

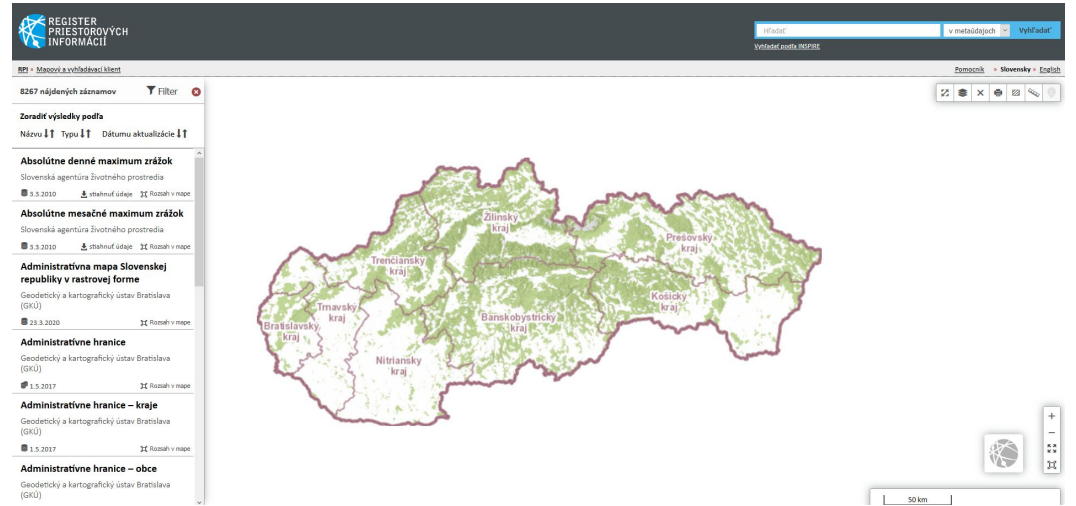
INSPIRE MIG 62

SK contribution to the Open data and distribution metadata topics

[Martin Tuchyňa](#), 02.07.2020

Motivation

- Foreseen update for improved metadata management (Inc. TG 2.0 compliance support)
- Making easier metadata creation and management
- Allowing better and more user friendly search and use of the geodata resources



Spatial Data Registry (SDR) 2.0

This version is based on current operation instance and provides improvements and new features.

- ▼ Stakeholders
- ▼ Harvester
- ▼ INSPIRE register
- ▼ Metadata collections



Identification of Open Data in the EC GeoPortal

Based on the EC Geoportal Issue "[Proper documentation of Open Data license](#)"

OpenData in the EC Geoportal

- Currently there is no way to filter metadata for Open Data in EC Geoportal

The screenshot displays the INSPIRE Geoportal interface. At the top, there is a navigation bar with the European Commission logo and the text "INSPIRE GEOPORTAL Enhancing access to European spatial data". Below this, a breadcrumb trail reads "European Commission > INSPIRE > Geoportal". A search bar is present with the text "Data sets with" and a filter for "Country: Slovakia".

On the left side, there is a "Filter results by:" section with the following options:

- Properties:
 - Downloadable
 - Viewable
- Spatial scope coverage:
 - National
 - Regional
 - Other

Below the filters, there are buttons for "Countries" and "Themes".

The main content area shows a table of search results. The table has columns for "Title" and "Properties". The results are as follows:

Title	Properties
INSPIRE PD 1,01 Zóny hodnotenia a riadenia kvality ovzdušia, Aglomerácie hodnotenia a riadenia kvality ovzdušia	[Download] [View] [Flag]
INSPIRE PD 12,01 Monitorovacie stanice vodných útvarov	[Download] [View] [Flag]
INSPIRE PD 9,01 Správne územia povodí (Rámcová smernica o vode)	[Download] [View] [Flag]
INSPIRE PD 6,01 Aglomerácie	[Download] [View] [Flag]
INSPIRE PD 35,01 Monitorovacie stanice podľa smernice 91/676/EEC	[Download] [View] [Flag]
INSPIRE PD 31,01 Lokalizácia aglomerácií	[Download] [View] [Flag]
INSPIRE PD 32,01 Lokalizácia komunálnych čistiarň odpadových vôd	[Download] [View] [Flag]
INSPIRE PD 33,01 Lokalizácia bodov vypúšťania komunálnych odpadových vôd do vodných útvarov (podľa WFD 200/60/EC)	[Download] [View] [Flag]
INSPIRE PD 34,01 Citlivé oblasti, menej citlivé oblasti a zberné vody	[Download] [View] [Flag]
INSPIRE PD 36,01 Zraniteľné oblasti podľa smernice 91/676/EEC	[Download] [View] [Flag]

At the bottom of the table, there is a pagination control showing "Showing 1 to 10 of 213 entries" and a "Previous" button followed by a numbered list (1, 2, 3, 4, 5, ..., 22, Next).

The footer of the page contains "INSPIRE Geoportal" on the left and "Version: 1.3.0" on the right.

OpenData in the EC Geoportal

- Users have to investigate record by record, what are the conditions and limitations for use

The screenshot shows the INSPIRE GEOPORTAL interface. At the top, there are navigation links: About | Contact | Privacy policy | Legal notice | Cookies, and a language dropdown set to English (en). The main header features the European Commission logo and the text "INSPIRE GEOPORTAL Enhancing access to European spatial data". Below this is a breadcrumb trail: European Commission > INSPIRE > Geoportal. A navigation bar includes Home, Priority Data Sets Viewer, Thematic Viewer, Harvesting status, and Find out more about.

The main content area displays the dataset title in Slovak: "INSPIRE PD 1,01 Zóny hodnotenia a riadenia kvality ovzdušia, Aglomerácie hodnotenia a riadenia kvality ovzdušia". Below the title are buttons for "Metadata" and "Country: Slovakia", and a dropdown for "Show metadata fields in: original MD language".

On the left side, there are sections for "Download Options", "View Options", and "Data set Metadata". The "Data set Metadata" section contains the following information:

- Resource Title:** INSPIRE PD 1,01 Zóny hodnotenia a riadenia kvality ovzdušia, Aglomerácie hodnotenia a riadenia kvality ovzdušia
- Resource Abstract:** Smernica Európskeho Parlamentu a Rady 2008/50/ES z 21. mája 2008 o kvalite okolitého ovzdušia a čistejšom ovzduší v Európe (vrátane implementácie Rozhodnutia 2011/850/EU); Referencia v legislatíve: Článok 6.27; Informácie o kvalite vonkajšieho ovzdušia a čistejšom ovzduší pre Európu. INSPIRE prioritný dataset (http://inspire-geoportal.ec.europa.eu/thematicviewer/Domain.action?domain=air_noise&national=false&legislationFilter=false&country=SK)
- Lineage:** <http://www.eionet.europa.eu/aqportal>
- Unique Resource Identifier:** Code: <https://data.gov.sk/set/rpi/dat/42181810/4E93317B0429510DE0530210000A9EA5>; Namespace: <https://data.gov.sk/set/rpi/dat/42181810/>
- Spatial Data Theme:** Environmental monitoring facilities; Environmental monitoring facilities
- Topic Category:** structure

On the right side, there are sections for "Reporting Tags" and "Geographic Bounding Box".

- Reporting Tags:** Priority Dataset: Directive 2008/50/EC - Air quality management zones and agglomerations; Directive 2008/50/EC - Management zones and agglomerations (Air Quality Directive); Directive 2008/50/EC - Directive 2008/50/EC; Spatial Scope: National
- Conditions Applying To Access And Use:** Creative Commons Attribution 4.0 International (CC BY 4.0)
- Limitations On Public Access:** Bez obmedzenia
- Geographic Bounding Box:** A map showing the location of the dataset in Slovakia, with a bounding box around the Bratislava region. The map includes labels for various regions and cities like Bratislava, Košice, and Prešov.
- Responsible Party:** Organisation name: Slovenský hydrometeorologický ústav; E-mail: michal.mladý@shmu.sk

OpenData in the EC Geoportal

In order to document Open Data resources - related metadata elements have to be documented: via MD element “8.1. Conditions applying to access and use” provider shall define:

- Use of relevant licence:
 - Creative Commons Attribution 4.0 International (CC BY 4.0)
[<https://creativecommons.org/licenses/by/4.0/>]
- or
- Creative Commons 1.0 Universal Public Domain Dedication (CC0 1.0)
[<https://creativecommons.org/publicdomain/zero/1.0>]
- Or use value from the codelist “Conditions Applying To Access and Use”
 - “no conditions to access and use” ?

+ via MD element “8.2. Limitations on public access” shall define:
value from the codelist “Limitations on public access”

- “no limitations to public access” ?


OpenData in the EC Geoportal

- Challenges
 - New PSI does not explicitly specify CC licences (BY, Zero)
 - Currently transpositions of PSI is ongoing in MS
 - In SK discussion was triggered, whether only CC licenses might be the only criterium for Open Data
 - What than shall be the filtering criterium to easily search for Open Data?
- Expectations
 - Common agreement, how to document Open Data resources might help, similarly as it was achieved in INSPIRE priority datasets
 - Possibility to filter Open Data resources on EC Geoportal

OpenData in the EC Geoportal

- Where the EC Geoportal might go

About | Contact | Privacy policy | Legal notice | Cookies



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

Data sets with

Legislation: Priority Country: Slovakia

52 | 20 | 16

Filter results by:

Properties:

Downloadable

Viewable

Spatial scope coverage:

National

Regional

Other

Open data

Countries

Legislations

Environmental Domains

Title	Properties
INSPIRE PD 1,01 Zóny hodnotenia a riadenia kvality ovzdušia, Aglomerácie hodnotenia a riadenia kvality ovzdušia	
INSPIRE PD 12,01 Monitorovacie stanice vodných útvarov	
INSPIRE PD 9,01 Správne územia povodí (Rámcová smernica o vode)	
INSPIRE PD 6,01 Aglomerácie	
INSPIRE PD 31,01 Lokalizácia aglomerácií	
INSPIRE PD 32,01 Lokalizácia komunálnych čistiarň odpadových vôd	
INSPIRE PD 33,01 Lokalizácia bodov vypúšťania komunálnych odpadových vôd do vodných útvarov (podľa WFD 200/60/EC)	
INSPIRE PD 34,01 Citlivé oblasti, menej citlivé oblasti a zberné vody	
INSPIRE PD 36,01 Zraniteľné oblasti podľa smernice 91/676/EEC	
INSPIRE PD 9,02 Územné jednotky povodia (rámcová smernica o vode)	

Show 10 entries Showing 1 to 10 of 52 entries Previous 1 2 3 4 5 6 Next

Metadata for various distributions

Based on the discussion about [“As-is” vs. INSPIRE-compliant data sets \(and how to document them in MD\)](#) from [60th MIG-T meeting Prague 2019-10-15+16](#)

Metadata for various distributions

- Example for Administrative Units



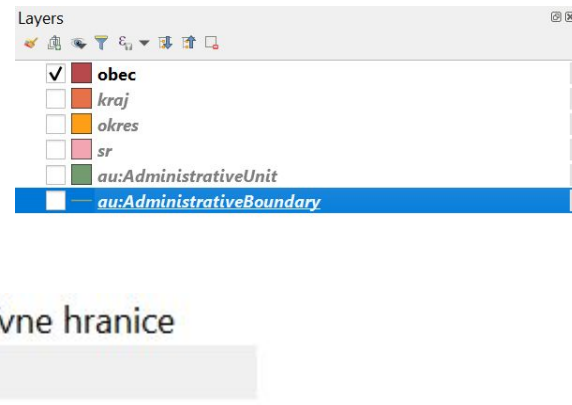
Distribúcia

Možnosti prenosu

Parametre prenosu


On-line


Lokátor zdroja: https://zbgisws.sk/geodesy.sk/inspire_administrative_units_wfs/service.svc/get?service=WFS&version=2.0.0&request=GetCapabilities



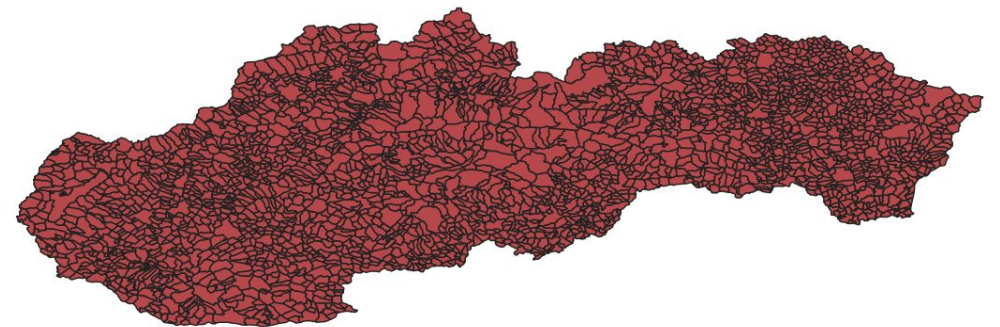
Ukladacia služba WFS – Administratívne hranice

 kraj

 obec

 okres

 sr



Metadata for various distributions

- Example for Administrative Units



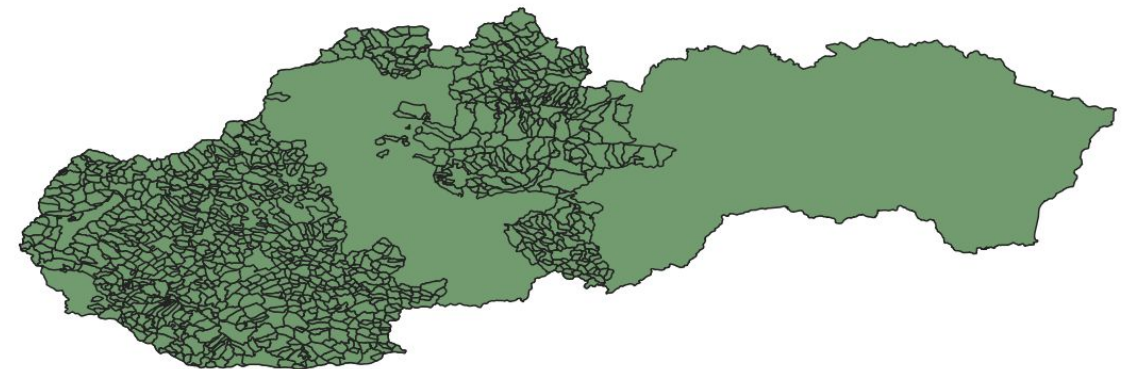
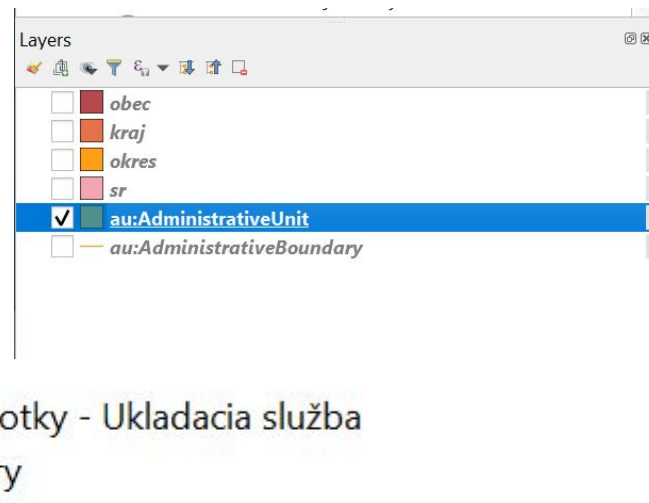
Distribúcia

Možnosti prenosu

Parametre prenosu

On-line

Lokátor zdroja: https://zbgisws.skgeodesy.sk/zbgis_administrativne_hranice_wfs/service.svc/get



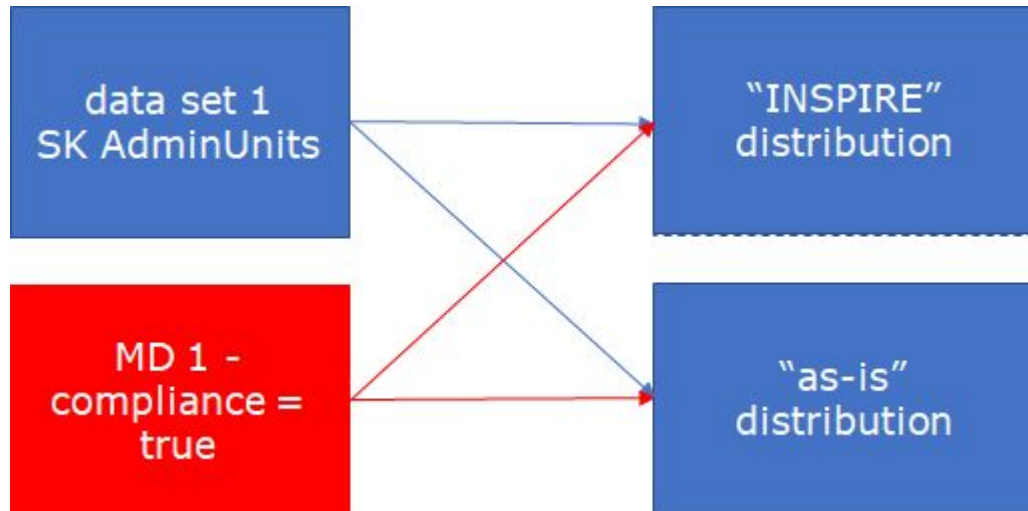
INSPIRE Administratívne jednotky - Ukladacia služba

 au:AdministrativeBoundary

 au:AdministrativeUnit

Metadata for various distributions

- Example for Administrative Units
Shall the implementation be like this?



Documenting the As Is and INSPIRE distributions on Dataset metadata level only?

REGISTER PRIESTOROVÝCH INFORMÁCIÍ

Vyhľadať podľa INSPIRE

RPI » Prispievateľ » Metaúdajový editor » Vypĺňanie položiek metaúdajového záznamu (3/3)

Validovať obsah **Metaúdajový editor** **Profil: Správne jednotky**

Uložiť s validáciou
Tlačiť
Pomocník

Validácia vypnutá
Validácia zapnutá

Sekcie

- » Identifikácia údajov
- » Kvalita a platnosť
- » **Distribúcia**
- » Referenčný systém
- » Metaúdaje o metaúdajoch

Vysvetlivky:
* Sekcia s nesprávne vyplneným obsahom

Distribúcia

Distribučný formát +

Názov	Administratívne hranice (as is AU)	?
Verzia		?
Špecifikácia		?

Distribučný formát + -

Názov	INSPIRE Administratívne jednotky (inspire AU)	?
Verzia		?
Špecifikácia		?

Distribúcia - možnosti digitálneho prenosu + ✕

On-line zdroj + ✕

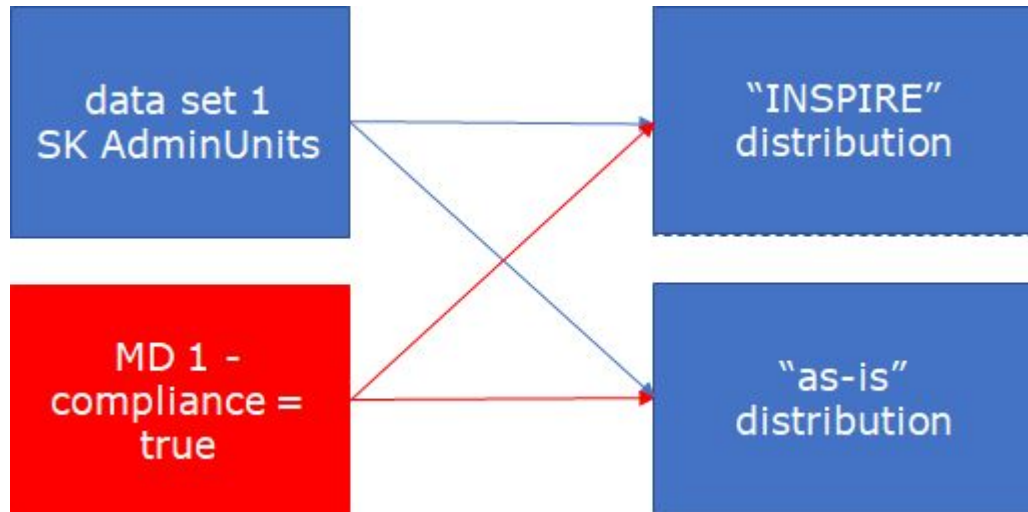
Lokátor zdroja	_wfs/service.svc/get?request=GetCapabilities&service=WFS	?
Funkcia	stiahnutie	?

On-line zdroj + - ✕

Lokátor zdroja	/c/get?service=WFS&version=2.0.0&request=GetCapabilities	?
Funkcia	=== Vybrať ===	?

Metadata for various distributions

- Example for Administrative Units Challenges



Compliance with INSPIRE interoperability IR

Súlrad s INSPIRE

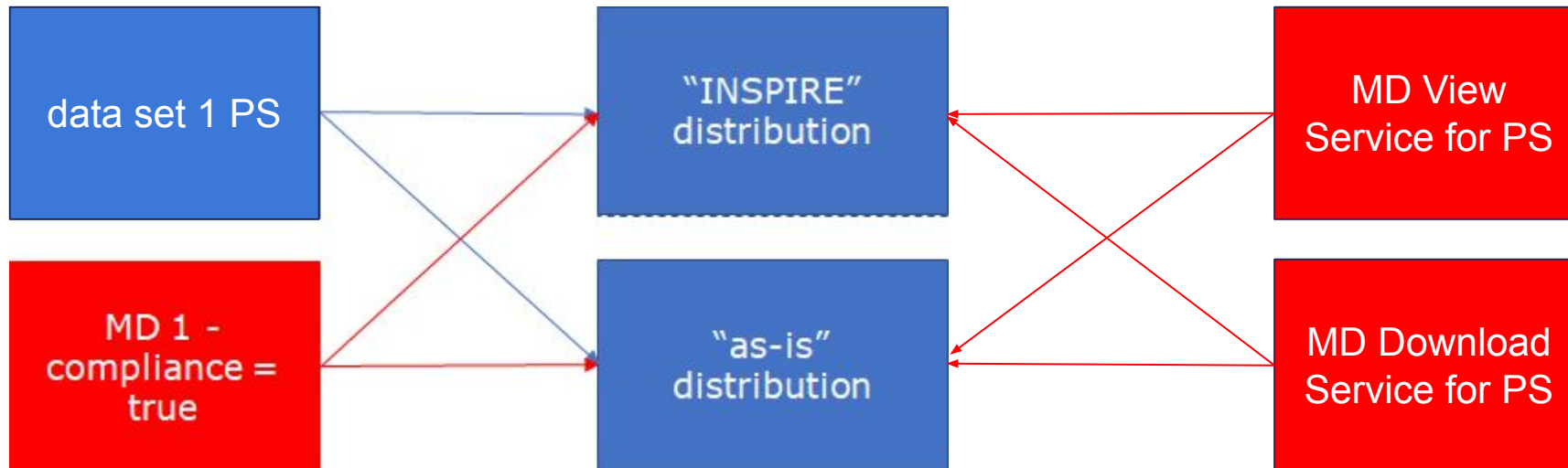
Súlrad

Súlrad - špecifikácia

Názov	Nariadenie Komisie (EÚ) č. 1089/2010 z 23. novembra 2010, ktorým sa vykonáva smernica Európskeho parlamentu a Rady 2007/2/ES, pokiaľ ide o interoperabilitu súborov a služieb	?
Alternatívny názov	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	+ ?
Referenčný dátum	2010-12-08	?
Referenčný dátum	2010-12-08	?
Typ udalosti	uvrejenie	?
Popis testu	Vid' Nariadenie Komisie (EÚ) č. 1089/2010	?
Stupeň	nehodnotený (súlrad nebol hodnotený)	?

Metadata for various distributions

- Example for Example for [Protected sites - Monument reservations and monument zones \(PS\)](#)
Shall the implementation be like this?



Is there a need for View and Download service metadata?
As for As IS as well as INSPIRE distribution?

Metadata for various distributions

- Example for Example for Protected sites - Monument reservations and monument zones (PS)

Challenges

The image shows a screenshot of a metadata form titled "Metaúdaje o volaní" with a plus sign icon. The form contains several fields:

- Názov operácie**: An empty text input field.
- Platformy spracovania (DCP)**: A dropdown menu with "webové služby" selected and a plus sign icon.
- Pristupové miesto**: A section header with a plus sign icon.
- URL adresa**: A text input field containing the URL `https://maps.geocloud.sk/geoserver/pusr/wms`, which is highlighted in yellow.
- Združený zdroj**: A section header with a plus sign icon.
- dokument:** A text input field containing the URL `https://data.gov.sk/set/rp`.
- url:** A text input field containing the URL `https://rpi.gov.sk/rpi_csw/`.

Red boxes on the right side of the image contain text and have red lines pointing to specific fields in the form:

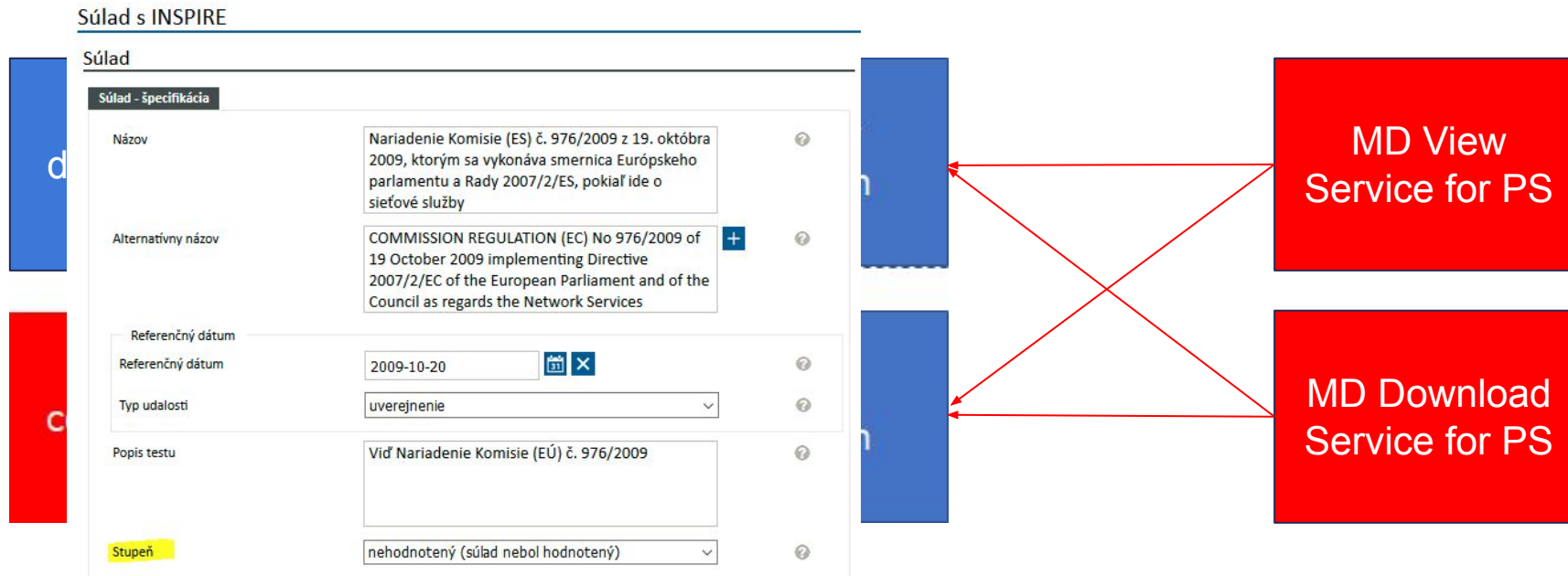
- The top red box contains the text "MD View Service for PS" and has red lines pointing to the "URL adresa" field and the "dokument:" field.
- The bottom red box contains the text "MD Download Service for PS" and has a red line pointing to the "url:" field.

Which endpoint to define as access point - As Is or INSPIRE one?

Metadata for various distributions

- Example for Example for Protected sites - Monument reservations and monument zones (PS)

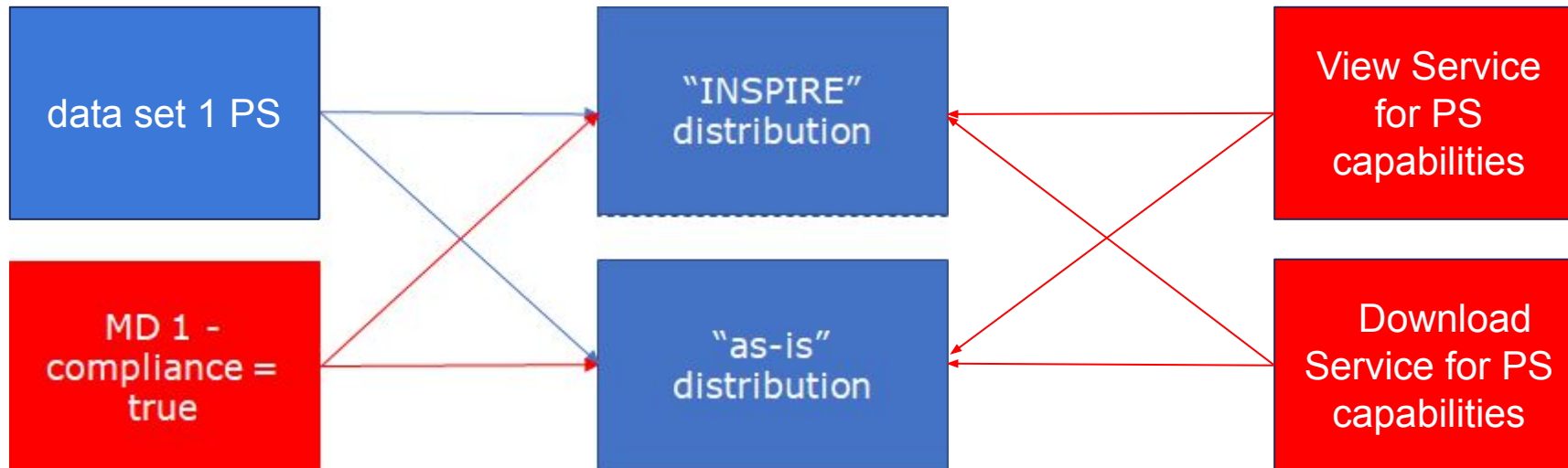
Challenges



Compliance with NS IR

Metadata for various distributions

- Example for Example for Protected sites - Monument reservations and monument zones (PS)
Challenges



Will MD linkage simplification work here?



Thank you