MIWP-6: Registers
Conceptual and technical experiences of the INSPIRE Registry RoR implementation, a case study from Austria

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Short view on MIWP 6 - Registers

Among other things, task MIWP-6\(^6\) of the draft INSPIRE maintenance and implementation work programme aims at

- Developing technical guidelines and best practices explaining how to build registries and how to link them to EU registry and vice versa.
- Setting up a test-bed for connecting national registries to the central INSPIRE registry
- Setting up a registry of registries that contains metadata for registries/registers in the Member States

- more than 20 members
- 18 virtual meeting, incl. webinars, almost monthly
- Based on:
  - initial workshop ‘14
  - initial Architecture study
Short view on MIWP 6 – Registers #results
MIWP 6 – Registry RoR implementation for Austria

4 types of INSPIRE code lists according to extensibility:

a) not extensible – [none]

b) narrower extensible for more detailed values - [narrower]  Use Case II

c) freely extensible – [open]

d) empty – [any]  Use Case I

For code lists of types (b), (c) and (d), additional values have to be published in a register

Register of “national” Registries (RoR) = Federation Register
MIWP 6 – Registry AT Implementation

http://registry.inspire.gv.at/codelist
MIWP 6 – Federation Register / RoR Register of Registers

Use Case I

registry.inspire.gv.at/LISA
reliesOn inspire.ec.europa.eu/codelist/LandCoverClassValue

Use Case II

resource.geolba.ac.at/lithology
reliesOn inspire.ec.europa.eu/codelist/LithologyValue
## Registries

<table>
<thead>
<tr>
<th>Label</th>
<th>Publisher</th>
<th>URI</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSPIRE registry</td>
<td>European Commission, Joint Research Centre</td>
<td><a href="http://inspire.ec.europa.eu/registry">http://inspire.ec.europa.eu/registry</a></td>
</tr>
<tr>
<td>Spanish Registry - Test version</td>
<td>Instituto Geográfico Nacional</td>
<td><a href="http://www.iede.ee/register-inspire">http://www.iede.ee/register-inspire</a></td>
</tr>
<tr>
<td>Austrian INSPIRE registry</td>
<td>CCCA Data Centre</td>
<td><a href="http://registry.inspire.gv.at">http://registry.inspire.gv.at</a></td>
</tr>
<tr>
<td>Lithological Classification Austria - Test</td>
<td>Geological Survey of Austria</td>
<td><a href="http://resource.geolba.ac.at/lithology/0">http://resource.geolba.ac.at/lithology/0</a></td>
</tr>
</tbody>
</table>

MIWP 6 – Registry RoR

Outcome & Future

INSPIRE Registry (Re3gistry) and RoR
  • convert to RDF,
  • re-use of existing (RDF) vocabularies
  • link a content (vocabulary) to other sources
  • promote the semantic interoperability

Maintenance?
  • gaps (will be) identified, e.g. relation from value to value[extern]
  • nice to have requirements for add-ons, e.g.:
    • RoR on national level, Re3gistry harvesting
    • able to handle the whole rdf/skos relations (support a triple store)

Benefits
  • national extensions are visible,
  • easy to provide a vocabulary
  • Vocabulary management (short term future)
http://registry.inspire.gv.at/codelist


Thank you!

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