



# INSPIRE Reference Validator and validation community

**JRC INSPIRE Team**

*64<sup>th</sup> MIG-T meeting – January 21-22, 2021*

# Latest releases of the INSPIRE Validator

## Annual releases

As mentioned above, several releases of the INSPIRE Reference Validator are scheduled each year with the main goal of concentrating breaking changes in the first half of the year in order to produce the major release used for the end-of-year Monitoring process already in June. The scheduled annual releases are described in detail in the next sub-sections. In addition to the different infrastructure and deployment environments, the different releases are managed using different branches of the *ets-repository* repository.

For simplicity, the descriptions make explicit reference to releases in the years 2020/2021, but the same release schedule will be applied consistently over the following years:

- 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. **used for Monitoring and Reporting 2020**
- 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. **latest release**
- v2021.0 - 15/01/2021: it includes both breaking and non-breaking changes, including those available in the beta instance of the previous year.

# Latest release of the INSPIRE Validator

Latest release

v2021.0 18/01/2021

v2021.0

fd13844

dperezBM released this 2 days ago

Verified

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

Compare

## New Features

ATS:

- [ATS for Data Specification on Area Management](#)
- [ATS for Data Specification on Land Use](#)
- [ATS for Data Specification on Species Distribution](#)
- [ATS for Data Specification on Natural Risk Zones](#)
- [ATS for Data Specification on Buildings](#)
- [ATS for Data Specification on Environmental Monitoring Facilities](#)
- [ATS for Data Specification on Human Health and Safety](#)
- [ATS for Data Specification on Habitats and Biotopes](#)
- [ATS for Data Specification on Land Cover](#)
- [ATS for Data Specification on Production and Industrial Facilities](#)
- [ATS for Data Specification on Utility and Government Services](#)

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- [ETS for Data Specification on Production and Industrial Facilities](#)
- [ETS for Data Specification on Utility and Government Services](#)

## Bugfixes

- [#324](#) Added a validation when parent Authority url is not defined - [#549](#)
- [#338](#) Temporal filter errors in Conformance Class: Download Service - Direct WFS Team Engine
- [#346](#) Improved information on docker deployment
- [#389](#) Updated features in PLU - [#512](#)
- [#397](#) Added manual check on nz-as - [#529](#)
- [#422](#) WMS executed tests are not found in the list of tests executed by the validator
- [#424](#) Added date validation for data consistency - [#532](#)

## Deployment instructions

Section containing deployment process using Docker image and troubleshooting section. You can also find these in the [training material](#)

<https://github.com/INSPIRE-MIF/helpdesk-validator/releases/tag/v2021.0>

# Migration of the Validator helpdesk

- Migration of the whole former [community repository](#):
  - including helpdesk, documentation, training material, release, project board

## INSPIRE Validation Community

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This space is used for discussions and announcements around INSPIRE validation & conformity testing. Before reporting a problem or making a pull request, please read the [contribution guidelines](#).

Use the issue tracker (helpdesk) to:

- [report a problem](#) with the INSPIRE validator or test results,
- [propose a new feature or an improvement](#) to the existing functionality of the INSPIRE validator, or
- [start a discussion or raise a question](#) on the INSPIRE validator

The status of the solutions to all the issues currently open in the helpdesk can be checked on the [project board](#).

Please note that the helpdesk should not be used to report generic issues with INSPIRE implementation, but only to report problems of the Validator (i.e. tests that are/might not be currently implemented or issues to the web application) and to collect improvement proposals.

Please check the [changelog of the current and past releases](#) and the [release planning strategy](#) for the plan of future releases of the INSPIRE Reference Validator.

<https://github.com/INSPIRE-MIF/helpdesk-validator/issues>

# ATS/ETS for Annex III Data Specifications

- Prioritisation of data themes for ATS/ETS development

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

# ATS/ETS for Annex III Data Specifications

- Prioritisation of data themes for ATS/ETS development
- Current situation:
  - ETS available in production

Order	Data Theme	Link to ATS	Link to ETS
1	AM	<a href="#">ATS</a>	<a href="#">ETS</a>
2	LU	<a href="#">ATS</a>	<a href="#">ETS</a>
3	NZ	<a href="#">ATS</a>	<a href="#">ETS</a>
4	EF	<a href="#">ATS</a>	<a href="#">ETS</a>
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8	HB	<a href="#">ATS</a>	<a href="#">ETS</a>
9	LC	<a href="#">ATS</a>	<a href="#">ETS</a>
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25	ER	279	2

# ATS/ETS for Annex II/III Data Specifications

- Prioritisation of data themes for ATS/ETS development

- Current situation:
  - ETS available in production

Order	Data Theme	Link to ATS	Link to ETS
1	AM	<a href="#">ATS</a>	<a href="#">ETS</a>
2	LU	<a href="#">ATS</a>	<a href="#">ETS</a>
3	NZ	<a href="#">ATS</a>	<a href="#">ETS</a>
4	EF	<a href="#">ATS</a>	<a href="#">ETS</a>
5	SD	<a href="#">ATS</a>	<a href="#">ETS</a>
6	BU	<a href="#">ATS</a>	<a href="#">ETS</a>
7	HH	<a href="#">ATS</a>	<a href="#">ETS</a>
8	HB	<a href="#">ATS</a>	<a href="#">ETS</a>
9	LC	<a href="#">ATS</a>	<a href="#">ETS</a>
10	US	<a href="#">ATS</a>	<a href="#">ETS</a>
11	PF	<a href="#">ATS</a>	<a href="#">ETS</a>
12	GE	<a href="#">ATS</a>	

- Suggestions:
  - monitor the [GitHub issue](#) for updates
  - test the new ATS/ETS
  - data sets from Annex II/III can already be tested against [cross-cutting requirements](#)

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# Coming soon: ETS for OGC API - Features

- Follow-up of the work of Action 2020.1
  - OGC API - Features as an INSPIRE download service endorsed as a GP
  - lots of implementations already available
  - requirements to be translated into ATS/ETS (SoapUI to be used as test driver)
  - work to start at the end of January

## Good Practice: INSPIRE download services based on OGC API - Features

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This repository contains a proposal for a specification for setting up INSPIRE download services based on the new [OGC API - Features standard](#).

A [draft specification document](#) has been developed by experts from DK, FI and JRC. It will be submitted for review and testing to experts in the INSPIRE maintenance and implementation expert group (MIG) as well as solution providers who are already providing implementations of the standard.

The ultimate goal of this activity is to submit the specification as an [INSPIRE good practice document](#) to the INSPIRE MIG for endorsement.

We therefore encourage INSPIRE implementers and solution providers to test the specification and to provide feedback on the feasibility, existing implementation plans and any issues encountered in this repository through the issue tracker.

<https://github.com/INSPIRE-MIF/gp-ogc-api-features/>



# New INSPIRE Validator User Interface

- Working prototype released with the INSPIRE validation community
  - tested by the community until November 15, 2020 (access available upon request)

# New INSPIRE Validator User Interface

- Working prototype released with the INSPIRE validation community
  - tested by the community until November 15, 2020 (access available upon request)
    - aligned with the visual identity of the European Commission
    - simplified workflow for starting tests

The screenshot shows the 'INSPIRE Validator - Test selection' page. At the top, there is a European Commission logo and a search bar. The main heading is 'INSPIRE Validator - Test selection' with a subtitle 'Test your INSPIRE data, services and metadata'. Below this is a navigation menu with 'Home', 'Start Test', 'Test Reports', 'Get support', and 'More on the INSPIRE Validator'. The main content area is titled 'Configure your test' and contains three sections: 'Select the INSPIRE resource you would like to test' (with radio buttons for Metadata, View Service, Download Service, Discovery Service, and Data set), 'Select the Technical Guidelines version' (with radio buttons for Version 1.3 and Version 2.0), and 'Select the type of metadata record(s) to be tested' (with radio buttons for Data sets and data set series, Network Service, and Spatial Data Service). There is an 'Advanced options' dropdown button. The next section is 'Provide the resource to test', which includes a dropdown for 'File upload' and an 'Upload file' button with a 'Choose files' button below it. At the bottom, there is a text input field for 'Provide a label for your test report (optional)' and a 'Start test' button.

European Commission | English | Search

European Commission > INSPIRE > Validator > Test selection

## INSPIRE Validator - Test selection

Test your INSPIRE data, services and metadata

Home Start Test Test Reports Get support More on the INSPIRE Validator

### Configure your test

Select the INSPIRE resource you would like to test \*

Metadata  
 View Service  
 Download Service  
 Discovery Service  
 Data set

Select the Technical Guidelines version \*

Version 1.3  
 Version 2.0

Select the type of metadata record(s) to be tested \*

Data sets and data set series  
 Network Service  
 Spatial Data Service

Advanced options

### Provide the resource to test

Select the input type and upload or link the resource \*

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

File upload

Upload file\*  
Maximum size is 5 MB.  
Encrypted documents and those containing macros are not accepted.

Choose files

Provide a label for your test report (optional)  
Your test report will appear with the label below; edit the text if you wish to change it.

Test run on 10:39 - 12.10.2020 with test suite Conformance Class 4: INSPIRE Network Services metadata

Start test >

# New INSPIRE Validator User Interface

- Working prototype released with the INSPIRE validation community
  - tested by the community until November 15, 2020 (access available upon request)
    - aligned with the visual identity of the European Commission
    - **simplified workflow** for starting tests
    - new visualization of test reports with improved **options for filtering**

The screenshot displays the 'INSPIRE Validator - Test reports' page. At the top, there is a navigation bar with the European Commission logo, a language selector set to 'English', and a search box. Below the navigation bar, the page title 'INSPIRE Validator - Test reports' is followed by the subtitle 'Review the results of the tests performed'. A secondary navigation menu includes 'Home', 'Start Test', 'Test Reports', 'Get support', and 'More on the INSPIRE Validator'. The main content area is divided into two columns. The left column, titled 'Search options', contains a search input field, dropdown menus for 'Resource type' (set to 'Any resource') and 'Status' (set to 'Any status'), and buttons for 'Refine results' and 'Clear all'. The right column, titled 'Search results (1500)', features a 'Sort by date' dropdown and a 'Showing results 1 to 30' indicator. The results are listed in a table with alternating green and pink background colors. Each row starts with a plus sign and a status icon (green hand for success, red X for failure, or green checkmark for 'Monitor Status'). The text in each row describes the test run, including the time, date, test suite name, and conformance class. For example, one entry is 'Test run on 10:41 - 12.10.2020 with test suite Conformance class: Application schema, Administrative Units'.

# New INSPIRE Validator User Interface

- Working prototype released with the INSPIRE validation community
  - tested by the community until November 15, 2020 (access available upon request)
- Next steps:
  - feedback received under analysis, required development starting soon
  - JRC security assessment
  - replacement of the Validator UI (staging first, production in the next release)

The screenshot shows the 'INSPIRE Validator - Test reports' page. At the top, there is a navigation bar with the European Commission logo, a language selector set to 'English', and a search box. Below the navigation bar, the page title 'INSPIRE Validator - Test reports' is displayed, followed by the subtitle 'Review the results of the tests performed'. A secondary navigation bar contains links for 'Home', 'Start Test', 'Test Reports', 'Get support', and 'More on the INSPIRE Validator'. The main content area is divided into two columns. The left column, titled 'Search options', includes a search input field, a 'Resource type' dropdown menu set to 'Any resource', a 'Status' dropdown menu set to 'Any status', and buttons for 'Refine results' and 'Clear all'. The right column, titled 'Search results (1500)', features a 'Sort by date' dropdown and a 'Showing results 1 to 30' indicator. The results are listed in a table with alternating green and pink background colors. Each row starts with a plus sign and a status icon (green hand for success, red X for failure, green checkmark for monitor status). The text in each row describes the test run, including the time, date, test suite name, and conformance class. For example, the first row is 'Test run on 10:41 - 12.10.2020 with test suite Conformance class: Application schema, Administrative Units' with a green hand icon. The second row is 'Test run on 11:41 - 12.10.2020 with test suite Conformance Class 4: INSPIRE Network Services metadata.' with a green hand icon. The third row is 'Test run on 10:38 - 12.10.2020 with test suite Conformance Class 4: INSPIRE Network Services metadata. and one more test suite' with a red X icon. The fourth row is 'TEST c7980264-97af-41ec-8853-35c7de2f55e6 - 1602491889376' with a red X icon. The fifth row is 'Test run on 11:35 - 12.10.2020 with test suite Conformance Class 4: INSPIRE Network Services metadata.' with a green hand icon. The sixth row is 'Test run on 11:31 - 12.10.2020 with test suite Conformance Class 2: INSPIRE data sets and data set series interoperability metadata. and one more test suite' with a green hand icon. The seventh row is 'Test run on 11:29 - 12.10.2020 with test suite Conformance class: Application schema, Air Transport Networks' with a red X icon. The eighth row is 'Monitor Status' with a green checkmark icon. The ninth row is 'TEST 489ef74f-a1e2-4510-bdbc-5f8ce34dbaa8 - 1602491117860' with a red X icon. The tenth row is 'Test run on 09:59 - 12.10.2020 with test suite Conformance Class: Download Service - Direct WFS' with a red X icon. The eleventh row is 'Test run on 10:55 - 12.10.2020 with test suite Conformance Class: View Service - WMS' with a red X icon. The twelfth row is 'Test run on 09:48 - 12.10.2020 with test suite Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records. and 2 more test suites' with a red X icon. The thirteenth row is 'Monitor Status' with a green checkmark icon. The fourteenth row is 'Test run on 09:46 - 12.10.2020 with test suite Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records. and 2 more test suites' with a red X icon. At the bottom of the page, there is a pagination bar with a '< Previous' button, a page number '1' in a circle, and a 'Next >' button.

# Thank you!



marco.minghini@ec.europa.eu



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