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esa EOPF SENTINEL ZARR SAMPLES



The new Earth Observation Processing Framework Sentinel Zarr Samples Service

New Era for Copernicus Sentinel Data: The Future is Cloud-Based

For over a decade, Copernicus Sentinel Data Processors have generated vast amounts of reliable, accurate Earth Observation data facilitating groundbreaking scientific research and innovative commercial applications. However, as technology advances, so must the way we process and access this data.

That's why the European Space Agency (ESA) is introducing the **Earth Observation Processing Framework (EOPF) Zarr format,** a cloud-ready solution designed for seamless interoperability.

Facilitating this transition is the **EOPF Sentinel Zarr Samples Service**, funded by ESA and managed by a consortium of Earth Observation, satellite data, and IT experts.



Introducing EOPF Sentinel Zarr Samples

The EOPF Sentinel Zarr Samples Service aims to demonstrate:

- **Harmonised** data formats across Sentinel missions
- **Efficient** access to any Sentinel data subset and to Sentinel data series
- **Optimised** combination of data from different Sentinel missions
- **Scalable** processing on cloud platforms
- **Seamless** integration with modern data science programming frameworks
- **Streamlined** analysis of Sentinel data including AI applications

With user-friendly tools and notebooks, the EOPF Sentinel Zarr Samples simplifies the processing of Copernicus Sentinel data.

Our resource page will be publicly accessible by the end of March.

Visit our website

Join our first webinar

Curious to learn more? Don’t miss our upcoming webinar, to get an overview of the EOPF Sentinel Zarr Samples Service and explore the capabilities of the new format.

📅 **Thursday 27th of March, 11:00 AM CET.**
📍 **Online**

Register









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