



Možnosti validace  
metadat, dat a služeb

# Metadatový editor Národního geoportálu INSPIRE



Adresy Metadata Dokumenty  
Zadejte část adresy, název lokality

Email:  Heslo:

[Registrace](#) | [Zapomenuté heslo](#)



VÍTEJTE MAPY **METADATA** ESHOP VALIDACE INSPIRE DOKUMENTY GEOREPORTY NÁPOVĚDA

VYHLEDAT VYTVOŘIT GEO-DCAT

Micka XML Storno

Národní

## Metadata dat: Nový záznam / úprava záznamu

Jazyk metadat:

1.1 Název

1.2 Abstrakt

1.3 Typ

1.4 Odkaz



URL

Funkce

Protokol

Popis odkazu

CZ-15 Formát dat

Interoperabilní

1.5 Jedinečný identifikátor



URI

Text

1.7 Jazyk

### Validace

- XSD **Nevalidní**
- 1.1 **Název**
- 1.2 **Abstrakt**
- 1.3 **Typ**
- 1.4 **Odkaz**
- 1.5 **Jedinečný identifikátor**
- 1.7 **Jazyk**
- 2.1 **Tematická kategorie**
- 4.1 **Geografické ohraničení**
- 5a **Referenční datum**
- 5b **Časový rozsah**
- 6.1 **Původ**
- 6.2 **Prostorové rozlišení**
- 8.1 **Podmínky pro přístup a užití**
- 8.2 **Omezení veřejného přístupu**
- 9.1 **Odpovědná organizace nebo osoba**
- 9.1d **Role zodpovědné organizace**
- 10.1 **Kontakt - metadata**
- 10.1d **Role kontaktu metadat = kontaktní bod**
- 12 **Oblast působnosti - jakost**
- IOD- **Souřadnicový rereferenční systém**
- IOD- **Distribuční formát**
- 3 **IOD-**

# Validátor Národního geoportálu INSPIRE



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VÍTEJTE MAPY METADATA ESHOP VALIDACE INSPIRE DOKUMENTY GEOREPORTY NÁPOVĚDA

METADATA A SLUŽBY

## Validátor metadat a služeb

Typ: **Metadata - národní profil** ▼

Soubor  URL

**Výsledek validace**

**Validace metadat proti INSPIRE/Národnímu profilu ČR**

- ✔ (XSD) OK
- ✔ (1.1) **Název (Resource title)**  
CORINE Land Cover 2018 databáze České republiky (CLC18\_CZ)
- ✔ (1.2) **Abstrakt (Resource abstract)**  
Databáze s klasifikací pokryvu zemského povrchu v rozsahu ČR v roce 2018. Databáze CLC2018 byla interpretována z aktualizované databáze CLC2012. Velikost nejmenší mapovací jednotky pro polygony CLC2018 byla stanovena na 25 ha.
- ✔ (1.3) **Typ (Resource type)**  
datová sada (dataset)
- ✔ (1.4) **Odkaz (Resource locator)**  
http://gis.cenia.cz/geoserver/corine\_land\_cover\_2018/wms?  
service=WMS&request=GetCapabilities
  - ✔ (a) **Dostupné ON-LINE**  
HTML, 0.005 s
  - ✔ (b) **Protokol**  
https://services.cuzk.cz/registry/codelist/OnlineResourceProtocolValue/OGC:WMS-1.3.0-http-get-capabilities
- ✔ (1.4) **Odkaz (Resource locator)**

## Validátor metadat a služeb

Pomocí tohoto validátoru můžete ověřit, zda Vaše metadata k datům a službám nebo Vaše prohlížečské služby WMS jsou v souladu s [Metadatovým profilem ČR v aktuální verzi 4.2](#).

### Validace metadatových záznamů

1. Soubor XML - Pokud chcete validovat metadatový záznam dat nebo služby, zvolte "Typ: Metadata" a záložku "Soubor". Pomocí tlačítka "Procházet" načtete požadovaný soubor ve formátu XML a klikněte na "Validovat".
2. Validovat můžete také přímo metadatový záznam dat nebo služby uložený ve Vašem metadatovém katalogu. Zvolte "Typ: Metadata" a záložku "URL". Vyplňte URL adresu Vašeho metadatového záznamu (jednotlivé metadatové záznamy jsou v katalogu identifikovány pomocí UUID) a klikněte na "Validovat".

### Validace prohlížečských služeb WMS

1. Pro Vaši prohlížečskou službu můžete zvalidovat soubor "Capabilities". Tato služba nemusí být spuštěna. V nabídce zvolte "Typ: Prohlížečská služba" a záložku "Soubor". Pomocí tlačítka "Procházet" načtete požadovaný soubor ve formátu XML a klikněte na "Validovat".
2. Pokud chcete zvalidovat běžící prohlížečskou službu (WMS), zvolte "Typ: Prohlížečská služba" a záložku "URL". Zadejte URL adresu Vaší prohlížečské služby (WMS) a klikněte na "Validovat".

### Validace vyhledávacích služeb

1. V nabídce zvolte "Typ: Vyhledávací služba" a záložku "Soubor". Pomocí tlačítka "Procházet" načtete požadovaný soubor ve formátu XML a klikněte na "Validovat".
2. Pokud chcete zvalidovat běžící vyhledávací službu, zvolte "Typ: Vyhledávací služba" a záložku "URL". Zadejte URL adresu Vaší vyhledávací služby a klikněte na "Validovat".

### Výsledek validace

Výsledkem validace je výpis obsahující údaje o úplnosti vyplnění všech položek uvedených v technických požadavcích INSPIRE

- ✔ - prošlo - položka je vyplněna,
- ✘ - chyba - chybí povinná položka,
- ⚠ - výstraha - chybí podmíněně povinná položka,
- ℹ - upozornění - chybí nepovinná položka.

### INSPIRE prohlížečská služba

WMS služba, kterou vytvoříte na mapovém serveru, není INSPIRE prohlížečská služba. U takovéto služby je nutné ručně doeditovat několik položek. Pro vytvoření INSPIRE prohlížečské služby můžete využít [vzorovou službu](#), která je plně kompatibilní s INSPIRE.





Referenční INSPIRE validátor



# INSPIRE Monitoring 2020

Indicators grouped into 5 categories:

- availability of spatial data and services

- DSi1.1, DSi1.2, DSi1.3, DSi1.4, DSi1.5

- conformity of metadata

- MDi1.1, MDi1.2

- conformity of spatial data sets

- DSi2, DSi2.1, DSi2.2, DSi2.3

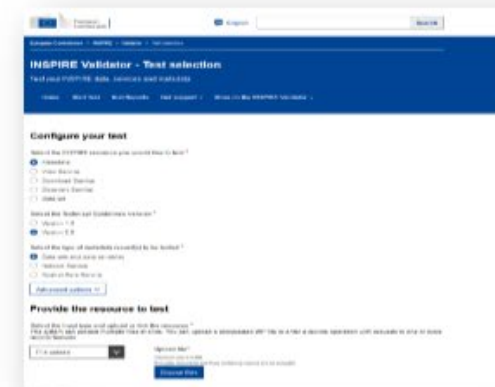
- accessibility of spatial data sets

- NSi2, NSi2.1, NSi2.2

- conformity of network services

- NSi4, NSi4.1, NSi4.2, NSi4.3, NSi4.4

**INSPIRE  
Reference  
Validator**  
(metadata  
validation)



**INSPIRE  
Geoportal**  
(linkages check)



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

## Welcome to the INSPIRE Reference Validator

The purpose of the INSPIRE Reference 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 improvements may be needed).

The Validator is based on the [Abstract and Executable Test Suites](#) agreed between Member States and the Commission in the INSPIRE Maintenance and Implementation Group, and includes a [helpdesk](#) to address feedback, bug reports and feature requests from the INSPIRE community. See the [changelog](#) of the current and past releases and the [release planning strategy](#) for the plan of future releases of the INSPIRE Reference Validator.

The Validator has been developed under [ARE3NA](#) and [ELISE](#) Actions of the ISA/ISA2 Programmes.



### 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).

[▶ Start a test](#)



### API

If you are a developer, you can access and call the operations of the validator API to power your own applications.

[⚙️ Try the API](#)



### Want more?

Download the software, deploy it in your own infrastructure and customise it to fit your specific needs.

[📄 Get the software](#)



### Feedback

Use the Community space to provide your feedback or proposals on the ATS, ETS or the ETF test framework.

[💬 Provide your feedback](#)

# "Evropský" INSPIRE Reference Validator

<https://inspire.ec.europa.eu/validator/test-selection/index.html>



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# "Evropský" INSPIRE Reference Validator

## INSPIRE Reference Validator

Start test    Status    Test reports    About    Help

### Executable Test Suites

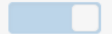
Start

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.

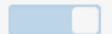
Filter items...

#### Metadata (TG version 2.0)

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



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



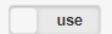
+ Conformance Class 2: INSPIRE data sets and data set series interoperability metadata.



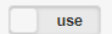
+ Conformance Class 2b: INSPIRE data sets and data set series metadata for Monitoring



+ Conformance Class 3: INSPIRE Spatial Data Service baseline metadata.



+ Conformance Class 4: INSPIRE Network Services metadata.





# "Evropský" INSPIRE Reference Validator

INSPIRE Reference Validator

Start test   Status   Test reports   About   Help

## Executable Test Suites


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Q Filter items...

Metadata (TG version 2.0)

- + 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 2b: INSPIRE data sets and data set series metadata for Monitoring
- + Conformance Class 3: INSPIRE Spatial Data Service baseline metadata.  use
- + Conformance Class 4: INSPIRE Network Services metadata.  use

ETF WebApp 2.0.0-b191118T1324 © 2017-2020 European Commission, interactive instruments GmbH



# "Nový evropský" INSPIRE Reference Validator

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

## INSPIRE Reference Validator - Test selection

[Home](#) [Test selection](#) [Test reports](#) [Get support](#) [More on the INSPIRE Reference Validator](#)

### Configure your test

Select the INSPIRE resource you would like to test

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

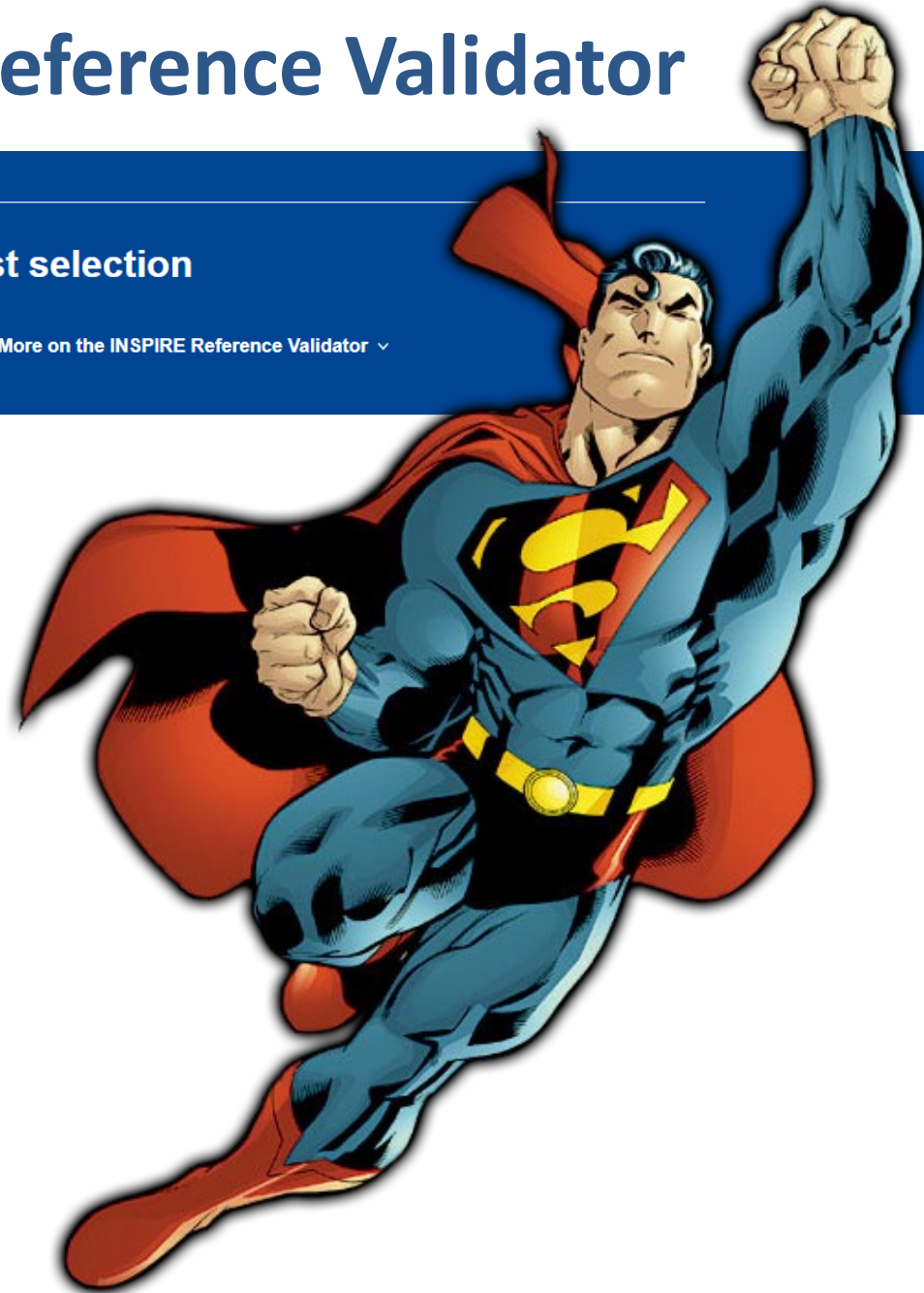
Select the Technical Guidelines version

- Version 1.3 - DEPRECATED
- Version 2.0

Select the type of metadata record(s) to be tested

- Data sets and data set series
- Network Service
- Spatial Data Service

[Advanced options](#) [▼](#)



# Validace metadat

## Configure your test

Select the INSPIRE resource you would like to test

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

Select the Technical Guidelines version

- Version 1.3 - DEPRECATED
- Version 2.0

Select the type of metadata record(s) to be tested

- Data sets and data set series
- Network Service
- Spatial Data Service

Advanced options ^

Select the conformance classes to be assessed

- Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records ([source](#))
- Conformance Class 1: 'Baseline metadata for data sets and data set series' ([source](#))
- Conformance Class 2: 'INSPIRE data sets and data set series interoperability metadata' ([source](#))
- Conformance Class 2b: 'INSPIRE data sets and data set series metadata for Monitoring' ([source](#))



# Validace metadat

## Configure your test

Select the INSPIRE resource you would like to test

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

Select the Technical Guidelines version

- Version 1.3 - DEPRECATED
- Version 2.0

Select the type of metadata record(s) to be tested


- Data sets and data set series
- Network Service
- Spatial Data Service

Advanced options 

## Provide the resource to test

Select the input type and upload or link the resource

Provide a URL to remote XML/GML file or a ZIP file containing XML/GML files, either from a request to an INSPIRE Spatial Data Service endpoint or a file repository. The download will be initiated after clicking on the 'Start' button. This download has a timeout of 120s.

Remote file 

File upload

Remote file

http://example.service.url/context?service=[SERVICE]&request=GetCapabi

# Validace služeb

## Configure your test

Select the INSPIRE resource you would like to test

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

Select the Download Service type

- Web Feature Service (WFS)
- Pre-defined Atom
- Sensor Observation Service (SOS)
- Web Coverage Service (WCS)

Select the WFS type

- Direct WFS
- Pre-defined WFS

Advanced options 

## Provide the resource to test

Specify the service details

The system can process multiple files at once. Please enter a getCapabilities request to your service.

Service URL



http://example.service.url/context?service=[SERVICE]&request=GetCapabi

# Validace dat

## Configure your test

Select the INSPIRE resource you would like to test

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

Select the data theme(s) relevant to the data set

- You can select more than one theme at a time.
- If no theme is selected, the data set will be only tested against the Conformance Classes for general requirements.
- For data themes displayed in grey below, specific conformance classes are not yet available. Proceed without any selection to test the dataset against the Conformance Classes for general requirements.

Annex I      Annex II      Annex III

-      Geology (GE)      -

Select the Application Schemas used by the data set

- Geology
- Geophysics
- Hydrogeology

- Elevation (EL)
- Geology (GE)
- Land cover (LC)
- Orthoimagery (OI)

Advanced options ▾

## Provide the resource to test

Select the input type and upload or link the resource

Select one or multiple XML/GML files or ZIP files containing XML/GML files. The Maximum size of each uploaded file is 50 MB. The upload starts immediately after selecting the files. The 'Start' button is unlocked when the upload has been successfully completed.

File upload ▾

Upload file\*

Maximum size is 50 MB.

Encrypted documents and those containing macros are not accepted.

Choose files



# Download INSPIRE Reference Validator

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



## Test your data, services or metadata

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[▶ Start a test ↗](#)



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# Česká instance INSPIRE validátoru

## <https://inspire.cenia.cz/validator/>

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

## INSPIRE Reference Validator - Test selection

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

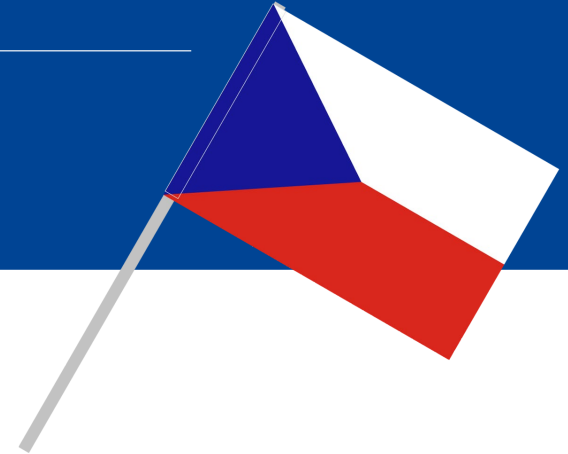
Select the Technical Guidelines version

- Version 1.3 - DEPRECATED
- Version 2.0

Select the type of metadata record(s) to be tested

- Data sets and data set series
- Network Service
- Spatial Data Service

[Advanced options](#)



# INSPIRE Validator API

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



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# INSPIRE Reference Validator

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



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[💬 Provide your feedback ↗](#)

# Proces vývoje INSPIRE validátoru

<https://github.com/INSPIRE-MIF/helpdesk-validator/tree/master/release%20strategy>



# Resource linkages checker tool

<https://inspire-geoportal.ec.europa.eu/linkagechecker.html>

This is a beta version. Please, notice that the features may not be complete and/or accurate.

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English (en) ▼



INSPIRE GEOPORTAL

Enhancing access to European spatial data

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

[Home](#) [Priority Data Sets Viewer](#) [Thematic Viewer](#) [Harvesting status](#) [Find out more about](#)

## Resource linkages checker tool

Emulate the checks by the INSPIRE Geoportal

This application may be used by INSPIRE data and service providers to emulate the checks executed by the INSPIRE Geoportal during its harvesting process. It reports potential issues, related to correctly established MD linkages among MS resources (Data set, View and Download services) identified during the harvesting, when the Geoportal is extracting and enriching the MD information found in the MS resources.

[Click here](#) for the detailed documentation about this process.



### Check new metadata

Use this option if you want to check a newly created metadata record



### Check existing metadata

Use this option if you want to check a metadata record that is already available through the INSPIRE Geoportal

### Data (Set or Series) metadata

Select the input type and paste your content inside the text area:

URL to INSPIRE metadata

INSPIRE metadata XML content

`https://geoportal.gov.cz/php/micka/record/xml/5b7a9ba5-1f34-4aca-a6ec-5c87c0a80138`

### View Service metadata

Select the input type and paste your content inside the text area:

URL to INSPIRE metadata

INSPIRE metadata XML content

`https://geoportal.gov.cz/php/micka/record/xml/5b7a984a-5a80-4571-bcf4-5c5ac0a80138`

### Download Service metadata

Select the input type and paste your content inside the text area:

URL to INSPIRE metadata

INSPIRE metadata XML content

`https://geoportal.gov.cz/php/micka/record/xml/550aab71-c794-4ae1-99bc-15e1c0a80153`

✓ Check Resources



## Linkage check results

### Linkage overview

View Service linkage



Download Service linkage



### Main linkage aspects

Linkage Aspect	Result
Data Set metadata contains Unique Resource Identifier	<input checked="" type="checkbox"/>
Data Set metadata contains INSPIRE Spatial Data Theme	<input checked="" type="checkbox"/>
The View Service has been contacted <a href="#">?</a>	<input type="checkbox"/>
Linkage has been established between the View Service and Data Set <a href="#">?</a>	<input type="checkbox"/>
The Download Service has been contacted <a href="#">?</a>	<input type="checkbox"/>
Linkage has been established between the Download Service and Data Set <a href="#">?</a>	<input type="checkbox"/>
A Download link has been determined <a href="#">?</a>	<input type="checkbox"/>
<p>The necessary resource locator (URL) of the Data Set from the Download service could not be determined.</p> <p>Have you successfully validated this metadata with the INSPIRE Reference validator?</p> <p><a href="#">Click here to open the INSPIRE reference validator</a></p> <hr/> <p>If you have validated the metadata, and still encounter this missing aspect, please <a href="#">contact the Geoportaal Helpdesk</a></p>	

# INSPIRE validátor na Geoportálu



Adresy

Metadata

Dokumenty

Zadejte část adresy, název lokality

Hledat

Email:

Heslo:

Přihlásit

Registrace | Zapomenuté heslo



VÍTEJTE MAPY METADATA ESHOP VALIDACE INSPIRE DOKUMENTY GEOREPORTY NÁPOVĚDA

METADATA A SLUŽBY INSPIRE VALIDÁTOR

## INSPIRE REFERENČNÍ VALIDÁTOR

INSPIRE referenční validátor je nástroj, který pomáhá poskytovatelům dat a národním koordinátorům kontrolovat, zda datové sady, síťové služby a metadata splňují požadavky definované v technických pokynech INSPIRE. Současná verze validátoru obsahuje testovací protokoly pro validaci metadat podle technických pokynů ve verzi 2.0, síťových služeb a dat pro témata přílohy I, II a III Směrnice INSPIRE. Více informací naleznete [na webových stránkách Evropské komise](#).

Pro poskytovatele z ČR je připravena instance INSPIRE validátoru na adrese:

<https://inspire.cenia.cz/validator/>

Videoukázka validace dat pořízená formou nahrávky při semináři [Den s INSPIRE 2021](#) bude umístěna v okně pod tímto textem.

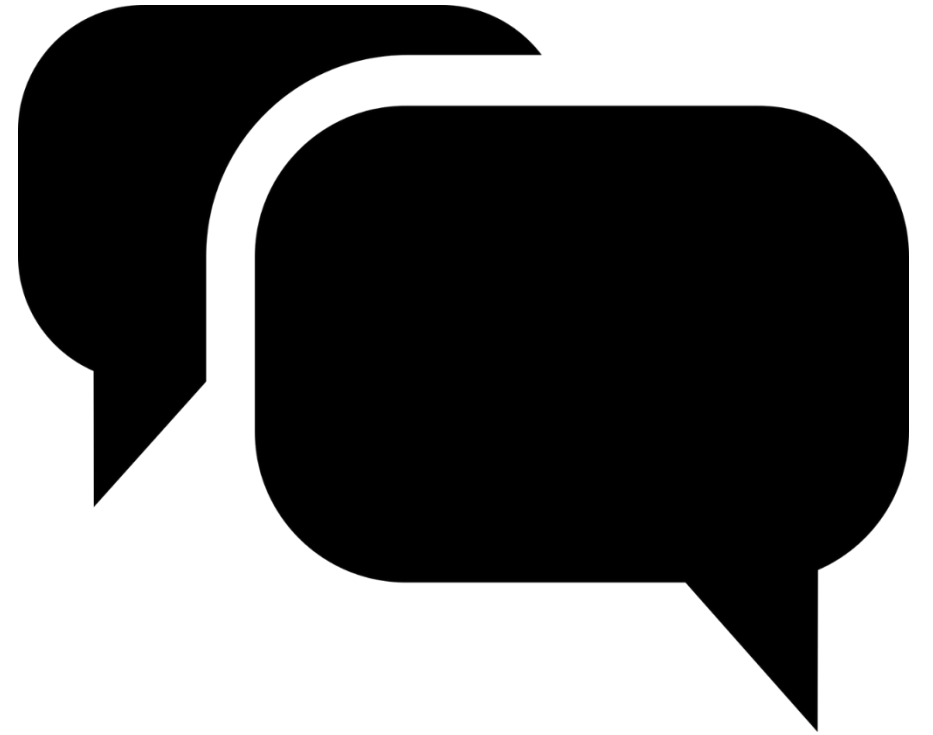
## VALIDÁTOR API A HROMADNÁ VALIDACE

Pro vývojáře je k dispozici [Validator API](#), které umožňuje spouštění operací validátoru z vlastních aplikací, a to včetně hromadné validace metadat, dat a služeb Bulk validation tool.

## NÁSTROJ PRO KONTROLU PROPOJENÍ ZDROJŮ

Pro otestování správného propojení metadat dat a služeb, je možné využít nástroj [Resource linkages checker tool](#).

Dotazy zadávejte do chatu



# PROGRAM

~~INSPIRE a vy v roce 2021~~  
~~(Jitka Faugnerová, CENIA)~~

~~Referenční INSPIRE validátor~~  
~~(Magdalena Kabátová, CENIA)~~

Validace dat (Miroslav Fanta, CENIA)

Národní katalog otevřených dat a  
geoportál (Jitka Faugnerová,  
Magdalena Kabátová, CENIA)

