

HOME VALIDATION SERVICES TIPS CONTACT

eENVplus Validation Service


an online tool to assess conformance of INSPIRE Annex I, II,III GML datasets, from local resource or directly through a GetFeature request to the WFS! Same functionalities available to tests GeoSciML, AQD and GeoSmartCity datasets as well as INSPIRE extended schemas and relevant datasets!

INSPIRE AQD GSC GEOSCIML




About | Contact | Privacy Policy | Legal notice English (en)

INSPIRE
European Commission
Validator
European Commission > INSPIRE > INSPIRE Validator



purpose of the INSPIRE validator is to help data providers, solution providers and national coordinators to check whether data sets, network services and metadata meet requirements defined in the INSPIRE Technical Guidelines. The validator provides detailed test reports to help implementers understand how well their data, services, metadata or software solutions are doing(or where they need to improve).

The validator is based on the **Abstract Test Suites** agreed between Member States and the Commission in the INSPIRE Maintenance and Implementation Group. The validator has been developed under ARE3NA ISA action.



Test your data, services or metadata

Pick your resource (data, services or metadata), select the test(s) to launch and check the results to see how well you are doing (or where you need to improve).

Results will be retained on server for 8 days, download option is available.

Start a test

VALIDIERUNG HARMONISIERTER DATENSÄTZE

DI ROLAND GRILLMAYER

INSPIRE WORKSHOP ÖSTERREICH - 29. NOVEMBER 2017, WIEN



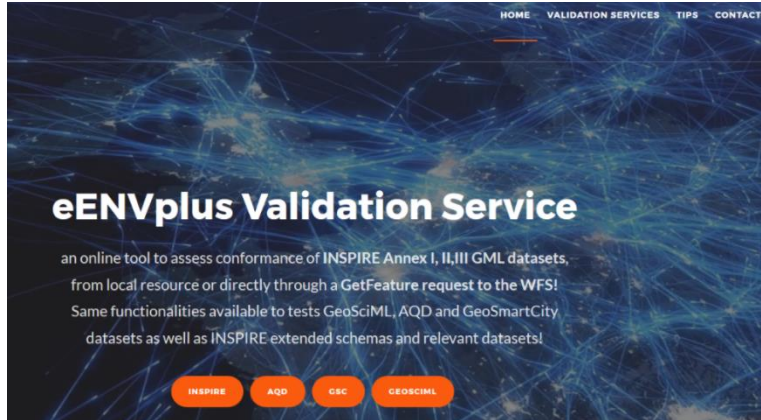
VORGEHENSWEISE VALIDIERUNG

- Was wird validiert?
 - GML – Konformität (ISO-Konformität)
 - Validierung der wichtigsten Requirements der DS
- Ziel der Validierung
 - Sicherstellen der syntaktischen und semantischen (soweit vorhanden) Interoperabilität
 - GML-Validierung
 - Validierung der Geometrien
 - Konformität der GML-ID
 -
- Requirements der DS
 - Sicherstellen der syntaktischen Interoperabilität und soweit vorhanden semantischen Harmonisierung
 - Validierung des Encodings der Daten gegenüber den Applikationsschema
 - Räumliches Referenzsystem
 - Überprüfen der verwendeten Codelisten
 -



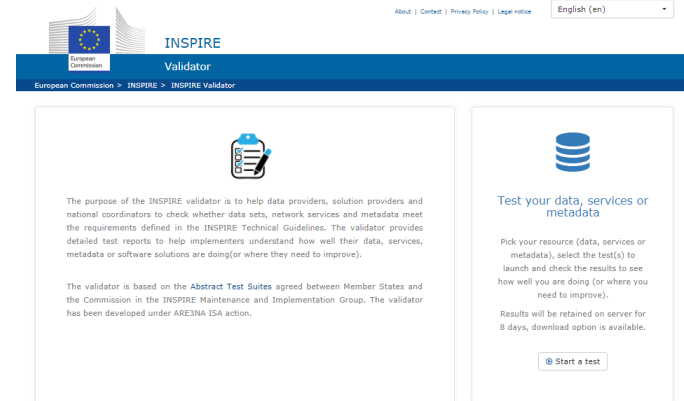
GLIEDERUNG

- Validierungsportale INSPIRE Datenharmonisierung



<https://validation-service.inspire-helpdesk.eu/index.html>

<http://vs.inspire-helpdesk.eu:8081/teamengine/>



<http://inspire-sandbox.jrc.ec.europa.eu/etf-webapp/>

- Durchführen einer Validierung am Beispiel der PS
- Vergleich der Validierungsergebnisse aus beiden Validationen.

eENVplus VALIDATION SERVICE

EPSiLON
Italia

HOME VALIDATION SERVICES TIPS CONTACT

eENVplus Validation Service

an online tool to assess conformance of **INSPIRE Annex I, II, III GML datasets**, from local resource or directly through a **GetFeature request to the WFS!**

Same functionalities available to tests GeoSciML, AQD and GeoSmartCity datasets as well as INSPIRE extended schemas and relevant datasets!

INSPIRE AQD GSC GEOSCI ML

<https://validation-service.inspire-helpdesk.eu/index.html>

eENVplus VALIDATION SERVICE

EPSiLON
Italia

HOME VALIDATION SERVICES TIPS CONTACT

Discover our validation services:

INSPIRE Directive
A step-by-step explanation of the INSPIRE data validation process guides you through the validation of your data against GML standard (ISO 19136), INSPIRE Annex I, II, III application schemas and 'theme-specific' requirements through the use of relevant schematrons.

TRY IT

AQD - Air Quality Directive
Validate your dataset against GML standard (ISO 19136), AQD application schema and check additional AQD requirements through the use of schematrons.

TRY IT

GSC - GeoSmartCity
Validate your dataset against GML standard (ISO 19136) and GeoSmartCity INSPIRE-extended application schemas for Buildings and Utility and Governmental Services data themes.

TRY IT

GeoSciML
Validate your dataset against GML standard (ISO 19136), OGC GeoSciML application schemas (v4.0 and v4.1) and check additional GeoSciML requirements through the use of schematrons.

TRY IT

<https://validation-service.inspire-helpdesk.eu/index.html>

eENVplus VALIDATION SERVICE



The eENVplus Validation Service provides Executable Test Suites (ETS) implementing the Abstract Test Suites (ATS) which are included in the Annex A of the INSPIRE Data Specifications and contain a set of tests to be applied on a dataset to evaluate whether it fulfils the INSPIRE requirements.

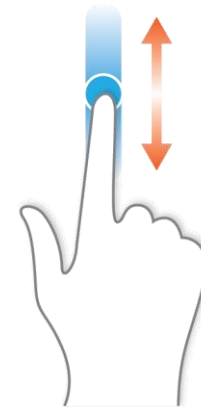
ATS

- **Annex A - Part 1**: Includes tests aiming at assessing the conformity of GML datasets to "COMMISSION REGULATION (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial datasets and services" and its successive amendment "COMMISSION REGULATION (EU) No 1253/2013 of 21 October 2013".

ETS

In order to execute abstract tests associated to Conformance Classes, an Executable Test Suite (ETS), containing a physical implementation of the abstract tests, has to be derived from the ATS.



































For those tests that cannot be automated the ETS contains guidelines to manual execution. A single executable test can cover different abstract tests.



<https://validation-service.inspire-helpdesk.eu/index.html>

eENVplus VALIDATION SERVICE

Select a theme:

 ADDRESSES	 ENVIRONMENTAL MONITORING FACILITIES	 OCEANOGRAPHIC GEOGRAPHICAL FEATURES
 ADMINISTRATIVE UNITS	 GEOGRAPHICAL GRID SYSTEMS	 ORTHOIMAGERY
 AGRICULTURAL AND AQUACULTURE FACILITIES	 GEOGRAPHICAL NAMES	 POPULATION DISTRIBUTION - DEMOGRAPHY
 AREA MANAGEMENT / RESTRICTION / REGULATION ZONES AND REPORTING UNITS	 GEOLOGY	 PRODUCTION AND INDUSTRIAL FACILITIES
 ATMOSPHERIC CONDITIONS	 HABITATS AND BIOTOPES	 PROTECTED SITES
 BIO-GEOGRAPHICAL REGIONS	 HUMAN HEALTH AND SAFETY	 SEA REGIONS
 BUILDINGS	 HYDROGRAPHY	 SOIL
 CADASTRAL PARCELS	 LAND COVER	 SPECIES DISTRIBUTION
 COORDINATE REFERENCE SYSTEMS	 LAND USE	 STATISTICAL UNITS
 ELEVATION	 METEOROLOGICAL GEOGRAPHICAL FEATURES	 TRANSPORT NETWORKS
 ENERGY RESOURCES	 MINERAL RESOURCES	 UTILITY AND GOVERNMENTAL SERVICES
	 NATURAL RISK ZONES	

<https://validation-service.inspire-helpdesk.eu/index.html>

eENVplus VALIDATION SERVICE

The ATS table below contains a detailed list of the abstract tests included in the [ATS](#) for the [Protected Sites](#) and relevant [Executable Tests \(ET\)](#) provided by the eENVplus Validation Service. Abstract tests marked by "*" make use of schematron files developed by eENVplus team.

[Click](#) links in the list of [Available Executable Tests of the GML Data Validation ETS](#) to access the relevant [Executable Tests](#)

ATS	Conformance classes	Abstract Tests	Related ET
Part 1 (normative)	A.1 Application Schema Conformance Class	A.1.1 Schema element denomination test	E.1
		A.1.2 Value type test	E.1
		A.1.3 Value test *	E.1
		A.1.4 Attributes/Associations completeness test	E.1
		A.1.5 Abstract spatial object test	E.1
		A.1.6 Constraints test *	E.1
		A.1.7 Geometry representation test*	E.1
	A.2 Reference Systems Conformance Class	A.2.1 Datum test *	E.1
		A.2.2 Coordinate reference system test *	E.1
		A.2.3 View service CRS test	E.2
		A.2.4 Temporal reference system test	E.2
		A.2.5 Units of measurements test	E.2
	A.3 Data Consistency Conformance Class	A.3.1 Unique identifier persistency test	E.3
		A.3.2 Version consistency test	E.3

Available Executable Tests of the GML Data Validation ETS

E.1 - Automated Validation:

- A.1 All tests
- A.2.1 Datum test
- A.2.2 Coordinate reference system test
- A.5.2 CRS publication test
- A.5.3 CRS identification test
- A.6.1 Encoding compliance test
- A.8.1 Multiplicity test
- A.8.6 Encoding schema validation test

E.2 - Guideline to Manual Validation:

- A.2.3 View service CRS test
- A.2.4 Temporal reference system test
- A.2.5 Units of measurements test

E.3 - Guideline to Manual Validation:

- A.3 All tests

E.4 - Guideline to Manual Validation:

<https://validation-service.inspire-helpdesk.eu/index.html>

eENVplus VALIDATION SERVICE

GML dataset files to be tested by means of **E.1** can be uploaded from local or web resource as well as by means of WFS (GetFeature request).

Should **eENVplus E.1 Test** execute with no failures, after having specified PS schematron file,

1 Conformance to **A.1 - Application Schema Conformance Class** can be claimed

2 Coordinate Reference System tests - **A.2.1, A.2.2, A.5.2, A.5.3** - are successfully passed.

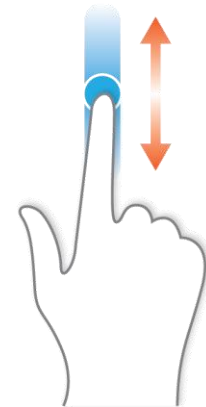
Be aware that, to automate this test, an implementation choice was made to allow only identifiers referring to EPSG codes listed in **Table 3** of PS Data Specification - Section 6. ⁽³⁾

3 Conformance to **A.6 - Data Delivery Conformance Class** can be claimed
The use of GML-encoded files assures the required dataset encoding conformance to EN ISO 19118

4 Tests **A.8.1, A.8.6** are successfully passed.

A.1 Application Schema Conformance Class	A.1.1 Schema element denomination test
	A.1.2 Value type test
	A.1.3 Value test *
	A.1.4 Attributes/associations completeness test
	A.1.5 Abstract spatial object test
	A.1.6 Constraints test *
	A.1.7 Geometry representation test *
A.2 Reference Systems Conformance Class	A.2.1 Datum test *
	A.2.2 Coordinate reference system test *
A.5 Information Accessibility Conformance Class	A.5.2 CRS publication test *
	A.5.3 CRS identification test *
A.6 Data Delivery Conformance Class	A.6.1 Encoding compliance test
A.8 Technical Guideline Conformance Class	A.8.1 Multiplicity test
	A.8.6 Encoding schema validation test

Abstract tests covered by E.1



LOGIN

to execute the E.1 Automated Validation Test




<https://validation-service.inspire-helpdesk.eu/index.html>

eENVplus VALIDATION SERVICE



The banner features the OGC logo on the left with the tagline 'Making location smart'. The main text reads 'eENVplus Validation Service'. On the right, a white box contains the text 'User: kathischleidt' and a blue 'Logout' link. The background is a blue globe with network lines.

Test Sessions

Session	Test suite name	Version	Test Suite run time	Description	
s0001	Geography Markup Language (GML)	3.2.1	2017/11/21 14:43:02	kathi test 1	
s0002	Conformance Test Suite - GML Documents	3.2.1	2017/11/21 15:41:51	asdf	
s0003	Geography Markup Language (GML)	3.2.1	2017/11/23 09:51:04	Protected Sites	

[Create a new session](#)

TEAM Engine 4.10

To receive support, please register and open a ticket at the inspire-helpdesk.eu

<http://vs.inspire-helpdesk.eu:8081/teamengine>

eENVplus VALIDATION SERVICE



Select a Test Suite:

- **0.1-SNAPSHOT** - Light Validation - BIG DATA
- **1.25** - Full Validation - SMALL DATA

Organization	<input type="text" value="OGC"/>
Test Suite	<input type="text" value="Geography Markup Language (GML) - 3.2.1 [1.]"/>
Description (Optional):	<input type="text" value="PS-Sites"/>

TEAM Engine 4.10

To receive support, please register and open a ticket at the inspire-helpdesk.eu

<http://vs.inspire-helpdesk.eu:8081/teamengine>

eENVplus VALIDATION SERVICE



OGC[®]
Making Interoperable Geospatial Information Systems

eENVplus Validation Service

TEAM Engine v4

Test run in progress...
Stop

- all the XSD application schemas declared in the GML file `'xsi:schemalocation'` attribute
- all the XSD application schemas imported in turn by the schemas declared in the `'xsi:schemalocation'` attribute
- INSPIRE constraints common to all data themes (default option in the underlying schematron drop down list)
- supplementary theme-specific constraints, whether a related schematron is available and selected from drop down list. INSPIRE theme-specific schematrons include also the INSPIRE Common schematron rules.

WARNING : To avoid *Out of Memory issue* in the OGC Test Suite, datasets exceeding 50 MB should be split into smaller subsets and WFS Getfeature should specify a limited number of features.

GML resource

Location of the GML resource (http URL / WFS GetFeature request / WFS DescribeFeatureType request)

Upload GML resource

File auswählen PS_vo_deegree.gml

Schematron rules defining supplementary data constraints (INSPIRE/ GeoSciML/ AQD)

INSPIRE Protected Sites v4.0 ▾

Start | Clear

Derzeit Validierung nur für
Land Cover und
Protected Site verfügbar

<http://vs.inspire-helpdesk.eu:8081/teamengine>

eENVplus VALIDATION SERVICE



eENVplus Validation Service

User: kathischleidt
[Logout](#)

Results for session s0008

Test Suite: GML 3.2 (ISO 19136:2007) Conformance Test Suite

[Test tns:Main \(View Details\)](#): Failed

Summary of results

Best Practice Passed Continue Not Tested Warning Skipped Failed Failed (Inherited)

0	0	0	0	0	0	1	0
---	---	---	---	---	---	---	---

See the [detailed test report](#).

[Execute this session again](#)

[Delete this session](#)

[Download log Files](#)

[Sessions list](#)

TEAM Engine 4.10

<http://vs.inspire-helpdesk.eu:8081/teamengine>

eENVplus VALIDATION SERVICE

HTTP Status 404 - /teamengine/reports/kathischleidt/s0008/html/

type Status report

message /teamengine/reports/kathischleidt/s0008/html/

description The requested resource is not available.

Apache Tomcat/7.0.75

<http://vs.inspire-helpdesk.eu:8081/teamengine>

eENVplus VALIDATION SERVICE



eENVplus Validation Service

User: kathischleidt
[Logout](#)

Results for session s0008

Test Suite: GML 3.2 (ISO 19136:2007) Conformance Test Suite

Test tns:Main (View Details): Failed

Summary of results

Best Practice Passed Continue Not Tested Warning Skipped Failed Failed (Inherited)

0	0	0	0	0	0	1	0
---	---	---	---	---	---	---	---

See the [detailed test report](#).

[Execute this session again](#)

[Delete this session](#)

[Download log Files](#)

[Sessions list](#)

TEAM Engine 4.10

<http://vs.inspire-helpdesk.eu:8081/teamengine>

eENVplus VALIDATION SERVICE

Log for test s0008

Test tns:Main type Mandatory default result Passed (s0008)

Assertion: The GML application schema or data set satisfies all relevant constraints.

```
Form d1e46_1:
  sch-uri=http://www.epsilon-italia.it/public/download/ProtectedSites_v4.0.xml
  gml-uri=
  gml-doc=
```

Message d1e258_1:

```
Test suite: gml32-1.25
===== Test groups =====
```

All GML application schemas

```
Passed: 7 | Failed: 0 | Skipped: 0
GML application schemas defining features and feature collections
Passed: 2 | Failed: 0 | Skipped: 0
GML application schemas defining spatial geometries
Passed: 2 | Failed: 0 | Skipped: 0
GML application schemas defining time
Passed: 2 | Failed: 0 | Skipped: 0
GML application schemas defining spatial topologies
Passed: 2 | Failed: 0 | Skipped: 0
GML Documents
Passed: 8 | Failed: 1 | Skipped: 9
```

See detailed test report in the TE_BASE/users/kathischleidt/s0008/html/ directory.

Message d1e269_1:

Test method validSurfaceOrientation:

Exterior boundary of surface with @gml:id='_1367fc27-e6b6-4f90-9fe1-bb978c2daf77' is not oriented CCW with respect to the up-normal.

Result: Failed

- Validierungsreport = Log-File Team-Engine
- Nicht genau nachvollziehbar was validiert wurde
- Validierungsergebnisse nicht ident mit [etf-Validator](#) !!!

<http://vs.inspire-helpdesk.eu:8081/teamengine>

ETF-VALIDATION SERVICE



INSPIRE KNOWLEDGE BASE

Infrastructure for spatial information in Europe

Quick search

- Community
- Data and Service Sharing
- Data Specifications
- Implement
- INSPIRE
- INSPIRE in your Country
- Learn
- Maintenance and Implementation
- Metadata
- MIG Workprogramme
- Monitoring and Reporting
- Network Services
- Spatial Data Services
- Use

INSPIRE tools

Category

- Any - ▾

Filter

Reset



[Conference proceedings](#)



[Data Models](#)



[Data Specifications](#)



[Document library](#)



[Find your scope](#)



[INSPIRE Conferences](#)



[INSPIRE Dashboard](#)



[INSPIRE Extensions](#)



[INSPIRE Geoportal](#)



[INSPIRE in Practice](#)



[INSPIRE in your Country](#)



[INSPIRE registry](#)



[INSPIRE Validator](#)




[Metadata Editor](#)




[Metadata Validator](#)





The purpose of the INSPIRE validator is to help data providers, solution providers and national coordinators to check whether data sets, network services and metadata meet the requirements defined in the INSPIRE Technical Guidelines. The validator provides detailed test reports to help implementers understand how well their data, services, metadata or software solutions are doing (or where they need to improve).

The validator is based on the Abstract Test Suites agreed between Member States and the Commission in the INSPIRE Maintenance and Implementation Group. The validator has been developed under AR23/16 ISA action.



Test your data, services or metadata

Pick your resource (data, services or metadata), select the test(s) to launch and check the results to see how well you are doing (or where you need to improve).

Results will be retained on server for 90 days, download option is available.

[Start a test](#)

ETF-VALIDATION SERVICE

Starte Test Status Testberichte Hilfe

Testprojekte

Start

Wählen Sie eine oder mehrere Test Suites mit einem Klick auf die rechten Kippschalter ("use") aus und drücken Sie den "Start" Knopf, der erscheint, wenn mindestens eine Test Suite ausgewählt wurde. Bitte beachten Sie, dass Test Suites nur auf bestimmte Testobjekttypen angewendet werden können und daher nicht alle Test Suites in einem Testlauf miteinander kombinierbar sind. Zusätzliche Informationen über eine Test Suite werden mit einem Klick auf den Plus Knopf angezeigt.

Filter items...

Download Services (Technical Guidance version 3.1)

- + Conformance Class: Download Service - Direct WFS
- + Conformance Class: Download Service - Pre-defined Atom
- + Conformance Class: Download Service - Pre-defined WFS

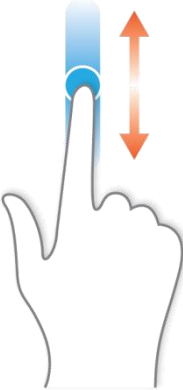
Metadata (Technical Guidance version 1.3)

- + Conformance class: INSPIRE Profile based on EN ISO 19115 and EN ISO 19119
- + Conformance class: Metadata for interoperability

Interoperable data sets in GML (Guidelines for the Encoding of Spatial Data version 3.3)

- + Conformance class: Data consistency, General requirements
- + Conformance class: INSPIRE GML application schemas, General requirements
- + Conformance class: Information accessibility, General requirements
- + Conformance class: Reference systems, General requirements

Data (Name: Addresses (Data Specification version 3.1))



Conformance Classes zur Überprüfung der GML-Konformität

ETF-VALIDATION SERVICE

INSPIRE Validator

Starte Test Status Testberichte Hilfe

- Conformance class: Application schema, Hydrography - Network
- Conformance class: Application schema, Hydrography - Physical Waters
- Conformance class: Data consistency, Hydrography
- Conformance class: Information accessibility, Hydrography
- Conformance class: Reference systems, Hydrography

Data Theme: Protected Sites (Data Specification version 3.2)

- Conformance class: Application schema, Protected Sites Simple
- Conformance class: Data consistency, Protected Sites
- Conformance class: Information accessibility, Protected Sites
- Conformance class: Reference systems, Protected Sites

Conformance Classes zur Überprüfung der DS-Konformität

Konfiguriere Testlauf

Label:

Datenquelle: Keine ausgewählt

ZIP oder XML Datei

Parameter

Files to test

Test Suites

ETF-VALIDATION SERVICE

Starte Test

- + Conformance class: Application schema, Hydrograp
- + Conformance class: Application schema, Hydrograp
- + Conformance class: Data consistency, Hydrography
- + Conformance class: Information accessibilit
- + Conformance class: Reference systems, Hydrograp

Conformance

Data Theme: Protected Sites (Data Specification version 3.2)

- + Conformance class: Application schema, Protected
- + Conformance class: Data consistency, Protected Sit
- + Conformance class: Information accessibility, Protec
- + Conformance class: Reference systems, Protected S

Konfiguriere Testlauf

Label:

Datenquelle: ▾

ZIP oder XML Datei: Keine ausgewählt

Parameter

Files to test

Gewählte Testprojekte

- Conformance class: Data consistency, General requirements (Version 0.2.1)
- Conformance class: INSPIRE GML application schemas, General requirements (Version 0.2.3)
- Conformance class: Information accessibility, General requirements (Version 0.2.2)
- Conformance class: Reference systems, General requirements (Version 0.2.1)
- Conformance class: Application schema, Protected Sites Simple (Version 0.2.1)
- Conformance class: Data consistency, Protected Sites (Version 0.2.0)
- Conformance class: Information accessibility, Protected Sites (Version 0.2.2)
- Conformance class: Reference systems, Protected Sites (Version 0.2.0)

Direkte Abhängigkeiten

- Conformance class: INSPIRE GML encoding (Version 0.2.1)
- Conformance class: GML application schemas, Protected Sites (Version 0.2.1)

Test Suites Credentials Optional Parameters

Hilfe

mität

ETF-VALIDATION SERVICE

Testlauf Monitor

```
24.11.2017 08:26:30 - Starting XQuery tests
24.11.2017 08:26:30 - "Testing 50 features"
24.11.2017 08:26:30 - "Indexing features (parsing errors: 0): 271 ms"
24.11.2017 08:26:30 - "Executing Test Suite: /home/tomcat/etf/projects/ets-repository/data/schemas/ets-schemas-bsxets.xml"
24.11.2017 08:26:30 - "Statistics table: 1 ms"
24.11.2017 08:26:30 - "Test Suite 'Conformance class: INSPIRE GML application schemas, General requirements' started"
24.11.2017 08:26:30 - "Test Case 'Schema' started"
24.11.2017 08:26:30 - "Test Assertion 'gmlas.a.1: Mapping of source data to INSPIRE': PASSED_MANUAL"
24.11.2017 08:26:30 - "Test Assertion 'gmlas.a.2: Modelling of additional spatial object types': PASSED_MANUAL"
24.11.2017 08:26:30 - "Test Case 'Schema finished': PASSED_MANUAL"
24.11.2017 08:26:30 - "Test Case 'Schema validation' started"
24.11.2017 08:26:30 - "Test Assertion 'gmlas.b.1: xsi:schemaLocation attribute': PASSED - 0 ms"
24.11.2017 08:26:30 - "Validating PS_vo_deegree.gml"
```

Abbrechen

ETF-VALIDATION SERVICE

INSPIRE Konferenz Wien - Validierung ProtectedSite

Status Failed
Started 24/11/2017 09:26:28 C
Duration 43 s

Level of detail
 All details
 Less information
 Simplified

1

2

Failed: 1 / 6

icy on this conformance

feature type in the

2

Failed: 1 / 2

3

11

4

1

Failed: 1 / 1

2

1

2

gmlas.b.2: validate XML documents

Validate each document against the schema(s) specified in the xsi:schemaLocation attribute using strict XML schema validation.

Relevant requirements:

- IR Requirement Article 3: Common Types. Types that are common to several of the themes listed in Annexes I, II and III to Directive 2007/2/EC shall conform to the definitions and constraints and include the attributes and association roles set out in Annex I.
- IR Requirement Article 4 (2): Types for the Exchange and Classification of Spatial Objects. Spatial object types and data types shall comply with the definitions and constraints and include the attributes and association roles set out in the Annexes.
- IR Requirement Article 4 (3): Types for the Exchange and Classification of Spatial Objects. The enumerations and code lists used in attributes or association roles of spatial object types or data types shall comply with the definitions and include the values set out in Annex II. The enumeration and code list values are uniquely identified by language-neutral mnemonic codes for computers. The values may also include a language-specific name to be used for human interaction.
- IR Requirement Article 5 (2): Types. Types that are a sub-type of another type shall also include all this type's attributes and association roles.
- IR Requirement Article 5 (3): Types. Abstract types shall not be instantiated.
- IR Requirement Article 6 (5): Code Lists and Enumerations. Attributes or association roles of spatial object types or data types that have an enumeration type may only take values from the lists specified for the enumeration type.
- IR Requirement Article 9 (1): Identifier Management. The data type Identifier defined in Section 2.1 of Annex I shall be used as a type for the external object identifier of a spatial object.
- TG Requirement 1: Spatial object types and data types shall comply with the multiplicities defined for the attributes and association roles in this section.
- TG Requirement 6: Data instance (XML) documents shall validate without error against the provided XML schema.

Note that validation is done on a file-by-file basis and access to many remote schema files is time consuming. I.e. it will be *much* faster to validate a single document with many features than many files with a few features each.

Source: [Abstract Test Case 'Schema validation', INSPIRE Data Specification Template, A.1.1, A.1.2, A.1.3, A.1.4, A.1.5, A.3.2, \(A.6.1\), A.8.1, A.9.5](#)

Status Failed
Duration 11 s

Messages

The dataset has 1 file(s) with errors for this assertion.
XML document 'PS_vo_deegree.gml': The file has 4 schema validation error(s).
XML document 'PS_vo_deegree.gml': 3:43: cvc-datatype-valid.1.2.1: '+geom:9102' is not a valid value for 'NCName'.
XML document 'PS_vo_deegree.gml': 3:43: cvc-attribute.3: The value '+geom:9102' of attribute 'gml:id' on element 'ps:ProtectedSite' is not valid with respect to its type, 'ID'.
XML document 'PS_vo_deegree.gml': 86:37: cvc-datatype-valid.1.2.1: '9102' is not a valid value for 'NCName'.
XML document 'PS_vo_deegree.gml': 86:37: cvc-attribute.3: The value '9102' of attribute 'gml:id' on element 'ps:ProtectedSite' is not valid with respect to its type, 'ID'.

Conformance class: Application schema, Protected Sites Simple

KONKLUSION

- ETF derzeit einzig sinnvolles Validierungsframework
 - Bisher problemlose Validierung
 - Ergebnisse sind nachvollziehbar
 - Getestet mit großen Datensätzen
 - Skalierbarkeit ist gegeben
- Fragen für 2016.3: *Validation and conformity testing*
 - Wozu verschiedene Validierungsplattformen?
 - Unterschiedliche Ergebnisse da ATS nicht immer 100% in gleichen ETS enden bzw. unterschiedliche Bibliotheken zum Einsatz kommen
 - Beispiel: Nicht valide Geometrie bei eENVplus-Validator vs. valide Geometrie in ETF-Validator
 - Validierung der GML Datei in PostGIS und QGIS → ebenfalls valide SF Geometrie



INSPIRE

Validator

[About](#) | [Contact](#) | [Privacy Policy](#) | [Legal notice](#)

English (en) ▾

[European Commission](#) > [INSPIRE](#) > [INSPIRE Validator](#)



The purpose of the INSPIRE validator is to help data providers, solution providers and national coordinators to check whether data sets, network services and metadata meet the requirements defined in the INSPIRE Technical Guidelines. The validator provides detailed test reports to help implementers understand how well their data, services, metadata or software solutions are doing (or where they need to improve).

The validator is based on the [Abstract Test Suites](#) agreed between Member States and the Commission in the INSPIRE Maintenance and Implementation. The validator has been developed under ARE3NA ISA action.



Test your data, services or metadata

Pick your resource (data, services or metadata), select the test(s) to launch and check the results to see how well you are doing (or where you need to improve).

Results will be retained on server for 8 days, download option is available.

[Start a test](#)

KONTAKT & INFORMATION



Roland Grillmayer

+43-(0)1-313 04/3331, roland.grillmayer@umweltbundesamt.at

Umweltbundesamt
www.umweltbundesamt.at

INSPIRE Workshop Österreich
Wien • 29.11.2017

PERSPEKTIVEN FÜR
UMWELT & GESELLSCHAFT **umweltbundesamt**^U