

# INSPIRE Reference Validator: status and next steps

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Bucharest, 28/08/2019



# INSPIRE Directive



DIRECTIVE 2007/2/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 14 March 2007

establishing an Infrastructure for Spatial Information in the European Community (INSPIRE)

- Aims to create a **European SDI** for the purposes of EU **environmental policies**.
- Provides a comprehensive framework for **interoperability of spatial data**:
  - inventory (monitoring of implementation)
  - **data** & service sharing
  - data & service discovery (**metadata**)
  - **network services**
  - data interoperability
- based on the SDIs established and operated by the EU Member States

# Implementing Rules (IR), Technical Guidelines (TG) and tools

“What Member States must implement”  
(abstract specification)

**legally binding**

Directive

Commission Regulation

**not legally binding**

Technical Guidelines

“How Member States might implement it”  
(implementation specification)

Tools implementing INSPIRE requirements

INSPIRE Directive 2007/2/EC

Implementing Rules

TG – Network Services

TG – Data Specifications

TG – Metadata

INSPIRE Validator

# INSPIRE Reference Validator

- Reasons to develop a common validator:
  - help Member States data providers **test resources** (metadata, data sets and network services) against INSPIRE requirements
  - help INSPIRE coordinators (DG ENV, JRC & EEA) and national coordinators **check INSPIRE implementation progress** in Member States & across Europe
    - support Monitoring and Reporting
  - help solution providers **check their software solutions** against INSPIRE requirements
  - **align existing validation services** in JRC and some Member States
    - need for consistent results & exploit synergies
- Supported by **ARE3NA & ELISE actions** under ISA/ISA<sup>2</sup> programmes

# INSPIRE Reference Validator – Components

# INSPIRE Reference Validator – Components



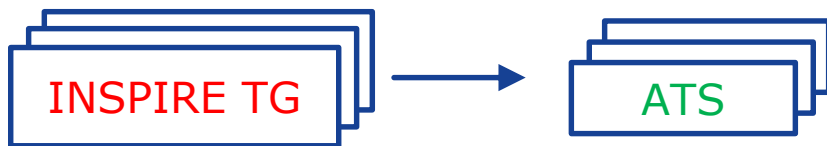
**INSPIRE Technical Guidelines (TG)**

requirements for all INSPIRE resources

# INSPIRE Reference Validator – Components

## Abstract Test Suites (ATS)

high-level descriptions of test cases



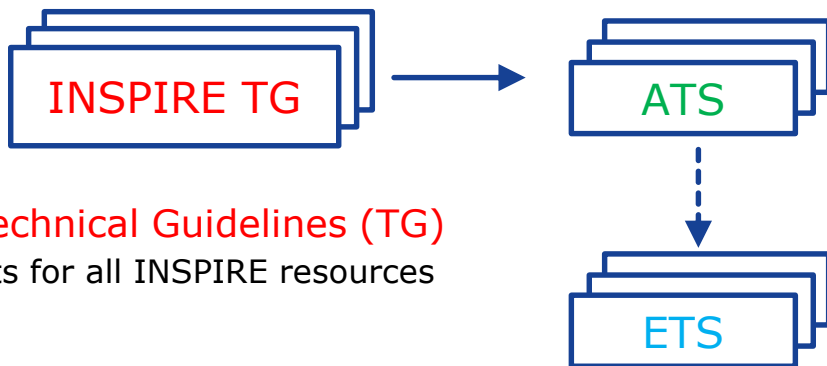
## INSPIRE Technical Guidelines (TG)

requirements for all INSPIRE resources

# INSPIRE Reference Validator – Components

## Abstract Test Suites (ATS)

high-level descriptions of test cases



## INSPIRE Technical Guidelines (TG)

requirements for all INSPIRE resources

## Executable Test Suites (ETS)

lower-level descriptions of test cases



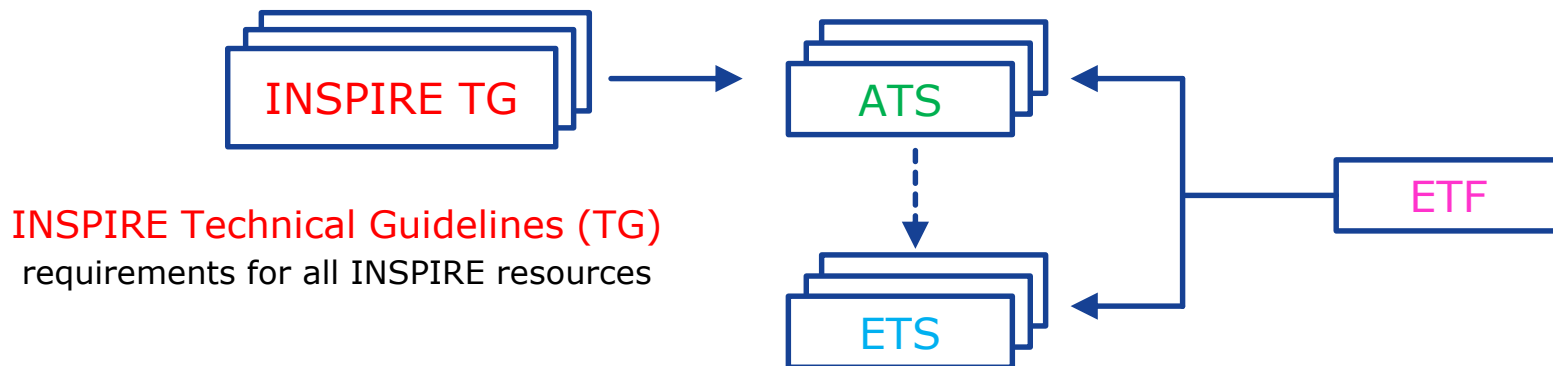
# INSPIRE Reference Validator – Components

## Abstract Test Suites (ATS)

high-level descriptions of test cases

## Testing Framework (ETF)

software where ETS are run



## Executable Test Suites (ETS)

lower-level descriptions of test cases

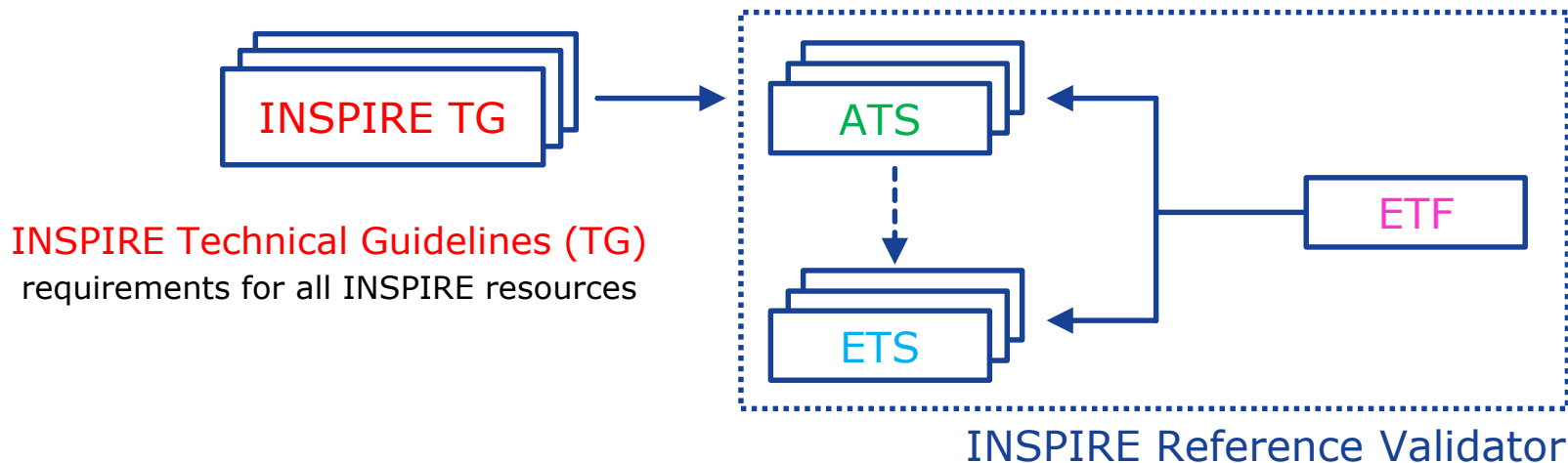
# INSPIRE Reference Validator – Components

## Abstract Test Suites (ATS)

high-level descriptions of test cases

## Testing Framework (ETF)

software where ETS are run

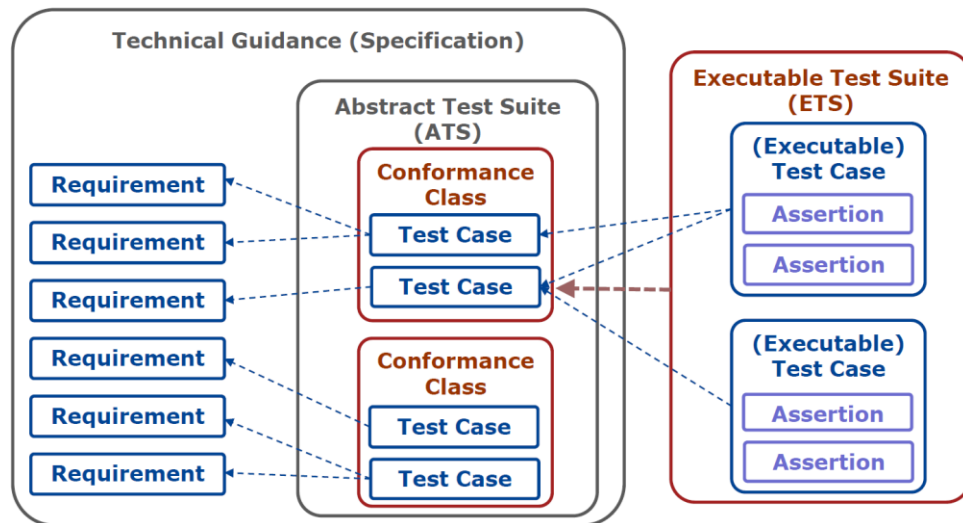


## Executable Test Suites (ETS)


lower-level descriptions of test cases

# Abstract & Executable Test Suites (ATS, ETS)

- Test cases covering all requirements of INSPIRE TG are organized in ATS:
  - grouped in Conformance Classes
- Executable tests implemented for the agreed ATS:
  - testing all assertions included in each test case
- Agreed by the MIG-T through sub-group 2017.4 on validation and conformity testing



# Abstract Test Suites (ATS)



## INSPIRE Validation & conformity testing

Workspace for INSPIRE action 2017.4 on validation & conformity testing

<https://webgate.ec.europa.eu/fpfis/wikis/x/9lqgE>

Repositories 25PackagesPeople 14Teams 3ProjectsSettings

### metadata

Abstract Test Suite for the Technical Guidelines for INSPIRE Metadata based on EN ISO 19115 and EN ISO 19119

CC0-1.0 11 2 12 (1 issue needs help) 0 Updated 18 days ago

### discovery-service

Abstract Test Suite for the Technical Guidance for INSPIRE Discovery Services

CC0-1.0 1 0 34 2 Updated 19 days ago

### view-service

Abstract Test Suite for the Technical Guidance for the implementation of INSPIRE View Services

CC0-1.0 3 0 4 0 Updated on Jun 26

### download-service

Abstract Test Suite for the Technical Guidance for the implementation of INSPIRE Download Services

CC0-1.0 4 1 11 0 Updated on Jun 11

- All the ATS are maintained on GitHub, licensed under **CC0**:
  - Metadata **NEW** (MD TG 2.0)
  - Discovery Services **NEW**
  - View Services **NEW**
  - Download Services **NEW** (WCS, SOS)
  - Data specifications
  - Data encoding
  - Annex I data specifications

<https://github.com/inspire-eu-validation>

# Abstract Test Suites (ATS) – Example

## 3.1.2.3 Spatial resolution

Spatial resolution refers to the level of detail of the data set. It shall be expressed as a set of zero to many resolution distances (typically for gridded data and imagery-derived products) or equivalent scales (typically for maps or map-derived products).

INSPIRE TG

### 6.2. Spatial resolution

*Spatial resolution refers to the level of detail of the data set. It shall be expressed as a set of zero to many resolution distances (typically for gridded data and imagery-derived products) or equivalent scales (typically for maps or map-derived products).*

*An equivalent scale is generally expressed as an integer value expressing the scale denominator.*

*A resolution distance shall be expressed as a numerical value associated with a unit of length.*

The [Regulation 1205/2008], Part B, 6.2 describes an element intended for describing this information: The multiplicity of this element as defined in [Regulation 1205/2008], Part C, Table 1 is zero or more, and it is "mandatory for data sets and data set series if an equivalent scale or a resolution distance can be specified."

### TG Requirement 1.5: metadata/2.0/req/datasets-and-series/spatial-resolution

Spatial resolution for data set or data set series shall be given using either equivalent scale or a resolution distance, provided that these have been specified for the described data sets. If both ways have been specified, only one of the ways shall be used.

The spatial resolution as equivalent scale shall be encoded using `gmd:spatialResolution/gmd:MD_Resolution/gmd:equivalentScale/gmd:MD_RepresentativeFraction/gmd:denominator/gco:Integer` element.

The spatial resolution as resolution distance shall be encoded using `gmd:spatialResolution/gmd:MD_Resolution/gmd:distance/gco:Distance` element.

The multiplicity of this element is 0..n.

## Spatial Resolution

Purpose: Test that the spatial resolution is defined using either an scale or a distance resolution.

Prerequisites

Test method

- For every [Spatial Resolution](#),
  - Check that [Equivalent Scale](#) or [Distance](#) element exists.
- Check that all the [Spatial Resolution](#) children are either [Equivalent Scale](#) or [Distance](#) but not both.
- If any of the checks fails, the test fails.

Reference(s)

- [TG MD 3.1.2.3](#), Req 1.5

Test type: Automated

Notes

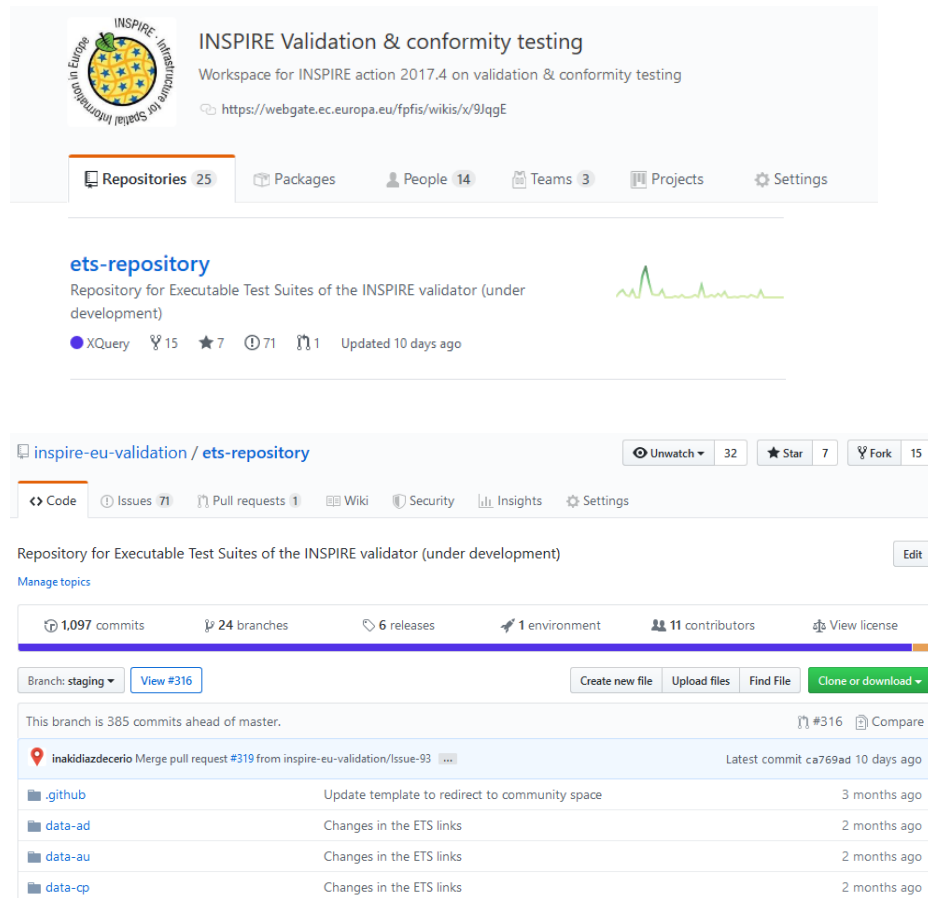
The multiplicity of this element is zero or more.

## Contextual XPath references

The namespace prefixes used as described in [README.md](#).

Abbreviation	XPath expression (relative to <code>/gmd:MD_Metadata/gmd:identificationInfo/gmd:MD_DataIdentification/gmd:spatialResolution</code> )
Spatial Resolution	<code>/gmd:MD_Metadata/gmd:identificationInfo/gmd:MD_DataIdentification/gmd:spatialResolution</code>
Equivalent Scale	<code>gmd:MD_Resolution/gmd:equivalentScale</code>
Distance	<code>gmd:MD_Resolution/gmd:distance</code>

# Executable Test Suites (ETS)



The screenshot shows the GitHub repository page for 'INSPIRE Validation & conformity testing'. The repository is part of the 'inspire-eu-validation' organization. It is described as a 'Workspace for INSPIRE action 2017.4 on validation & conformity testing'. The repository is under development and contains 'Executable Test Suites of the INSPIRE validator'. It has 25 repositories, 14 people, 3 teams, and 1 project. The repository is licensed under EUPL v1.2. The repository is currently on the 'staging' branch, which is 385 commits ahead of master. The latest commit is by 'inakidiazdecerio' and is titled 'Merge pull request #319 from inspire-eu-validation/Issue-93'. The commit message is 'Update template to redirect to community space'. The repository has 1,097 commits, 24 branches, 6 releases, 1 environment, and 11 contributors. The repository is currently on the 'staging' branch, which is 385 commits ahead of master. The latest commit is by 'inakidiazdecerio' and is titled 'Merge pull request #319 from inspire-eu-validation/Issue-93'. The commit message is 'Update template to redirect to community space'. The repository has 1,097 commits, 24 branches, 6 releases, 1 environment, and 11 contributors.

INSPIRE Validation & conformity testing  
Workspace for INSPIRE action 2017.4 on validation & conformity testing  
<https://webgate.ec.europa.eu/fpfis/wikis/x/9lqgE>

Repositories 25 Packages People 14 Teams 3 Projects Settings

**ets-repository**  
Repository for Executable Test Suites of the INSPIRE validator (under development)

XQuery 15 ★ 7 ⓘ 71 ⓘ 1 Updated 10 days ago

inspire-eu-validation / ets-repository

Unwatch 32 ★ Star 7 🍴 Fork 15

Code Issues 71 Pull requests 1 Wiki Security Insights Settings

Repository for Executable Test Suites of the INSPIRE validator (under development) Edit

Manage topics

1,097 commits 24 branches 6 releases 1 environment 11 contributors View license

Branch: staging View #316 Create new file Upload files Find File Clone or download

This branch is 385 commits ahead of master. #316 Compare

inakidiazdecerio Merge pull request #319 from inspire-eu-validation/Issue-93 Latest commit ca769ad 10 days ago

.github	Update template to redirect to community space	3 months ago
data-ad	Changes in the ETS links	2 months ago
data-au	Changes in the ETS links	2 months ago
data-cp	Changes in the ETS links	2 months ago

- All the ETS are maintained on GitHub, licensed under **EUPL v1.2**:
  - Metadata **NEW (MD TG 2.0)**
  - Discovery Services **NEW**
  - View Services **NEW**
  - Download Services **NEW (WCS, SOS)**
  - Data specifications
  - Data encoding
  - Annex I data specifications

<https://github.com/inspire-eu-validation/ets-repository>

# Executable Test Suites (ETS) – Example

## Spatial Resolution

**Purpose:** Test that the spatial resolution is defined using either an scale or a distance resolution.

**Prerequisites**

**Test method**

- For every [Spatial Resolution](#),
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- Check that all the [Spatial Resolution](#) children are either [Equivalent Scale](#) or [Distance](#) but not both.
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**Reference(s)**

- [TG MD 3.1.2.3](#), Req 1.5

**Test type:** Automated

**Notes**

The multiplicity of this element is zero or more.

## Contextual XPath references

The namespace prefixes used as described in [README.md](#).

Abbreviation	XPath expression (relative to /gmd:MD_Metadata/gmd:identificationInfo/gmd:MD_DataIdentification/gmd:spatialResolution)
Spatial Resolution	/gmd:MD_Metadata/gmd:identificationInfo/gmd:MD_DataIdentification/gmd:spatialResolution
Equivalent Scale	gmd:MD_Resolution/gmd:equivalentScale
Distance	gmd:MD_Resolution/gmd:distance

ATS

ETS

```
<TestAssertion id="EID82a0442f-0185-4d6a-9b4e-0b7356613de7">
  <label>md datasets-and-series 1.5: Spatial Resolution</label>
  <description><![CDATA[<p>Test that the spatial resolution is defined using either an scale
  <p>More information: <a href="http://inspire.ec.europa.eu/id/ats/metadata/2.0/datasets-and-
  <parent ref="EIDc0a43a9d-c2bc-4ea7-a8bb-8e966700f141"/
  <expectedResult>NOT_APPLICABLE</expectedResult>
  <expression>
```

```
let $regex_integer := '^(\d{1,40})$'
let $regex_float := '^-\?\d+\.\d{2,}'
let $messages :=
  (for $record in $records
    let $countResolutions := count($record/gmd:identificationInfo[1]/*gmd:spatialResolution)
    let $countScale := count($record/gmd:identificationInfo[1]/*gmd:spatialResolution/gmd:MD_Resolution/gmd:equivalentScale)
    let $countDistance := count($record/gmd:identificationInfo[1]/*gmd:spatialResolution/gmd:MD_Resolution/gmd:distance)
    let $invalidScale :=
      for $x in $record/gmd:identificationInfo[1]/*gmd:spatialResolution/gmd:MD_Resolution/gmd:equivalentScale
      return
      if(matches($x/text(), $regex_integer)) then ()
      else $x
    let $invalidDistance :=
      for $x in $record/gmd:identificationInfo[1]/*gmd:spatialResolution/gmd:MD_Resolution/gmd:distance
      return
      if(matches($x/text(), $regex_float)) then ()
      else $x
    let $rid := $record/gmd:fileIdentifier/*text()
    return
    if (($countResolutions > 0) and ($countScale = 0) and ($countDistance = 0)) then
      local:addMessage('TR.noResolutions', map { 'filename': local:filename($record), 'id': $rid
    else if(count($invalidScale) != 0) then
      local:addMessage('TR.invalidScale', map { 'filename': local:filename($record), 'id': $rid,
    else if(count($invalidDistance) != 0) then
```

[https://github.com/inspire-eu-validation/ets-repository/blob/2.0/metadata/2.0/datasets-and-series/sample\\_ets\\_2.0.xml](https://github.com/inspire-eu-validation/ets-repository/blob/2.0/metadata/2.0/datasets-and-series/sample_ets_2.0.xml)

# Testing Framework (ETF)



- A **Testing Framework** is a software to run ETS.
- **INSPIRE Validator** makes use and further extends **ETF**:
  - a testing framework to validate data, metadata & web services in SDIs
  - developed since 2010
  - open source under **EUPL v1.2**
  - current version: 2.0 (January 2019)
  - ETF design goals:
    - user-friendly
    - consistent with the **standards** (ISO/OGC)
    - capable of testing all resources in an SDI
  - manuals for users, developers and admins (<http://docs.etf-validator.net>)

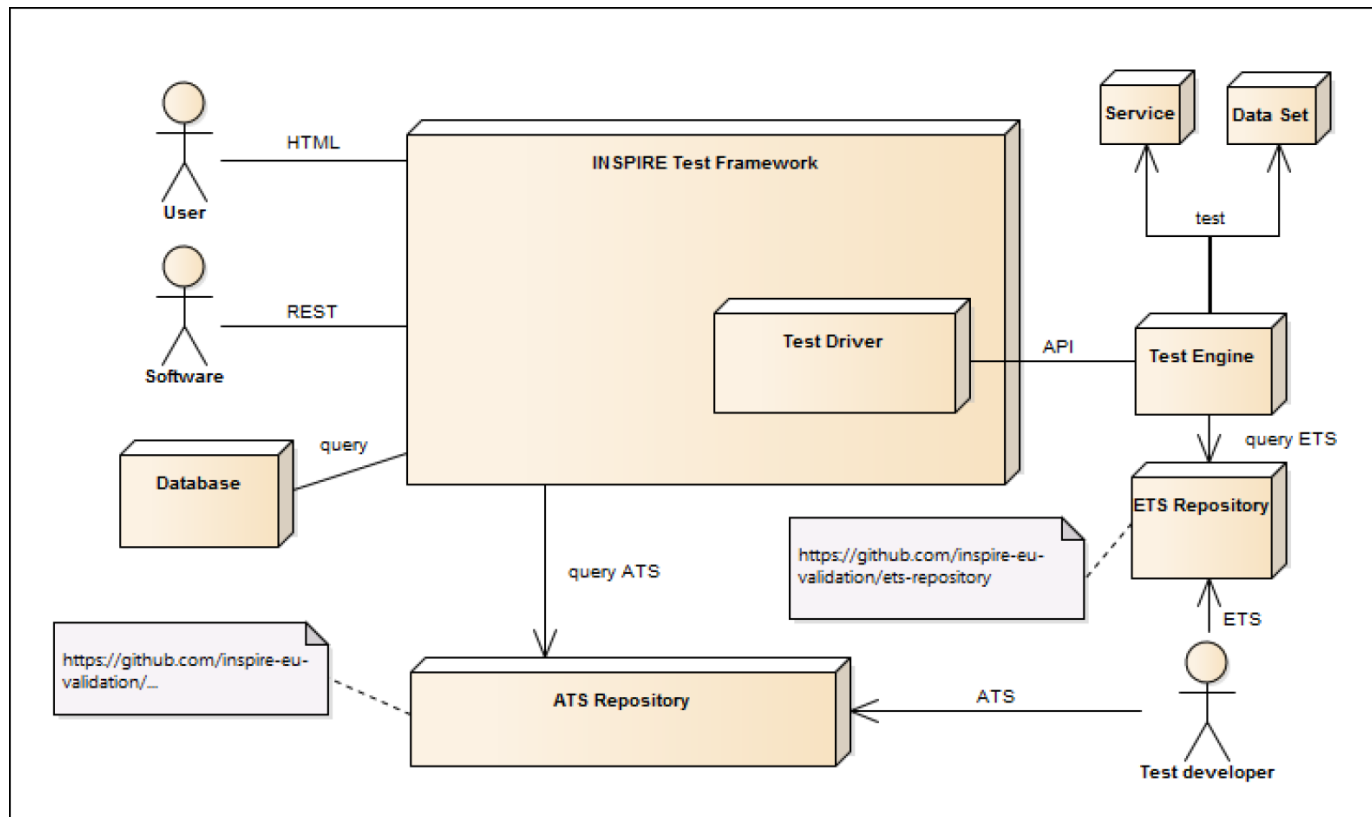


# Testing Framework (ETF)



- Any ETF deployment is composed of:
  - a **database**
  - one or more **test engines**
  - a **servlet container**
- Currently supported test engines to execute ETS are:
  - **SoapUI** for testing web services
  - **BaseX** for testing sets of XML documents
  - **TEAM Engine** – the tool used by the OGC CITE tests
- ETF can be used by:
  - a responsive **web application** (<https://github.com/etf-validator/etf-webapp>)
  - a **REST API** ([http://docs.etf-validator.net/v2.0/Developer\\_manuals/WEB-API.html](http://docs.etf-validator.net/v2.0/Developer_manuals/WEB-API.html))
- The easiest way to deploy ETF is a **Docker** container, available on Docker Hub.

# Testing Framework (ETF) – Technical context



# INSPIRE Validator – Web application

- 2 instances:
  - **staging** instance (<http://staging-inspire-validator.eu-west-1.elasticbeanstalk.com/etf-webapp>)
    - includes **bug fixes & latest features** for testing purposes
  - **production** instance (<http://inspire.ec.europa.eu/validator>)
    - includes only **consolidated developments**


# INSPIRE Validator – Web application


- 2 instances:
  - **staging** instance (<http://staging-inspire-validator.eu-west-1.elasticbeanstalk.com/etf-webapp>)
    - includes **bug fixes & latest features** for testing purposes
  - **production** instance (<http://inspire.ec.europa.eu/validator>)
    - includes only **consolidated developments**
- Both instances deployed on the **cloud**:
  - improve **performance**
  - keep up with peaks of requests
  - minimize downtime on maintenance
    - horizontal & vertical **scaling**


# INSPIRE Validator – Web application


- Select the Conformance Class(es) to test:


ETF

 Start test


 Status

 Test reports


 Help

 About

Metadata (TG version 1.3)


 Conformance class: INSPIRE Profile based on EN ISO 19115 and EN ISO 19119


Start


 Conformance class: Metadata for interoperability

use


Metadata (TG version 2.0) - BETA

 Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records.


 Conformance Class 1: INSPIRE data sets and data set series baseline metadata.

 Conformance Class 2: INSPIRE data sets and data set series interoperability metadata.


use

 Conformance Class 3: INSPIRE Spatial Data Service baseline metadata.


use

 Conformance Class 4: INSPIRE Network Services metadata.


use

 Conformance Class 5: INSPIRE Invocable Spatial Data Services metadata.

use

 Conformance Class 6: INSPIRE Interoperable Spatial Data Services metadata.

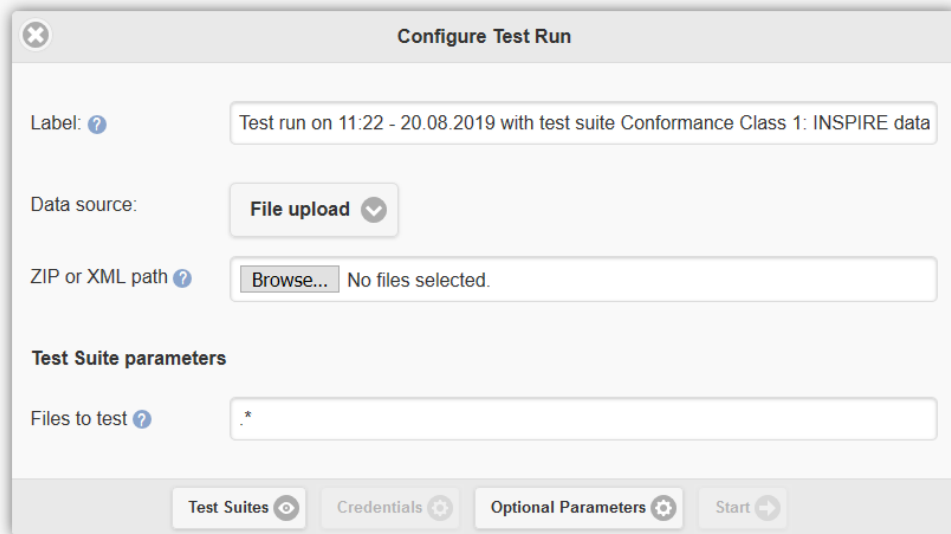
use

 Conformance Class 7: INSPIRE Harmonised Spatial Data Services metadata.

use

# INSPIRE Validator – Web application

- Upload/link the resource to test:




The screenshot shows a 'Configure Test Run' dialog box with the following fields and controls:

- Label:** A text field containing 'Test run on 11:22 - 20.08.2019 with test suite Conformance Class 1: INSPIRE data'.
- Data source:** A dropdown menu currently showing 'File upload'.
- ZIP or XML path:** A text field with a 'Browse...' button and the text 'No files selected.'.
- Test Suite parameters:** A section header.
- Files to test:** A text field containing '.\*'.

At the bottom of the dialog, there are four buttons: 'Test Suites' (with an eye icon), 'Credentials' (with a gear icon), 'Optional Parameters' (with a gear icon), and 'Start' (with a right arrow icon).

# INSPIRE Validator – Web application

- Access the HTML test report:



Test run on 11:22 - 20.08.2019 with test suite Conformance Class 1: INSPIRE data sets and data set series baseline metadata.

StatusFailed

Started20/08/2019 09:27:30 GMT

Duration26 s

	Total	Count	Skipped	Failed	Warnings	Manual
Test suites	2	0	1	0	0	
Test cases	6	0	1	0	0	
Assertions	31	0	1	0	0	

Show

☒ All

☐ Only failed

☐ Only manual

Level of detail

☐ All details

☐ Less information

☒ Simplified

+ Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records.

Failed: 1 / 3

+ Conformance Class 1: INSPIRE data sets and data set series baseline metadata.

3

Report generated by ETF

# INSPIRE Testing Validator – Web application

- Access the HTML test report:

Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records.

Failed: 1 / 3

**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 polymorphism and containment by reference (see the [Technical Guidance](#), sub-clauses A.3, A.4 and A.5) are not supported. However, the current Abstract Test Suite does not support polymorphism and references either (all XPath expressions do not support polymorphism or references; in addition, schema validation is only executed against the ISO/OGC schemas without extensions). It is therefore unclear if this is really a limitation or if the sections in the technical guidance are outdated.

Source: [Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records](#)

**Status** Failed  
**Duration** 23 s  
**Version** 0.1.1

General requirements

Failed: 1 / 5

Execute tests that apply for all metadata records on elements that are directly child elements of the root node of the XML document: MD\_Metadata node.

**Status** Failed  
**Duration** 23 s

+ md common req C.1: XML Schema

✓ md common req C.2: Root Element

md common req C.5: Language Code

Test that a resource language is given pointing to one of the official languages of the Community expressed in conformity with ISO 639-2


More information: [Metadata Language](#)





# INSPIRE Validator – Web application


- Access the list of test reports:


ETF

Start test

Status

Test reports

Help

About

## Test reports

The test reports are kept for a limited time (8 days). After expiration of this time, test reports, log files, attachments and all test data are deleted automatically after midnight. Test reports can be saved using the 'Download test report' buttons.

Q Filter Test Reports...

20.08.2019

–

Test run on 14:19 - 20.08.2019 with test suite Conformance Class 3: INSPIRE Spatial Data Service baseline metadata.


Started: 14:26 - 20.08.2019


Status: At least one test failed


Used test object: [54622bbb-6730-4697-82be-6a64c0a80137.xml](#)


Used test suites:


- Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records.
- Conformance Class 3: INSPIRE Spatial Data Service baseline metadata.

Open report

Download report

Open log

Delete report

Run test again

+

Test run on 14:21 - 20.08.2019 with test suite Conformance Class: Download Service - Direct WFS

+

Test run on 14:09 - 20.08.2019 with test suite Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records. and one more test suite

+

Test run on 13:07 - 20.08.2019 with test suite Conformance class: INSPIRE Profile based on EN ISO 19115 and EN ISO 19119

+


Test run on 16:04 - 20.08.2019 with test suite Conformance class: Application schema, Air Transport Networks


+

Test run on 14:02 - 20.08.2019 with test suite Conformance Class 1: INSPIRE data sets and data set series baseline metadata.

# INSPIRE Validator – REST API

- Documented using OpenAPI:

 **swagger**

default (/v2/api-docs) 

**Explore**

### ETF Web API

This is an interactive documentation and a web user interface for interacting with the Web API version 2 of the test framework [ETF](#). This semi-automatic generated documentation covers basic functionality, but consulting the [API Documentation](#) may be required to get a deeper understanding of the ETF model and further procedures. Issues can be reported in [GitHub](#).

Content negotiation is not supported and therefore JSON is always returned for endpoints without file extension. For most operations, a link to the XML response schema is provided in the implementation nodes. JSON responses are derived from XML the response schema, based on this [stylesheet](#).

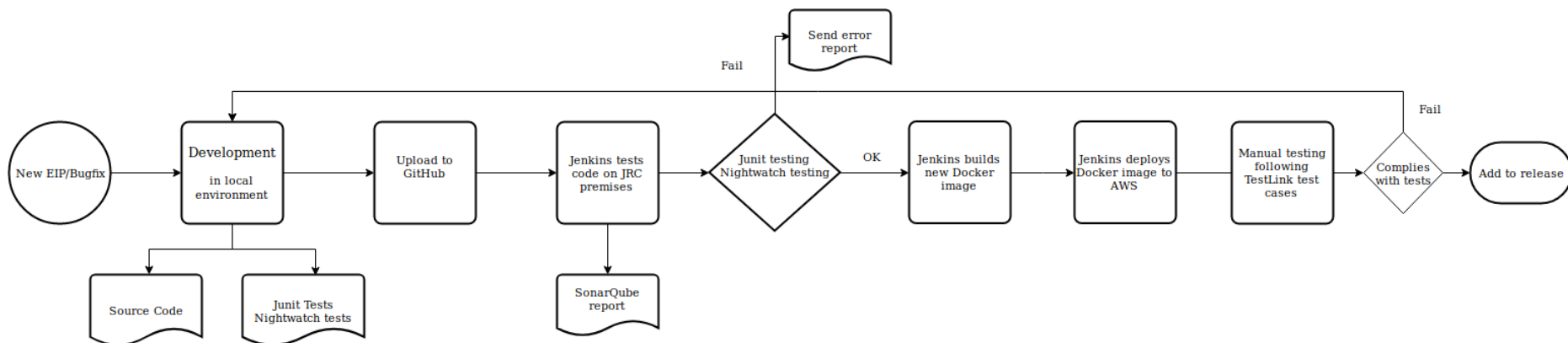
[Back to user interface](#)

Created by ETF Team  
See more at <http://www.etf-validator.net>  
[Contact the developer](#)  
[European Public License 1.2](#)

1. Service Status : Monitor service workload and health	Show/Hide	List Operations	Expand Operations
2. Service Capabilities : Retrieve test framework metadata	Show/Hide	List Operations	Expand Operations
3. Manage Test Objects : Define Test Objects and upload test data	Show/Hide	List Operations	Expand Operations
4. Manage Test Runs : Start and control test runs	Show/Hide	List Operations	Expand Operations
5. Test Run Results : Retrieve test results	Show/Hide	List Operations	Expand Operations
GET /v2/TestRuns.json	Get multiple Test Results as JSON		
GET /v2/TestRuns.xml	Get multiple Test Results as XML		
DELETE /v2/TestRuns/{id}	Cancel and delete a Test Run		
GET /v2/TestRuns/{id}	Get a single Test Result as JSON		
HEAD /v2/TestRuns/{id}	Check if the Test Run exists		
GET /v2/TestRuns/{id}.html	Generate a HTML Test Report		

# INSPIRE Validator – Future developments

- Continuous **testing & integration** of new ETS and ETF developments



- Provision of **additional download formats** for test reports (including PDF)
- Separation of **automatic from manual tests** in the test report
- Improvement in **filtering test reports** (by tags, date and conformance class)
- Provision of simplified ways to start tests

# INSPIRE Validator – Future developments

- Visual improvement of test reports with graphics



- Restyle of the web application UI in line with the EU Commission guidelines

# Testing Framework (ETF) – Governance



- **Steering Group (SG):** Project Governance
  - very significant contributions: Organizations and Developers
  - voting system: consensus of all members (where possible)
  - inaugural members: JRC, interactive instruments
- **Technical Committee (TC):** Technical management
  - proven technical capacity over time
  - TC analyzes and propose candidates
  - SG assesses and accepts/rejects new TC members proposal
- **Developers:** Project Contributions
  - regulated by EUPL & Developer Certificate of Origin (DCO)

# Testing Framework (ETF) – Governance



ETF

Repositories 19 People 5 Teams 2 Projects 3 Settings

ETF Improvement Proposals (EIPs)   
Updated 28 days ago

Filter cards

Filter cards

15

Proposer: draft/refine EIP

1

Add new result status

governance#24 opened by jonherrmann

EIP

2

Refresh BaseX DB at given intervals, but not during startups

governance#45 opened by michellutz

EIP

3

Performance optimisations of the geometry validation module (GmlGeoX) [DRAFT]

governance#57 opened by jonherrmann

EIP-draft

4

New module for testing topological errors in spatial data [DRAFT]

governance#59 opened by jonherrmann

EIP-draft

5

Schema validation cache [DRAFT]

governance#49 opened by jonherrmann

EIP-draft

6

Web interface for organization-internal workflows

governance#27 opened by jonherrmann

EIP-draft

7

Separate automatic from manual checks

governance#61 opened by MarcoMinghini

EIP

1

SG: discussion

1

Simplify the customization of the ETF header/footer

governance#67 opened by MarcoMinghini

EIP

5

TC: analysis

1

Adding support for SOS ETS

governance#65 opened by carlospzurita

EIP-draft

2

Adding support for WCS ETS

governance#66 opened by carlospzurita

EIP-draft

3

Load (at least) the most used Test Suites in memory

governance#44 opened by michellutz

EIP

4

Test reports: Support printable version

governance#31 opened by michellutz

EIP

5

Visual improvement of test reports

governance#60 opened by MarcoMinghini

EIP

7

TC: in release planning

1

Reusable Test Objects

governance#26 opened by jonherrmann

EIP-approved

2

Test Run Templates

governance#28 opened by jonherrmann

EIP-approved

3

Open log view in new tab

governance#34 opened by michellutz

EIP-approved

4

Add a Rerun button

governance#18 opened by jonherrmann

EIP-approved

5

Introduce a parameter to control the maximum number of threads

governance#48 opened by michellutz

EIP-approved

6

Support to cloud deployment

governance#13 opened by robsgnao

EIP-approved

7

Show ETS dependencies in user view

governance#30 opened by michellutz

EIP-approved

1

TC: scheduled for release

1

Custom properties in test model items

governance#25 opened by jonherrmann

EIP-approved

0


Implemented

Automated as Done Manage



# INSPIRE Validation Community

- The central place of interaction for the INSPIRE community:
  - changelog & release planning
  - helpdesk to
    - report problems
    - propose new features
    - open discussions



INSPIRE Validation & conformity testing

Workspace for INSPIRE action 2017.4 on validation & conformity testing

<https://webgate.ec.europa.eu/fpfis/wikis/x/9lqgE>

Repositories 25

Packages

People 15

Teams 3

Projects

Settings

community

Community discussion forum for INSPIRE validation issues

7 8 65 2 Updated 16 days ago

inspire-eu-validation / community

Unwatch 34 Star 8 Fork 7

Code Issues 65 Pull requests 2 Projects 0 Wiki Security Insights Settings

Community discussion forum for INSPIRE validation issues

Manage topics

95 commits 2 branches 0 releases 6 contributors

Branch: master New pull request

Create new file Upload files Find File Clone or download

fabiovin NetworkService-WMS Metadata 2.0 example Latest commit 414c908 22 days ago

.github/ISSUE_TEMPLATE	Update problem.md	11 months ago
examples	NetworkService-WMS Metadata 2.0 example	22 days ago
README.md	Update README.md	2 months ago
changelog.md	Update changelog.md	2 months ago
release_planning.md	Update release_planning.md	29 days ago

README.md

## IMPORTANT - Please read carefully!

The old instance of the Validator has been just replaced by [the new cloud instance](#), where you can test additional resources (please refer to the [release planning](#) for details).

## INSPIRE Validation Community

This space is used for discussions and announcements around INSPIRE validation & conformity testing.

Use the issue tracker to

- [report a problem](#) with the INSPIRE validator or test results,
- [propose a new feature](#) or [an improvement](#) to the existing functionality of the INSPIRE validator, or
- [start a discussion or raise a question](#) on the INSPIRE validator

See the [changelog](#) and the [release planning](#) for the current features and the future development/release plans for the ATS & ETS development corresponding to the [Staging instance](#) and the [Production instance](#) of the INSPIRE Reference Validator. For the roadmap of the ETF software, refer to the [project board](#) of the ETF-Validator project.

<https://github.com/inspire-eu-validation/community>

# INSPIRE Validation Community – Helpdesk

- Use of **labels** to track the implementation status according to the workflow
- **Contributors' guidelines** (for pull requests) under development



<input type="checkbox"/>	<span>65 Open</span> <span>14 Closed</span>	Author ▼	Labels ▼	Projects ▼	Milestones ▼	Assignee ▼	Sort ▼
<input type="checkbox"/>	<span>🔔</span> Schema Validation error with gmd:report/gmd:DQ_AbsoluteExternalPositionalAccuracy <b>under analysis</b> #99 opened 6 days ago by sparlar						🗨 1
<input type="checkbox"/>	<span>🔔</span> NetworkService_WMS_metadata_2.0_example fails GEMINI 2.3 validator <b>under analysis</b> #96 opened 21 days ago by nmtoken						🗨 4
<input type="checkbox"/>	<span>🔔</span> Metadata dataset: Resource Locator / Check that at least one resource locator is defined. <b>for-2017.4-discussion</b> #95 opened 21 days ago by fixprunayre						🗨 1
<input type="checkbox"/>	<span>🔔</span> Metadata dataset: Resource Locator / Add some context so that end user knows what the test is looking at. <b>under development</b> #94 opened 21 days ago by fixprunayre						🗨 4
<input type="checkbox"/>	<span>🔔</span> Validate XML documents - how to express year only dates <b>solved</b> #89 opened 28 days ago by felnne						🗨 11
<input type="checkbox"/>	<span>🔔</span> Metadata 2.0 XML schema validation <b>ready for testing</b> #85 opened on Jul 10 by skafka						🗨 2



# INSPIRE Validator – Future work

- Use of the INSPIRE Validator to test metadata conformity within 2020 Monitoring and Reporting
- Development of [new ATS/ETS](#) on:
  - Annex II/III data specifications
  - coverage data sets
  - [new validation requirements](#) emerging from INSPIRE MIWP
    - alternative encodings (GeoJSON)
    - simplification of data-service linking
- [Workshop](#) on the INSPIRE Validator
  - October 1-2, 2019 at the JRC
  - separate sessions for users & developers

# Thank you!

## Questions?

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@MarcoMinghini

# Inspire Helsinki 2019

22–24 October, Finland



- Organised by the Finnish National Land Survey and Ministry of Agriculture and Forestry & supported by the JRC of the European Commission and Spatineo.
- A technical event focused on **new technologies** for geospatial data:
  - keynote presentations
  - hands-on workshops
  - data challenges
    - team registration open until **September 8, 2019**
    - **prizes and benefits** worth more than 20'000€!

# Stay in touch



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YouTube: [\*\*\*EU Science Hub\*\*\*](https://www.youtube.com/EU_Science_Hub)