



INSPIRE Reference Validator and validation community

JRC INSPIRE Team



69th MIG-T meeting – April 1, 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. **latest release**
- 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.
- 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.2022.1

v2022.1 17/03/2022 Latest

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

New Features

- [#727](#) INSPIRE data sets and data set series metadata for IACS - [#720](#)

Bugfixes

- [#327](#) Add 'nor' language to c.5 - [#713](#)
- [#567](#) common-req C.5 and datasets-and-series 1.6 codelists updated - [#714](#)
- [#625](#) ge-ia.b.2 and ge-ia.b.3 missing element and wrong multiplicity conditions removed - [#715](#)
- [#659](#) Removed multiplicity check for so:soilDerivedObjectObservation - [#712](#)
- [#686](#) New certificate added
- [#688](#) C.18 otherConstraints Anchor condition updated - [#716](#)
- [#704](#) lc-as.a.1 updated - [#717](#)
- [#706](#) common req C.5 ice language code added - [#718](#)
- [#712](#) bu-3d-as.a.3 and bu-3d-as.a.4 checks each buildingpart of bu-base:parts - [#719](#)

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/v2022.1>

New tests

- Tests on the discoverability of agricultural **IACS datasets**:
 - translating the requirements of the **Technical Guidelines on IACS data sharing**
 - available in the staging instance since end of December, now moved to production

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 ^

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](#))
- Conformance Class 2c: 'INSPIRE data sets and data set series metadata for IACS' ([source](#))

<https://publications.jrc.ec.europa.eu/repository/handle/JRC121450>

<https://github.com/INSPIRE-MIF/helpdesk-validator/issues/727>

Validation against official INSPIRE 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
- Tests will be modified as follows:
 - **schema validation against the declared schema(s)** will be maintained
 - **schema validation against the latest official INSPIRE schema(s)** will be added

Validation against official INSPIRE schemas

- A first example is available in the staging instance for the AM data theme:

Validation against declared schema 2

Verify that all XML documents validate against the XML schema(s) declared in the schemaLocation attribute.

Status Passed
Duration 0.830 s

gmlas.b.1: xsi:schemaLocation attribute

Verify for each XML document that the xsi:schemaLocation attribute is provided in the root element.

Validation against INSPIRE official schema Failed: 1 / 1

Verify that all XML documents validate against the latest INSPIRE official schema(s).

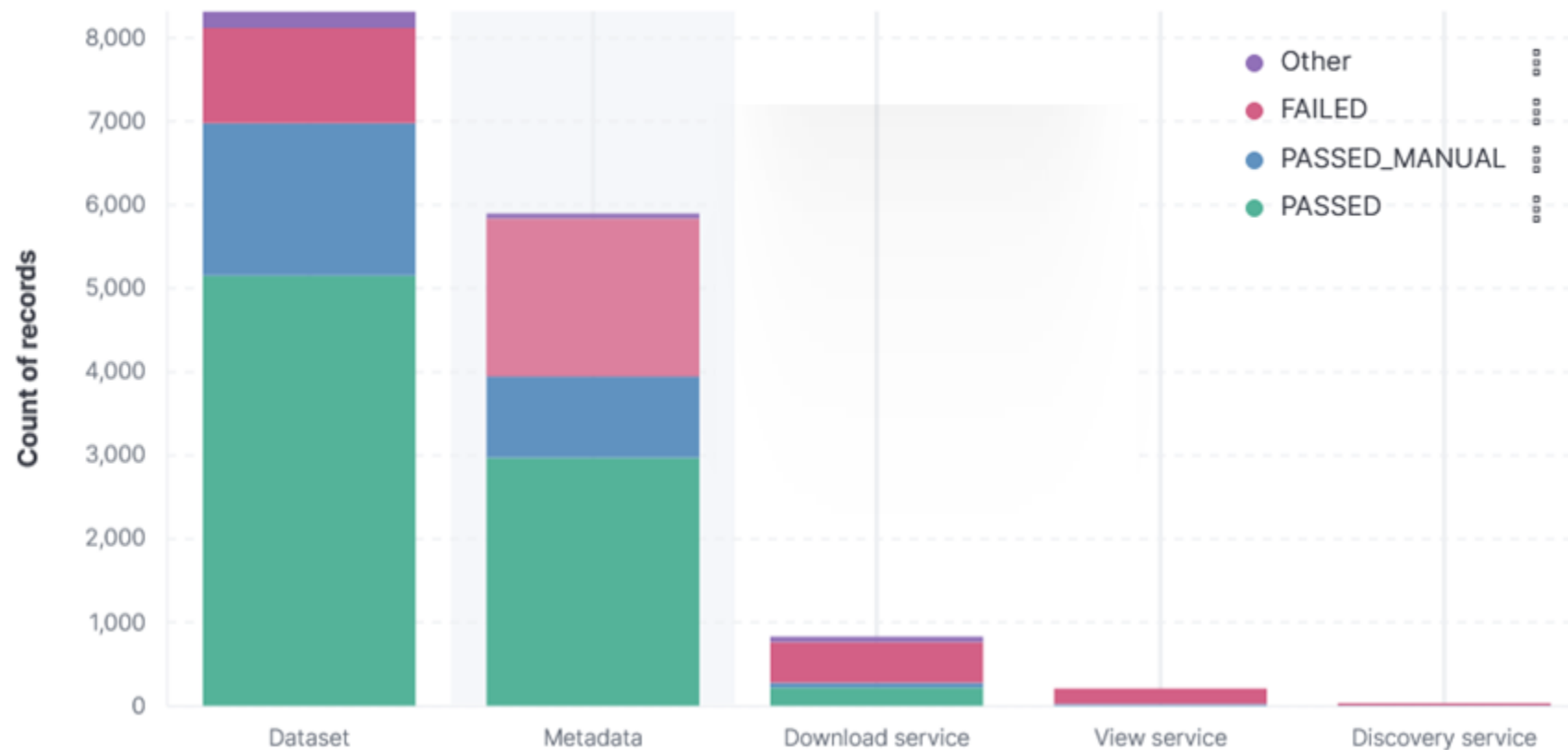
Status Failed
Duration 0.498 s

am-gml.b.1: validate XML documents against official schema

Validate each document against the latest INSPIRE official schema(s): <https://inspire.ec.europa.eu/schemas/am/4.0/AreaManagementRestrictionRegulationZone.xsd>, using strict XML schema validation.

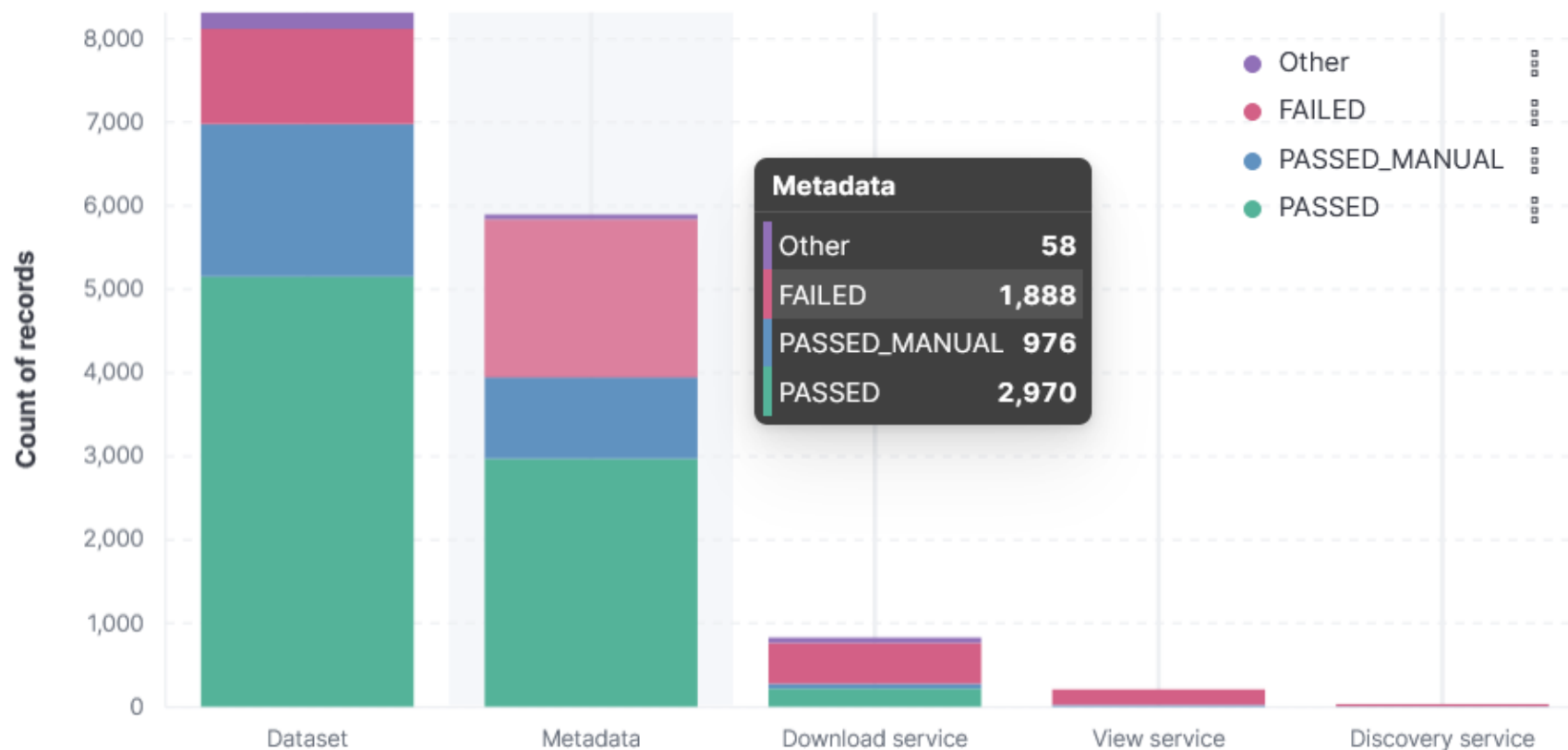
Statistics on the use of the Validator

- Ingestion of information from Validator logs in ElasticSearch / Kibana:
 - purpose: assess the actual use of the Validator and calculate custom statistics



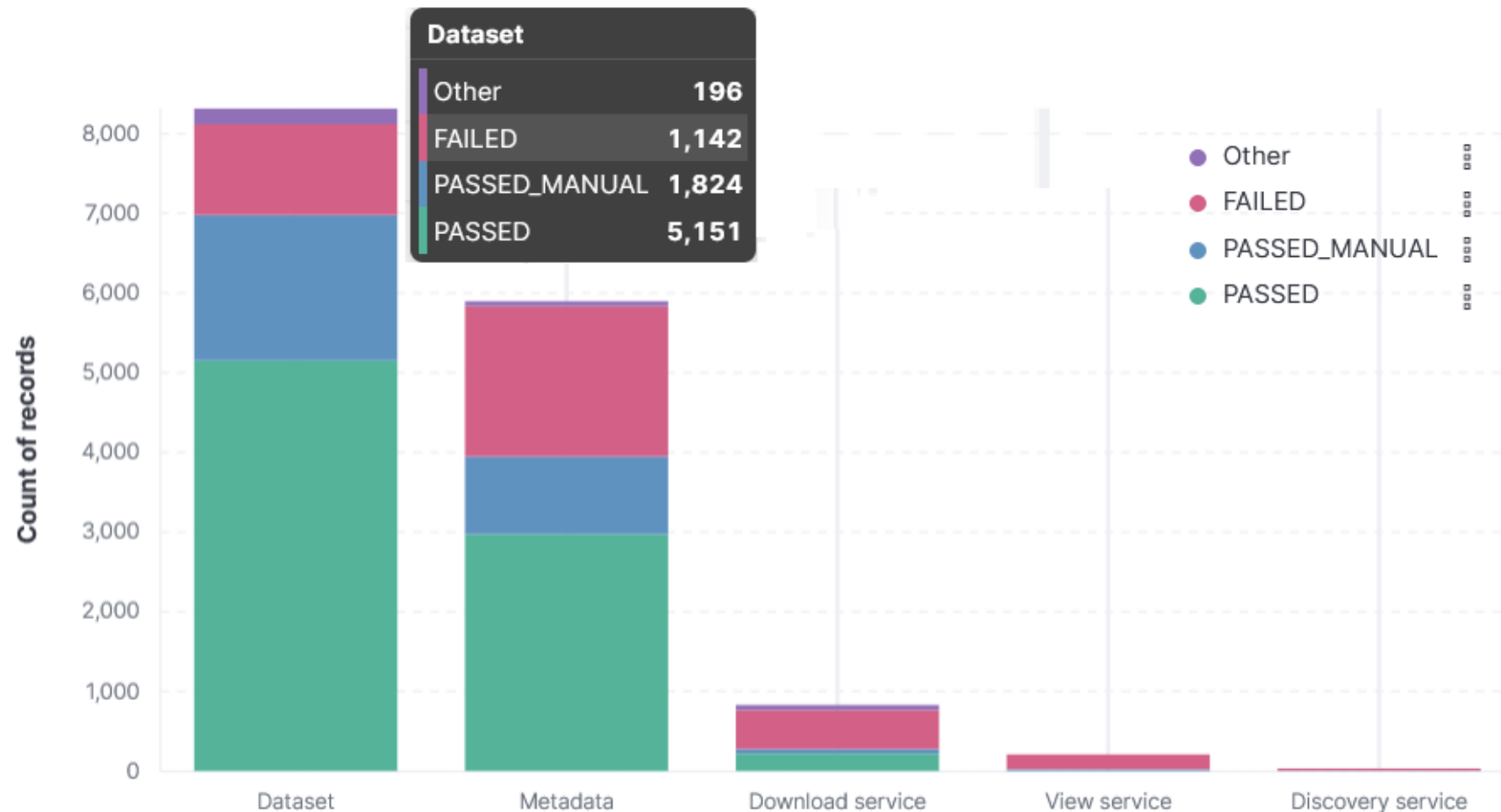
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Thank you!



marco.minghini@ec.europa.eu



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