 3, 2026. The constellation, owned by ASI, delivers SAR imagery for civil and military needs.

GISTDA's **THEOS-2A** mission was launched from Satish Dhawan Space Centre in Sriharikota, India on January 12, 2026. A malfunction in the third stage of ISRO's PSLV-C62 rocket resulted in the loss of the mission, which was intended to deliver high-resolution imagery to support disaster management, environmental monitoring, and national development.

NASA's **Time-Resolved Observations of Precipitation structure and storm Intensity with a Constellation of Smallsats** (TROPICS) mission was passivated on November 12, 2025. Launched on May 8, 2025, TROPICS studied cyclones with microwave radiometers sensitive to the temperature, moisture, and precipitation of storms.



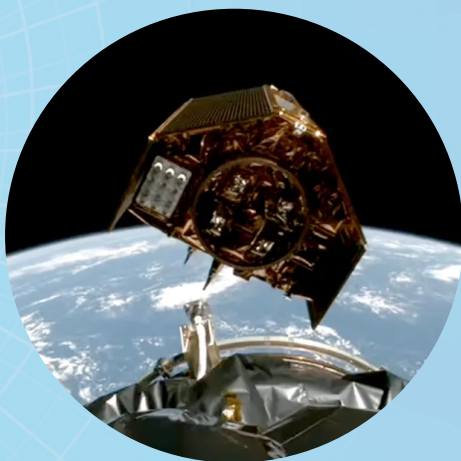
Sentinel-1D
(Image: Thales Alenia Space)



HydroGNSS in orbit
(Image: ESA)

Upcoming Launches

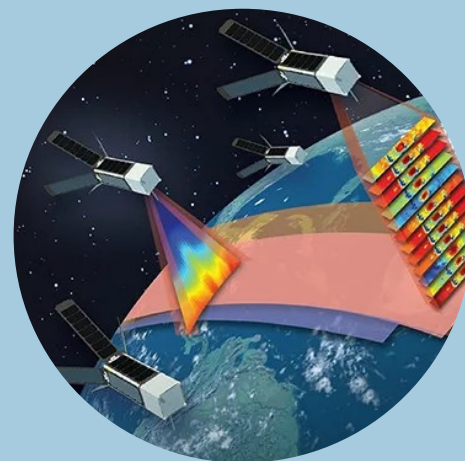
Mission	Agencies	Launch	Purpose
KOMPSAT-6	KARI	Q1 2026	Follow-on mission to KOMPSAT-5, providing high resolution X-band SAR data to meet national demand for GIS, ocean and land management, and disaster and environmental monitoring.
Elektro-L N5	ROSKOSMOS / ROSHYDROMET	Q1 2026	Geostationary weather satellite providing visible and infrared full disc imagery, as well as information on solar radiation with its GGAK-E heliophysics payload.
Oceansat-3A	ISRO	Q2 2026	Oceanography satellite flying in tandem with Oceansat-3, providing daily data supporting fisheries, coastal zone management, ocean dynamics, and numerical weather prediction.
CAS500-2 & -4	KAI / KARI	2026	A special series in the KOMPSAT Programme supporting land observation, cartography, and disaster monitoring.
Resurs-PM N1	ROSKOSMOS	2026	Environmental satellite delivering visible and infrared imagery for applications in mapping, mining, and the monitoring of pollution and natural disasters.
DQ-2	CNSA	2026	Carries both active and passive payloads for the measurement of carbon dioxide concentrations and aerosols.
HY-2E & 2F	NSOAS / CAST	2026	Ocean dynamics satellites measuring ocean topography/currents, surface winds, surface temperature, wave height, and sea ice cover.
FY-4M1	NSMC-CMA / CNSA	2026	Prototype of an FY-4 satellite equipped with a microwave sounder for atmospheric temperature and humidity observations.



Sentinel-6B launch (Image: SpaceX)



KOMPSAT-7 before launch (Image: ESA)



TROPICS (Image: NASA)