Metawal
Geodata Catalog of Wallonia (BE)

Moving toward INSPIRE Technical Guidance 2 conformity using GeoNetwork

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Service public de Wallonie secrétariat général

Metawal : Overview

- 1073 metadata (831 published)

- Currently used as
  « backend interface » http://metawal.wallonie.be/

- Wallonia geoportal expose public
  records http://geoportail.wallonie.be/catalogue-
  donnees-et-services

- INSPIRE end point for the Wallonia region

http://geoservices.wallonie.be/metawal/csw-inspire
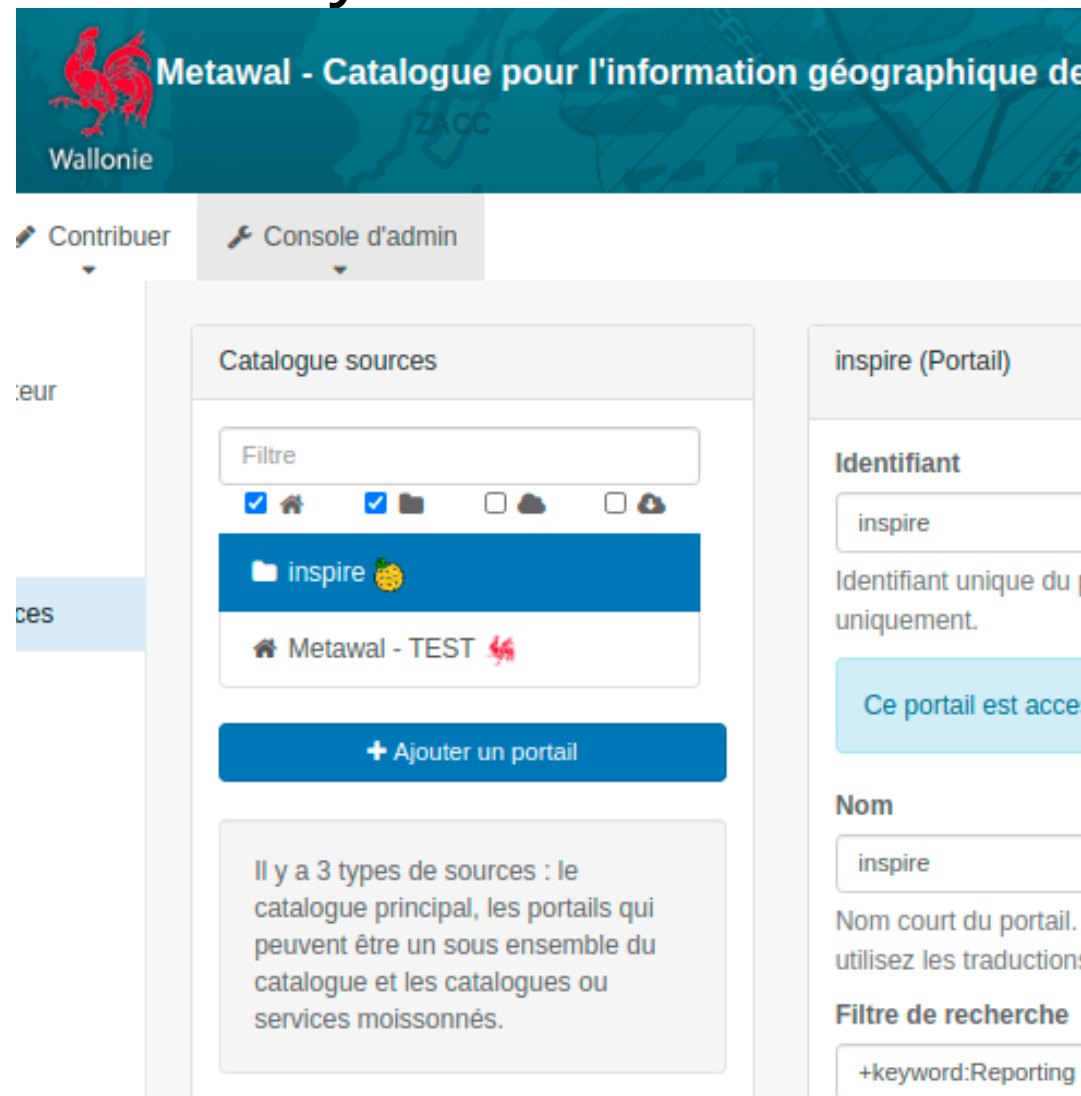

Applications
4%

Services
40%

Datasets
42%

Series
14%
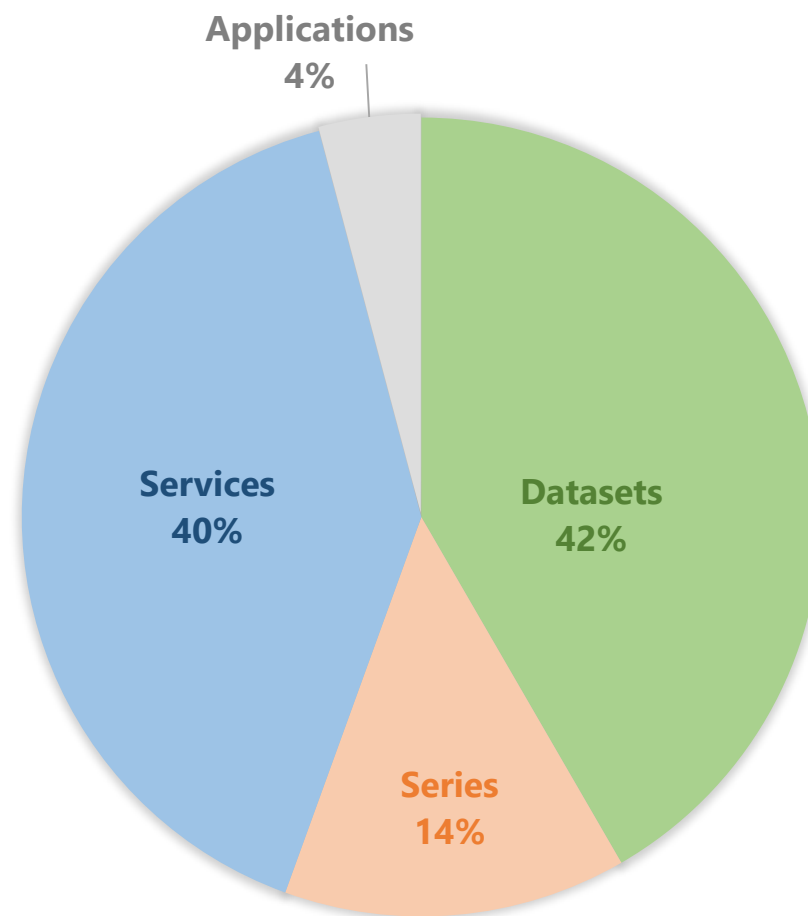
ISO 19115-3 is the metadata standards used

- 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 Superseded date)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

Moving toward INSPIRE TG2 conformity / CSW

- First, the CSW GetCapabilities
- **Create portal INSPIRE**

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Moving toward INSPIRE TG2 conformity / CSW

- Create portal INSPIRE
- **Then define the filter**

Nom

inspire

Nom court du portail. Doit être composé de lettres, nomb
utilisez les traductions pour ajouter un libellé long à affic

Filtre de recherche

+keyword:Reporting INSPIRE

Critère de recherche à ajouter à toutes les recherches fa
expression Lucene . eg. +keyword:inspire

Logo

Moving toward INSPIRE TG2 conformity / CSW

- 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**

User interface configuration

See user interface tab to create new configuration.

Record to use for GetCapabilities

| 0beee14d-aa34-46ba-9f43-de5cf230 | INSPIRE - Service de découverte pour la Wallonie | 🔍 ▾ |

Choose the record to be used to build custom GetCapabilities document. If none exist, create a service metadata record (using ISO19139 or 19115-3 standards). To have a capabilities document with the main information required, set title, abstract, point of contact, keywords, constraints. If you need INSPIRE support also set properly the record main language and additional languages, INSPIRE themes and INSPIRE conformity.
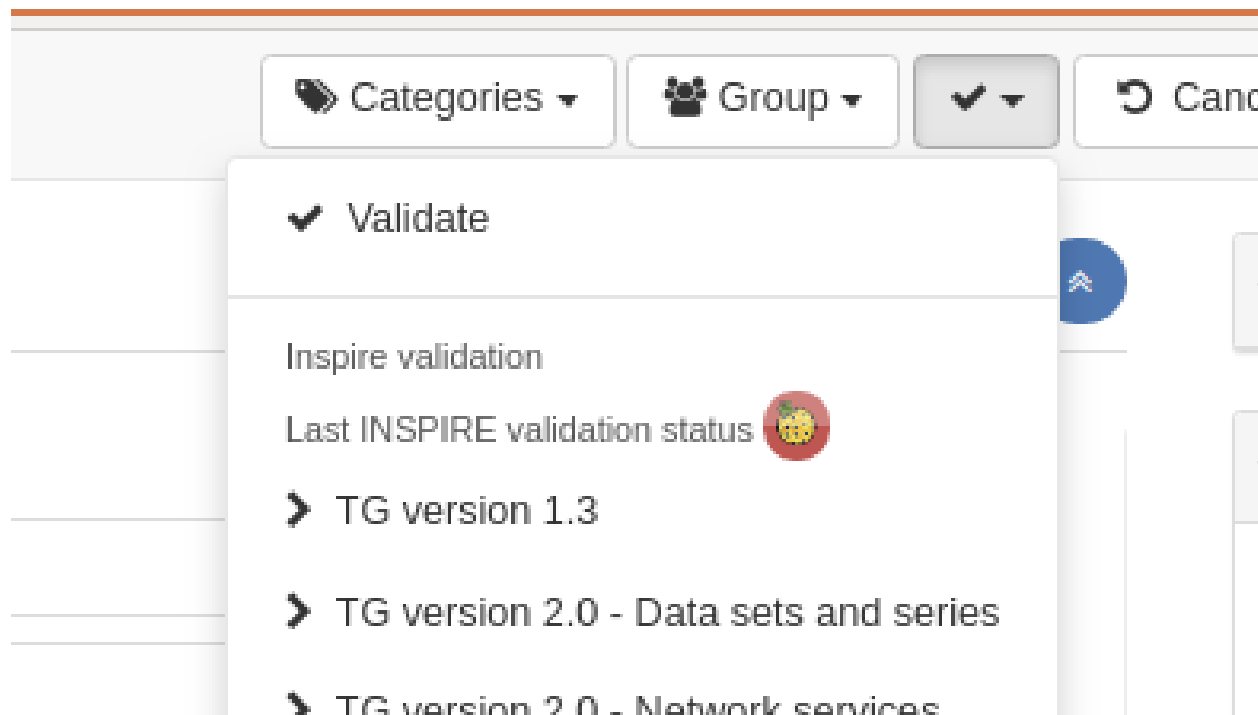
User admin group

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

Moving toward INSPIRE TG2 conformity / Update records & encoding

- 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 ✓
>
> AddCodeSpaceToServiceType
>
> Replace the element or value (in the first matching parent)
>
> .//srv:serviceType
>
> <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](#)

POST /{portal}/api/0.1/**process**es/{**process**} Apply a **process** to one or more records

Process a metadata with an XSL transformation declared in the metadata schema (See the process folder). Parameters sent to th

Parameters

Name	Description
process string (path)	Process identifier `move-keyword-to-anchor`
uuids array [string] (query)	Record UUIDs. If null current selection is used. **Add item**
bucket string (query)	Selection bucket name `e101`
updateDateStamp boolean (query)	If true updates the DateStamp (or equivalent in standards different to ISO 19139) field in the `false ▾`
index boolean (query)	Index after processing `true ▾`

Execute

Moving toward INSPIRE TG2 conformity / Update records & encoding

- 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
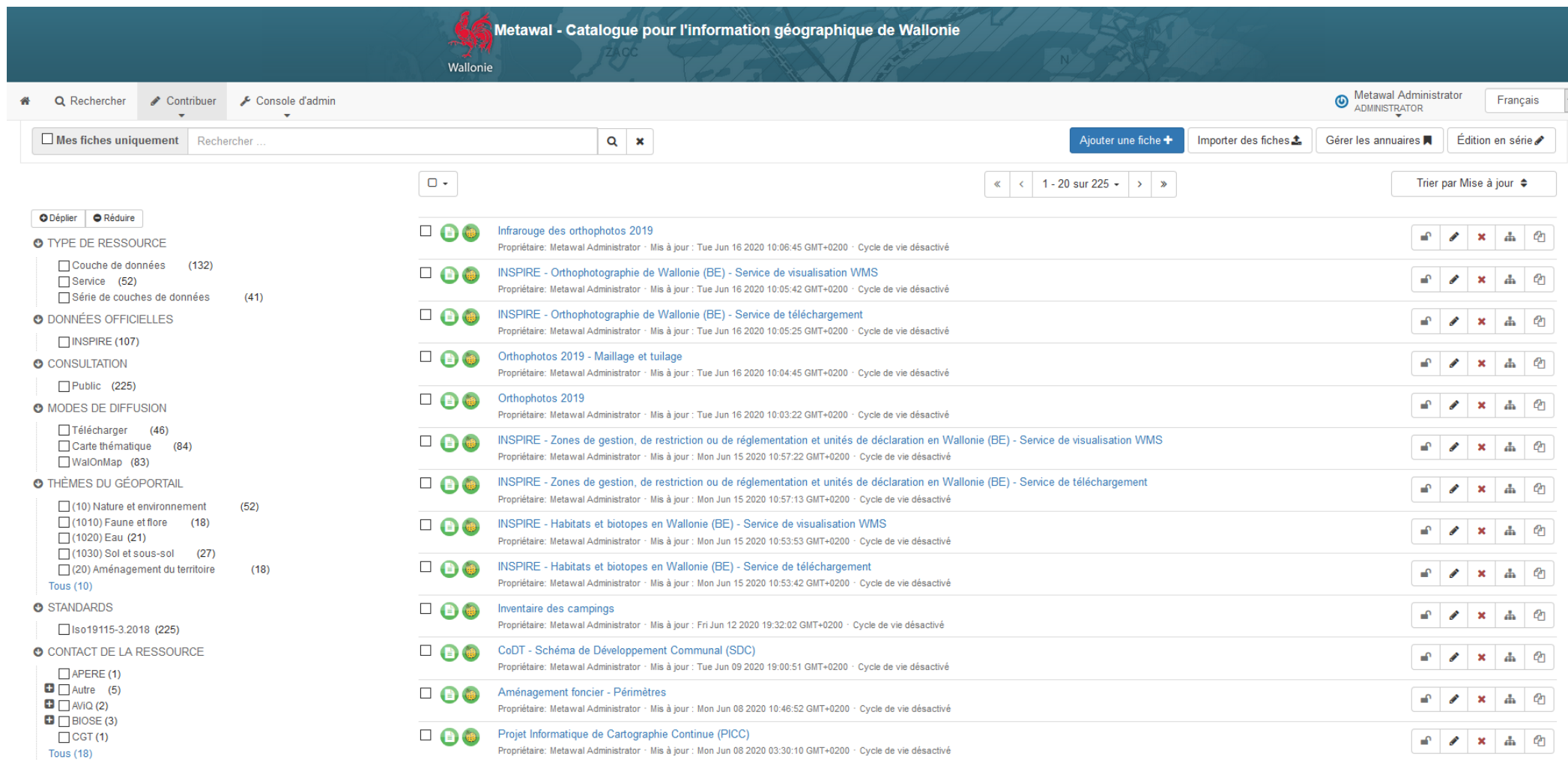
Solution: INSPIRE CSW endpoint post process

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

ISO19115-3 → ISO19139 → (Removing db links, Contact with no mail) → ISO19139 For INSPIRE

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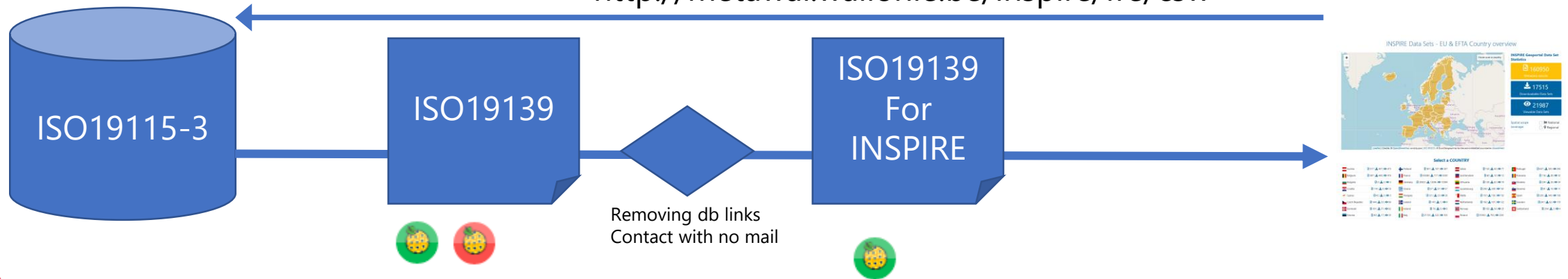
Thank you!
That was our quest to Full TG2 compliancy!