

QGIS & INSPIRE/SDI

QGIS UC Bratislava 2024

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[Youtube video](#)

Overview

1. Motivation
2. INSPIRE / SDI
3. QGIS in action
4. Lessons learnt
5. Outlook

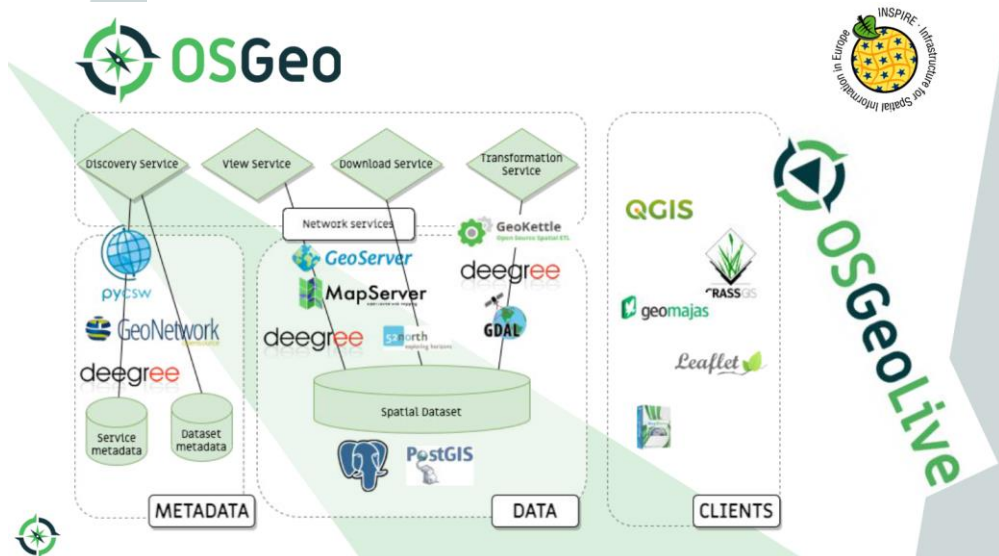
1. Motivation

The role of geospatial developer communities in the data sharing ecosystem

Codrina Maria Ilie
(OSGeo board member)



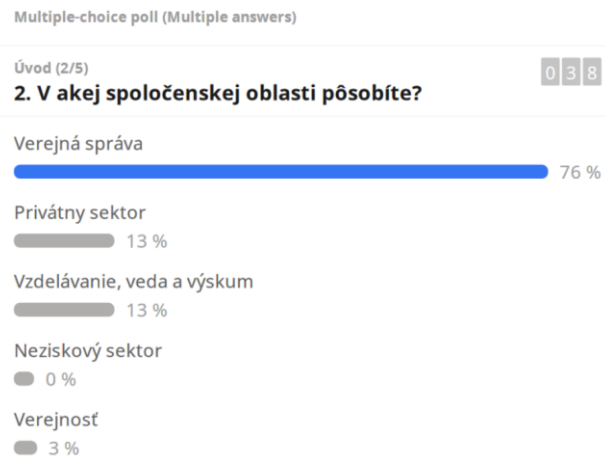

Is a full Open Source stack implementation for INSPIRE a possibility today?



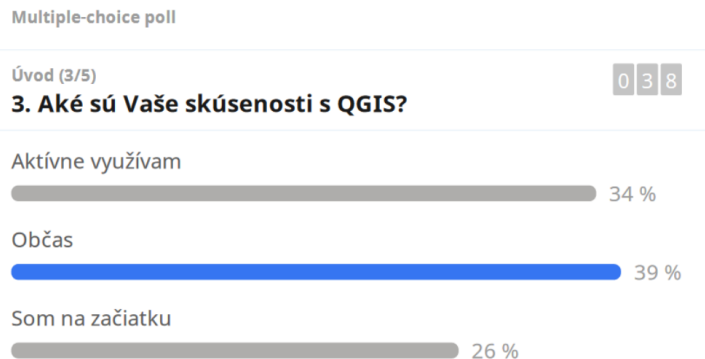
1. Motivation

- Why QGIS?
 - Important tool to access and use geospatial data shared by INSPIRE / SDI
 - Efforts of European Commission to make better client support for INSPIRE data ([Action 2017.3 of MIG-T](#))
 - Important player on the scene in Slovakia

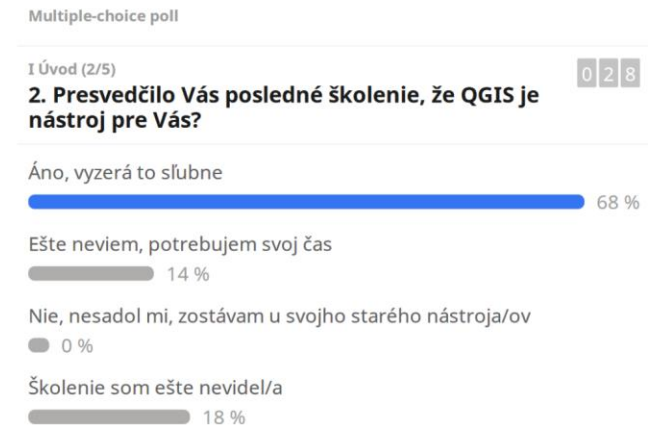
Slido



Slido



Slido



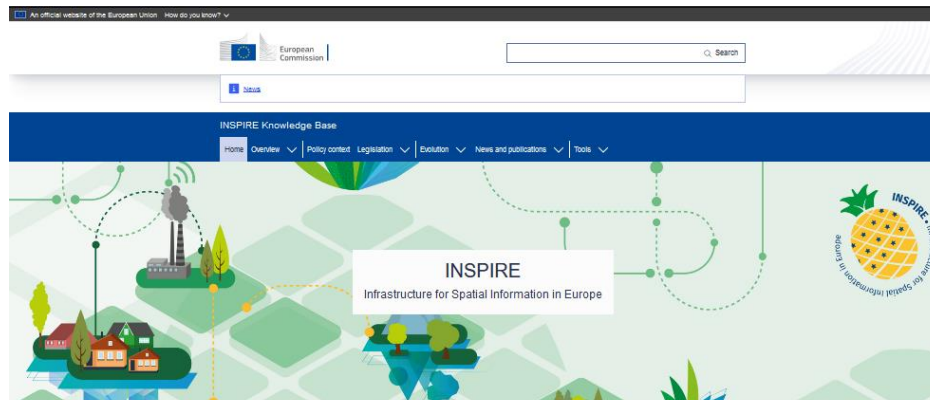
1. Motivation

- User's view
 - Fast & easy app access
 - Simple download & install
 - Intuitive App (CX/UI view)
 - Fast access to data / APIs
 - Strong content query / processing
 - Attractive visualisations
 - Smart publishing / sharing
- Provider's perspective
 - Content accessibility
 - Increased data usability
 - Data quality improvement
 - Interoperability compliance
 - Users' feedback
 - Increased credibility

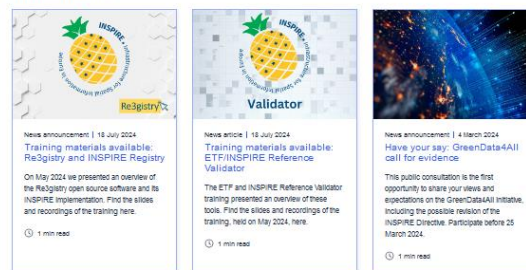
2. INSPIRE/SDI

• INSPIRE

- European effort to share geospatial data in harmonised way
- Based on national spatial data infrastructures (SDI)



In the spotlight



• Slovakian contribution to INSPIRE

Oficiálna stránka verejnej správy SR

NÁRODNÁ INFRAŠTRUKTÚRA PRIESTOROVÝCH INFORMÁCIÍ

Zadajte hľadaný výraz

INSPIRE - Aktuality Články Podujatia Podpora - Kontakt

INSPIRE na Slovensku

Všetko o infraštruktúre priestorových informácií

Tento web poskytuje informácie pre záujemcov o Národnú infraštruktúru priestorových informácií, ktorá predstavuje príspevok Slovenskej republiky do infraštruktúry pre priestorové informácie v Európe INSPIRE. [Viac o INSPIRE.](#)

Zadajte hľadaný výraz

Odporúčame [INSPIRE za 2,5 min](#) [OpenData & HVD](#) [Newsletter](#) [Skolenia](#)

POPULÁRNY OBSAH

- [Nasadzovanie Registra priestorových...](#)
- [Outputs of the 12th INSPIRE ESPUS Training...](#)
- [Ukončenie správy metaúdajov RPI 1](#)
- [Obmedzenia dostupnosti RPI](#)
- [Výstupy z 25. INSPIRE ESPUS Skolenia "Prehľad...](#)

Aktuality

28.06.2024
Konferencia Inšpirujeme sa 2024
Ministerstvo životného prostredia Slovenskej republiky a Česká informační agentura životního prostředí Vás pozývajú v termíne 20.-21. 11. 2024 na Strbské Pleso hotel Panorama...

03.06.2024
Destination Earth goes live!
Systém Destination Earth System sa spustí v pondelok 10. júna 2024 na oficiálnom spustení zo...

31.05.2024
Turistické trasy
Mapová kompozícia poskytujúca údaje z projektu Open street map.

21.05.2024
Skolenia INSPIRE Registry/ Re3gistry & ETF/Validator
Spoločné výskumné centrum Európskej komisie pripravilo skolenia na INSPIRE nástroje v termínoch 29...

30.04.2024
Publikácia SK INSPIRE Country Fiche a monitoringu 2024
Finálna verzia správy hodnotiacej implementáciu INSPIRE na Slovensku za rok 2023 bola sprístupnená

26.04.2024
OGC novinky
Prehľad štandardizačných aktivít Open Geospatial Consortium

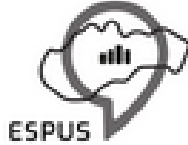
29.04.2024
Kompozícia environmentálnych rzič
Priestorové rozloženie identifikovaných environmentálnych rzič.

Prejsť na [všetky články](#)

3. QGIS in action

- [ESPUS project](#)

- INSPIRE/SDI support
- Usability testing



- Scope

- Usability of the 42 SK INSPIRE spatial datasets via QGIS, ArcMap, ArcPro, National geoportal apps
- Via INSPIRE (OGC) services
 - View (WMS, WMTS)
 - Download (ATOM, WFS)

- [Methodology](#)

- Outcomes

- Documented via [GitLab project](#)
- [Results of the tests](#)
- Errors collection

- Results for QGIS

- 2nd best successful amount of displayed view services
- 1st in amount of successfully processed downloadable services

	<i>QGIS user test view service</i>	<i>QGIS user test download service</i>	<i>ArcMap user test view service</i>	<i>ArcMap user test download service</i>	<i>ArcPro user test view service</i>	<i>ArcPro user test download service</i>	<i>National geoportal View service</i>
Successful	37	27	28	2	39	0	29
Partially successful	0	5	2	11	0	0	0
Unsuccessful	5	10	11	27	3	3	13

3. QGIS in action

- ESPUS project

- INSPIRE/SDI support
- QGIS trainings



- QGIS I

- Intro
- Installation and environment
- Basics for vector and raster data
- Web services
- Tips and tricks
- Examples of use



- QGIS II

- Create and edit
- Querying
- Analysis
- Maps and cartography
- Examples of use

- Outcomes

- Video recordings
- Presentations
- Interactions with the participants



4. Lessons learnt with QGIS

- Opportunities
 - Easy accessibility
 - Fast installation
 - Straightforward usage
 - WxS support
 - Importance of community support
- Challenges
 - Support for complex features (INSPIRE download services)
 - Download services with large amount of features
 - User experience

5. Outlook

- Global side
 - Important tool (not only) for public sector
 - Support for simplified web based solution for non experts with basic features: view, query
 - Continue with the support for the new OGC (OpenAPI based) services
- Our side
 - Continue with the QGIS usage
 - Support awareness
 - Contribute the further developments and community support

Take away



- Although it's not 100% love
- It's love from the reason