



In situ

The Copernicus approach

A dedicated data catalogue for Copernicus users
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In situ




I N D E X

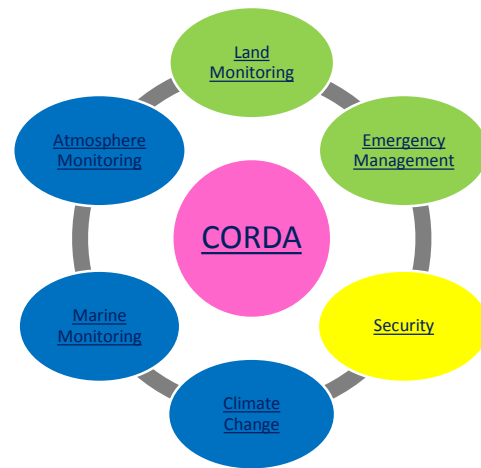
- The purpose of CORDA.
- How CORDA benefits from INSPIRE.
- Main positive impact.
- Main challenges



The purpose of CORDA

In situ

- **CO**pernicus **R**eference **D**ata **A**ccess:
 - Single entry point node.
 - National and regional geospatial data digitally available across Europe.
 - Index of URLs to the relevant reference data for Copernicus services.
 - Restricted to access by Copernicus services providers.
 - High accessibility 
 - High reliability, efficiency and sustainability through centralization 
 - Simplicity of use 





The purpose of CORDA

In situ

CORDA approach: Data location

Working



CORDA provide the link (url) to SDS, checking that they are online and working, avoiding broken and old links.

Latest additions



The system also inform us of the latest additions to the universe of data.

Filter



It eases the location of data by filtering



In situ

The purpose of CORDA

Challenges of CORDA

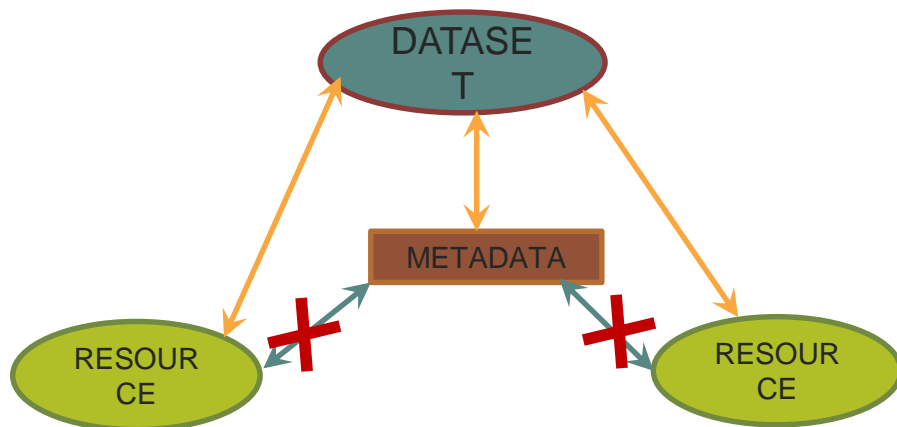
Huge amount of data distributed across Europe



Difficulties to find the data required, and to do it quickly



- Data reliability: Frequently the resources are not linked to Metadata.





The purpose of CORDA

In situ



Concepts of work

Provider



National Geographic Institute

Dataset



Topographic Map
Scale 1:25.000

Resources



WMS

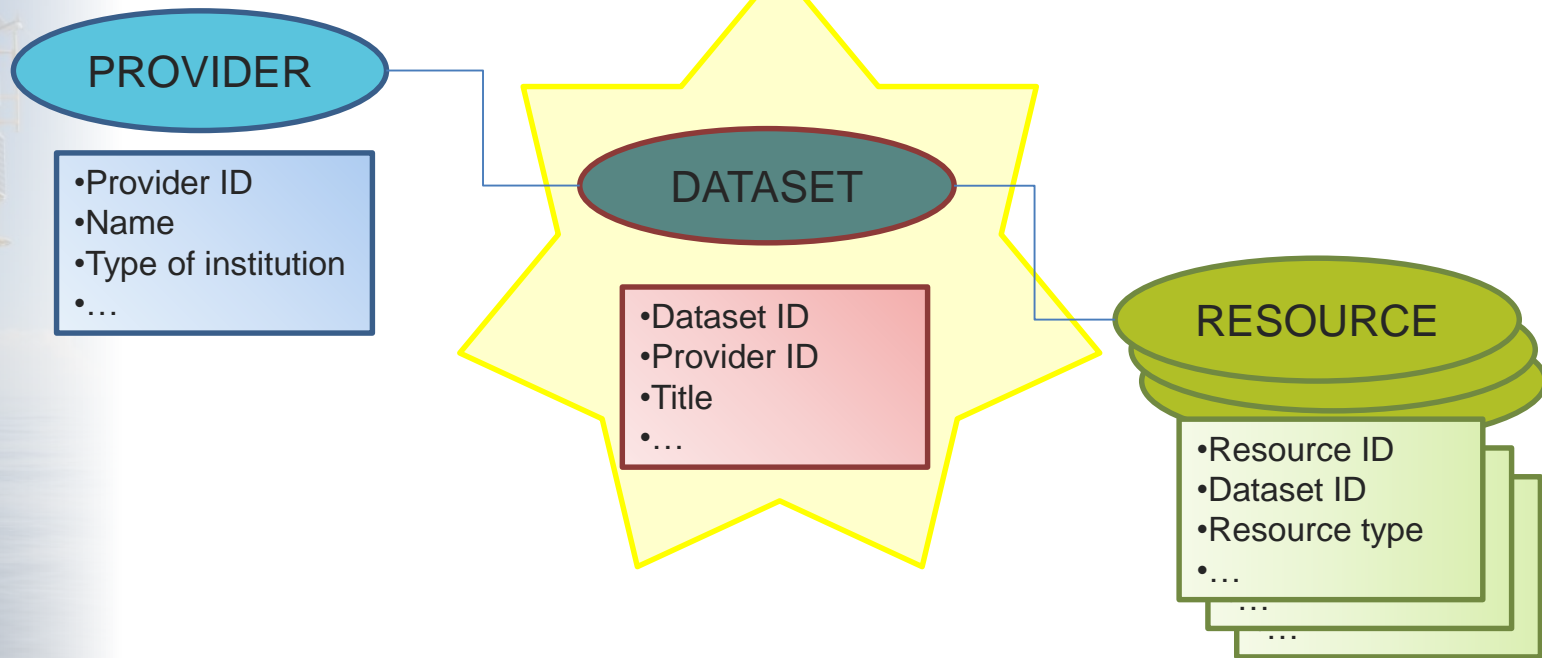
WMTS

SHAPE



In situ

CORDA Strategy





In situ

How CORDA benefits from INSPIRE

- INSPIRE has surfaced geographic information that used to be locked in different ministries and departments across Europe: Each organisation that manages geo-information, for which INSPIRE is mandatory, has to harmonise the metadata, data and services and unlock it in a standard way.
- INSPIRE obliges to make public the access conditions. These should be the same for any organization/person (no privileged access).
- Harmonization of data and description through Metadata.
- Information provided through the Inspire web page:
<https://inspire.ec.europa.eu/INSPIRE-in-your-Country>





In situ

Main positive impact

- Most of the datasets and services in CORDA have metadata that follow INSPIRE specifications, this eases reading and interpretation of the information here contained.

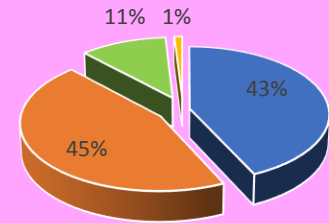


In situ

Main challenges

- Most of the available data, that covers CORDA interest is served in not downloadable formats:
 - The legends in WMS formats are png or jpg formats → difficulty in the translation to other languages.
 - WMS and WMTS services are problematic:
 - Obtaining information of the data
 - Interpretation of composed maps when several are overlapped
 - Files and vector data is difficult to use when it is not harmonised
- CSW are still not complete and discrepancies with web Catalogues can be found

% of data type in CORDA



- Files or GDB
- WMS / WMTS / MapServer
- WFS
- WCS



Thank you for your attention

In situ

CORDA

Search

Search:

Area:

Basilicata / Basilicata (ITF5)

Advanced search

Inspire theme:

Buildings

Resolution (meters):

0 100000

Scale:

0 1000000

Year:

CLEAR SEARCH

CORDA

Search

Search:

Area:

Basilicata / Basilicata (ITF5)

Advanced search

Inspire theme:

Buildings

Resolution (meters):

0 100000

Scale:

0 1000000

Year:

CLEAR SEARCH

4 Datasets found

Active View: Buildings * Basilicata / Basilicata (ITF5) * View search

Regional to European level providers

Buildings in Basilicata Region

Basilicata Region - Cartographic Center (Departmental of Environment and Territory (Italy))

VICTORFRE WFS WMS

Rappresentazione dell'edificato (massima estensione). Rappresenta la superficie dell'edificio, comprensiva di aggetti, sottopassaggi e porticati oltre che dell'effettivo ingombro al suolo.

Small Buildings Basilicata Region

Basilicata Region - Cartographic Center (Departmental of Environment and Territory (Italy))

VICTORFRE WFS WMS

Representation of smaller buildings, such as cabin, tent, chapel ... (footprint)

Provincial capital buildings

Ministry of the Environment (MATTM) (Italy)

WFS WMS

Buildings of provincial capitals. The provincial capitals represented are those relating to the year 2003.

European Settlement Map 2014

European Environment Agency (EEA) (European Bodies)

MAPSERVER UML WFS ARCGIS REST API

Refine by

Data types

- MapServer (1)
- UML (1)
- Vector Fw (2)
- WFS (3)
- WMS (4)

Area / Data providers

Data type can be selected

