Metawal
Geodata Catalog of Wallonia (BE)

Moving toward INSPIRE Technical Guidance 2 conformity using GeoNetwork

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Metawal: Overview

- 1073 metadata (831 published)

- Currently used as « backend interface » [http://metawal.wallonie.be/](http://metawal.wallonie.be/)


ISO 19115-3 is the metadata standards used

• Since 2019 (GN 3.4)
• Main arguments (see previous talks at INSPIRE conferences)
  • Better identification of metadata records (ie. Landing page URL)
  • Tracking life cycle details (eg. Superseded date)
  • Connecting documentation (eg. LYR, QML, SLD)
  • Better description of associated records (eg. Series/composedOf/...)
  • Licence
  • Data quality to evaluate usage
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• First, the CSW GetCapabilities
• Create portal INSPIRE
Moving toward INSPIRE TG2 conformity / CSW

• Create portal INSPIRE
• Then define the filter
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• Create portal INSPIRE
• Then define the filter
• Then **choose the service metadata record to use for the GetCapabilities**

Full control on:
• Keywords
• Temporal extent
• Multilingual
• Conformity statement
Moving toward INSPIRE TG2 conformity / Update records & encoding

• Actions
  • Add a spatial scope
  • Use Anchor (eg. Keywords, format, spatial data service type)
  • Quality section : Reference to legal documentation
  • Number with 2 decimals!
  • Constrains cleanup
  • Projection system cleanup

To make it all
INSPIRE TG2 valid
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• Possibilities
  • DB update using SQL (fast, limited because operates on text not xml, requires DB access)
  • XSL update (need a developer and an application update, fully customizable)
  • Batch editing from the interface (requires some XPath knowledge, can't do all but can do some)
Eg. Batch editing to add service type using Anchor

- iso19115-3.2018
  - Advanced mode (XPath)

  Updating records using XPath needs careful definition of the changes. A change is defined by:
  - an optional title
  - a type of update
  - a mandatory XPath to point to the element(s) to update. XPath can not contain a filter expression.
  - a value which could be an XML snippet if the mode is not delete

  ```xml
  <gco:ScopedName xmlns:gco="http://standards.iso.org/iso/19115/-3/gco/1.0"
                   codeSpace="http://inspire.ec.europa.eu/metadata-codelist/SpatialDataServiceType">view</gco:ScopedName>
  ```

AddCodeSpaceToServiceType

Replace the element or value (in the first matching parent)

```
../../srv:serviceType
```

```xml
<gco:ScopedName xmlns:gco="http://standards.iso.org/iso/19115/-3/gco/1.0"
                 codeSpace="http://inspire.ec.europa.eu/metadata-codelist/SpatialDataServiceType">view</gco:ScopedName>
```
Eg. Generic **XSL process to move keywords to Anchor**

![Diagram of XSL process](image-url)
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• Improvements to the GeoNetwork documentation
  • Migrating from Technical guidance version 1.3 to version 2.0
  • Batch editing examples
After all this, still some red

INSPIRE ETF validation not flexible on some points
Eg. URL pointing to DB or LAN files, contact without an email

Solution: INSPIRE CSW endpoint post process

http://metawal.wallonie.be/inspire/fre/csw

Removing db links
Contact with no mail
Thank you!
That was our quest to Full TG2 compliancy!