Extending open geodata to meet e-Reporting Obligations

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About Us

Company Offerings:
- Software as a Solution for agile standardisation and spatial data infrastructures with Hale Connect.
- Professional Support and Consulting for Data Harmonization with Hale Studio.
- Research Data Management

We support INSPIRE since 2006, and have completed over 200 projects with 50+ customers.
What will this presentation address?

1) **The Case** at hand and why e-Reporting should be linked to the INSPIRE directive.

2) **The methodology** proposed.

3) **The Solution** used, **the challenges** faced and how they were overcome.
Did you know?

70% of project times for usual data tasks are taken up only by data harmonization.
What is **INSPIRE**?

- **2,600** Environment Agencies
- **8,000** Mapping Authorities
- **1,000** Private Companies

... a central platform for reporting.
The Linked Method

CDDA Standards
- Type 1 Protected Sites INSPIRE Data
- Type 2 CDDA E-Reporting Data

INSPIRE Data

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- Organization and User Management
- Automated processes, publishing and validation.
- Metadata Validation and Generation
- Variable deployment models
- Scalable and robust
General Challenge

- Risky
- Complicated
- Time-consuming

Caused by incongruencies

Over and underspecification

(Open) Standard
Solution: Hale Connect

- Low Risk
- Cost-effective
- Fast

Interactive and Iterative Development, Reusable Integrations

(Open) Standard

Data-Driven Design for better Standard Compliancy
Case-Specific Challenges

- Data Security and Maintenance
- Type 2 Data Schema Issues
- Transformation Alignment Set-up
Conclusion

The key requirements for this project were fulfilled. The main challenges lay in the somewhat unusual structure of the Type 2 XML schema, and in creating the two linked files in one process. However, it would now be easy to set up the same process for additional reporting themes. Data managers can either provide existing WFS services or just upload any files they might have, such as Shapefiles, File Geodatabases or GeoJSON.
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