



INSPIRE Validation – News & ongoing activities

JRC INSPIRE Team

62nd INSPIRE MIG-T Meeting – July 2, 2020

INSPIRE Validator @ INSPIRE Conference

- Webinar “INSPIRE Reference Validator: Status & next steps” on June 9:
 - the most attended webinar of the whole conference – 305 people 🎉
 - slides & videos available online

Session: INSPIRE Reference Validator: Status & next steps

Date: Tuesday, June 9, 2020 - 09:00

Chair: Marco Minghini

 [Video](#)



Title	Presenter	View Presentation
Introduction to the INSPIRE Reference Validator, community space, current & future work	Marco Minghini, Fabio Vinci, Michael Lutz, Lorena Hernandez, Fabiano Spinelli, Daniele Francioli, Lukasz Ziembra	Download Presentation
Hands-on session: deploying the INSPIRE Reference Validator and using the API	Carlos Palma Zurita, Enrique Soriano, Juan Martín Pelegrina, Daniel Navarro Cueto	Download Presentation

INSPIRE Validator – Release planning

- The version of the Validator used for Monitoring 2020 will be released in [September 2020](#).
- The version released in September will not introduce any breaking change, i.e. the version released in [June 2020](#) can be already used for preparing MD for Monitoring 2020.

Annual releases

- **v2020.1 - 15/03/2020**: it includes both breaking and non-breaking changes.
- **v2020.2 - 15/06/2020**: it includes both breaking and non-breaking changes.
- **v2020.3 - 15/09/2020**: it only includes non-breaking changes, so that any INSPIRE resource passing the test in the previous release automatically passes the same test in this release. This release is the one used for the end-of-year Monitoring process.
- **v2021.b - 15/09/2020**: it includes both breaking and non-breaking changes which are planned to become effective (for Monitoring purposes) in the following year.
- **v2021.0 - 15/01/2021**: it includes both breaking and non-breaking changes, including those available in the beta instance of the previous year.

INSPIRE Validator – Latest release

- v2020.2 released on June 24:
 - new ATS/ETS on MD 2.0 for Monitoring
 - several bugfixes
 - training material
 - deployment instructions using Docker
 - source code

<https://github.com/inspire-eu-validation/community/releases/tag/v2020.2>

v2020.2 24/06/2020

Edit

The version published at this time contains breaking and non-breaking changes.

New Features

ATS:

- [ATS for MD 2.0 Monitoring Metadata](#)

ETS:

- [ETS for MD 2.0 Monitoring Metadata](#)

Bugfixes

- [#100](#) multiple hierarchyLevel allowed for MD2.0 - [#470](#)
- [#252](#) Add missing crs into at36-getcapabilities-layer-bounding-box error message - [#468](#)
- [#254](#) Added exceptions for harmonised layer names - [#466](#)
- [#255](#) Allow to identifiers be repeated in different layers if they refer to the same dataset - [#467](#)
- [#272](#) Added monitoring metadata test - [#450](#)
- [#275](#) MD2.0 SDS 3.6 Premature end of file - [#453](#)
- [#277](#) multiple hierarchyLevel allowed for MD2.0 - [#451](#)
- [#278](#) Incorrect error message on MD2.0 test C.18 - [#449](#)
- [#288](#) Update 'help' link button
- [#304](#) Relaxed "wfs" prefix requirement for Pre-Defined WFS and for Direct WFS. - [#469](#)
- [#316](#) multiple electronicMailAddress allowed for MD2.0 C.6 - [#455](#)
- [#318](#) Fix duplicate dataset UID - [#473](#)
- [#319](#) Change https INSPIRE URIs into http URIs for C.17 & C.18 - [#472](#)
- [#331](#) Conformity to ISO 8601:2004 for all the relevant TG v2.0 requirements - [#474](#)

Documentation





- Updated [Training Material](#)
- Added [2020 Online INSPIRE Conference webinar](#)

Deployment instructions

```
docker run --name inspire-validator -d -p 8080:8080 -v ~/etf:/etf docker.pkg.github.com/inspire-eu-validation/community/inspire-v
```

For further configuration, please download the file inspire-validator-2020.2.zip and follow the instructions in the README.md file inside the .zip file.

Assets 4

 ets-repository-2020.2.zip	1.85 MB
 inspire-validator-2020.2.zip	165 MB
 Source code (zip)	
 Source code (tar.gz)	

ATS/ETS for Annex II/III Data Specifications

- Definition of the **order of themes** for which ATS/ETS will be developed
- Current situation:

Order	Data Theme	Link to ATS	Link to ETS
1	AM	ATS	ETS
2	LU	ATS	

- Suggestions:
 - please **monitor the GitHub issue** for the updated picture
 - **test** the new ATS/ETS
 - data sets from Annex II/III can already be tested against **cross-cutting requirements**

<https://github.com/inspire-eu-validation/community/issues/336>

Order	Data Theme	Number of data sets (May 2020)	Number of Priority data sets (May 2020)
1	AM	4191	515
2	LU	68415	36
3	NZ	1360	257
4	EF	1092	180
5	SD	2142	77
6	BU	1098	1
7	HH	667	227
8	US	1725	66
9	HB	1199	86
10	GE	1852	43
11	LC	1096	38
12	PF	419	96
13	EL	3764	2
14	OF	482	15
15	SR	285	18
16	BR	206	21
17	OI	1148	3
18	AC	316	9
19	SU	439	6
20	PD	209	11
21	SO	961	2
22	AF	216	8
23	MR	217	3
24	MF	311	2
25	ER	279	2

New INSPIRE Validator User Interface

ETF - Staging deployment for testing purposes

Start test Status Test reports About Help

Executable Test Suites

To start a Test Run, select one or multiple Test Suites with a click on the flip switches on the right-hand side ("use") and press the "Start" button that appears once at least one Test Suite is selected. Please note that the Test Suites are only applicable to certain Test Object types and therefore not all Test Suites are combinable for a Test Run. Additional information about a Test Suite will be shown with a click on the plus button.

Filter items...

- View Services - WMS and WMTS (TG version 3.11)
 - Conformance Class: View Service - WMS use
 - Conformance Class: View Service - WMTS use
- Download Services - WFS and ATOM (TG version 3.1)
 - Conformance Class: Download Service - Direct WFS use
 - Conformance Class: Download Service - Pre-defined Atom use
 - Conformance Class: Download Service - Pre-defined WFS use
- Download Services - SOS (TG version 1.0) - BETA
 - Conformance Class: Download Service - Pre-defined SOS use
- Download Services - WCS (TG version 1.0) - BETA
 - Conformance Class: Download Service - WCS Core use
- Discovery Services - CSW (TG version 3.1) - BETA
 - Conformance Class: Discovery Service - CSW Core use
- Metadata (TG version 1.3)
 - Conformance class: INSPIRE Profile based on EN ISO 19115 and EN ISO 19119 use
 - Conformance class: Metadata for interoperability use

new INSPIRE-based UI under development



European Commission English Search

European Commission > INSPIRE > Validator > Test selection

INSPIRE Validator - Test selection

Test your INSPIRE data, services and metadata

Home Test selection Test reports Help and documentation More on the Reference Validator

Configure your test

Select the type of INSPIRE resource you would like to test *

- Metadata
- View Service
- Download Service
- Discovery Service
- Data set

Select the version of the technical guidelines to be tested *

- Version 1.3 of the Technical Guidelines
- Version 2.0 of the Technical Guidelines

What type of metadata records will you be testing? *

- Data set
- Network Service
- Spatial Data Service

Advanced options

Provide the resource test

Select the input type and provide the datasource to fetch the resources to test *

The system can process multiple files at once. You can provide a link compressed ZIP file or service operation with request to one or more records/features

File upload

Upload file*
This is the input's helper text.
Maximum size is 5 MB.
Encrypted documents and those containing macros are not accepted.

Provide a label for your report (optional)

Start >



INSPIRE Validator – Tool for bulk validation of metadata

- The tool for bulk validation of metadata used for Monitoring 2019 has been published as an [open source software](#) under the EUPL.
- A new version of the tool based on the 2020 Monitoring ‘rules’ will be shared before mid-September.
- Please setup and use [your own instance of the Validator](#) to test your metadata!

Bulk processing tool for the INSPIRE Reference Validator

This software tool allows for validation of large numbers of metadata records using the API of the [INSPIRE Reference Validator](#). It was developed to support INSPIRE Monitoring & Reporting activities. The tool was built with [Pentaho Data Integration Community Edition](#) platform which is required to use it.

INSPIRE Validator – Network of NCPs

- Closed Action 2017.4 on Validation and conformity testing.
- Open call for nominations of national validation experts to be included in the **network of National Contact Points** focused on validation:
 - maintainers of national validators / experts in INSPIRE Validator
 - main tasks:
 - staying up-to-date on the latest developments of the Validator
 - **monitoring the issues** raised in the Validator helpdesk and **providing expert feedback**
 - contributing to **testing** new developments of the Validator
 - **promoting the use of the Validator** at the national level and report on national efforts
 - **advising** on the long-term sustainability of the Validator
 - 18 experts nominated from 12 countries: ES, CZ, SE, DE, BE, FI, NL, PT, SK, FR, HU, IT.
 - **Kickoff meeting** during the week of July 13-17.

Thank you!



marco.minghini@ec.europa.eu



© European Union 2020

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.



Keep in touch



EU Science Hub: ec.europa.eu/jrc



@EU_ScienceHub



EU Science Hub – Joint Research Centre



EU Science, Research and Innovation



Eu Science Hub