

Copernicus Sentinel-2 Mission Overview

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Sentinel-2 is an Earth Observation mission developed by the European Space Agency (ESA) in the frame of the Copernicus program of the European Commission. The mission consists on a MultiSpectral Instruments (MSI) on board a constellation of two satellites: Sentinel-2A launched in June 2015 and Sentinel-2B launched in March 2017. It covers the Earth's land surfaces and coastal waters every five days at the equator and every two days at mid-latitudes under the same viewing conditions with high spatial resolution and a wide field of view.

The Copernicus Sentinel-2 mission provides continuity to services relying on multi-spectral high spatial resolution optical observations over global terrestrial and coastal regions.

The Sentinel-2 mission offers an unprecedented combination of systematic global coverage of land surfaces, a high revisit of five days at the equator under the same viewing conditions, high spatial resolution (10, 20 and 60m depending on the band), and a wide field of view for multispectral observations from 13 bands in the visible, near infra-red and short wave infra-red part of the electromagnetic spectrum.

This presentation will provide an overview on the mission status.

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