



Validace dat INSPIRE

Česká zkušenost

Michal Med, Veronika Kůsová, Ivana Svatá, Jiří Poláček



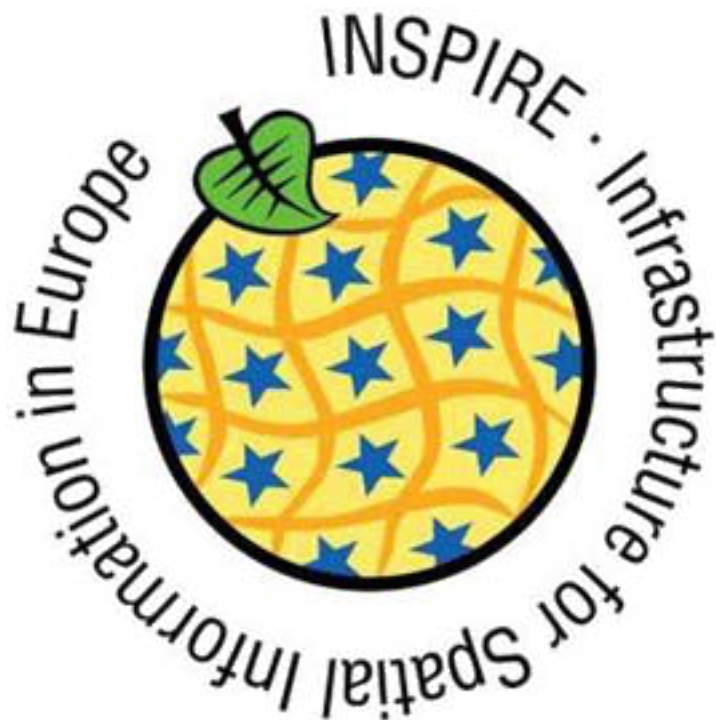
INSPIRUJME SE

Vzdělávací a informační centrum Floret,
Průhonice
27.-28.2.2018

Validace

Co je to validace?

*„**Validace** je proces kontroly platnosti zadaných údajů. Pokud data projdou **validací**, znamená to, že byly splněny požadavky na tyto data.“*



- Datová specifikace
- Technické návody
- Implementační pravidla

Co je validátor

- Technický nástroj pro validaci
- Sada testů, kontrolující testovaný zdroj

+ Init TestProject 1

+ Service is available 6

+ GetCapabilities is schema valid 1

— Operation endpoints are available Failed: 1 / 6

Check if the endpoints from the Capabilities are accesable and if basic requirements are met to query the service. The first found FeatureType and the first found OutputFormat from the Capabilities are taken for one GetFeature and one DescribeFeatureType request. This test case will most likely fail if FeatureTypes or OutputFormats are listed in the (manually edited) Capabilities document which the underlying service implementation is not capable to serve.

Status Failed
Duration 2.591 s

+ GetCapabilities 7

+ Activate Operations

+ GetFeature 4

— DescribeFeatureType Failed: 2 / 4

Request the first found OutputFormat from the Capabilities to check if the DescribeFeatureType endpoint is available. This test step will most likely fail, if the Output Format is listed in the Capabilities but not supported by the implementing service. If the service is capable to serve the requested Output Format but rejects the request, there might be an issue with the encoding of whitespaces (%20) from the request. Called by 'Activate Operations'.

Status Failed
Duration 1.192 s

[Endpoint](#)

Request

`https://test-zbgisws.skgeodesy.sk/inspire_transport_networks_wfs/service.svc/get?OUTPUTFORMAT=application%2Fgml%2Bxml%3B+version%3D3.2&REQUEST=DescribeFeatureType&SERVICE=WFS&VERSION=2.0.0`

[Open saved response](#)

Validátory

- JRC – <http://inspire-geoportal.ec.europa.eu/validator2/>
- TEAM Engine – <http://cite.opengeospatial.org/teamengine/>
- ETF – <http://inspire-sandbox.jrc.ec.europa.eu/etf-webapp/>
- EENVplus – <http://validation-service.inspire-helpdesk.eu/#inspire-directive>



ETF Validátor

Vývoj validátoru

- <http://inspire-sandbox.jrc.ec.europa.eu/etf-webapp/>
- Testuje služby a data první přílohy




Komunikace s vývojáři





41 Open ✓ 59 Closed		Author ▼	Labels ▼	Projects ▼	Milestones ▼	Assignee ▼	Sort ▼
!	Unexpected test failure: no AdministrativeUnit features found	for-2017.4-discussion					8
	#142 opened 15 days ago by PeterParslow						
!	"User specified parameters" should not be dropped in WFS requests	Type: Enhancement					3
	#141 opened 21 days ago by heidivanparys						
!	Requests in "Service is available" when parameters are used	Type: Bug					
	#140 opened 21 days ago by heidivanparys						
!	Download Service validation fails: identical namespace declarations in a Capabilities document	Type: Bug	progress: in progress				2
	#139 opened 23 days ago by thijsbrentjens						
!	Question collection of metadata records	for-2017.4-discussion					5
	#138 opened 28 days ago by heidivanparys						
!	Issue with gmlas.d.10: Validate geometries (1) regarding outer ring orientation	Type: Bug					3
	#137 opened on 19 Jan by heidivanparys						
!	INSPIRE EPSG Code in datametadata vs. servicemetadata	Type: Bug					1
	#135 opened on 19 Dec 2017 by Michael-81						
!	md-iso.a.4: Public access: update to version 2.0.1						1
	#133 opened on 12 Dec 2017 by juremekis						
!	md-iso.a.3: Access and use conditions: update to version 2.0.1						1
	#132 opened on 12 Dec 2017 by juremekis						
!	Error using DQ_ConformanceResult	Type: Discussion	for-2017.4-discussion				1
	#130 opened on 12 Dec 2017 by LauraAlemany						
!	md-iop.a.3: Encoding should allow gmx:Anchor too	Type: Bug	progress: waiting for feedback				1
	#127 opened on 24 Nov 2017 by heidivanparys						


Testy

INSPIRE Validator

Start test

Status

Test reports

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.

Download Services (Technical Guidance version 3.1)	
<div><div>+</div>Conformance Class: Download Service - Direct WFS</div>	<div><input type="checkbox"/>use</div>
<div><div>+</div>Conformance Class: Download Service - Pre-defined Atom</div>	<div><input type="checkbox"/>use</div>
<div><div>+</div>Conformance Class: Download Service - Pre-defined WFS</div>	<div><input type="checkbox"/>use</div>
Metadata (Technical Guidance version 1.3)	
<div><div>+</div>Conformance class: INSPIRE Profile based on EN ISO 19115 and EN ISO 19119</div>	<div><input type="checkbox"/>use</div>
<div><div>+</div>Conformance class: Metadata for interoperability</div>	<div><input type="checkbox"/>use</div>

Příklad 1 – bounding box



MichalMed commented on Oct 17, 2017



<http://inspire-sandbox.jrc.ec.europa.eu/etf-webapp/v2/TestRuns/EID1c76dbd1-644b-4b3e-b6fe-2851d7b1cca9.html>

During the validation of metadata I've got following error on coordinates:

The metadata record set has 1 record(s) with errors for this assertion.

XML document 'metadata_CP.xml', record 'CZ-00025712-CUZK_SERIES-MD_CP': A dataset (series) metadata record must have a valid bounding box that defines the extent of the resource in geographic space. The bounding box is valid if: 1) it has four coordinates (given in decimal degree with a precision of at least 2 decimals), 2) both west- and east-bound longitude are greater than or equal to -180.00, and smaller than or equal to 180.00, 3) both south- and north-bound latitude are greater than or equal to -90.00, and smaller than or equal to 90.00, 4) south-bound latitude is smaller than or equal to north-bound latitude. At least one of these criteria is not fulfilled for one of the geographic bounding boxes of this metadata record. The provided values of this bounding box are: west-bound longitude = '12', east-bound longitude = '19', south-bound latitude = '48.5', north-bound latitude = '51.5'.

west-bound longitude = '12',
east-bound longitude = '19',
south-bound latitude = '48.5',
north-bound latitude = '51.5'

I don't see any disconformance in here.

Příklad 1 – bounding box



cportele commented on Oct 17, 2017 • edited ▼

Owner



The issue is that the ATS (<https://github.com/inspire-eu-validation/metadata/blob/master/iso-19115-19119/geographic-bounding-box.md>) includes the assertion that all coordinates have "a precision of at least 2 decimals" (see item 1 in the error message), but the numbers have no or only 1 decimal.

That is, '12.00', '19.00', '48.50' and '51.50' should pass.

Příklad 2 – encoding



<https://github.com/inspire-eu-validation/ets-repository/issues/93>

MichalMed commented on Sep 11, 2017



During the test of WFS direct access <http://inspire-sandbox.jrc.ec.europa.eu/etf-webapp/v2/TestRuns/EID18b3511c-0afc-4bd2-a82b-7e58bb809e21.html> I've got an error message, that:

OGC TEAM Engine returned HTTP status code: 500 (Internal Server Error). Message: Error executing test suite (wfs20-1.26)

Please note: it seems that your server does not support URL encoding correctly. The encoded URL '<http://services.cuzk.cz/wfs/inspire-cp-wfs.asp?ACCEPTVERSIONS=2.0.0%26REQUEST=GetCapabilities%26SERVICE=wfs%26VERSION=2.0.0>' and the URL '<http://services.cuzk.cz/wfs/inspire-cp-wfs.asp?ACCEPTVERSIONS=2.0.0&REQUEST=GetCapabilities&SERVICE=wfs&VERSION=2.0.0>' return different documents. The OGC TEAM engine uses only the encoded URL.

This looks weird, because if UriEncode is used, the whole request shall look like this: <http%3A%2F%2Fservices.cuzk.cz%2Fwfs%2Finspire-cp-wfs.asp%3FACCEPTVERSIONS%3D2.0.0%26request%3DGetCapabilities%26service%3Dwfs%26VERSION%3D2.0.0>

Why do you want to have encoded only '&' and not the whole URI?

Příklad 2 – encoding



jonherrmann commented on Sep 11, 2017

Member + 😊

The query needs to be encoded for the OGC Team Engine, see the description of the WFS parameter here: <http://cite.openegeospatial.org/teamengine/rest/suites/wfs20/1.26/>

With your service it works, when the complete query part is encoded:

<http://services.cuzk.cz/wfs/inspire-cp-wfs.asp%3FACCEPTVERSIONS%3D2.0.0%26REQUEST%3DGetCapabilities%26SERVICE%3Dwfs%26VERSION%3D2.0.0>

However if we pass the complete query encoded URL to the OGC Team Engine, we also receive an error from the TEAM Engine:

<http://cite.openegeospatial.org/teamengine/rest/suites/wfs20/1.26/run?wfs=http://services.cuzk.cz/wfs/inspire-cp-wfs.asp%3FACCEPTVERSIONS%3D2.0.0%26REQUEST%3DGetCapabilities%26SERVICE%3Dwfs%26VERSION%3D2.0.0>

Same applies for your complete encoded URL:

<http://cite.openegeospatial.org/teamengine/rest/suites/wfs20/1.26/run?wfs=http%3A%2F%2Fservices.cuzk.cz%2Fwfs%2Finspire-cp-wfs.asp%3FACCEPTVERSIONS%3D2.0.0%26request%3DGetCapabilities%26service%3Dwfs%26VERSION%3D2.0.0>

I will open an issue in the OGC Team Engine repository.

Příklad 3 – dataset X series



MichalMed commented on Oct 27, 2017



I open this issue to keep track of how it goes. There have been some troubles with definition of dataset and series recently and all we know that it is a problem that has to be solved on the level of MIG. I'm creating this issue to raise its importance.

Case of the Czech Republic -- Series contains all data for the Czech Republic for one schema. Datasets are divided by regions, municipalities or other areas. The files are generated for datasets. It is really important approach towards ATOM, where it really depends on the level in order to be able to filter data based on feed or subfeed information. It is not possible to filter data of subsets, because they are portrayed as entries in ATOM, and only feeds or subfeeds may be returned. This problem needs to find solution on a MIG ground, one way or another, but current situation is ambiguous.

Příklad 3 – dataset X series



michellutz commented on Oct 28, 2017



Dear Michal,

thanks for the feedback. As you may know, we are discussing this issue at the upcoming MIG-T meeting, in order to decide whether some additional guidance or best practices need to be developed to come to a more consistent usage of the concept of data set series in INSPIRE.

We are collecting feedback on the approaches in different MS in [this issue in the MIG collaboration platform](#). I have copied over your input and invite you to follow any follow-up discussion there and/or in the minutes of the [44th MIG-T meeting](#).

Cheers,
Michael

Účel validace

Opravy chyb



Monitoring a reporting



Děkujeme za pozornost

- michal.med@cuzk.cz
- ivana.svata@cuzk.cz
- jiri.polacek@cuzk.cz
- veronika.kusova@cuzk.cz

