**Featured story**

**ERS Heritage Data allow for 30 years of science**

At their time of launch, the two ERS satellites were the most sophisticated Earth observation spacecraft ever developed and launched by Europe.

These highly successful ESA satellites collected a wealth of valuable data on Earth's land surfaces.

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**LATEST DATA NEWS**

**New reprocessing of datasets celebrates 30 years of ERS**
The ERS programme celebrated its 30th anniversary on 17 July. Today, we are still exploiting ERS data and experts continue to work on improving the altimeter, radiometer and SAR data the programme acquired.

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**New Swarm Ion Temperature Estimation (SITE) data product released**
A new dataset of Swarm Ion Temperature Estimation (SITE) is now available for the three Swarm spacecraft.

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**UPCOMING EVENTS**

**17th European Space Weather Week**
25/10/2021
17th European Space Weather Week
The early registration deadline for this event is 3 September 2021.

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**AGU Fall Meeting**
13/12/2021
AGU Fall Meeting
The abstract deadline for this event is 4 August 2021.

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**Living Planet Symposium**
23/05/2022
Living Planet Symposium
This event takes place from 23 – 27 May 2022.

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WorldView-3 maps methane plumes at very high resolution

Very high spatial resolution data from the WorldView-3 satellite can fill an important observational gap in the remote sensing of methane point emissions.

Recent work by the Land and Atmosphere Remote Sensing (LARS) group at the Universitat Politècnica de València (UPV) has led to the latest breakthrough in this quickly developing field.

Using very high spatial resolution shortwave infrared (SWIR) images from the WorldView-3 satellite, they have mapped methane plumes from a number of locations around Earth at a spatial resolution up to 3.7 m. Positive plume detections were achieved in oil and gas extraction fields in Algeria and Turkmenistan, and in the Shanxi coal mining region in China.

An ESA Third Party Mission, WorldView-3 is an imaging and environment-monitoring satellite from DigitalGlobe of the United States, which launched on 13 August 2014 and remains operational.

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New ERS infographic

17 July 2021 marks the 30th anniversary of the launch of ERS-1, ESA’s first dedicated Earth observation satellite. To mark the occasion, we’ve released a new infographic summarising the pioneering ERS missions.

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