INSPIRE Quality Management – GDI-DE Testsuite

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Daniela Hogrebe
Federal Agency for Cartography and Geodesy
Coordination Office SDI Germany
Overview

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Motivation and Objectives

- Ensure interoperability within GDI-DE (common tool)
- Support implementation of INSPIRE (common interpretation of INSPIRE specifications)
- Facilitate and automate INSPIRE Monitoring (conformity indicators)
Scope and Requirements

- Publicly available software for automated testing the conformity of data sets and services with standards
- Quality management within GDI-DE
- Fulfilling INSPIRE Monitoring
Fulfilling INSPIRE Monitoring

- Geodaten-katalog-DE
- GDI-DE Testsuite
- Surveys etc.
- Geoportal-DE
- Monitoring
  - List Data & Services
  - Annex I, II & III
  - Indicators
  - Registry-DE
  - Report

Data Set/Service

publishing

testing

6/25/2010
INSPIRE quality management - GDI-DE Testsuite
Scope and Requirements

- Compliance tests for service types and conformity classes
  - INSPIRE Metadata (schema-validation)
  - OGC CSW 2.0.2 AP ISO 1.0 / INSPIRE Discovery Service
  - OGC WMS 1.1.1, 1.3.0 / INSPIRE View Service / GDI-DE profile WMS-DE_1.0
- Existing test environments have to be integrated
- Extension through new tests in the future
- Integration into different infrastructures
  - Use online at www.gdi-de.org (Geoportal-DE in the future)
  - Installation and use in local environments
- API as web service for using tests in other applications/environments
- Software is public available
## Milestones

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>31 July 2010</td>
<td>Acceptance of tender</td>
</tr>
<tr>
<td>30 September 2010</td>
<td>Detailed concept</td>
</tr>
<tr>
<td>31 January 2011</td>
<td>Software Release 1.0</td>
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<tr>
<td>Mid 2011</td>
<td>Software public available</td>
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Test Suite for OGC CSW 2.0.2 AP ISO 1.0 (Version 2.0)

- with INSPIRE Conformance Test Level
- including tests for the service-/data-coupling
Submit the GDI-DE Testsuite to **OGC Compliance Testing Program**

Establish **Certification** Process (‘GDI-DE compliant’, ‘INSPIRE compliant’)

**Further Development / Extension**
- OGC WFS / INSPIRE Download Service
- Validation of data sets (schema-validation, content-validation)
- …

**Collaboration** within the GDI-DE and INSPIRE network
Conformity testing won’t ensure interoperability completely. But the level of interoperability will increase.
Questions?

Daniela Hogrebe
Federal Agency for Cartography and Geodesy
Coordination Office SDI Germany

mail@gdi-de.org
http://www.gdi-de.org