



National and Private Data Access Initiatives



What data?

Thanks to the Copernicus open data policy, national and private initiatives have emerged to support and encourage the uptake of Copernicus products and information by users. For example, the ESA data access and dissemination system is complemented by national mirror sites set up in the “Collaborative Ground Segments”

framework. National mirror sites have a unique access right to a dedicated hub, which offers the required performances at server level. The link between the mirror site and ESA’s hub (Wide Area Network) remains under the responsibility of the Member State. The following table lists such national and private initiatives.

National initiatives (examples)

Initiative name	Initiative leader	Description, website and targeted user group
Platform for Exploiting Products from Sentinels (PEPS1)	CNES	The PEPS platform aims to provide a free and easy access to Sentinel data and to offer processing capability, training, user uptake, dissemination and communication. URL: peps.cnes.fr Targeted user group: scientific communities and public policy players.
THEIA Land Data Centre	CEA, Cerema, IRSTEA, IRD, CNRS, INRA, IGN, Meteo France, CIRAD, ONERA	Theia’s main missions are (i) to build a national service and data infrastructure able to produce value-added space data over land and to provide services fitted to users’ needs; (ii) to support the sharing of experience and scientific knowledge on relevant methodologies to process and use space data for land thematic issues. URL: www.theia-land.fr Targeted user group: scientific communities and public policy players.
NOA Hellenic National Sentinel Data Mirror Site	National Observatory of Athens (NOA) and the Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing (IAASARS)	The collaborative Sentinel Data Hub, the so-called Hellenic National Sentinel Data Hub, or the Greek Mirror Site, disseminates S-1, S-2, S3, and S-5P data to the whole area of South-Eastern Europe (i.e. the Balkans peninsula, alongside with Italy, France and the Iberian peninsula), as well as to the Middle East and North Africa. URL: sentinels.space.noa.gr Targeted user group: Institutions, scientists & researchers communities, public authorities and space industry players.
CATAPULT space applications & CEDA	UK Space Agency	Satellite Applications Catapult provides access to Earth Observation and related data, as well as tools that can be used to extract information from that data and collaborate effectively with Catapult and other programmes in the space sector. URL: sa.catapult.org.uk Targeted user group: Institutions, scientist & researchers communities, public authorities, space industry players, commercial service providers.

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Private initiatives (examples*)

Initiative name	Initiative leader	Description and website
ESA Thematic Exploitation Platforms (TEPs)	ESA, each platform being implemented by a private consortium.	Thematic Exploitation Platforms (TEPs: polar / urban / coastal / forest / hydrology) are innovative virtual platforms that help derive information from Earth Observation (EO) data. The principal idea underpinning TEPs is to provide users with indicators rather than with raw data. Ultra-fast data access and using cloud technology processing enhance the efficiency of these platforms. URL: tep.eo.esa.int/ Targeted user group: All user types (mainly scientists and researchers).
CloudEO	CloudEO	CloudEO is a unique geo collaboration platform for all those who create, interpret and use geo data. CloudEO offers numerous geo-data products as well as GIS software and applications from various providers. URL: www.cloudeo-ag.com Targeted user group: Users & developers of geo services, providers of geo-data & geo-services, applications, and tools.
EODC platform (Earth Observation Data Centre for water resources monitoring)	Vienna University of Technology, Department of Geodesy and Geoinformation.	The mission of EODC is to work together with its partners from the science, public and private sectors in order to foster the use of earth observation data for the monitoring of global water resources. The initiative aims at disseminating products/services such as: near real-time Surface Soil Moisture, Wetland mapping, crop monitoring, etc. URL: www.eodc.eu Targeted user group: Regional authorities and private users.
GEOPEDIA Platform	Sinergise	Sinergise is a GIS company building large turn-key information systems mainly in the fields of agriculture and real-estate administration. Sinergise also focuses on advanced applications for distributed GIS editing. They developed and now provide GEOPEDIA, a web-based application for searching, viewing, and editing a large set of geographical data with added-value services available to many different clients. Within the scope of the Copernicus programme, they have been working on the implementation of new functions in the GEOPEDIA platform. URL: www.geopedia.world Targeted user group: National & regional authorities and private users.
GEOSTORM platform	CS-SI	CS-SI developed GeoStorm, which is a geospatial platform for the storage, processing and broadcast of all kind of geo-information. URL: geostorm.eu/ Targeted user group: Regional authorities and private users.
Sentinel-2 on AWS	Amazon	Sentinel-2 data is available to anyone via Amazon S3, either through the Internet or within AWS. All Sentinel-2 scenes are made available, often within hours of production. URL: sentinel-pds.s3-website.eu-central-1.amazonaws.com/ Targeted user group: Developers, private/public downstream users.
Google Earth Engine	Google	Google Earth Engine is a computing platform that enables users to run geospatial analysis on Google's infrastructure. The Earth Engine includes a growing collection of Sentinel-1 data pre-processed using the Sentinel 1 Toolbox. Many other data from other sensors are also available. URL: earthengine.google.com Targeted user group: Developers, private/public downstream users.

* The European Commission does not endorse any specific commercial enterprise