



INSPIRE Reference Validator and validation community

JRC INSPIRE Team

12th MIG meeting – November 26-27, 2020

Latest release 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. **beta version – NOT RELEASED**
- v2021.0 - 15/01/2021: it includes both breaking and non-breaking changes, including those available in the beta instance of the previous year.

Upcoming release of the ETF framework

- v.2.1 to be released in December, will fix some INSPIRE-specific issues:
 - GML polygon orientation (caused by a deegree issue) [[#60](#), [#137](#), [#147](#), [#886](#)]
 - invalid geometries (CRS issues) [[#203](#), [#214](#), [#267](#), [#301](#)]

ETF Improvement Proposals (EIPs) Updated on 7 Sep

Filter cards Add cards Fullscreen Menu

The dashboard displays several EIP cards across different stages:

- Proposer: draft/refine EIP (6 cards):**
 - Performance improvement for tests with small spatial test data sets [draft] governance#76 opened by jonherrmann (EIP-draft)
 - Use of BaseX with client-server architecture governance#75 opened by carlospzurita (EIP-draft)
 - Migrate to Java 11 [draft] governance#71 opened by jonherrmann (EIP-draft)
 - Support parallel execution of several ETSs in one test run governance#46 opened by michellutz (EIP-draft)
 - Support parallel execution of test steps/cases/modules inside an ETS governance#47 opened by michellutz (EIP-draft)
 - Handling of low disk space governance#29 opened by michellutz (EIP-draft)
- SG: discussion (2 cards):**
 - New test driver for web service tests governance#77 opened by jonherrmann (EIP)
 - Ring orientation fix with new deegree release governance#96 opened by carlospzurita (EIP-draft)
- TC: analysis (0 cards):**
- TC: in release planning (13 cards):**
 - Separate automatic from manual checks governance#61 opened by MarcoMinghini (EIP-approved)
 - Add a Rerun button governance#18 opened by jonherrmann (EIP-approved)
 - Introduce a parameter to control the maximum number of threads governance#48 opened by michellutz (EIP-approved)
 - Support to cloud deployment governance#13 opened by robsgnao (EIP-approved)
 - Visual improvement of test reports governance#60 opened by MarcoMinghini (EIP-approved)
 - Show ETS dependencies in user view governance#30 opened by michellutz (EIP-approved)
- TC: scheduled for release (10 cards):**
 - New module for testing topological errors in spatial data governance#59 opened by jonherrmann (EIP-approved) → ETF Release Candidate 1 (version 2.1.0)
 - Custom properties in test model items governance#25 opened by jonherrmann (EIP-approved) → ETF Release Candidate 1 (version 2.1.0)
 - Test Run Templates governance#28 opened by jonherrmann (EIP-approved)
 - Reusable Test Objects governance#26 opened by jonherrmann (EIP-approved)
 - Open log view in new tab governance#34 opened by michellutz (EIP-approved)
 - Adding support for SOS ETS

ATS/ETS for Annex II/III Data Specifications

- Prioritisation of data themes

- Current situation:
 - ETS available in staging

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

- 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](#)

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

- Working prototype released with the INSPIRE validation community
 - access available upon request
 - tested by the community between October 15 and November 15
 - some feedback received
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 - 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 several sections: 'Select the INSPIRE resource you would like to test' with radio buttons for Metadata (selected), 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 (selected); 'Select the type of metadata record(s) to be tested' with radio buttons for Data sets and data set series, Network Service (selected), and Spatial Data Service; an 'Advanced options' dropdown; 'Provide the resource to test' with a dropdown for 'File upload' and an 'Upload file' section with a 'Choose files' button; and a text input field for 'Provide a label for your test report (optional)'. At the bottom right, there is a 'Start test' button.

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 - replacement of current UI foreseen for early 2021
 - 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 shown, along with a 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 rows. Each row includes a plus sign, a status icon (green hand for success, red X for failure, or green checkmark for monitor status), and a text description of the test run, including the time, date, test suite name, and conformance class. The footer of the page shows a pagination control with a 'Previous' button, a page number '1' in a circle, and a 'Next' button.

INSPIRE Validator – Network of NCPs

- Closed Action 2017.4 on Validation and conformity testing.
- Creation of a **network of National Contact Points** focused on validation
 - maintainers of national validators / experts in INSPIRE validation
 - 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
 - 21 experts from 14 countries: ES, CZ, SE, DE, BE, FI, NL, PT, SK, FR, HU, IT, AT, EL
 - **kickoff meeting** held on July 14
 - setup of a dedicated **mailing list**

Thank you!



marco.minghini@ec.europa.eu



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