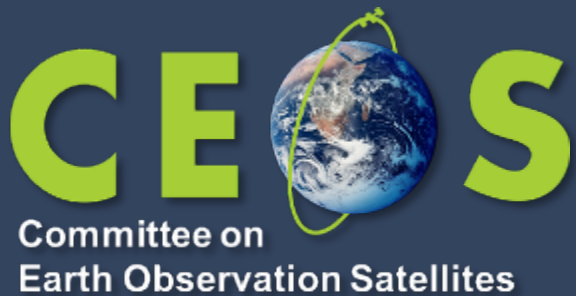


UKSA Agency Report



Robert Fletcher, UKSA
Agenda Item 2.2
WGISS-61 and WGDisaster-25
16-20 March, 2026
Dehradun, India

Agenda

1. CEOS highlights
2. EODH
3. Capability Study
4. UK in ESA
5. DSIT Re-structure



CEOS Highlights 2025

- + The UK hosted the 39th CEOS Plenary in Bath, marked its conclusion as Chair which focused on the theme of ‘Unlocking Earth Observation for Society’.
- + **Focus**—Improving public services, supporting space data use in global stocktakes, advancing best practices for methane emissions measurement and inspiring future talent.
- + **CEOS Youth Summit**—First of its kind, brought together students from six countries, while the launch of the CEOS Youth Hub further expanded access to EO learning resources worldwide. Both initiatives have now been adopted by the incoming CEOS Chairs, with international webinars happening across March.
- + **International endorsement of new satellite-based methane measurement standards**—major milestone that will improve the accuracy and transparency of emissions data reporting worldwide, which was advanced under UKSA chairmanship.



EARTH OBSERVATION

D A T A H U B



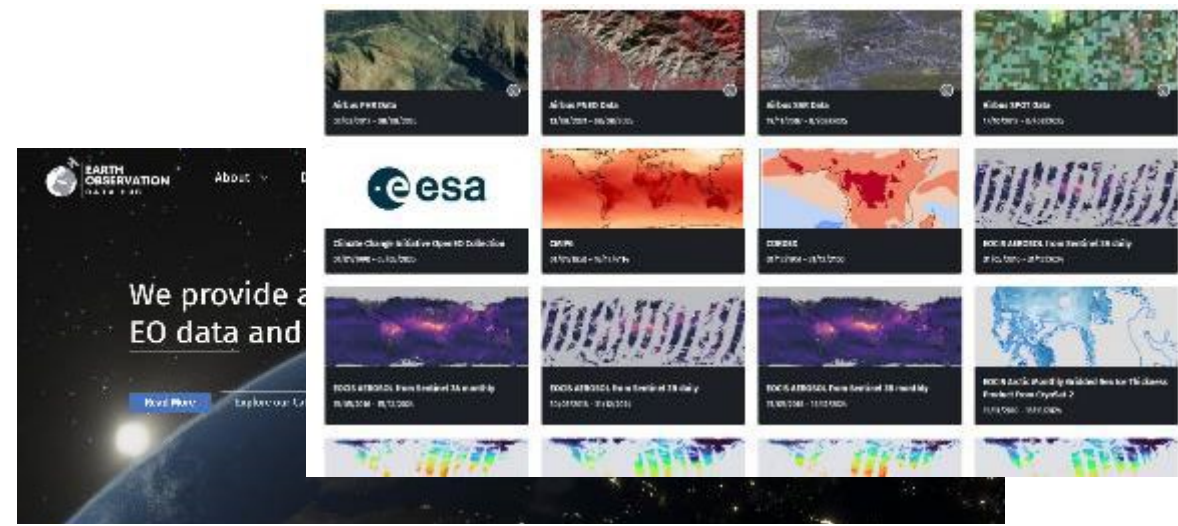
eodatahub.org.uk
enquiries@eodatahub.org.uk



Search, download and order EO data

From open and commercial sources

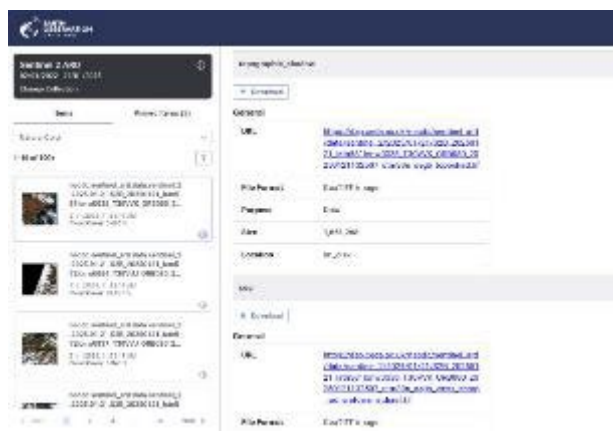
The EO DataHub is a **central platform for commercial and open data discovery**, enabling you to **search for Earth Observation data** from many sources, from a **‘single point’ of access**.



Browse the Resource Catalogue for open and commercial EO data.



Download a GeoTIFF image file of a Sentinel 2 acquisition.



Place an order for an Airbus SPOT image to be delivered to your workspace, as a ‘Basic’ processing bundle, under a ‘Standard Multi End-User’ license.

Platform capabilities

Collaboration



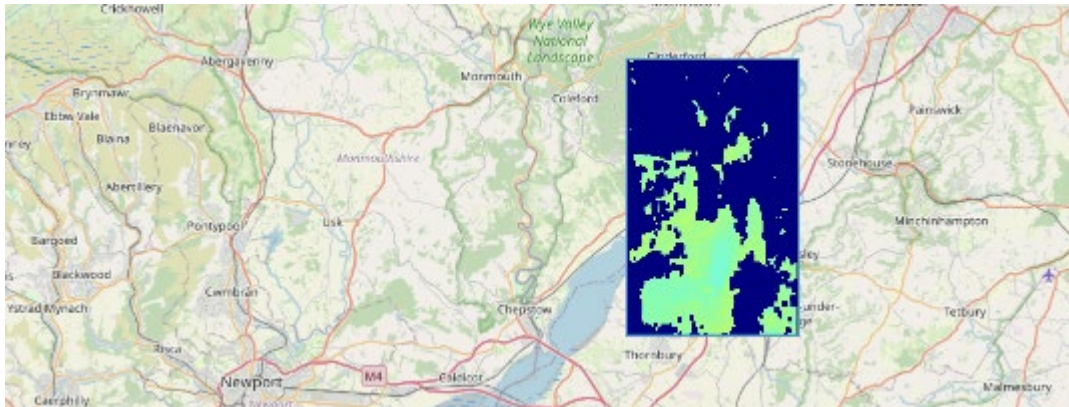
Share

- Analysis scripts
- EO data
- Derived outputs



with

- Internal teams
- External collaborators



Outreach



Enabling

- Data sharing with new end-users
- Building external partnerships



Achieving

Wider reach within government, research and commercial sectors

QA-driven research



Find

Quality assured data sources assessed with standardised QA methods, to derive reputable scientific insights.



Compare

Open and commercial data sources and understand associated uncertainties.



Utilise

Open source access routes to search the EODH data catalogue

EO processing



Process + analyse

Your research data



Manage + store

Your files and outputs



Integrate with GitHub

From the Jupyter notebooks service to develop processing pipelines within the Hub, and push changes directly to your repository

[Optical & Multispectral](#) [Description](#) [Provider](#) [Location](#) [Time Period](#) [License](#) [Quality Assessment](#) [Clear All](#)

Data Collections

[Optical & Multispectral](#)

Group By

None

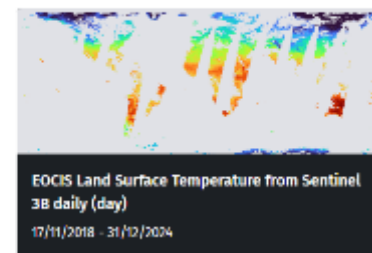
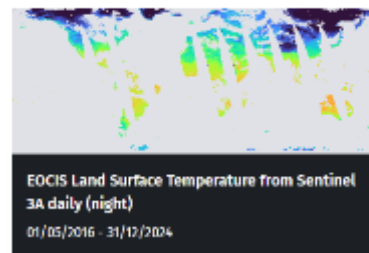
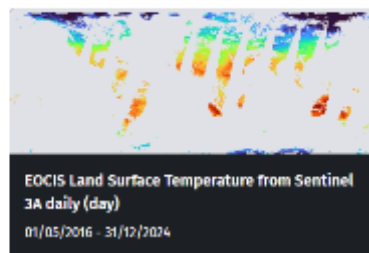
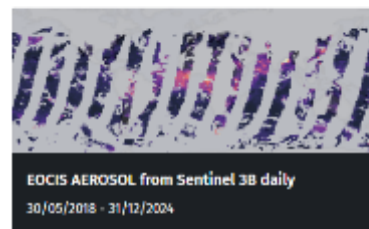


Data Collections

[Climate Data](#)

Group By

None

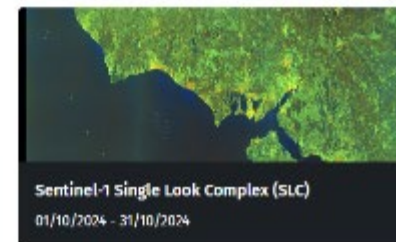
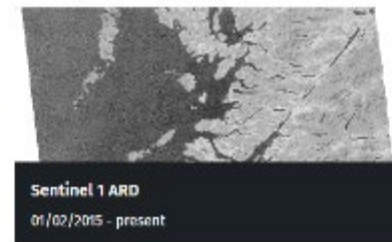
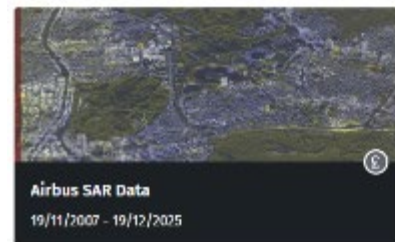


Data Collections

[Radar](#)

Group By

None





Airbus PHR Data

02/03/2012 - 20/02/2026

Change Collection

Items

Pinned Items (4)

Preview (approximate location)

1-10 of 90



DS_PHR1A_202504291117384_FR1_PX_W00
2N50_0217_03147

29/4/2025, 11:17:38 AM
Cloud Cover: 0 %
Snow/Ice Cover: 0 %
Sun Elevation: 52.826 °
Incidence Angle: 10.146 °

Purchase



DS_PHR1B_202009161136235_FR1_PX_W00
3N50_1023_01636

16/9/2020, 11:36:23 AM
Cloud Cover: 0 %
Snow/Ice Cover: 0 %
Sun Elevation: 41.271 °
Incidence Angle: 29.373 °

Purchase



DS_PHR1B_201810291129075_FR1_PX_W00
3N50_1119_01258

29/10/2018, 2:31:42 PM
Cloud Cover: 0 %
Snow/Ice Cover: 0 %
Sun Elevation: 25.719 °
Incidence Angle: 16.88 °

Purchase



DS_PHR1B_201706131147474_FR1_PX_W00
2N50_0712_01350

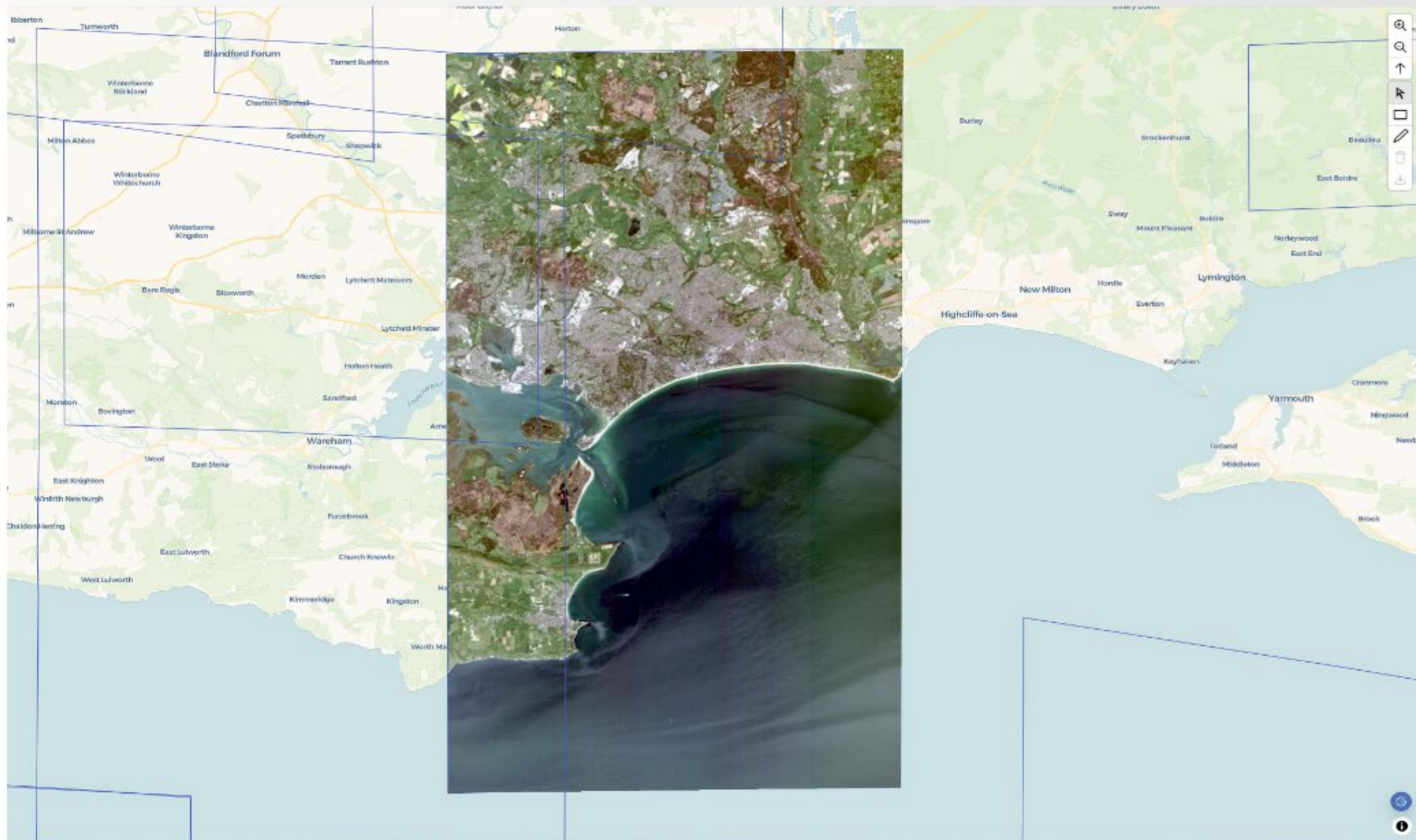
13/6/2017, 11:44:26 AM
Cloud Cover: 0 %
Snow/Ice Cover: 0 %
Sun Elevation: 62.675 °
Incidence Angle: 40.883 °

Purchase

DS_PHR1B_202211121133163_FR1_PX_W003
N50_0513_00596

12/11/2022, 11:33:16 AM

< Back 1 2 3 ... 9 Next >



Data Capability Work

- ④ UK government study *EO Data and Infrastructure Feasibility Study* (completed Feb 2026 by Exotopic and partners) on Space Data Architecture & Applications (SDAA)
- ④ Provides evidence and recommendations to strengthen the UK's space-data ecosystem
- ④ Supports national security, resilience, QA, economic growth and public services



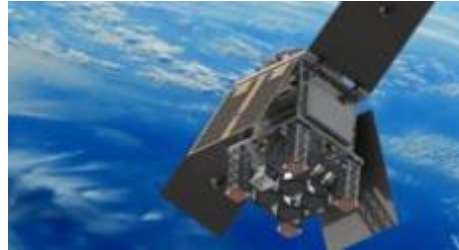
The UK in ESA: Highlights



Biomass is a fantastic example of UK France science led and UK built ESA mission

Successfully launched on 29th April 2025

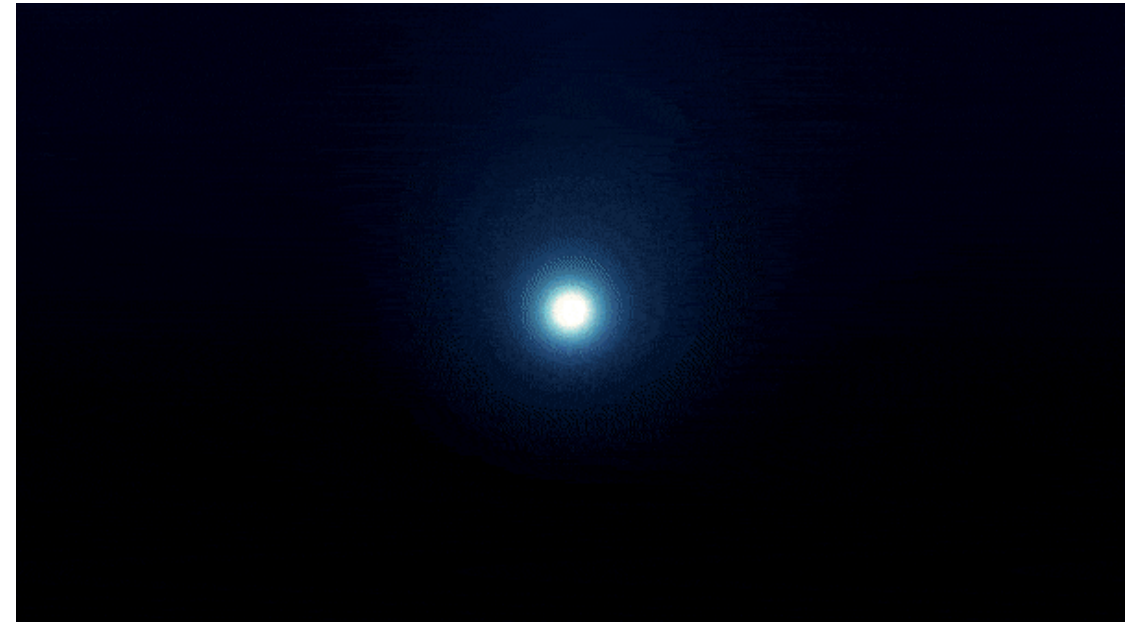
At the Living Planet Symposium, the first images marking a major step forward in our ability to understand how Earth's forests are changing and exactly how they contribute to the global carbon cycle.



GNSS - Launched Nov 2025. Twin satellites are in orbit and already collecting initial GNSSR data to monitor key watercycle climate variables (soil moisture, wetlands, freeze/thaw, biomass).



MANTIS - InCubed mission deorbited in Oct 25 after a successful mission.



ESA's **Digital Twin Earth (DTE) programme** turns Earth observation data into pre-operational digital twins for climate, extremes and adaptation use cases.

It delivers scalable **EO** driven models, components and services Enables data-driven scenario testing (e.g. floods, heat, climate adaptation) using satellite data, AI and HPC, accessible to science, policy and downstream users.

1st round was extremely successful for UK, with fantastic presentations and tu at the most recent DTE Open Science Meeting in ESRIN Frascati, Italy in Fe

The UK in ESA: Highlights

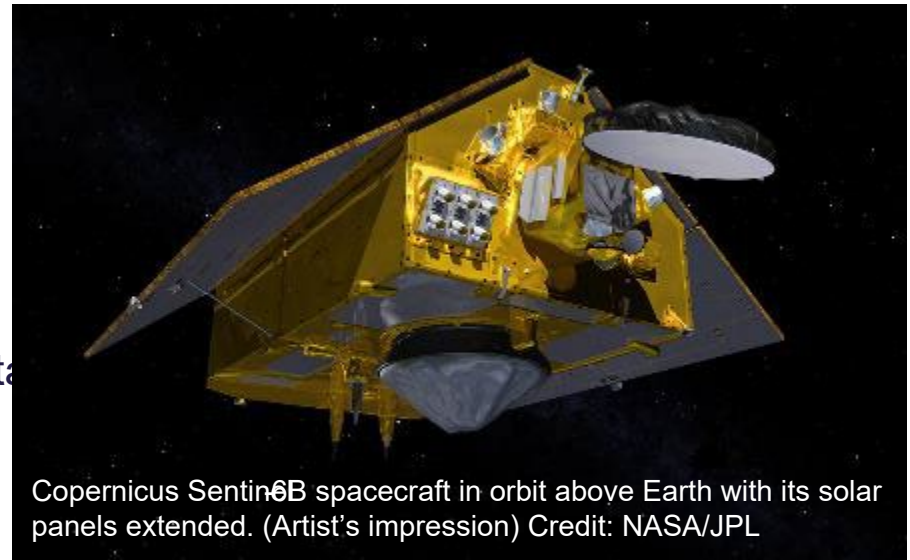
Copernicus Sentinel 4A Successfully launched July 2025, it enhances Europe's air-quality monitoring from geostationary orbit, providing hourly, high-resolution observations of key atmospheric pollutants to support forecasting and environmental policy.

Copernicus Sentinel 5A Successfully launched August 2025, it delivers daily global measurements of atmospheric pollutants and trace gases, strengthening Europe's ability to monitor air quality and emissions and complementing Sentinel regional observations.

Copernicus Sentinel 1B Successfully launched November, it maintains Europe's all-weather, day/night radar imaging capability for environmental monitoring, maritime surveillance, and emergency response, providing free, open data to strengthen Europe's leadership in EO.

Copernicus Sentinel 6B Successfully launched on 17 November 2025, it ensures continuity of the global sea level climate record. The satellite will deliver precision sea level monitoring through at least 2030, supporting climate forecasting, coastal resilience, and long-term environmental planning. Built with critical UK-supplied components, demonstrating strong UK industrial contribution to the Copernicus programme, since re-entering the programme in 2024.

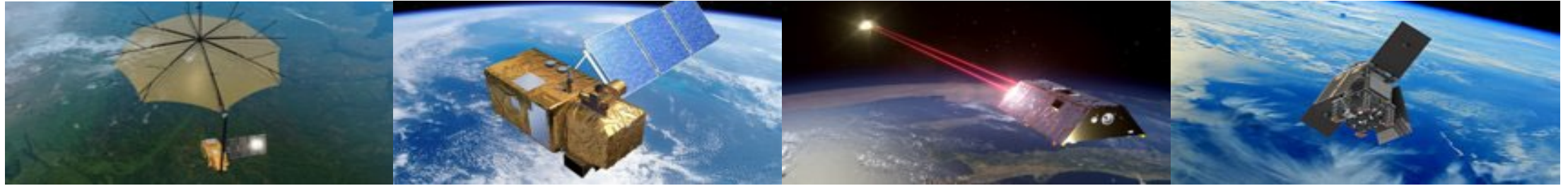
UKSA are working to improve UK industry access to Copernicus contracts, including underrepresented service areas, and to expand engagement with components of the programme that have previously seen limited UK involvement.



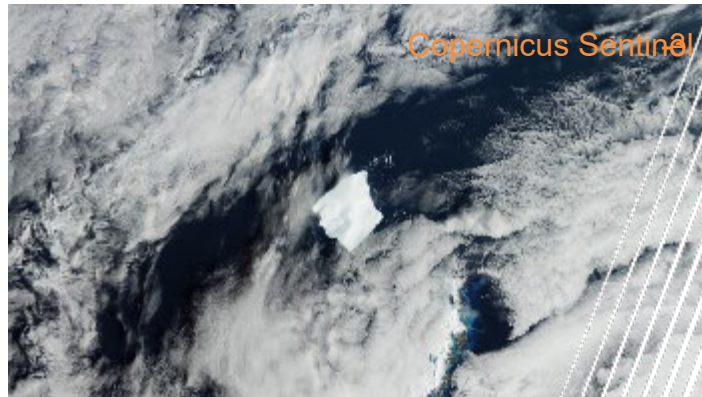
Copernicus Sentinel-6B spacecraft in orbit above Earth with its solar panels extended. (Artist's impression) Credit: NASA/JPL



The UK in ESA: CMIN25



Future EO



Copernicus CS4



Digital Twin Earth



ERS

UK Space Agency – DSIT Integration

- From April 2026, the UK Space Agency will merge with the Space Directorate of the Department of Science, Innovation and Technology (DSIT), currently our sponsoring department.
- Space is becoming increasingly important to government, and this change will streamline our operations, allow us to work more closely with Ministers, and improve our ability to lead space policy, strategy, and delivery as a united team. This will help us to deliver a more joined and focused portfolio of activities that reflect our priority capability goals.
- The merged organisation will retain the UK Space Agency name and identity and build on our deep relationships with the UK sector and international partners to keep the UK at the forefront of space.



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