The Copernicus approach

A dedicated data catalogue for Copernicus users
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• The purpose of CORDA.
• How CORDA benefits from INSPIRE.
• Main positive impact.
• Main challenges
The purpose of CORDA

• **Copernicus Reference Data Access:**
  – 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 🇬🇧
CORDA provide the link (url) to SDS, checking that they are online and working, avoiding broken and old links.

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

It eases the location of data by filtering.
Challenges of CORDA

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

Huge amount of data distributed across Europe

Difficulties to find the data required, and to do it quickly
The purpose of CORDA

**Concepts of work**

**Provider**
National Geographic Institute

**Dataset**
Topographic Map Scale 1:25,000

**Resources**
WMS, WMTS, SHAPE
The purpose of CORDA

CORDA Strategy

**PROVIDER**
- Provider ID
- Name
- Type of institution
- ...

**DATASET**
- Dataset ID
- Provider ID
- Title
- ...

**RESOURCE**
- Resource ID
- Dataset ID
- Resource type
- ...
- ...

In situ
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
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

• 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
Thank you for your attention