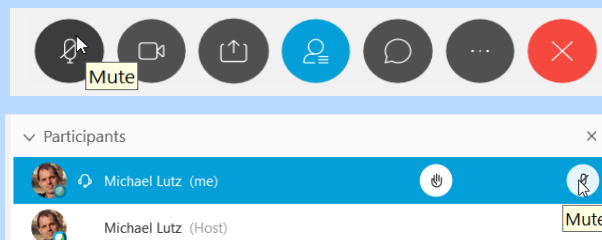


Welcome and some hints for participants

Mute your mic!

To mute and unmute, click the microphone icon next to your name or at the bottom of the screen.



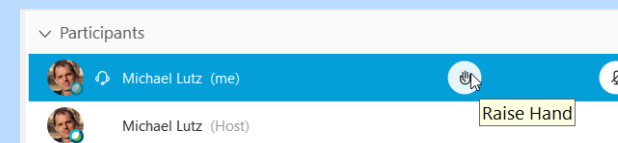
Turn off video

Share your webcam video **only** when you are talking. To do this, click video icon next to your name.



Ask a question

Use “raise hand” functionality to ask a question. Click the hand icon next to your name in the participant list. If this is not available write ‘hand’ in the chat.



SLI.DO

<https://www.sli.do>

Event Code: INSPIRE2020

Room name: INSPIRE Reference

Validator: status and future plans





INSPIRE Reference Validator: status and future plans

Webinar program

- Slido session 1
- Introduction to the INSPIRE Reference Validator, community space, current & future work – **Marco Minghini, *European Commission, JRC***
- Slido session 2
- Hands-on session: deploying the INSPIRE Reference Validator and using the API – **Carlos Palma Zurita, *Guadaltel***
- Slido session 3

INSPIRE 2020 Online Conference – June 9, 2020



Slido session 1

INSPIRE 2020 Online Conference – June 9, 2020

Joint
Research
Centre



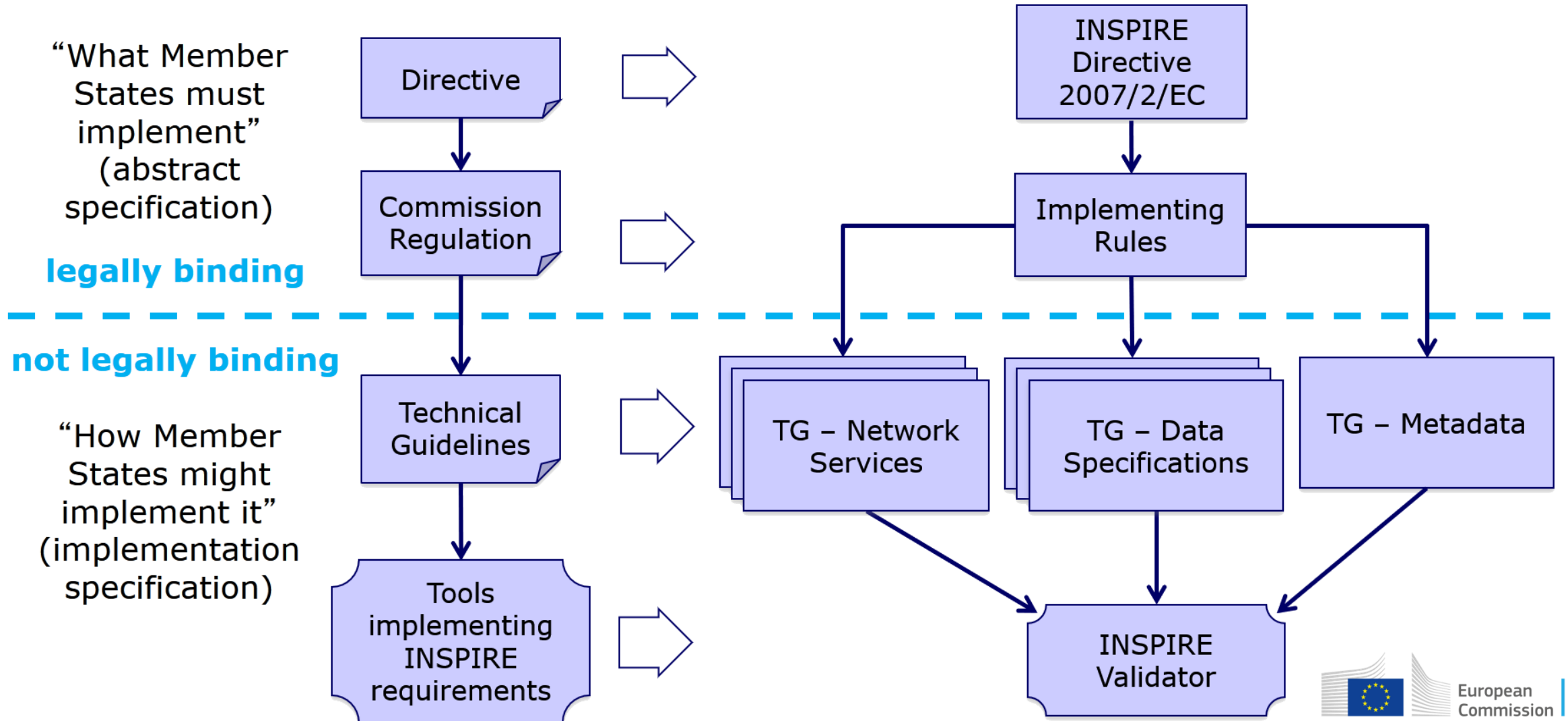


Introduction to the INSPIRE Reference Validator, community space, current & future work

**Marco Minghini, Fabio Vinci, Michael Lutz, Lorena Hernandez,
Fabiano Spinelli, Daniele Francioli, Lukasz Ziemba**

INSPIRE 2020 Online Conference – June 9, 2020

INSPIRE Directive, Implementing Rules (IR), Technical Guidelines (TG) & tools



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/ISA² programmes.

INSPIRE Reference Validator – Components

INSPIRE Reference Validator – Components

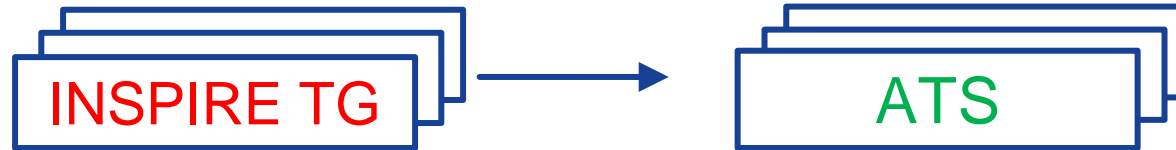


INSPIRE Technical Guidelines (TG)
requirements for all INSPIRE resources

INSPIRE Reference Validator – Components

Abstract Test Suites (ATS)

high-level descriptions of test cases



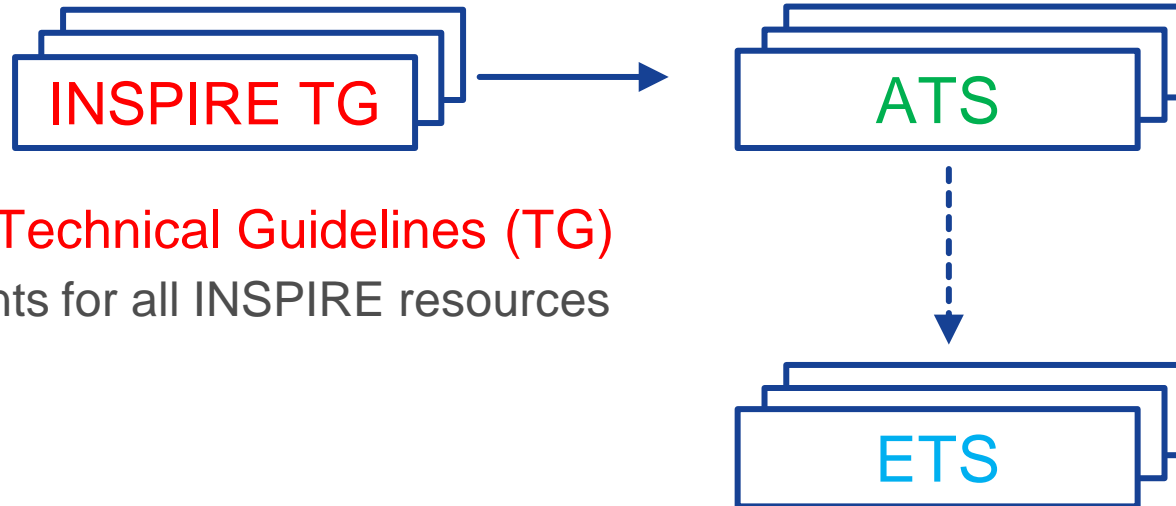
INSPIRE Technical Guidelines (TG)

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

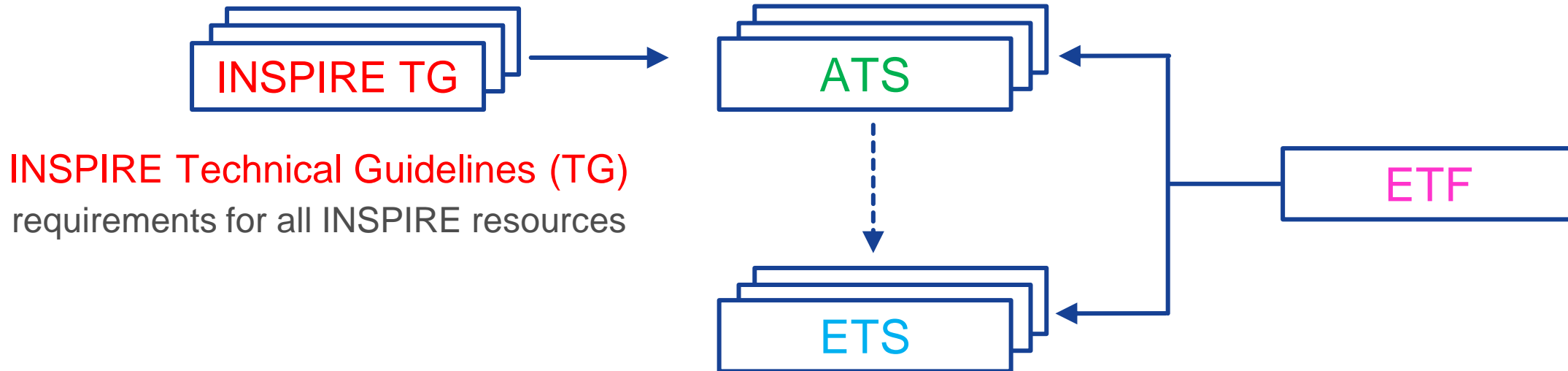
Executable Test Suites (ETS)

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

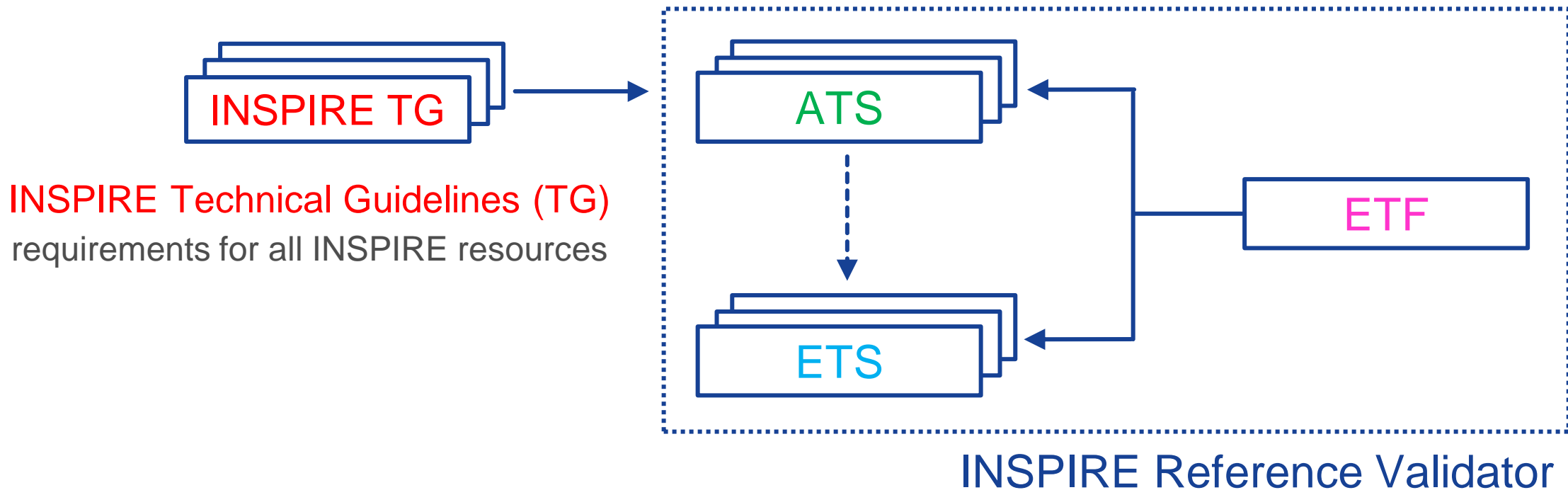


Executable Test Suites (ETS)
lower-level descriptions of test cases

INSPIRE Reference Validator – Components

Abstract Test Suites (ATS)
high-level descriptions of test cases

Testing Framework (ETF)
software where ETS are run

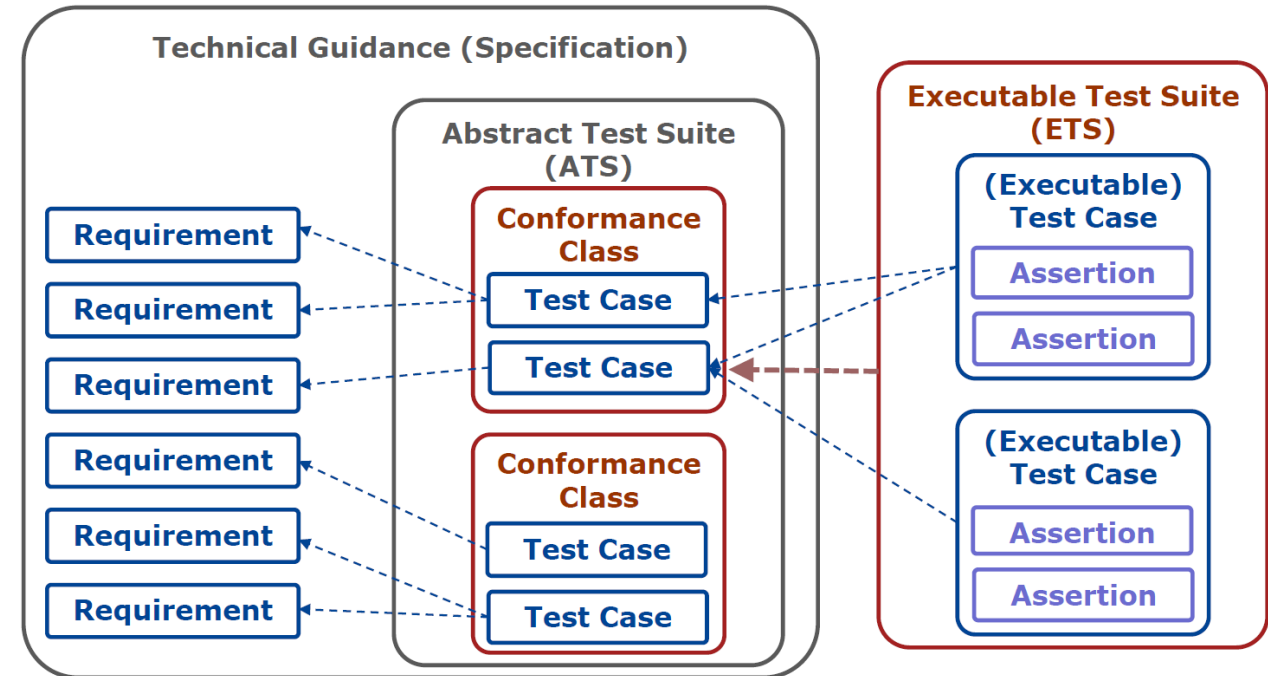


INSPIRE Technical Guidelines (TG)
requirements for all INSPIRE resources

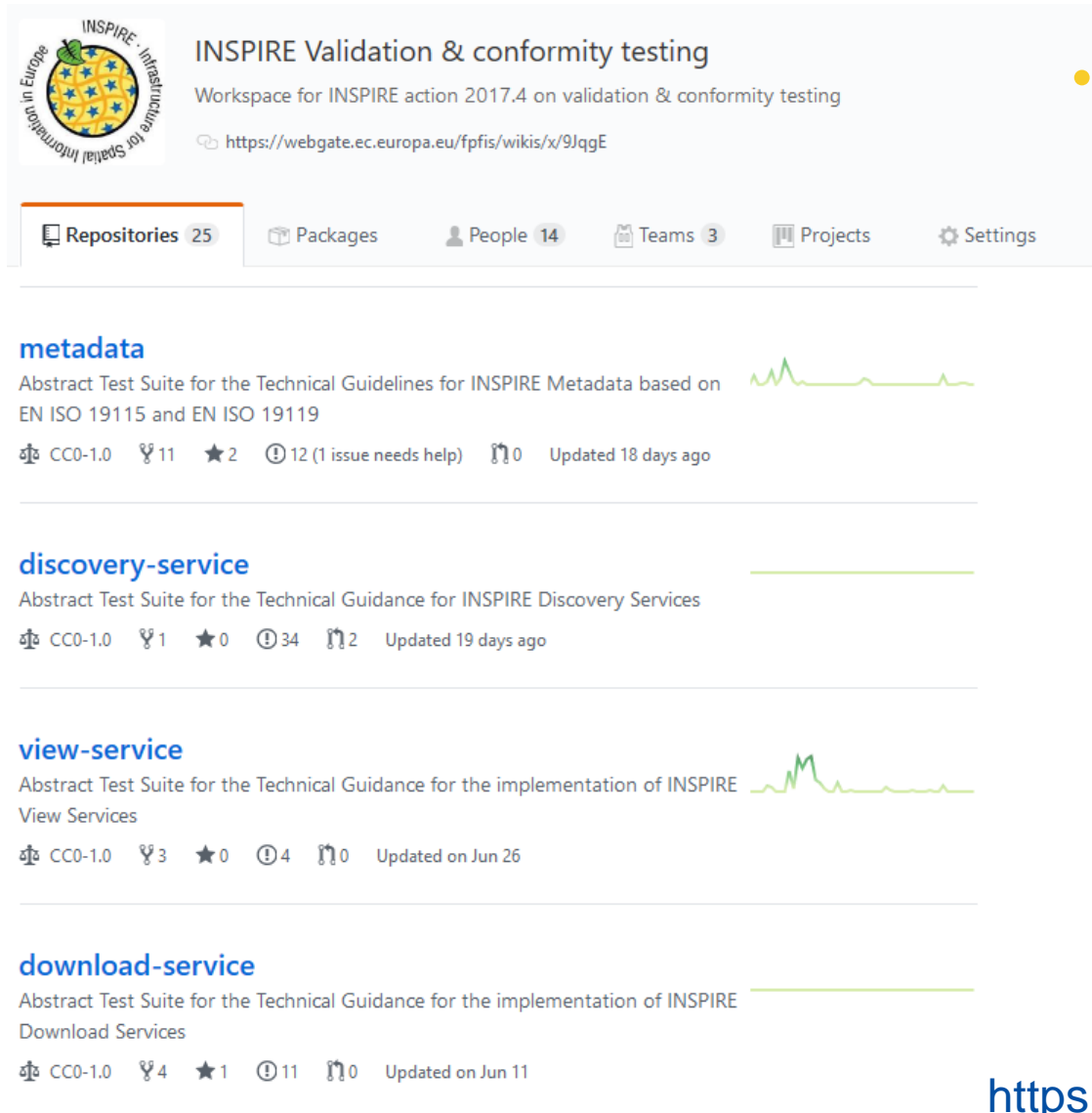
Executable Test Suites (ETS)
lower-level descriptions of test cases

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/9JqgE>

Repositories 25 Packages People 14 Teams 3 Projects Settings

- 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 (TG 1.3, TG 2.0)
 - Discovery Services (CSW)
 - View Services (WMS, WMTS)
 - Download Services (WFS, Atom, WCS, SOS)
 - Data specifications
 - Data encoding
 - Annex I data specifications
 - Annex II/III data specifications **ONGOING**

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

Abstract Test Suites (ATS)

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.

ATS

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

<https://github.com/inspire-eu-validation/metadata/blob/2.0/datasets-and-series/spatial-resolution.md>

Executable Test Suites (ETS)

The screenshot shows the GitHub repository page for 'INSPIRE Validation & conformity testing'. The repository is described as a 'Workspace for INSPIRE action 2017.4 on validation & conformity testing' and is located at <https://webgate.ec.europa.eu/fpfis/wikis/x/9JqgE>. The repository is part of the 'inspire-eu-validation' organization and is named 'ets-repository'. It is described as a 'Repository for Executable Test Suites of the INSPIRE validator (under development)'. The repository has 15 forks, 7 stars, and 71 issues. It was updated 10 days ago. 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' and it was made 3 months ago. Other recent commits include 'Changes in the ETS links' for 'data-ad', 'data-au', and 'data-cp', all made 2 months ago.

- All the ETS are maintained on GitHub, licensed under **EUPL v1.2**:
 - Metadata (TG 1.3, TG 2.0)
 - Discovery Services (CSW)
 - View Services (WMS, WMTS)
 - Download Services (WFS, Atom, WCS, SOS)
 - Data specifications
 - Data encoding
 - Annex I data specifications
 - Annex II/III data specifications **ONGOING**

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

Executable Test Suites (ETS)

Spatial Resolution

Purpose: Test that the spatial resolution is defined using either a 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.

ATS



ETS

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

```
<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 a 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)
   let $countDistance := count($record/gmd:identificationInfo[1]/*gmd:spatialResolution/gmd:MD_Resolution)
   let $invalidScale :=
     for $x in $record/gmd:identificationInfo[1]/*gmd:spatialResolution/gmd:MD_Resolution/gmd:
     return
     if(matches($x/text(), $regex_integer)) then ()
     else $x
   let $invalidDistance :=
     for $x in $record/gmd:identificationInfo[1]/*gmd:spatialResolution/gmd:MD_Resolution/gmd:
     return
     if(matches($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
```

Testing Framework (ETF)



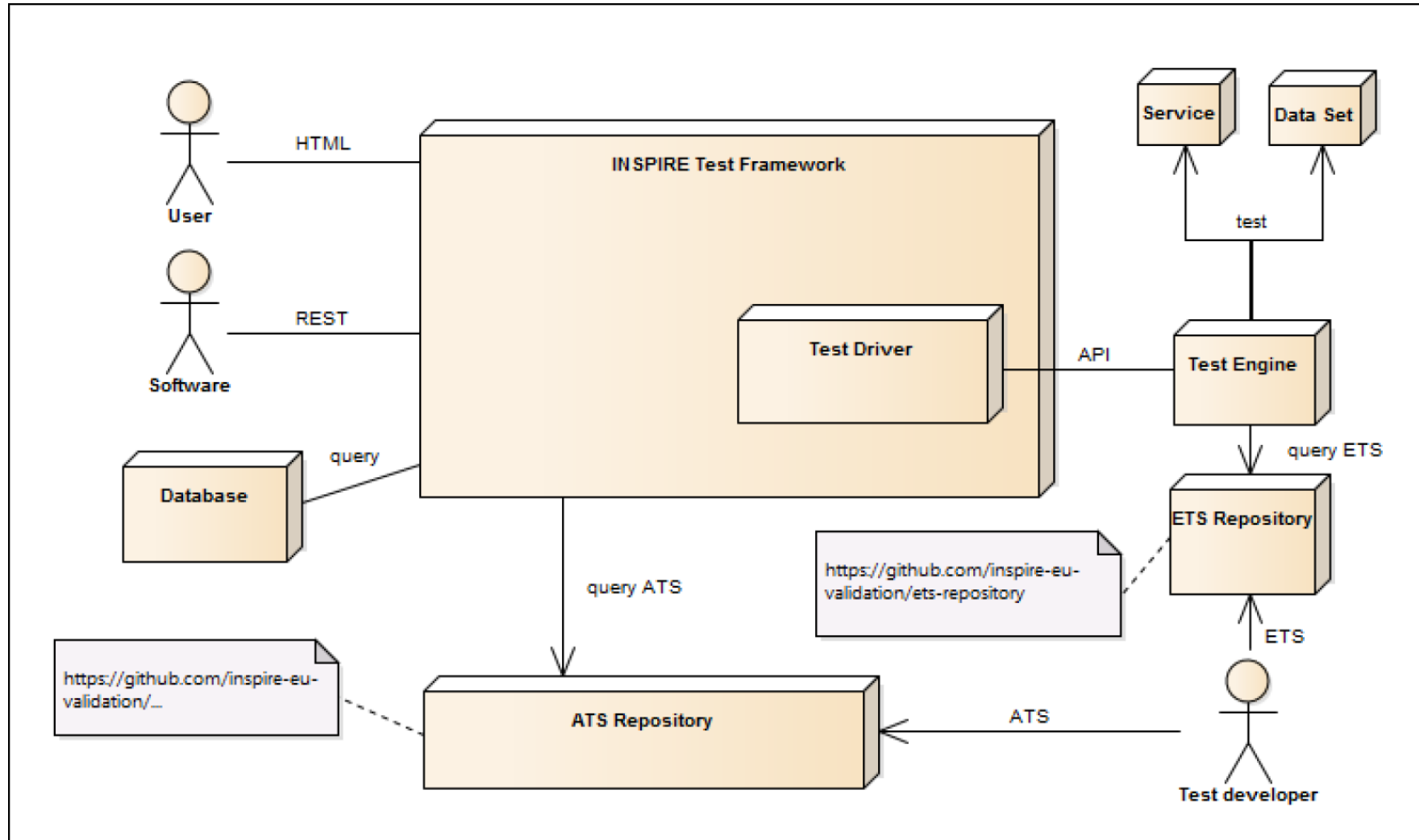
- A **Testing Framework** is a software to run ETS.
- The **INSPIRE Validator** makes use and further extends ETF:
 - a testing framework to validate data, metadata & web services in SDIs
 - developed since 2010
 - open source under **EUPL v1.2**
 - current version: 2.0 (January 2019), next version planned for July 2020
 - ETF design goals:
 - user-friendly
 - consistent with the **standards** (ISO/OGC)
 - capable of testing all resources in an SDI
 - manuals for users, developers & 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 (to be discontinued)
 - **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)
- The easiest way to deploy ETF is a **Docker** container.

INSPIRE Validator – 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**

<https://inspire.ec.europa.eu/validator>

<http://staging-inspire-validator.eu-west-1.elasticbeanstalk.com/etf-webapp>

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

<https://inspire.ec.europa.eu/validator>

<http://staging-inspire-validator.eu-west-1.elasticbeanstalk.com/etf-webapp>

INSPIRE Validator – Web application demo

ETF - Staging deployment for testing purposes

Start test Status Test reports About Help

Executable Test Suites

To start a Test Run, select one or multiple Test Suites with a click on the flip switches on the right-hand side ("use") and press the "Start" button that appears once at least one Test Suite is selected. Please note that the Test Suites are only applicable to certain Test Object types and therefore not all Test Suites are combinable for a Test Run. Additional information about a Test Suite will be shown with a click on the plus button.

Filter items...

View Services - WMS and WMTS (TG version 3.11)	
+ Conformance Class: View Service - WMS	use
+ Conformance Class: View Service - WMTS	use
Download Services - WFS and ATOM (TG version 3.1)	
+ Conformance Class: Download Service - Direct WFS	use
+ Conformance Class: Download Service - Pre-defined Atom	use
+ Conformance Class: Download Service - Pre-defined WFS	use
Download Services - SOS (TG version 1.0) - BETA	
+ Conformance Class: Download Service - Pre-defined SOS	use
Download Services - WCS (TG version 1.0) - BETA	
+ Conformance Class: Download Service - WCS Core	use
Discovery Services - CSW (TG version 3.1) - BETA	
+ Conformance Class: Discovery Service - CSW Core	use
Metadata (TG version 1.3)	
+ Conformance class: INSPIRE Profile based on EN ISO 19115 and EN ISO 19119	use
+ Conformance class: Metadata for interoperability	use

new INSPIRE-based UI under development



European Commission | English | Search

European Commission > INSPIRE > Validator > Test selection

INSPIRE Validator - Test selection

Test your INSPIRE data, services and metadata

Home Test selection Test reports Help and documentation More on the Reference Validator

Configure your test

Select the type of INSPIRE resource you would like to test *

- Metadata
- View Service
- Download Service
- Discovery Service
- Data set

Select the version of the technical guidelines to be tested *

- Version 1.3 of the Technical Guidelines
- Version 2.0 of the Technical Guidelines

What type of metadata records will you be testing? *

- Data set
- Network Service
- Spatial Data Service

Advanced options

Provide the resource test

Select the input type and provide the datasource to fetch the resources to test *

The system can process multiple files at once. You can provide a link compressed ZIP file or service operation with request to one or more records/features

File upload

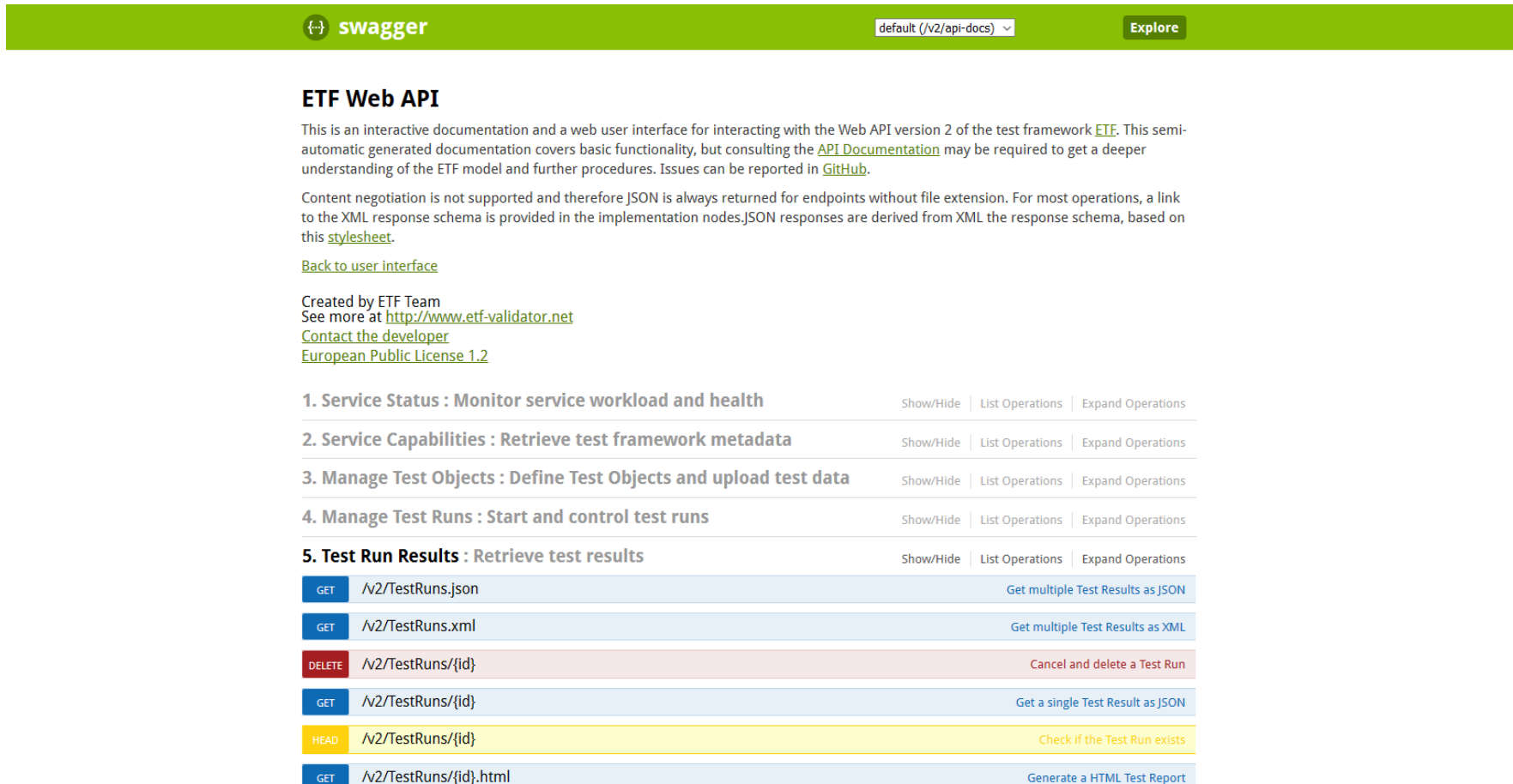
Upload file *

This is the input's helper text.
Maximum size is 5 MB.
Encrypted documents and those containing macros are not accepted.

Provide a label for your report (optional)

INSPIRE Validator – REST API

- Documented using OpenAPI:



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](#)

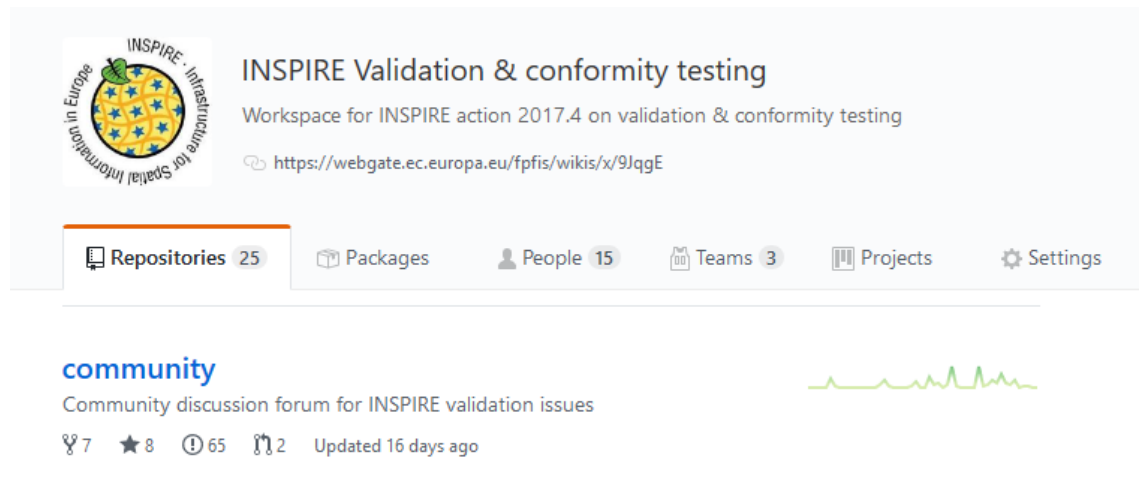
- Service Status : Monitor service workload and health** Show/Hide List Operations Expand Operations
- Service Capabilities : Retrieve test framework metadata** Show/Hide List Operations Expand Operations
- Manage Test Objects : Define Test Objects and upload test data** Show/Hide List Operations Expand Operations
- Manage Test Runs : Start and control test runs** Show/Hide List Operations Expand Operations
- 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

<http://inspire.ec.europa.eu/validator/swagger-ui.html>

INSPIRE Validation community

- The central place of interaction for the INSPIRE community:
 - helpdesk
 - release planning
 - changelog of past releases
 - training material & sample resources

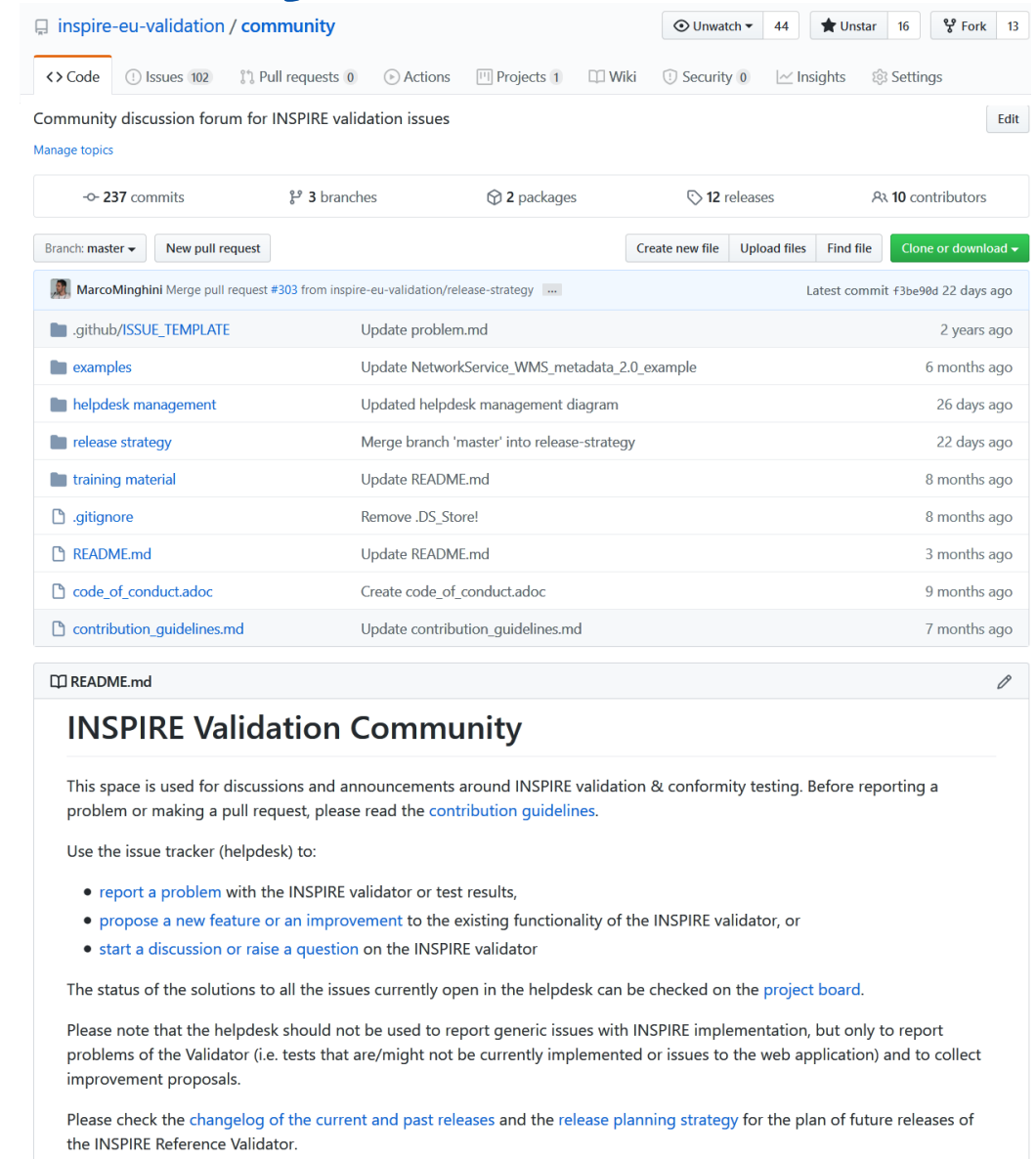


INSPIRE Validation & conformity testing
Workspace for INSPIRE action 2017.4 on validation & conformity testing
<https://webgate.ec.europa.eu/fpfis/wikis/x/9lqgE>

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

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



inspire-eu-validation / community 44 Unstar 16 Fork 13

<> Code 102 Issues Pull requests 0 Actions Projects 1 Wiki Security 0 Insights Settings

Community discussion forum for INSPIRE validation issues Edit

Manage topics

-> 237 commits 3 branches 2 packages 12 releases 10 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

MarcoMinghini Merge pull request #303 from inspire-eu-validation/release-strategy Latest commit f3be90d 22 days ago

.github/ISSUE_TEMPLATE	Update problem.md	2 years ago
examples	Update NetworkService_WMS_metadata_2.0_example	6 months ago
helpdesk management	Updated helpdesk management diagram	26 days ago
release strategy	Merge branch 'master' into release-strategy	22 days ago
training material	Update README.md	8 months ago
.gitignore	Remove .DS_Store!	8 months ago
README.md	Update README.md	3 months ago
code_of_conduct.adoc	Create code_of_conduct.adoc	9 months ago
contribution_guidelines.md	Update contribution_guidelines.md	7 months ago

README.md

INSPIRE Validation Community

This space is used for discussions and announcements around INSPIRE validation & conformity testing. Before reporting a problem or making a pull request, please read the [contribution guidelines](#).

Use the issue tracker (helpdesk) 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

The status of the solutions to all the issues currently open in the helpdesk can be checked on the [project board](#).

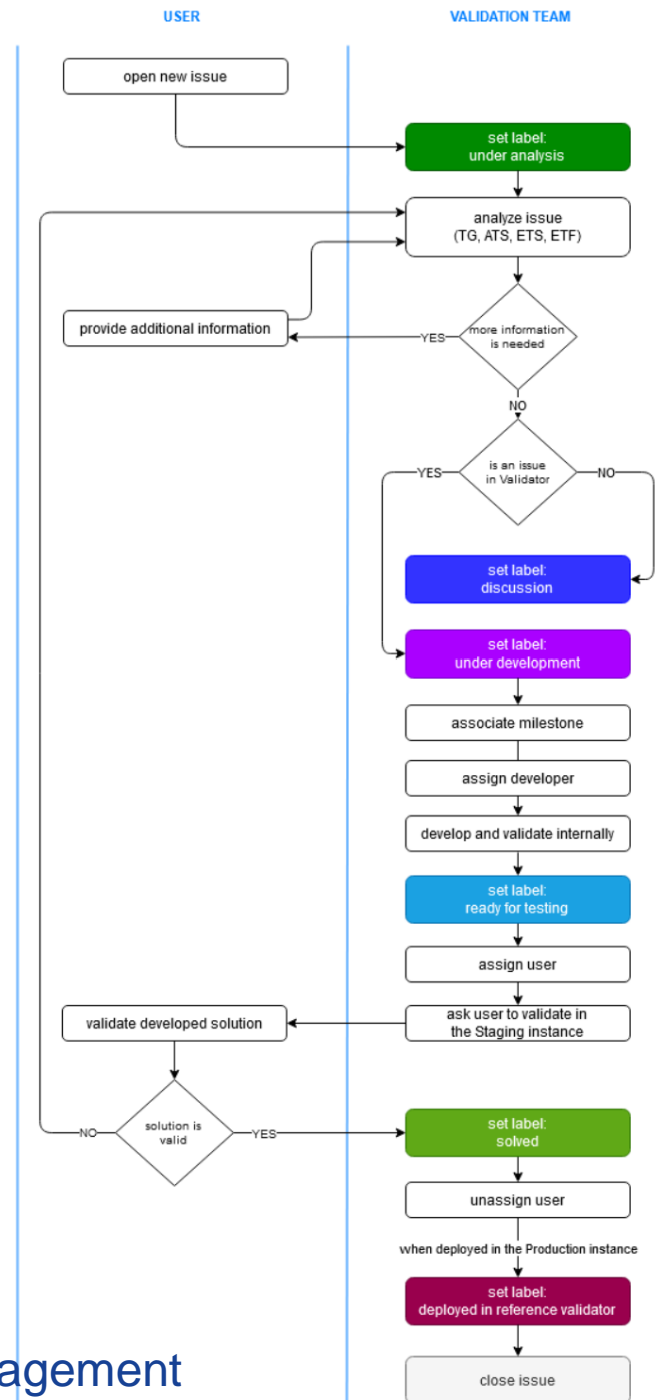
Please note that the helpdesk should not be used to report generic issues with INSPIRE implementation, but only to report problems of the Validator (i.e. tests that are/might not be currently implemented or issues to the web application) and to collect improvement proposals.

Please check the [changelog of the current and past releases](#) and the [release planning strategy](#) for the plan of future releases of the INSPIRE Reference Validator.

INSPIRE Validation community – Helpdesk

- Used by the community to report **problems**, propose **new features** & start **discussions**.
- Managed through a predefined **workflow** based on **labels** to identify the implementation status of fixes.

<input type="checkbox"/>	<input type="checkbox"/>	102 Open	✓ 191 Closed	Author	Label	Projects	Milestones	Assignee	Sort
<input type="checkbox"/>	<input checked="" type="checkbox"/>	ETF error message: Access to URL's of code lists	under analysis						5
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Change https INSPIRE URIs into http URIs (from March 2020) -> changes needed in the validator	ready for testing						18
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Metadata validation - dataset identifiers during multiple files testing	ready for testing						3
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Issues on WFS - Pre-defined test run	under analysis						
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Metadata point of contact - multiple electronicMailAddress for Metadata point of contact	solved						5
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Webinar on the INSPIRE Reference Validator within the virtual INSPIRE Conference 2020	discussion						



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

<https://github.com/inspire-eu-validation/community/tree/master/helpdesk%20management>

INSPIRE Validation community – Helpdesk

- The implementation status of all fixes is summarized in a [project board](https://github.com/inspire-eu-validation/community/projects/1):

The screenshot shows a GitHub Project Board for the INSPIRE Validation community. The board is organized into columns representing different stages of issue resolution:

- For discussion (56 items):** Issues include "md dataset-and-series 1.4: http://inspire.ec.europa.eu/theme redirected to HTTPS?", "Webinar on the INSPIRE Reference Validator within the virtual INSPIRE Conference 2020", "GeoTIFF and INSPIRE media types register", and "New document on the helpdesk management workflow of the INSPIRE Reference Validator".
- To do (27 items):** Issues include "ETF error message: Access to URL's of code lists", "Issues on WFS - Pre-defined test run", "Support for GML geometry types - Curve and Surface", "md sds 3.4: http://inspire.ec.europa.eu/metadata-codelist/SpatialDataServiceCategory/SpatialDataServiceCategory.en.xml redirected to HTTPS?", and "EPSG codes in Azores".
- In progress (8 items):** Issues include "While performing a Direct WFS Conformance test the validator will report a SpatialJoin error if the WFS is serving only points and multipoints due to an issue in CITE test" and "While performing a Direct WFS Conformance test the validator will report NullPointerException errors due to an issue in CITE test".
- Staging: for acceptance (11 items):** Issues include "Change https INSPIRE URIs into http URIs (from March 2020) -> changes needed in the validator", "Metadata validation - dataset identifiers during multiple files testing", "Metadata element: hierarchyLevelName - multiplicity", "Pre-defined WFS test - use of prefixes in xpath expressions", and "WMS 1.3 beta test CRS/BoundingBox issue".
- Staging: in release planning (5 items):** Issues include "Metadata point of contact - multiple electronicMailAddress for Metadata point of contact", "md sds 3.6: Coupled Resource (various error messages)", "MD 2.0 - Strange test report with 'system error' error message for all tests", and "MD TG 2.0 - Incorrect error message on test C.18".
- Production: latest release (98 items):** Issues include "Metadata TG 1.3 schema validation", "Metadata 2.0- double error: Limitation on public access with two <gmd:otherConstraints>/<gmx:Anchor> instances causes an error + this (inexistent) error is incorrectly referred to the Conditions applying to access and use", "Null Pointer exceptions for WMTS", and "WMS 1.3 beta has error in transparent test".

<https://github.com/inspire-eu-validation/community/projects/1>

INSPIRE Validation community – Release planning

- A document describing the **annual plan** for future releases of the INSPIRE Reference Validator:
 - designed to **help data providers** prepare themselves for the annual Monitoring deadline in December
 - it describes:
 - the **number** of scheduled releases
 - the **content** of each release
 - the management of releases

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- **Release Planning**
 - **Instances of the INSPIRE Reference Validator**
 - **Annual releases**
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 - v2020.2 - 15/06/2020
 - v2020.3 - 15/09/2020
 - v2021.0 - 15/01/2021
- **Release Delivery**

INSPIRE Validation community – Release planning

Annual releases

- 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.
- 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.
- v2021.0 - 15/01/2021: it includes both breaking and non-breaking changes, including those available in the beta instance of the previous year.

INSPIRE Validation community – Changelog of past releases

- For each past release of the Validator (since 2019), it includes:
 - [changelog](#) (new features, bugfixes, enhancements, documentation)
 - [deployment instructions](#)
 - [source code](#)

Latest release

v2020.1.2

8bbd408

Verified

Compare

v2020.1.2 15/04/2020

Edit

by [juanpelegrina](#) released this on Apr 15 · 37 commits to master since this release

Bugfixes

This is an exceptional release of the Validator, which includes the latest version of the tests used for the calculation of indicators MDi1.1 and MDi1.2 for the INSPIRE Monitoring 2019 process. This release builds on the latest release ([v.2020.1.1](#)) and incorporates some additional feedback received by EU Member States. Some other fixes on WMS and WMTS tests have been also included in this release.

- [#250](#) Modified transparent parameter values for WMS GetMap request - [#425](#)
- [#225](#) Fixed issue with WMTS GetTile requests - [#422](#)
- [#258](#) Fix test C.18 from MD 2.0 for more than one "gmd:otherConstraints/gco:CharacterString" or "gmd:otherConstraints/gmx:Anchor" - [#430](#)
- [#270](#) Updated MD 1.3 schema validation - [#434](#)

Deployment instructions

```
docker run --name inspire-validator -d -p 8080:8080 -v ~/etf:/etf docker.pkg.github.com/inspire-eu-vali
```


For further configuration, please download the file [inspire-validator-2020.1.2.zip](#) and follow the instructions in the [README.md](#) file inside the .zip file.

Assets 4






ets-repository-2020.1.2.zip	1.85 MB
inspire-validator-2020.1.2.zip	165 MB
Source code (zip)	
Source code (tar.gz)	

INSPIRE Validation community – Training material & sample resources

Branch: master ▾ **community** / training material / Create new file Upload files Find file History


 MarcoMinghini Update README.md Latest commit a53e02e on Oct 18, 2019

..



 Step-by-step example - API	Update README.md	8 months ago
 Step-by-step example - Webapp	Update README.md	8 months ago
 INSPIRE Workshop - Developers.pdf	Add files via upload	8 months ago
 INSPIRE Workshop - Users.pdf	Add files via upload	8 months ago
 README.md	Create README.md	8 months ago

<https://github.com/inspire-eu-validation/community/tree/master/training%20material>

Branch: master ▾ **community** / examples / Create new file Upload files Find file History

 josemasensio Update NetworkService_WMS_metadata_2.0_example Latest commit 5112c01 on Dec 4, 2019

..

 Dataset_metadata_2.0_example	Merge pull request #83 from alitka/patch-5	11 months ago
 NetworkService_WMS_metadata_2.0_exam...	Update NetworkService_WMS_metadata_2.0_example	6 months ago

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

Some news on the Validator

- New ATS / ETS for data set MD (TG 2.0):
 - Spatial Scope
 - Priority Data Sets
- available in the Staging instance for testing (<https://github.com/inspire-eu-validation/community/issues/272>)

Metadata (TG version 2.0) - BETA

+ Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records.	<input checked="" type="checkbox"/>
+ Conformance Class 1: INSPIRE data sets and data set series baseline metadata.	<input checked="" type="checkbox"/>
+ Conformance Class 2: INSPIRE data sets and data set series interoperability metadata.	<input type="checkbox"/> use
+ Conformance Class 2b: INSPIRE data sets and data set series metadata for Monitoring	<input checked="" type="checkbox"/>
+ Conformance Class 3: INSPIRE Spatial Data Service baseline metadata.	<input type="checkbox"/> use
+ Conformance Class 4: INSPIRE Network Services metadata.	<input type="checkbox"/> use
+ Conformance Class 5: INSPIRE Invocable Spatial Data Services metadata.	<input type="checkbox"/> use
+ Conformance Class 6: INSPIRE Interoperable Spatial Data Services metadata.	<input type="checkbox"/> use
+ Conformance Class 7: INSPIRE Harmonised Spatial Data Services metadata.	<input type="checkbox"/> use
Interoperable data sets in GML (Guidelines for the Encoding of Spatial Data version 3.3)	
+ Conformance class: Data consistency, General requirements	<input type="checkbox"/> use

Some news on the Validator

- New ATS / ETS for data set MD (TG 2.0):
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- Performance improvements due to schema caching

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Future work on the Validator

- New ATS / ETS for:
 - **Annex II / III Data Specifications**
 - AM available in the Staging instance, LU under development
 - they will be added incrementally
 - data sets from Annex II / III can already be tested against cross-cutting requirements

Data Theme: Area Management, Restriction/Regulation Zones and Reporting Units (Data Specification version 3.1)	
+ Conformance class: Application Schema, Area Management, Restriction/Regulation Zones and Reporting Units	<input type="checkbox"/> use
+ Conformance class: Data consistency, Area Management, Restriction/Regulation Zones and Reporting Units	<input type="checkbox"/> use
+ Conformance class: Information accessibility, Area Management, Restriction/Regulation Zones and Reporting Units	<input type="checkbox"/> use
+ Conformance class: Reference systems, Area Management, Restriction/Regulation Zones and Reporting Units	<input type="checkbox"/> use

Interoperable data sets in GML (Guidelines for the Encoding of Spatial Data version 3.3)	
+ Conformance class: Data consistency, General requirements	<input type="checkbox"/> use
+ Conformance class: INSPIRE GML application schemas, General requirements	<input type="checkbox"/> use
+ Conformance class: Information accessibility, General requirements	<input type="checkbox"/> use
+ Conformance class: Reference systems, General requirements	<input type="checkbox"/> use

Future work on the Validator

- New ATS / ETS for:
 - **Annex II / III Data Specifications**
 - AM available in the Staging instance, LU under development
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 - data sets from Annex II / III can already be tested against cross-cutting requirements
 - **Download Services based on OGC API - Features**
 - based on the requirements to setup an INSPIRE Download Service based on the OGC API - Features standard: <https://github.com/INSPIRE-MIF/gp-ogc-api-features/blob/master/spec/oapif-inspire-download.md>

Thank you!



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Slido session 2

INSPIRE 2020 Online Conference – June 9, 2020