Copernicus experiences with harvesting/using INSPIRE data

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In situ

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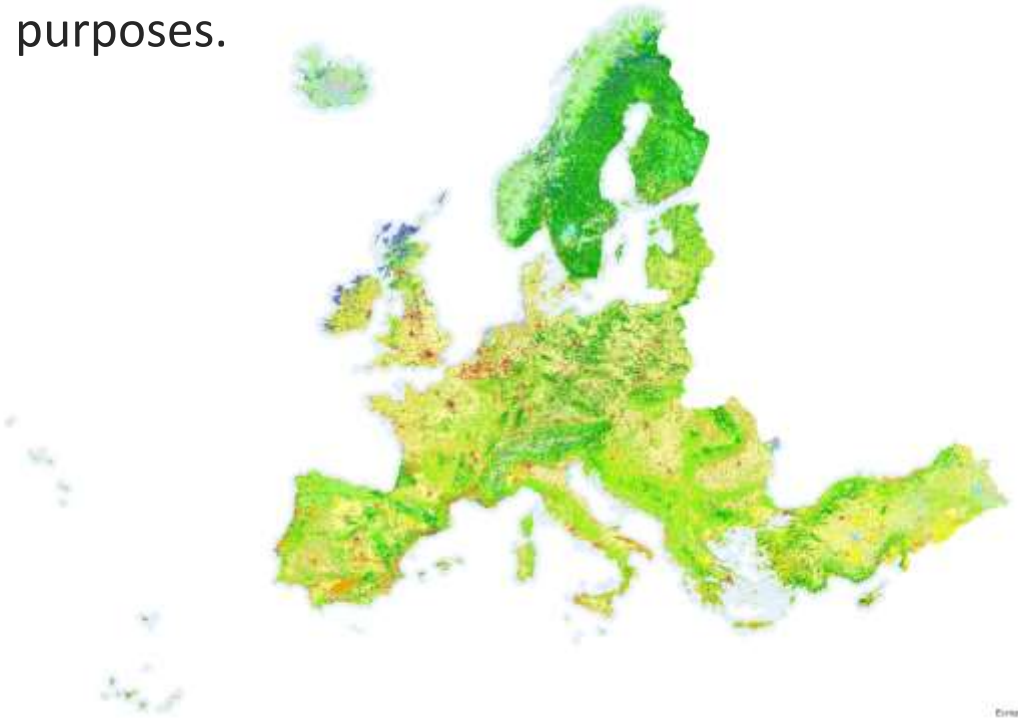
Copernicus uses geospatial information

Copernicus Services need access to **openly available**, **up-to-date** and **harmonised** geospatial information across **Europe** for production and validation purposes.

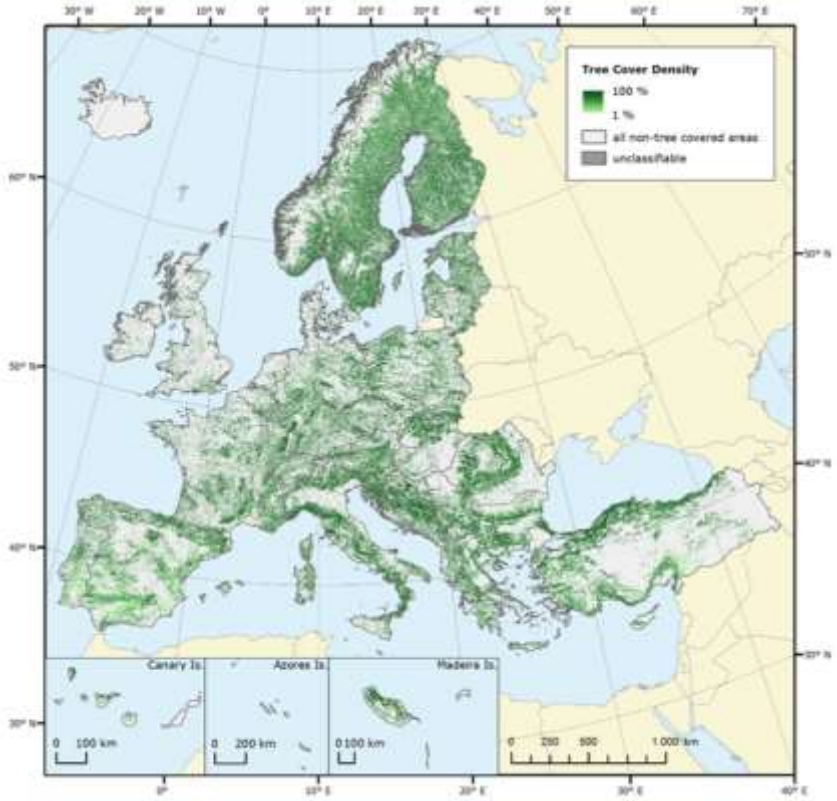


Copernicus and INSPIRE – proof of concept

Copernicus can benefit from the Member States' implementation of INSPIRE.

The EEA has made an effort to verify how feasible it is to prepare INSPIRE (Annex I) data for use by Copernicus.

'Administrative Units' was chosen as a (simple) test case.



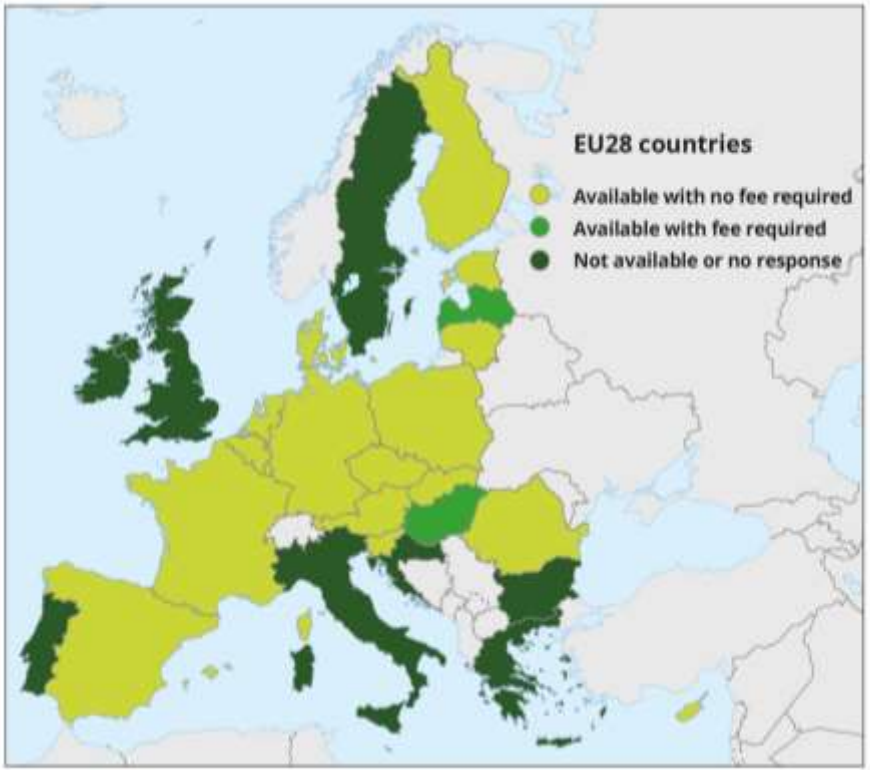
Preliminary Conclusion - the AU test

Harmonised INSPIRE data allow you to generate

- An **up-to-date** [pan-European] AU dataset, based on **authoritative** data including traceability, and in an **automated** and rather quickly manner.
- However, the approach should be tested with more complex schemas.

The analysis was completed by the CORDA Team (Geograma) spring 2018

Access to data



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At the time of the test (spring 2018) only datasets from 20 countries were available.

Despite the complexity of many INSPIRE processes, full conformance is possible and makes the use of the information easy.

Access to data

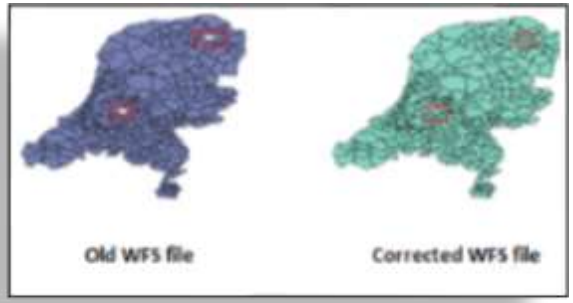
Challenges to solve:

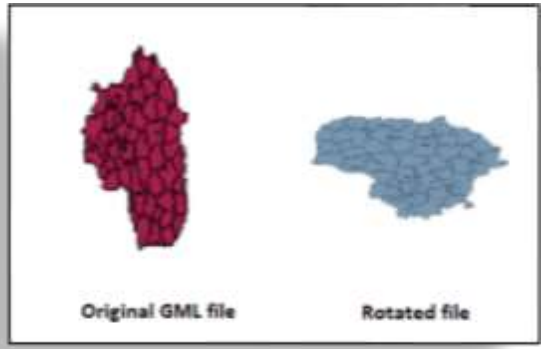
- Authentication systems;
- Web applications;
- Direct download (FTP, ATOM, Direct Link, Emails);
- Download Service (WFS).

Working with data

Main challenges:

- Missing features;
- Scale not always work;
- Understanding local knowledge;
- Organization of datasets;
- Versions of schemas.

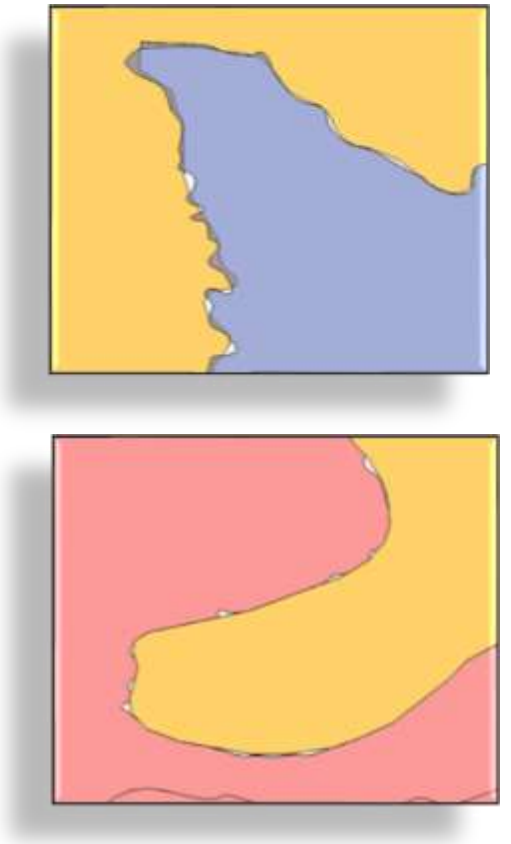




Working with data

Typical challenges:

- Data types (codes);
- Empty values;
- Misaligned borders;
- Licensing, licensing, licensing;
- And GML, of course…

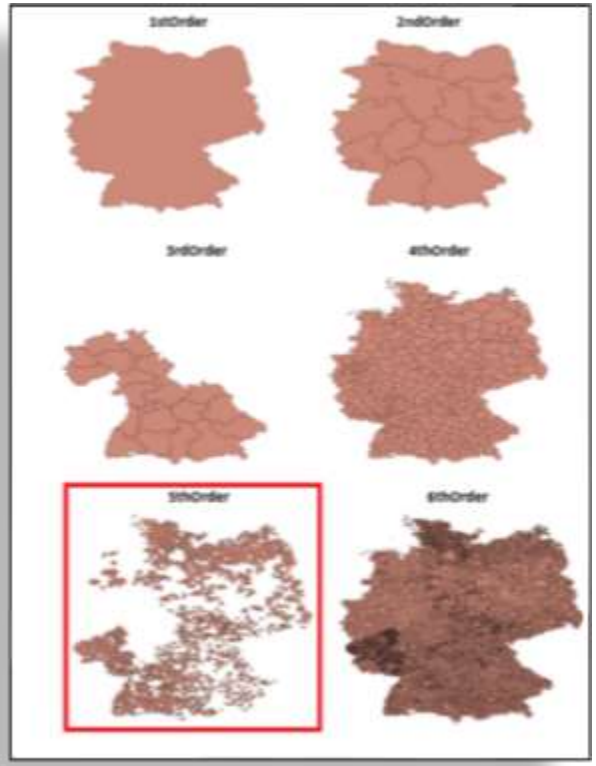


Next steps

- Explore how to detect changes automatically, to improve the maintenance of the generated datasets;
- Check the conclusions against more complex schemas;
- Once the dataset is generated, make it available in CORDA to offer the added value for the Copernicus users.

Recommendations

- Improve the **availability** of datasets;
- Facilitate **exchange of information** and experiences through bilateral dialogue with data providers, in data provider forums, and workshop and conferences;
- Put more focus on **quality** control and assurance.



Thank you for your attention

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