



INSPIRE Reference Validator and validation community

JRC INSPIRE Team



70th MIG-T meeting – July 7, 2022

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 2022/2023, but the same release schedule will be applied consistently over the following years:

- v2022.1 - 15/03/2022: it includes both breaking and non-breaking changes.
- v2022.2 - 15/06/2022: it includes both breaking and non-breaking changes. **latest release**
- v2023.b - 15/06/2022: it includes both breaking and non-breaking changes which are planned to become effective (for Monitoring purposes) in the following year.
- v2022.3 - 15/09/2022: 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.
- v2023.0 - 15/01/2023: it includes both breaking and non-breaking changes, including those available in the beta instance of the previous year.

<https://github.com/INSPIRE-MIF/helpdesk-validator/tree/master/release%20strategy>

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 2022/2023, but the same release schedule will be applied consistently over the following years:

- v2022.1 - 15/03/2022: it includes both breaking and non-breaking changes.
- v2022.2 - 15/06/2022: it includes both breaking and non-breaking changes.
- v2023.b - 15/06/2022: 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 2022**
- v2022.3 - 15/09/2022: 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.
- v2023.0 - 15/01/2023: it includes both breaking and non-breaking changes, including those available in the beta instance of the previous year.

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 2022/2023, but the same release schedule will be applied consistently over the following years:

- v2022.1 - 15/03/2022: it includes both breaking and non-breaking changes.
- v2022.2 - 15/06/2022: it includes both breaking and non-breaking changes. **will include the new ETF v.2.1**
- v2023.b - 15/06/2022: it includes both breaking and non-breaking changes which are planned to become effective (for Monitoring purposes) in the following year.
- v2022.3 - 15/09/2022: 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.
- v2023.0 - 15/01/2023: it includes both breaking and non-breaking changes, including those available in the beta instance of the previous year.

INSPIRE Reference Validator – v.2022.2

v2022.2- 21/06/2022 Latest

 dperezBM released this 15 days ago  v2022.2  ed6b791 

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

New Features

- [#765](#) Validation against the latest INSPIRE official schemas - [#748](#)
- [#770](#) INSPIRE data sets and data set series metadata for IACS multilanguage- [#749](#)

Bugfixes

- [#569](#) tn-gml typo correction - [#750](#)
- [#618](#) [#703](#) invalidLegendFormat message updated - [#751](#)
- [#710](#) am-as-a.2 missingElement and missingAttribute property fixed - [#752](#)
- [#714](#) su-vector-as.b.1 and su-vector-as.b.2 updated - [#753](#)
- [#729](#) Conformance class description typo fixed - [#754](#)
- [#742](#) 5621, 9389 and 9390 EPSG codes added - [#755](#)
- [#747](#) pf-gml typo fixed - [#756](#)
- [#749](#) outputSchema and elementSetName default parameters added in UI
- [#780](#) [#718](#) [#771](#) Not required service metadata checks removed- [#757](#)

Validator UI

- [#24](#) New cookie consent on Validator UI - [#25](#)
- [#23](#) Quick links in the "Get support" menu need to be changed
- [#22](#) Wrong CC for some US application schemas - [#21](#)
- [#19](#) URL Metadata validation for non-ISO default responses - [#20](#)
- [#14](#) Staging/production parametrization - [#18](#)
- [#13](#) Typo for AD data theme - [#15](#)
- [#10](#) Missing CC name for BU3D
- [#9](#) Outdated instructions to be removed
- [#8](#) Date display issue bug - [#12](#)
- [#7](#) Link to be changed - [#11](#)

<https://github.com/INSPIRE-MIF/helpdesk-validator/releases/tag/v2022.2>

New tests – Validation against the latest INSPIRE official schemas

- Introduced to **check** whether existing implementations are aligned with the latest version of endorsed INSPIRE schemas, and (if not) to **stimulate towards the migration**:
 - this complements the work performed under Action 2.3.1
- **Breaking change** – make sure to consider it for Monitoring and Reporting 2022!

New tests – Validation against the latest INSPIRE official schemas

- Schema validation is now composed of 2 separate tests:
 1. (already existing) schema validation against the declared schema

Conformance class: INSPIRE GML application schemas, General requirements 6

This test suite examines GML documents against basic requirements for the GML encoding for spatial data sets in INSPIRE. This only covers application-schema-independent, generic requirements. Requirements related to specific application schemas are part of conformance classes with a dependency on this conformance class.

This is a draft version. It has limitations and is expected to contain errors. Please report any issues or problems [in GitHub](#).

Known limitations are documented in the description of the applicable test case or test assertion. There is a general limitation in all assertions that extensions in additional application schemas are only supported, if the unqualified name of the feature type in the extension is the same as the name of the feature type in the INSPIRE application schema.

Source: [Conformance Class 'INSPIRE GML application schemas'](#)

Pre-requisite conformance classes:

- [Conformance Class 'INSPIRE GML encoding'](#)

Status Passed, manual checks required
Duration 0.567 s
Version 0.2.8

Schema 2

+ Validation against declared schema 2

<https://github.com/INSPIRE-MIF/helpdesk-validator/discussions/765>

New tests – Validation against the latest INSPIRE official schemas

- Schema validation is now composed of 2 separate tests:
 1. (already existing) schema validation against the declared schema
 2. (new) schema validation against the latest INSPIRE official schema

– Conformance class: GML application schemas, Administrative Units 2

This test suite examines the GML encoding of spatial objects specified in the INSPIRE GML application schemas 'Administrative Units - Administrative Units' and 'Administrative Units - Maritime Units'. Both currently approved GML application schema versions (3.0 and 4.0) are tested. For maritime units only version 3.0 is an approved version (but is aligned with the other version 4.0 schemas, not the 3.0 schemas).

This is a draft version. It has limitations and is expected to contain errors. Please report any issues or problems [in GitHub](#).

Known limitations are documented in the description of the applicable test case or test assertion. There is a general limitation in all assertions that extensions in additional application schemas are only supported, if the unqualified name of the feature type in the extension is the same as the name of the feature type in the INSPIRE application schema.

Source: [Conformance Class 'GML application schemas, Administrative Units'](#)

Pre-requisite conformance classes:

- [Conformance Class 'INSPIRE GML application schemas'](#)

Status Passed
Duration 0.172 s
Version 0.2.3

+ Basic test 1


+ Validation against INSPIRE official schema 1

<https://github.com/INSPIRE-MIF/helpdesk-validator/discussions/765>




ETF – new Release Candidate v.2.1


- Final release will be available soon:
 - changelog to be added
 - documentation (admin, developer, user) to be updated
- **Many differences** compared to the previous v.2.0!

2.1.0-rc.1 Pre-release Compare

 github-actions released this 25 May 2022 2.1.0-rc.1 0bbe958

▼ **Assets** 3

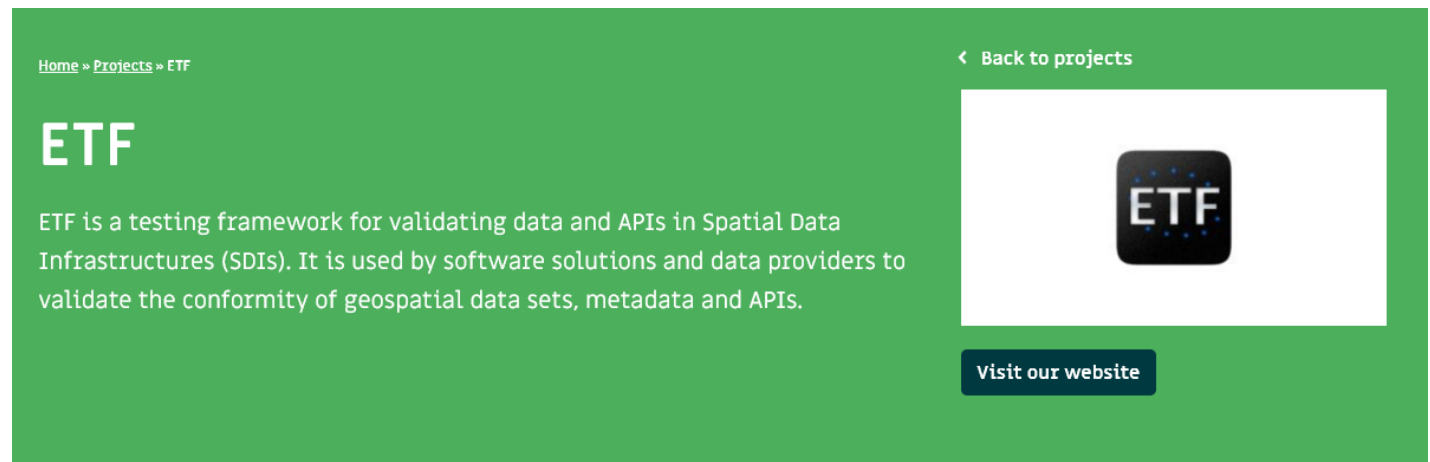
 etf-webapp.war	60.4 MB	25 May 2022
 Source code (zip)		25 May 2022
 Source code (tar.gz)		25 May 2022



<https://github.com/etf-validator/etf-webapp/releases/tag/2.1.0-rc.1>

ETF – OSGeo Community Project (candidate)

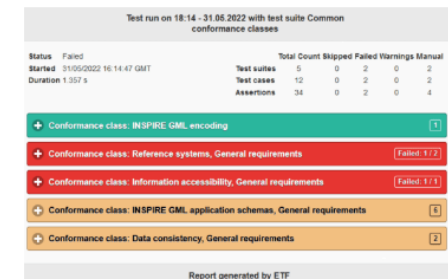
- The ETF was submitted for acceptance as an OSGeo Community Project:
 - [webpage](#) on the OSGeo website created
 - pending [approval](#) from the OSGeo Incubation Committee and the OSGeo Board



The screenshot shows a webpage for the ETF project on the OSGeo website. The page has a green header with navigation links: Home » Projects » ETF. The main heading is 'ETF' in large white letters. Below it, a paragraph describes the framework: 'ETF is a testing framework for validating data and APIs in Spatial Data Infrastructures (SDIs). It is used by software solutions and data providers to validate the conformity of geospatial data sets, metadata and APIs.' To the right, there is a 'Back to projects' link and a button labeled 'Visit our website'.

Goals in designing the ETF software were to create test reports that are user-friendly and self-explanatory as well as to be able to validate large amounts of data, which can be several hundred GB in size. In order to cover different validation tasks and present them in a unified report, the architecture is modular and different test engines can be used. Currently the following test engines are supported: [SoapUI](#) for testing web services, [BaseX](#) database for testing XML data, [TEAM Engine](#) to validate WFS and OGC Web APIs using the OGC CITE tests, NeoTL Engine for testing WFS, OGC Web APIs and datasets.

ETF is the underlying framework used by the [INSPIRE Reference Validator](#) to validate metadata, datasets and services against the [INSPIRE](#) requirements. ETF is also used extensively in Germany by the Surveying Authorities of the Laender to validate their datasets. Other European Union (EU) Member States are also reusing the ETF to allow their data providers to test resources against national requirements. Finally, some software tools include validation based on the ETF API in their workflow.



The screenshot shows a test report generated by ETF. The report title is 'Test run on 18:14 - 31.05.2022 with test suite Common conformance classes'. It includes a table with the following data:

Status	Failed	Total	Count	Skipped	Failed	Warnings	Manual
Started:	18:14:47 GMT	Test suites	5	0	2	0	2
Duration:	1.957 s	Test cases	12	0	2	0	2
		Assertions	34	0	2	0	4

Below the table, there are several sections for conformance classes, each with a status indicator and a count:

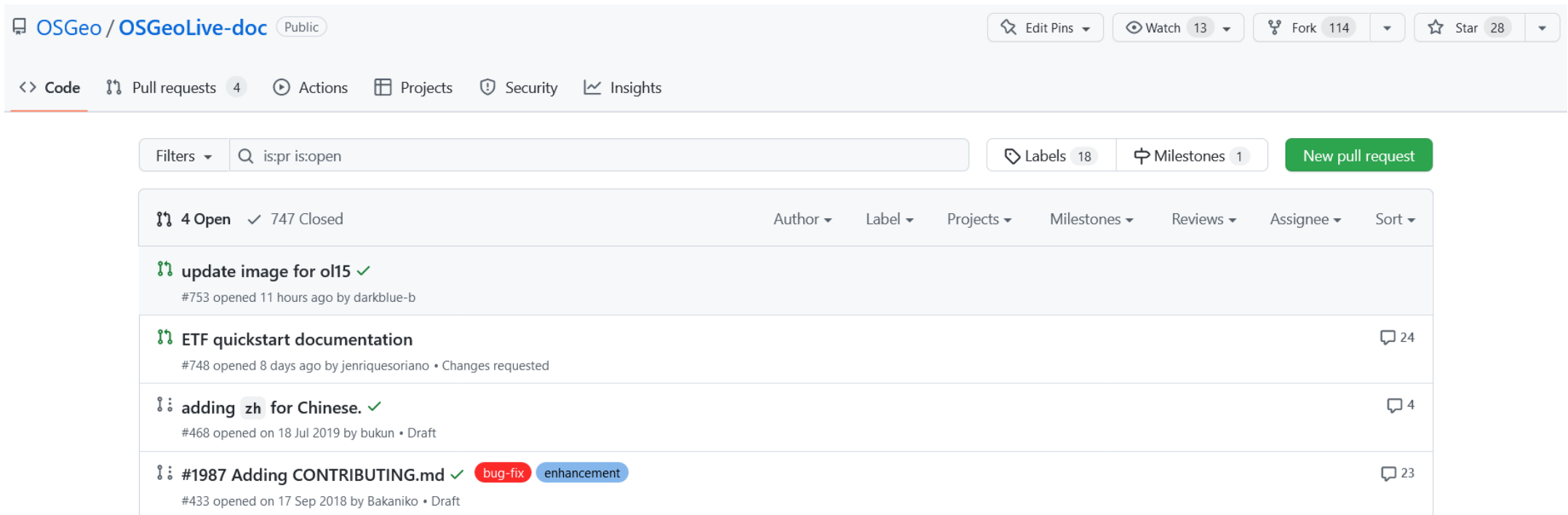
- Conformance class: INSPIRE GML encoding (1)
- Conformance class: Reference systems, General requirements (Failed: 1/2)
- Conformance class: Information accessibility, General requirements (Failed: 1/1)
- Conformance class: INSPIRE GML application schemas, General requirements (1)
- Conformance class: Data consistency, General requirements (2)

At the bottom, it says 'Report generated by ETF'.

<https://www.osgeo.org/projects/etf>

ETF – OSGeo Live

- The ETF was submitted for inclusion in the OSGeoLive:
 - OSGeoLive **PSC** is currently voting for approval
 - **installation script**, **overview** & **quickstart** under preparation
- Call for translators open!



The screenshot shows the GitHub interface for the repository `OSGeo / OSGeoLive-doc`. The repository is public and has 13 watchers, 114 forks, and 28 stars. The navigation bar includes links for Code, Pull requests (4), Actions, Projects, Security, and Insights. The pull requests section is filtered to show only open pull requests. The list includes:

- update image for ol15** (checked) - #753 opened 11 hours ago by darkblue-b
- ETF quickstart documentation** - #748 opened 8 days ago by jenriquesoriano • Changes requested (24 comments)
- adding zh for Chinese.** (checked) - #468 opened on 18 Jul 2019 by bukun • Draft (4 comments)
- #1987 Adding CONTRIBUTING.md** (checked) - #433 opened on 17 Sep 2018 by Bakaniko • Draft (23 comments) with labels **bug-fix** and **enhancement**

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