



In situ

Copernicus Services' access to INSPIRE compliant data and services

Henrik Steen Andersen
European Environment Agency

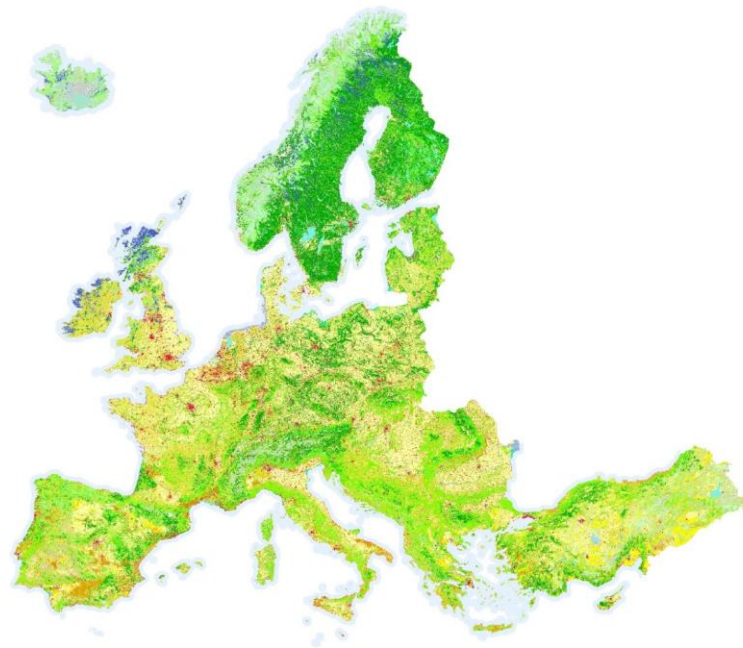




In situ

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.



INSPIRE Conference 2018





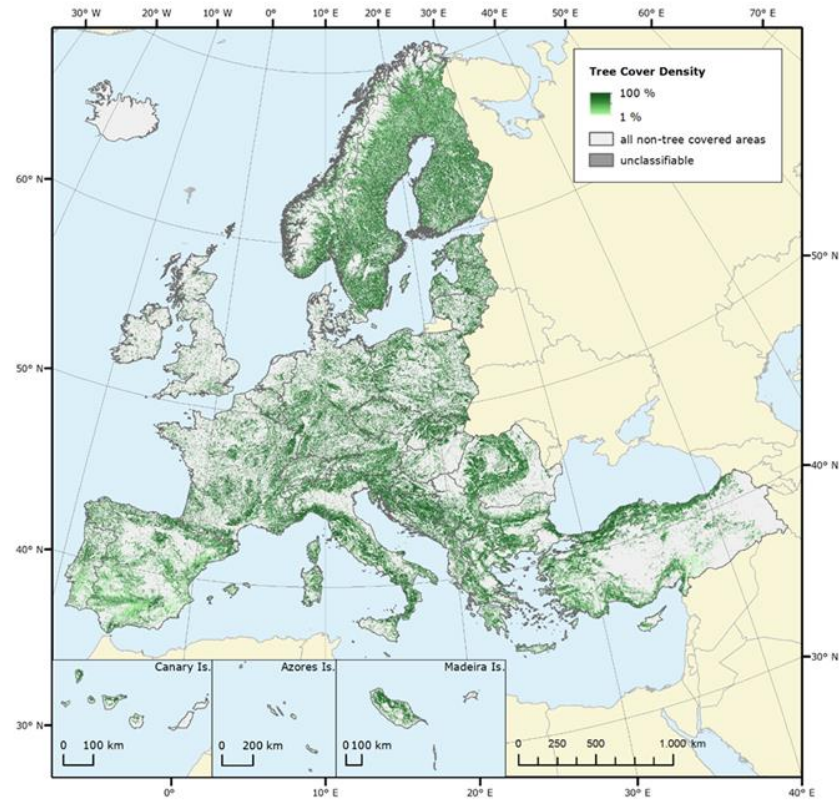
In situ

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.





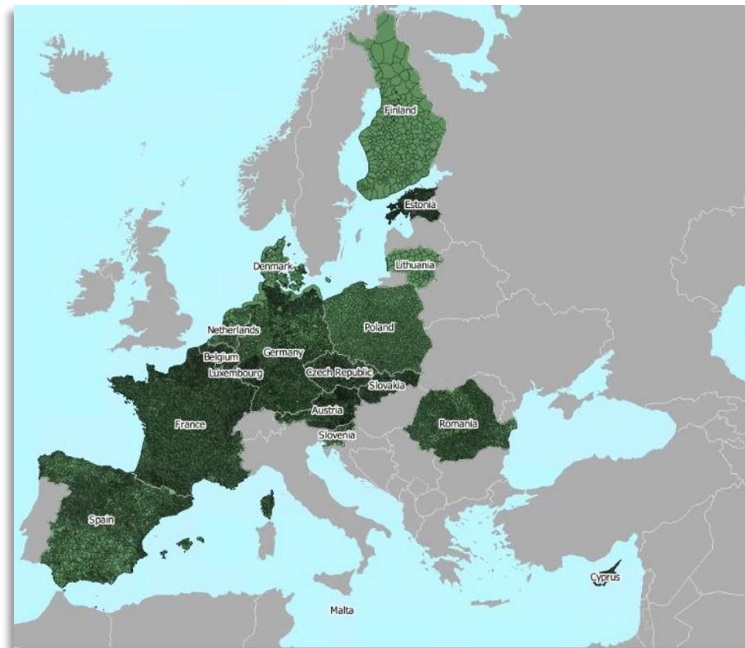
In situ

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.

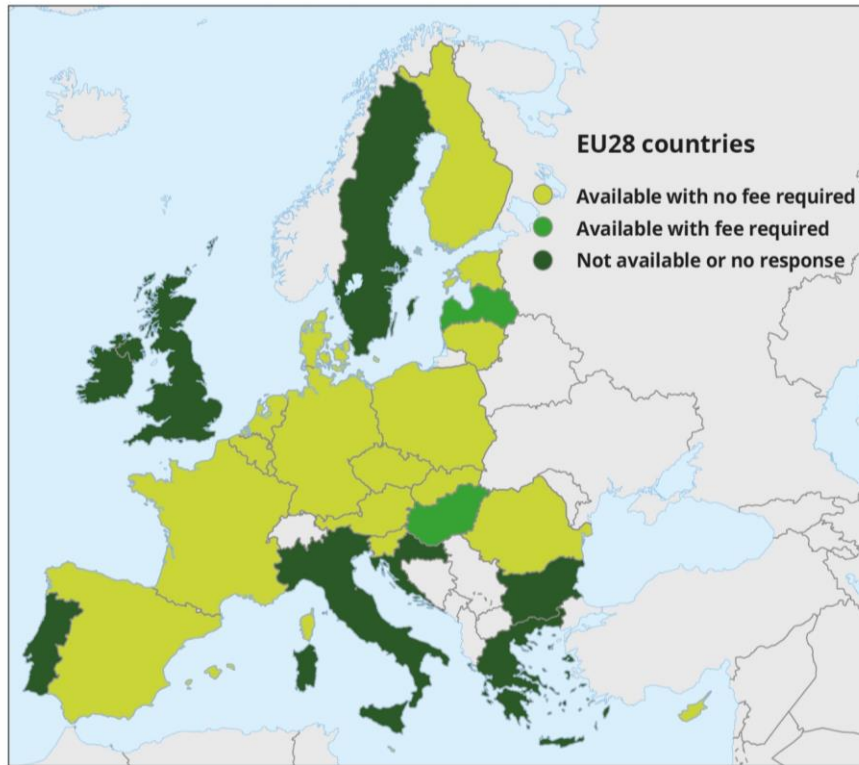


The analysis was completed by the CORDA Team (Geograma) spring 2018



In situ

We need to be aware of



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

Downloading the data was not always easy.

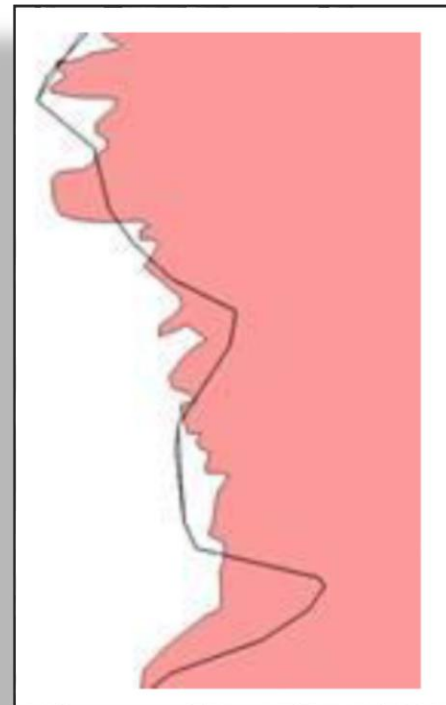
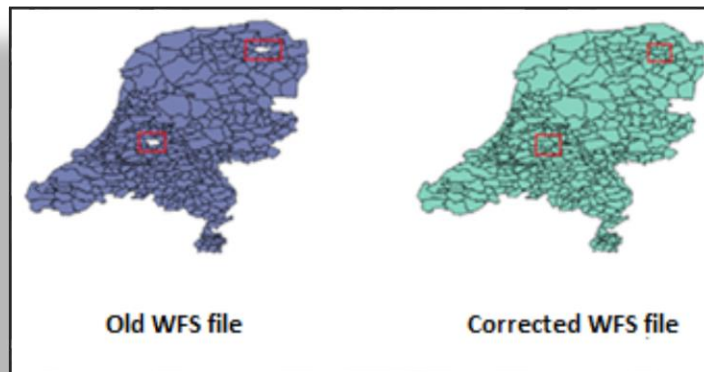
The analysis was completed by the CORDA Team (Geogram) spring 2018



In situ

We need to be aware of

- Whatever the level of harmonisation and compliance – datasets have different levels of accuracy, detail and meaning;
- Some datasets were incomplete or faulty;

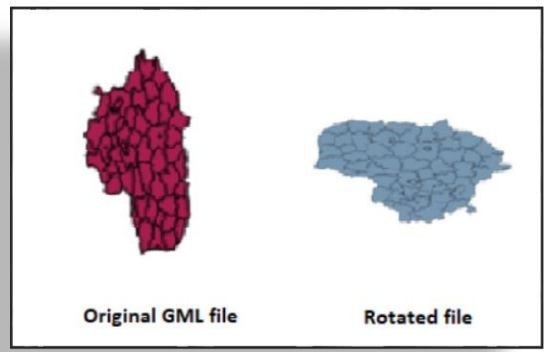
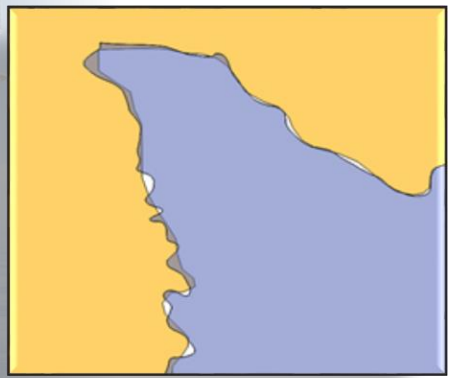




In situ

We need to be aware of

- We found inconsistencies in border regions;
- Lack of attribute values or incorrect definitions





In situ

We need to be aware of

- The INSPIRE Validator helps you understand better the particularities of each dataset;
- The datasets analysed have different levels of harmonization which affect interoperability;
- Working with harmonised data is very feasible once the initial barriers are overcome;
- Handling fees may be a barrier against efficient use.

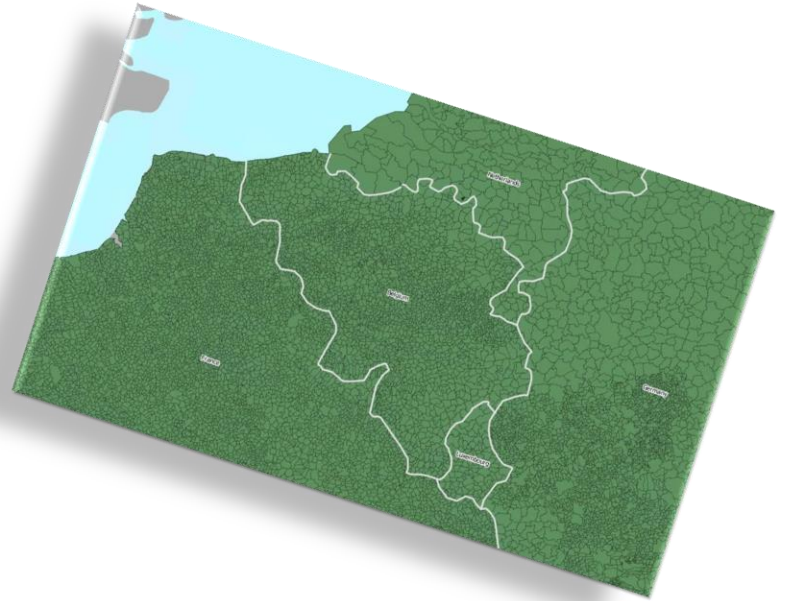




In situ

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.

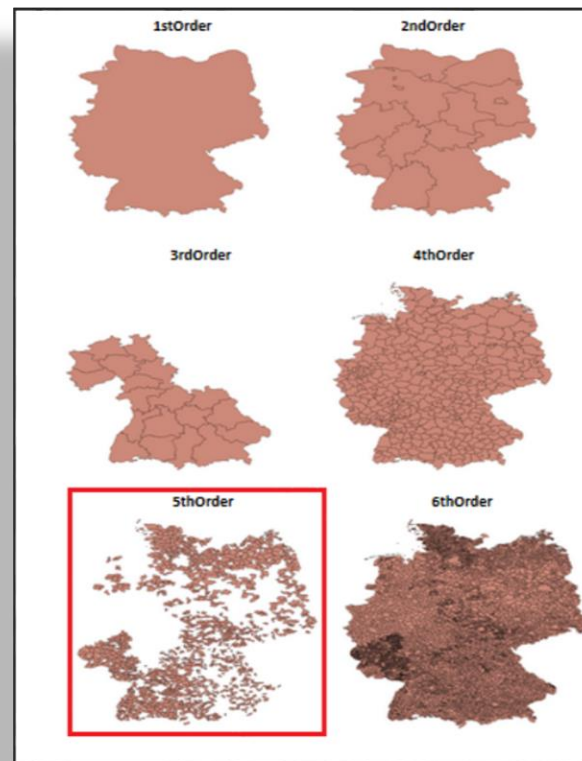




In situ

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.





In situ

Thank you for your
attention

