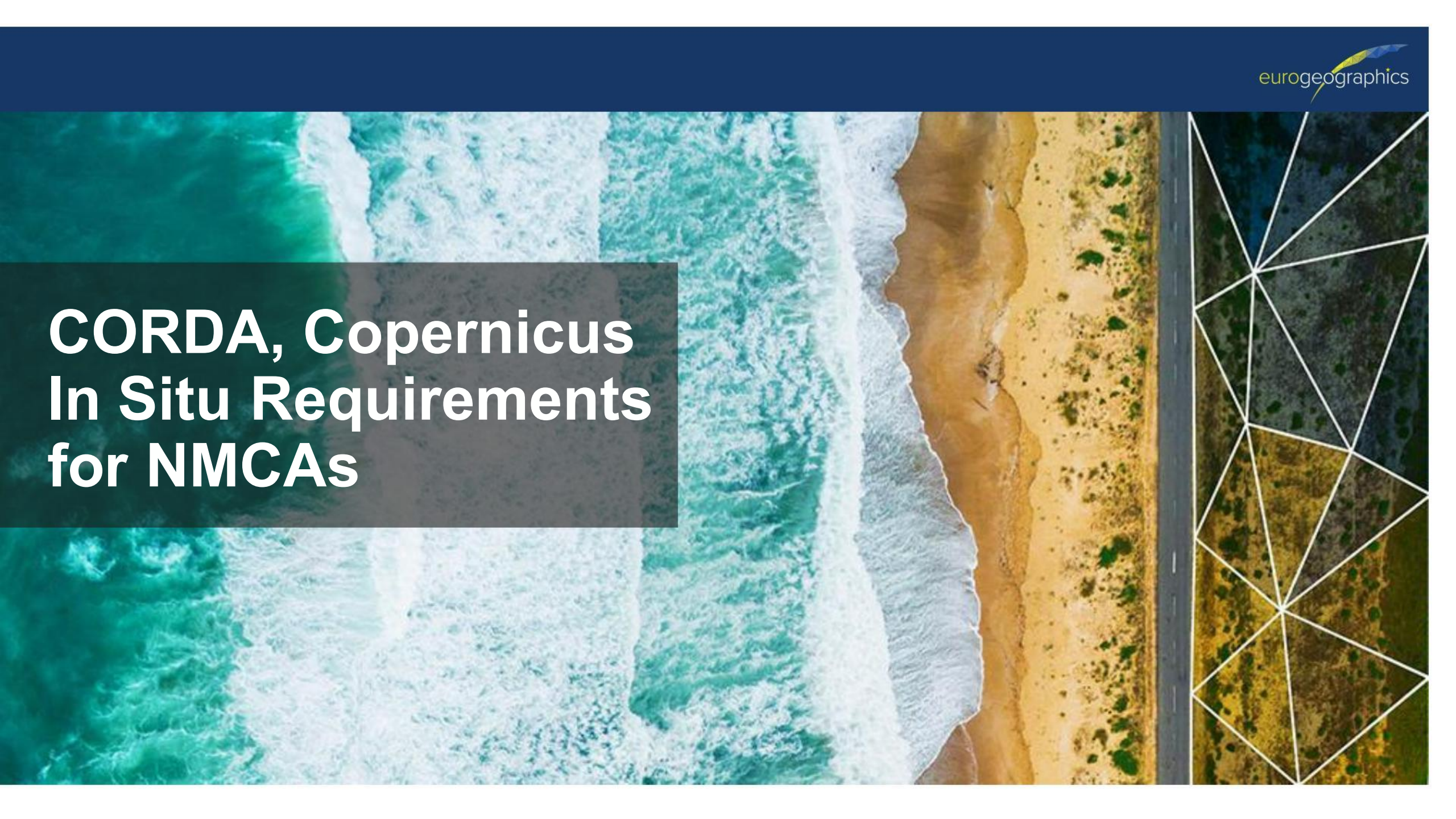




CORDA, Copernicus In Situ Requirements for NMCA's

CORDA

CORDA provides a centralised gateway or a **single-entry point node** for accessing the geospatial reference data from the European countries participating in the Copernicus program.

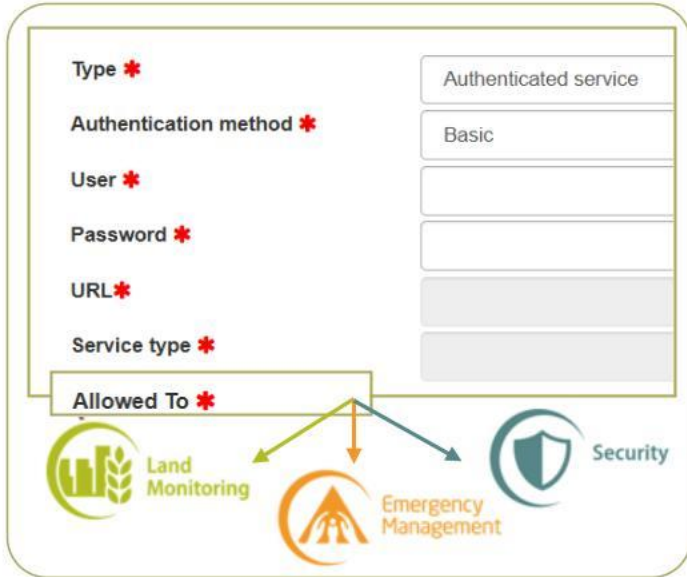
The **European Environment Agency** ensures that only authorised users, the Copernicus service providers, have access to the index of URLs containing relevant national and regional reference data and services.



Security around CORDA

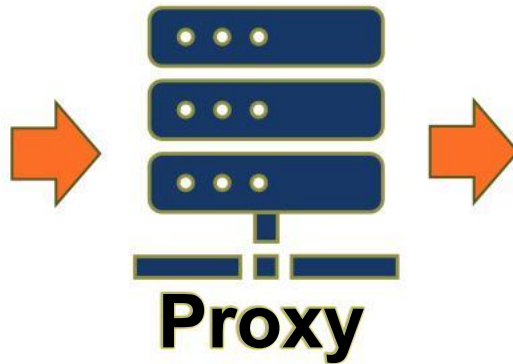
Objective: provide **easy access** to data to any Copernicus user.

If for any reason, the data is provided exclusively for one, or several, of the Copernicus Services, CORDA team has the technology and experience to make the **data available just for the authorized team**.



A screenshot of the CORDA authentication interface. It features a form with the following fields: 'Type' (dropdown menu showing 'Authenticated service'), 'Authentication method' (dropdown menu showing 'Basic'), 'User' (text input), 'Password' (password input), 'URL' (text input), and 'Service type' (dropdown menu). Below these fields is a section titled 'Allowed To' with three radio button options: 'Land Monitoring' (with a green leaf icon), 'Emergency Management' (with an orange fire icon), and 'Security' (with a blue shield icon). The 'Security' option is currently selected.

It works with standards:
OGC, ESRI, ...



https://corda.eea.europa.eu/_layouts/15/CORDAAuth/CORDAProxy.aspx?
internal parameters of CORDA, separated from the username and password provided by the data owner

Telemetry:
the number of unique users accessing your dataset can be provided

General Data Requirements for Copernicus

Features	CEMS	CLMS	CSS
<i>Georeferenced datasets in vector format with an accuracy equivalent to a scale of 1:50 000 or larger:</i>			
<i>administrative boundaries</i>	x	x	x
<i>transportation infrastructure including roads and railway network</i>	x	x	x
<i>built up areas</i>	x	x	x
<i>toponyms / place names</i>	x	x	x
<i>hydrography / hydrographics networks</i>	x	x	x
<i>buildings</i>	x	x	x
<i>building (blocks, footprints and/or points)</i>	x		
<i>addresses</i>	x	x	x
<i>cadastral parcels</i>	x	x	x
<i>shoreline</i>		x	
<i>natural protected sites</i>		x	
<i>natural habitats and biotopes</i>		x	
<i>monitoring data on natural disasters (eg. Wild fires, landslides, etc.)</i>		x	
<i>reference buildings (e.g. diplomatic buildings, educational, medical, religious, point of interest)</i>			x
<i>bathymetry</i>			x
<i>Border Crossing Points (BCP)</i>			x
<i>nautical charts</i>			x
<i>utility and Governmental Services</i>	x		x
<i>harbour infrastructure</i>			x
<i>airfield infrastructure</i>			x
<i>production and industrial facilities</i>	x		x

Features	CEMS	CLMS	CSS
<i>orthophotos, accuracy = to or better than 0,5 m</i>	x	x	x
<i>raster topographical maps 1:50 000 or larger</i>	x	x	x
<i>Digital elevation models (DEM) with a resolution of 1m - 25 m</i>	x	x	x
<i>Digital Elevation Models (DTM) with a resolution of 1m - 10m (accuracy: horizontal CE90: 1m-25m; vertical LE90: 1-10m)</i>	x		
<i>Digital Surface Models (DSM) with a resolution of 1m - 10m (accuracy: horizontal CE90: 1m-25m; vertical LE90: 1-10m)</i>	x		
<i>LIDAR point cloud data (including classified data) from which Digital Elevation Models can be derived</i>	x		
<i>Land use / Land cover 1:50 000 or larger (raster/vector), ideally with a resolution of 1m - 10m</i>	x	x	x
<i>population and demographic data</i>	x		x
<i>ground control points</i>		x	
<i>land parcel identification system (LPIS) data</i>		x	
<i>geo-spatial aid application (GSA) data</i>		x	
<i>ground motion and/or single structure/building displacement measurements</i>		x	
<i>phenological observations</i>		x	
<i>national forest inventories</i>		x	

Specific Requirements



- LPIS/GSA, annually Updated, used to train algorithm in the automatic categorization of Land Use
- LiDAR *
- High Resolution DTM $\leq 2\text{m}$
- Geology
- BU *
- LC/LU * for Pan European product
- HY data * + Man-made objects for Pan European product

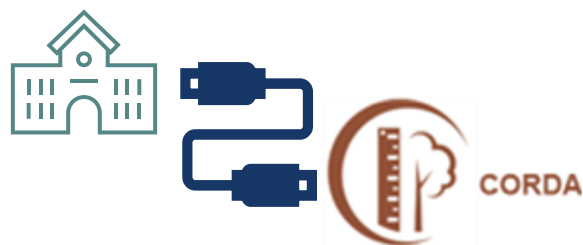


Technical Data Requirements

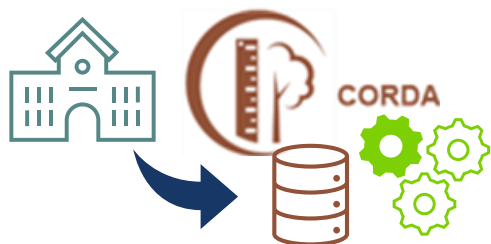
- Downloadable data (possibly through bulk downloads), exception: orthoimagery
- With the better resolution available
- Attributes:
 - filled-in as many as possible
 - part of a well documented data dictionary, made available in English and referred to in the metadata
- Conditions for access and use: ideally no conditions for access and use. If any, CC-BY 4.0 or similar
- Semantic rich XML metadata, primarily in terms of abstract and lineage

Technical Data Requirements

Data accessibility



- accessing data directly from the owners' servers enables end users to work with the most up-to-date information + avoids temporal gaps between stored datasets and their latest available versions



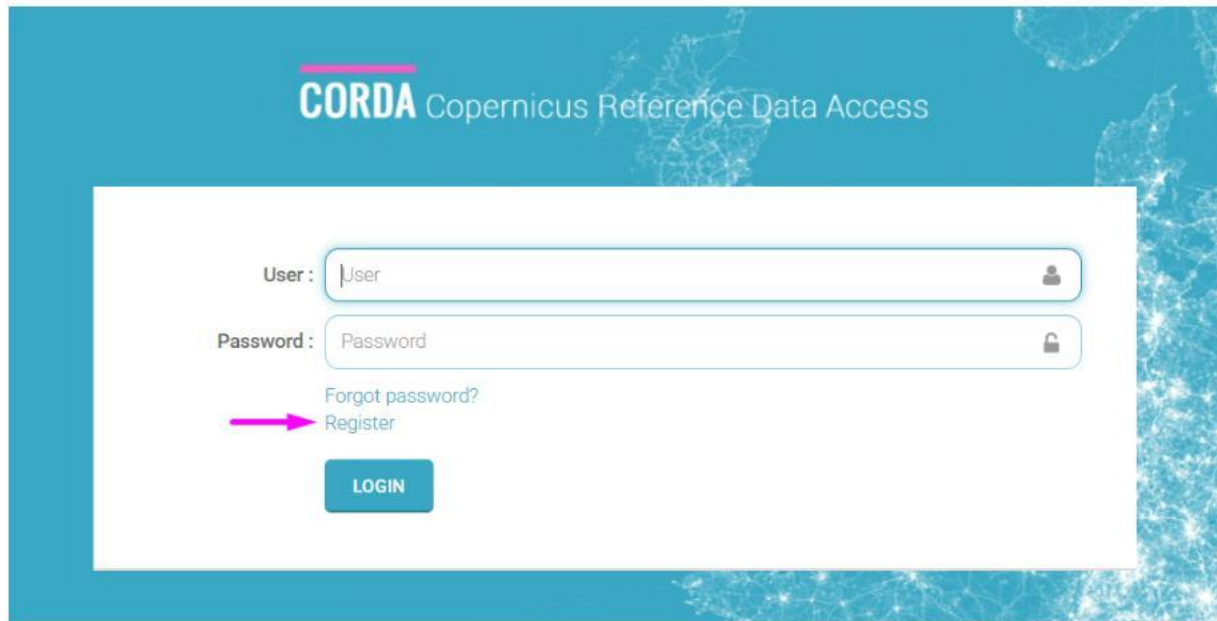
- For exceptional cases, CORDA is preparing a data storage structure to support Copernicus requirements.
- Not yet fully operational → urgent activations may require alternative data delivery arrangements, while fully maintaining the security protocols for restricted data

Agreements' data impact in CORDA

Country	Data Provider	Number of New Datasets	Number of Updated Datasets
Albania	State Authority for Geospatial Information (ASIG)	29	0
Belgium	NGI Belgium	4	3
Croatia	State Geodetic Administration of the Republic	5	1
Cyprus	Department of Lands and Surveys	1	9
Czechia	Surveying, Mapping and Cadastre	3	0
Denmark	Agency for Data Supply and Infrastructure	1	1
Estonia	Estonian Land Board	1	1
Finland	National Land Survey	1	4
France	NGI France	3	0
Georgia	National Agency of Public Registry	5	0
Germany	Germany BKG Service Center / Working Committee of the Surveying Authorities of the Laender of FRG	3	0
Iceland	National Land Survey of Iceland	4	1
Ireland	Tailte Éireann	10	1
Latvia	Geospatial Information Agency	4	4
Latvia	The State Land Service	2	2
Malta	Planning Authority	15	0
Moldova	Agency for Geodesy, Cartography and Cadastre of the Republic of Moldova	0	0
Netherlands	Cadastre, Land Registry and Mapping Agency	10	3
Norway	Norwegian Mapping Authority	8	1
Poland	Agency for Geodesy and Cartography of Poland	0	0
Portugal	Directorate General for Territory	1	0
Slovakia	Geodesy, Cartography and Cadastre Authority	9	10
Spain	General Directorate for the Cadastre	0	0
Spain	NGI Spain	13	4
Sweden	Lantmäteriet	2	1
UK-Northern Ireland	Land and Property Services of Northern Ireland	3	0
Total:	07/05/2024 to 30/04/2026 (163)	137	46

Access to CORDA

You can see the data of your agency indexed in CORDA

The CORDA login interface has a teal header with the text "CORDA Copernicus Reference Data Access". Below this is a white login box. It contains a "User:" label and a text input field with "User" inside, followed by a user icon. Below that is a "Password:" label and a text input field with "Password" inside, followed by a lock icon. To the left of the password field is a pink arrow pointing to the "Forgot password?" and "Register" links. At the bottom of the box is a blue "LOGIN" button.

CORDA Copernicus Reference Data Access

User : User

Password : Password

[Forgot password?](#)

[Register](#)

LOGIN

CORDA Membership Request

User Name:

First Name:

Last Name:

Email:

If you are not a CORDA Data Provider please note that due to data policy issues CORDA is currently only available to Copernicus services and their contractors. Under 'Explanations' please indicate in what way you are affiliated with the Copernicus services.

Are you a data provider?: ☒

Thank you !!

**You can contact CORDA team at:
corda.support@eea.europa.eu**