

ETF and INSPIRE Reference Validator

JRC INSPIRE Team

75th MIG-T meeting – July 7, 2023



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 2023/2024, but the same release schedule will be applied consistently over the following years:

• v2023.1 - 15/03/2023: it includes both breaking and non-breaking changes.

latest release

- v2023.2 15/06/2023: it includes both breaking and non-breaking changes.
- v2024.b 15/06/2023: it includes both breaking and non-breaking changes which are planned to become effective (for Monitoring purposes) in the following year.

 version used for Monitoring and Reporting 2023
- v2023.3 15/09/2023: 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.
- v2024.0 15/01/2024: it includes both breaking and non-breaking changes, including those available in the beta instance of the previous year.



INSPIRE Reference Validator – v2023.2

v2023.2 - 21/06/2023



https://github.com/INSPIRE-MIF/helpdesk-validator/releases/tag/v2023.2







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

New Features

• #965 Upgrade INSPIRE Reference Validator to Java 11

& Bugfixes

- #113 tn-as.c.1 significantPoint exception added for air TransportNode #813
- #382 HH.HealthDeterminantMeasure.Default option style added #814
- #722 #751 #758 #819 TG Req 43 and TG Req 44 updated #815
- #928 Keyword split into INSPIRE data theme and GEMET #816
- #943 am-as.b.2 competentAuthority xsi:nil condition added #817
- #950 Wrong polygon orientiation reported for CRS EPSG:3045/EPSG:4258 #4 #30
- #961 CAPTCHA does not work
- #963 API call added to IA and AS themes #818

Validator UI

• #45 Update captcha verification endpoint

v2023.2

- Breaking and non-breaking changes in this release
- Baseline for Monitoring and Reporting 2023
- v2023.3 will be used for M&R2023

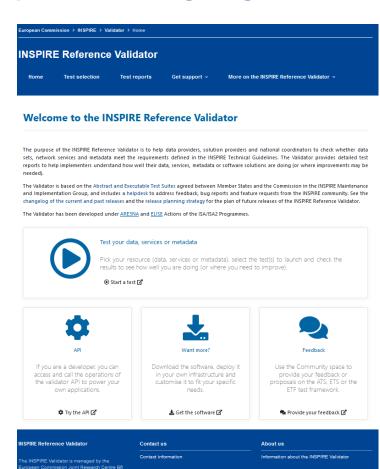
No breaking changes will be introduced for M&R2023



INSPIRE Reference Validator – v2023.2

Main features

- Technology upgrade: fine tuning & security testing
 - Docker base image: jetty:9.4.48-jre11-openjdk
 - Debian GNU/Linux 11
 - OpenJDK 11.0.16
 - Jetty 9.4.8
 - Squid 4.13
 - Nginx 1.18.0
 - Apache 2.4.56





INSPIRE Reference Validator – v2023.2

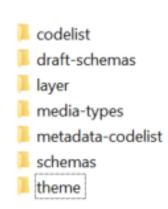
Main features

- Geometry orientation issue for polygons in left-handed CRS SOLVED
 - Collaboration with degree
 - https://github.com/deegree/deegree3/issues/1480

GeometryValidator-Different results than OGC Cite tests for left-handed CRS #1480



- Compilation of INSPIRE Registry resources UPDATED
 - Setting up a cache of INSPIRE Registry resources
 - Own installation dependent: proxy, cache policies...





INSPIRE Reference Validator—API Gateway

- API Gateway to manage requests
- API Key needed
 - Request an API Key
 - https://github.com/INSPIRE-MIF/helpdesk-validator/issues/594
- Usage of API Key NEW
 - https://yzyiqfakm4.execute-api.eu-west-1.amazonaws.com/validator/v2/Usages/{API-Key}/
 - Last 10 days usage
 - Remaining quota
 - https://github.com/INSPIRE-MIF/helpdesk-validator/discussions/977



INSPIRE Reference Validator—API Gateway

| statusCode: | 200 |
|-----------------|--------------|
| ▼ body: | |
| ▼ items: | |
| ▼ 0: | |
| date: | "2023-06-27" |
| uses: | 34 |
| remaining_uses: | 0 |
| ▼ 1: | |
| date: | "2023-06-28" |
| uses: | 0 |
| remaining_uses: | 0 |
| ▼ 2: | |
| date: | "2023-06-29" |
| uses: | 0 |
| remaining_uses: | 0 |
| ▼ 3: | |
| date: | "2023-06-30" |
| uses: | 0 |
| remaining_uses: | 0 |
| ▼ 4: | |
| date: | "2023-07-01" |
| uses: | 0 |
| remaining_uses: | 0 |
| | |

```
"2023-07-02"
    uses:
    remaining_uses:
₹ 6:
     date:
                        "2023-07-03"
                       0
    uses:
    remaining_uses:
₹ 7:
    date:
                       "2023-07-04"
                       176
    uses:
    remaining_uses:
₹ 8:
    date:
                       "2023-07-05"
    uses:
    remaining_uses:
₹ 9:
    date:
                       "2023-07-06"
                       12
    uses:
    remaining_uses:
                       12
```

token refill on Sunday



Reminder on the Validator usage & offer

- The production instance of the INSPIRE Reference Validator is not meant to be used for massive/large validations, which may result into software unavailability for the whole community:
 - 'heavy' services serving several and/or large datasets
 - large GML datasets current limit for file upload: 50 MB
 - massive validations through the API limited through an API Gateway
- For such validation needs:
 - please setup your own instance of the INSPIRE Reference Validator (e.g. using Docker)
 - ask for we offer help with the deployment



Thank you!



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