



INSPIRE Reference Validator and validation community

JRC INSPIRE Team



67th MIG-T meeting – October 7-8, 2021

INSPIRE Reference Validator – Releases

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 2021/2022, but the same release schedule will be applied consistently over the following years:

- v2021.1 - 15/03/2021: it includes both breaking and non-breaking changes.
- v2021.2 - 15/06/2021: it includes both breaking and non-breaking changes.
- v2022.b - 15/06/2021: it includes both breaking and non-breaking changes which are planned to become effective (for Monitoring purposes) in the following year. **used for Monitoring and Reporting 2021**
- v2021.3 - 15/09/2021: 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.
- v2022.0 - 15/01/2022: it includes both breaking and non-breaking changes, including those available in the beta instance of the previous year.

INSPIRE Reference Validator – v.2021.3

v2021.3

f0eda89

Verified

Compare

v2021.3 16/09/2021

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

New Features

ATS:

- [ATS for Data Specification on Mineral Resources](#)
- [ATS for Data Specification on Energy Resources](#)
- [ATS for Data Specification on Oceanographic geographical features](#)
- [ATS for Data Specification on Atmospheric Conditions and Meteorological Geographical Features](#)
- [ATS for Data Specification on Statistical Units](#)
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Bugfixes

- [#440 Fixed prefixes on lu-gml - #647](#)
- [#458 Polygon, PolyhedralSurface and TriangulatedSurface added to bu-as b.5 and lc-v-as a.1 - #633](#)
- [#473 Added certificates in validation process - #648](#)
- [#526 hb-as.a.4 paths fixed - #649](#)
- [#532 Parsed 'lang' to String to avoid type error - #650](#)
- [#555 ef-as a.1 conditions fixed for empty observations - #651](#)
- [#566 Fixed "An error has occurred" error on new UI.](#)
- [#571 Fixed SwaggerUI documentation.](#)
- [#572 Added missing ';' to media-type test & Update URL to point against atom URL - #653](#)
- [#576 Added missing semicolons to WFS - #652](#)
- [#582 Added missing '.Default' layers - #654](#)
- [#587 Updated wrong variable - #655](#)
- [#601 noDateTypeForSpecification message typo fixed - #657](#)

Deployment instructions

The section containing the 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/v2021.3>

INSPIRE Reference Validator – v.2021.3.1

- Hotfix release to solve an issue caused by a change in the behavior of the OGC TEAM Engine affecting Direct WFS tests.
 - <https://github.com/opengeospatial/teamengine/issues/469>


Latest release


v2021.3.1
f0eda89

Verified

Compare ▾

v2021.3.1 04/10/2021

 carlospzurita released this 20 hours ago

 Bugfixes

This is an exceptional release of the Validator, which includes the latest version of the TEAM Engine. A hotfix was needed on the TEAM engine test driver due to a change in the OGC response and the validator was not able to process the new response. As a consequence, all the ETS related with the OGC validator were not able to run and process the result page

Several issues arose from this problem, see [#565](#), [#553](#), [#548](#), [#538](#),
This release builds on the latest release (v.2021.3).

- TEAM Engine reference update to treat the new OGC validator response format
- TestDriver for TEAM Engine updated on validator.war inside INSPIRE validator

Deployment instructions

The section containing the 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/v2021.3>

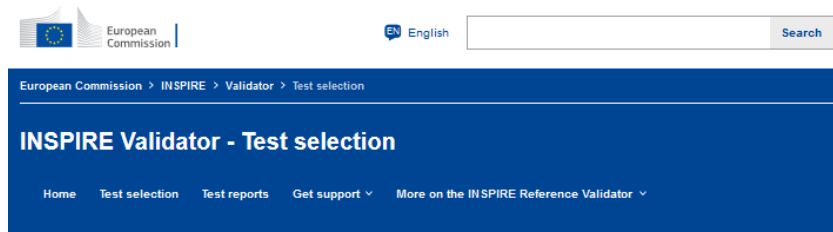
New tests – ATS/ETS for Annex II/III Data Specifications

- **ATS** developed and released for all data themes.
- **ETS** completed and all available in production.
 - please test!

Order	Data Theme	Link to ATS	Link to ETS
1	AM	ATS	ETS
2	LU	ATS	ETS
3	NZ	ATS	ETS
4	EF	ATS	ETS
5	SD	ATS	ETS
6	BU	ATS	ETS
7	HH	ATS	ETS
8	HB	ATS	ETS
9	LC	ATS	ETS
10	US	ATS	ETS
11	PF	ATS	ETS
12	GE	ATS	ETS
13	BR	ATS	ETS
14	SR	ATS	ETS
15	EL	ATS	ETS
16	PD	ATS	ETS
17	OI	ATS	ETS
18	AF	ATS	ETS
19	SU	ATS	ETS
20	SO	ATS	ETS
21	MR	ATS	ETS
22	ER	ATS	ETS
23	OF	ATS	ETS
24	AC-MF	ATS	ETS

INSPIRE Reference Validator – New UI

- Available for the first time in the production instance with release v.2021.2:



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 - DEPRECATED
- 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
Select one or multiple XML/GML files or ZIP files containing XML/GML files. The Maximum size of each uploaded file is 50 MB. The upload starts immediately after selecting the files. The 'Start' button is unlocked when the upload has been successfully completed.

File upload

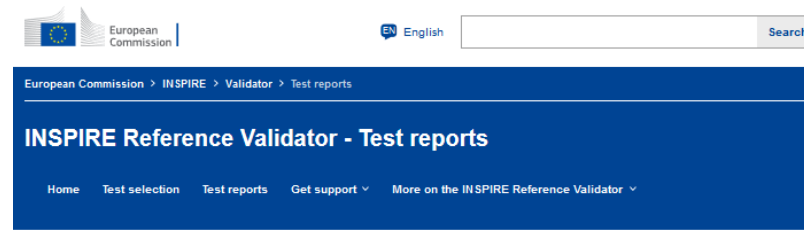
Upload file*
Maximum size is 50 MB.
Encrypted documents and those containing macros are not accepted.

[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 09:13 - 15.04.2021 with test suite Common conformance classes

[Start test](#)



Search options

Search bar

Combine search terms with
 AND OR

Resource type

Any resource

Status

Any status

[Refine results](#)

[Clear all](#)

Search results (15)

[Sort by date](#)

Showing results 1 to 15

SEARCHED TERM: FV common

- + Test run on 10:07 - 15.04.2021 with test suite Common conformance classes test Rerun MM
- + Test run on 10:04 - 15.04.2021 with test suite Common conformance classes FV
- + Test run on 10:07 - 15.04.2021 with test suite Common conformance classes test MM
- + Test run on 10:07 - 15.04.2021 with test suite Common conformance classes test MM
- + Test run on 10:09 - 15.04.2021 with test suite Conformance Class View Service WMS [RERUN]
- + Test run on 10:07 - 15.04.2021 with test suite Common conformance classes test MM
- + Test run on 10:09 - 15.04.2021 with test suite Conformance Class View Service WMS
- + Test run on 10:07 - 15.04.2021 with test suite Common conformance classes test MM
- + Test run on 10:07 - 15.04.2021 with test suite Common conformance classes test MM
- + Test run on 10:06 - 15.04.2021 with test suite Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records.
- + Test run on 10:04 - 15.04.2021 with test suite Common conformance classes
- + Test run on 10:01 - 15.04.2021 with test suite Common conformance classes
- + Test run on 10:01 - 15.04.2021 with test suite Common conformance classes
- + Test run on 09:59 - 15.04.2021 with test suite Common conformance classes
- + Test run on 09:57 - 15.04.2021 with test suite Annex I - Administrative Units (AU)

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INSPIRE Reference Validator – Preparation for Monitoring & Reporting 2021

- Conformance Class 2 *INSPIRE* data sets and data set series interoperability metadata will be added (compared to last year):
 - included by default when validating data set metadata in the new UI

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

- Data sets and data set series
- Network Service
- Spatial Data Service

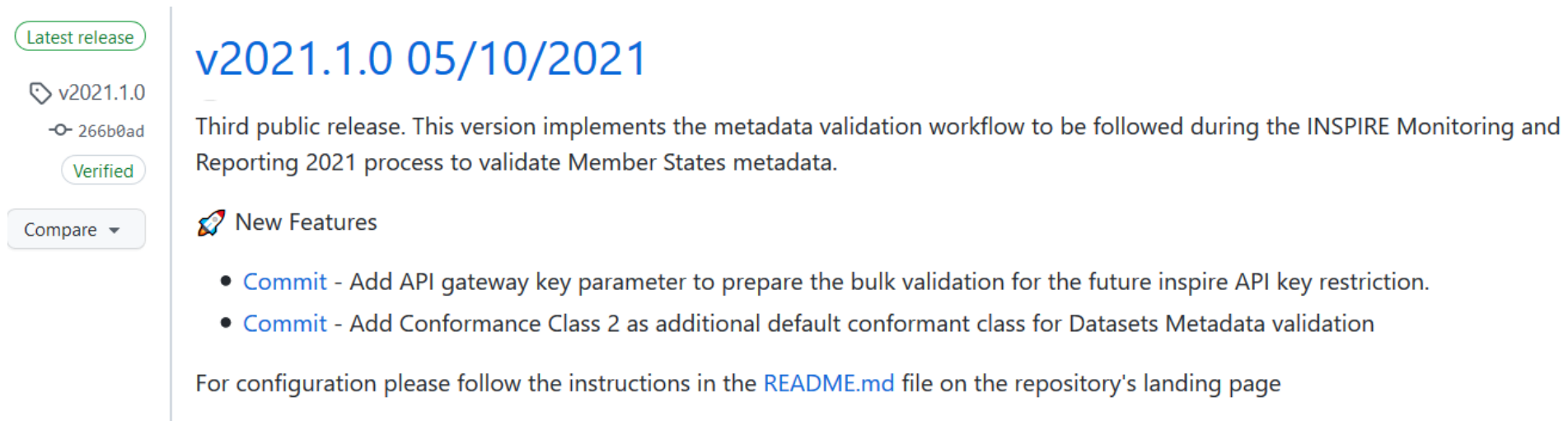
Advanced options ^

Select the conformance classes to be assessed

- Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records ([source](#))
- Conformance Class 1: 'Baseline metadata for data sets and data set series' ([source](#))
- Conformance Class 2: 'INSPIRE data sets and data set series interoperability metadata' ([source](#))
- Conformance Class 2b: 'INSPIRE data sets and data set series metadata for Monitoring' ([source](#))

Bulk validation tool – v.2021.1.0

- Allows to validate large numbers of metadata:
 - using the Validator [API](#)
 - based on [Pentaho Data Integration \(PDI\)](#)
- New version including the additional Conformance Class 2:
 - to be used with [your own instance](#) of the INSPIRE Reference Validator!



The screenshot shows the GitHub release page for the Bulk validation tool. On the left sidebar, there is a 'Latest release' badge, the version 'v2021.1.0', a commit hash '266b0ad', a 'Verified' badge, and a 'Compare' dropdown menu. The main content area displays the release title 'v2021.1.0 05/10/2021' in blue. Below the title, it states 'Third public release. This version implements the metadata validation workflow to be followed during the INSPIRE Monitoring and Reporting 2021 process to validate Member States metadata.' A 'New Features' section with a rocket icon lists two bullet points: 'Commit - Add API gateway key parameter to prepare the bulk validation for the future inspire API key restriction.' and 'Commit - Add Conformance Class 2 as additional default conformant class for Datasets Metadata validation'. At the bottom, it says 'For configuration please follow the instructions in the [README.md](#) file on the repository's landing page'.

<https://github.com/inspire-eu-validation/monitoring-bulk-validation-tool/releases/tag/v2021.1.0>

API gateway to access the Validator

- Introduced to limit the (massive) use of the production instance of the INSPIRE Reference Validator through the API:
 - sometimes performed using the bulk validation tool
 - sometimes making the instance unavailable
- **Limitations** on the API usage:
 - max 100 requests/week and max 1 request/second
- Public UI will remain available with no changes
- **Transition phase from September 15 to October 20:**
 - API key to be requested for testing purposes, instructions available at <https://github.com/INSPIRE-MIF/helpdesk-validator/issues/594>
 - Validator available both with and without the API gateway during the transition phase
 - Validator available only with the API gateway after the transition phase

New tests planned

- OGC API - Features as an INSPIRE Download Service:
 - transposition of the tests currently available in the OGC TEAM Engine
 - under discussion with the ETF Steering Group
 - available in staging by the end of October
- Requirements for the simplified data-service linkage approach:
 - development will start once the approach is finalised
- Requirements for discoverability of IACS datasets

Thank you!



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