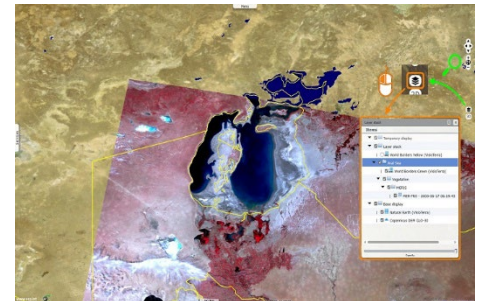


Easy visualisation of Earth observation data with new HEDAVI tool modes

25 June 2024

ESA's Heritage Data Visualisation tool, or HEDAVI, which enables the analysis and visualisation of more than 40 years of satellite data, now has exciting new features to help users craft their own Earth observation stories.



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New Announcement of Opportunity for GNSS Reflectometry data from Spire

20 June 2024

ESA is offering access to Global Navigation Satellite System data in a new Announcement of Opportunity for Spire.



The Spire Global constellation consists of almost 100 nanosatellites operating in Low Earth Orbit, which provide radio frequency monitoring for many applications, including maritime and aviation tracking, weather forecasting, and measurements of Earth's atmosphere and ionosphere.

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LATEST DATA NEWS

Additional EFI TII Cross Track Flow dataset 0302 available for Swarm

05 June 2024

Additional TII cross-track flow data is now available on the Swarm dissemination server for all the Swarm satellites. The 2 Hz and 16 Hz TIICT version 0302 datasets now cover the period from 10 December 2013 through to 20 May 2024.



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L1B orbit, attitude and magnetic field data: partial reprocessing campaign completed

31 May 2024

We are pleased to announce that the reprocessing of Swarm L1B orbit, attitude and magnetic field data carried out to replace the degraded data for the time period from October/December 2018 to 24 August 2023 has been completed.



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Highlight on:

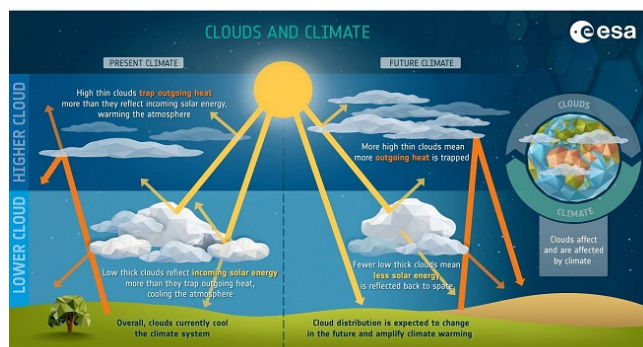
EarthCARE's on the move— what now?

24 June 2024

The much-awaited EarthCARE satellite successfully embarked on its journey into space on 29 May 2024, at 00:20 CEST, aboard a Falcon 9 rocket from the Vandenberg Space Force Base in California, USA—anticipation of the new data is causing excitement in the remote sensing community.

Carefully designed to revolutionise our understanding of how clouds and aerosols affect our climate, while the climate crisis firmly takes hold, the Earth Cloud Aerosol and Radiation Explorer, known as EarthCARE, will soon be providing crucial data to illustrate the complex interactions between clouds, aerosols and radiation within Earth's atmosphere.

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A joint venture between ESA and the Japan Aerospace Exploration Agency, JAXA, it is the most complex of ESA's research missions to date, with its set of four state-of-the-art instruments.

Unique to the mission is that these instruments will work together to provide a holistic view of complex interplay between clouds, aerosols and radiation, bringing new insight into Earth's radiation balance, in relation to the climate crisis.

Have data from ESA's various satellite missions benefited your work? Would you like to share the results from your research?

Contact us and we may be able to publish an article or conduct an interview related to your experience.

[CONTACT US](#)

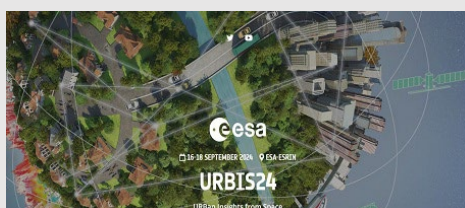
UPCOMING EVENTS



03/09/2024

2024 European Polar Science Week
Registration closes on 31 July

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16/09/2024

URBIS24 (URBan Insights from Space)
Registration opens 30 June 2024

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02/12/2024

VH-RODA 2024
Abstract submission closes on 25
September

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Focus on: Data access

WorldView data access

The WorldView satellites have acquired very high-resolution imagery of Earth since 2007. Owned by Maxar, the WorldView-1 to 3 satellites are currently operational, and WorldView-4 was retired in 2019.

Capable of acquiring up to 31 cm resolution images, data from the WorldView satellites can support many applications including studies of Earth's surface, such as forest, urban, and disaster monitoring.

The four WorldView satellites are part of ESA's Third Party Missions programme, in which ESA has an agreement to freely distribute data from the missions for research and application development.

Data collections are available for each of the missions, and access is granted upon successful evaluation of a Project Proposal, describing the scientific requirement for the products.

In addition, an archive of selected products requested for accepted projects is also available following submission of a Fast Registration with approval.



WorldView-3 image of Venice.
Credit: Maxar Technologies provided by European Space Imaging



False-colour WorldView-3 image of crops in Croatia.
Credit: EUSI

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