European Commission

Hľadať

MIG WORKSHOP ON THE IMPACT OF THE HVD ACT ON THE IMPLEMENTATION OF THE INSPIRE DIRECTIVE

MINISTRY OF ENVIRONMENT OF THE SLOVAK REPUBLIC

INSPIRE vs. OpenData&HVD
SK perspective

inspire@enviro.gov.sk

Context

- Legislation
- Governance
- Metadata
- Data
- Services/API
- Sharing/Licencing
- Monitoring/reporting

Legislation

INSPIRE

Observations/Comparisons

- Directive INSPIRE (2007/2)
  - Metadata regulation (1205/2008)
  - Interoperability regulations (1089/2010, 102/2011, 1253/2014)
  - Network services regulation (976/2009), Download and transformation amendment (1088/2010)
  - Spatial data services regulation (1311,1312/2014)
  - Data sharing regulation (268/2010)
  - Monitoring and reporting decision (2019/1372), regulation (2019/1010)

OD&HVD

Observations/Comparisons

- Directive Open Data (2019/1024)
  - Regulation HVD (2023/138)

Legislation II

INSPIRE

Observations/Comparisons

- SK transposition
  - 1 SDI Law (3/2010 with changes)
  - 1 Decree (352/2017 with changes)

Questions

- Will HVD require changes in INSPIRE legislation?

OD&HVD

Observations/Comparisons

- SK transposition
  - 1 Law on freedom of information (211/2000 with changes)
  - 1 Decree (78/2020)

Questions

- What are the exact dates of force/deadlines?
  - Directive entry force: 16.07.2019?
  - Regulation entry force: 09.06.2023?
  - First reporting: 09.02.2025?
- Are there foreseen another legislation acts, or technical guidelines under OD&HVD?

Governance

INSPIRE

Observations/Comparisons

- INSPIRE Committe
- INSPIRE MIG & MIT-T
- SK responsible authority: Ministry of environment of the Slovak republic

Questions

- Where and how the governance synergy between INSPIRE and OD&HVD will/shall take place on EU and national level?

OD&HVD

Observations/Comparisons

- Committee on open data and the re-use of public sector information
- SK responsible authority: Ministry of Investments, Regional Development and Informatization of the Slovak Republic
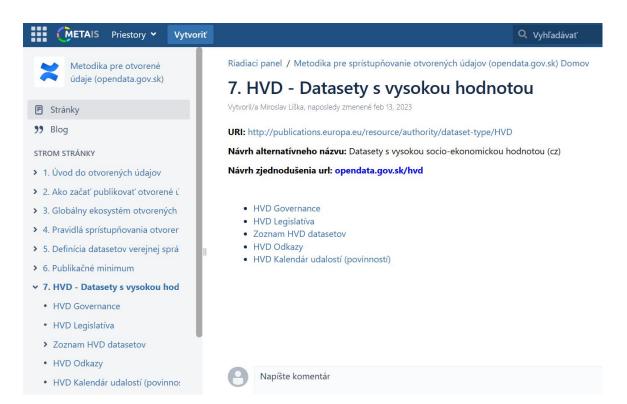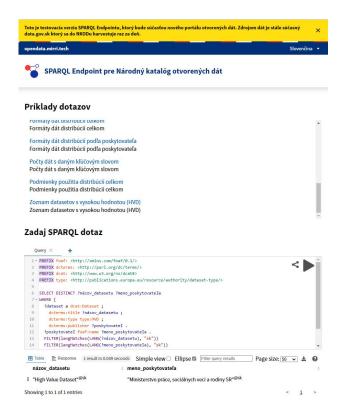
Questions

- Is it possible to get an overview of governance and contacts on OD&HVD structures across the MS as already available under INSPIRE in your country?

Governance

SK situation

- Initial coordination of responsible authorities
- Plans to invite other relevant stakeholders
- Plans to establish integration between SDI and OpenData metadata registers
- Support for HVD harvesting via developed new OpenData portal

Metadata

INSPIRE

Observations/Comparisons

- ISO MD profile + national extensions
- National profile extensions
- Harvesting national catalogues to EC Geoportal

Questions

- Will HVD impact INSPIRE metadata?
- What will be the MD elements and criteria to assign INSPIRE MD under HVD?
- Is it foreseen to establish common coordination, where and how "INSPIRE & HVD MD integration" shall take place?
- Is it foreseen to consider HVD requirements in INSPIRE validator?
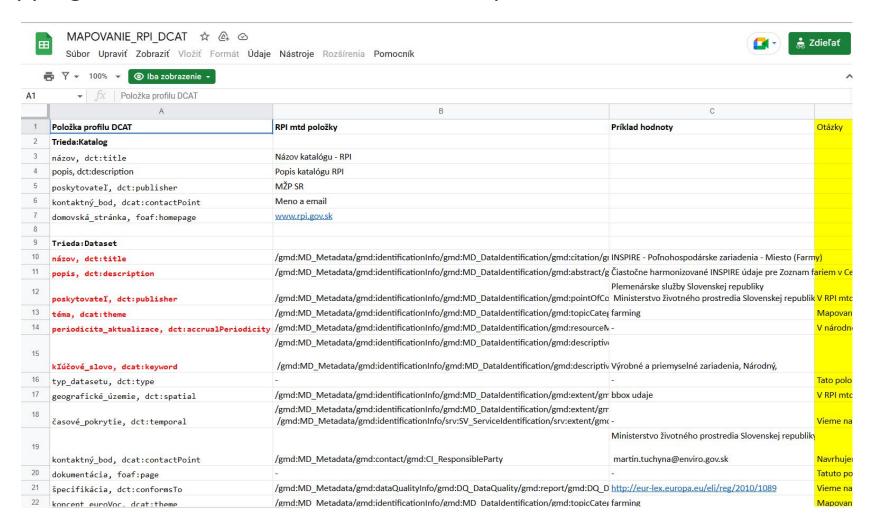- Is it foreseen also integrate under HVD also MD for series and MD for services?

OD&HVD

Observations/Comparisons

- DCAT profile
- Requirements for mapping
- Unclear metadata aggregation at Union level

Questions

- Is it foreseen to provide common INSPIRE & HVD metadata mapping?
- How and where will HVD metadata be aggregated on Union level?
- What are the HVD requirements for metadata update?
- Are there some expectations to validate HVD metadata?
- Only metadata for datasets are expected from HVD, or also for applications?
- How to cope with concept of Distributions, supported by OD&HVD metadata?

Metadata

Initial mapping from ISO/INSPIRE SK national MD profile to DCAT

Data

INSPIRE

Observations/Comparisons

- Narrower scope (34 themes)
- Higher model complexity
- UML & narrative data model description
- Unified model structure
- Direct and indirect spatial representation
- Availability data validation rules and tools
- Only latest available versions
- Encodings: GML, GeoJSON, GeoPackage

Questions

- Does yet unharmonised (AsIs) data falls under the HVD?
- Which encoding for Orthoimagery and Elevation data (TIFF, GPKG)?
- Are INSPIRE GPKG vector datasets acceptable also under OD&HVD?
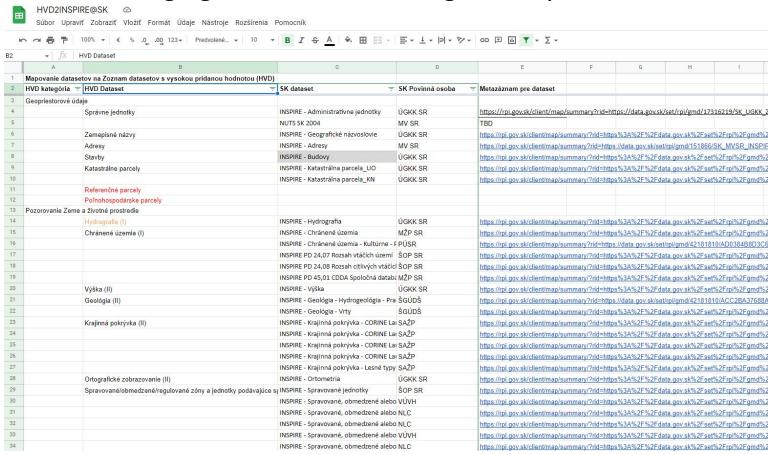
OD&HVD

Observations/Comparisons

- Wider scope (6 categories, ~ 68 datasets)
- Lighter data structure
- Tabular/narrative data model notation
- Heterogenous model structure
- It's unclear, if some HVD datasets comes with spatial representation
- Unclear situation about data validation
- Heterogenous update frequency and timeliness

Questions

- Encodings: Unclear, what exactly means Union or internationally recognised open, machine-readable format
- For environmental domain, is INSPIRE priority datasets mapping going to be applied?
- What about Copernicus data?

Data II

SK situation

- Initial mapping has been started, on dataset metadata level
- More challenging will be the level of geometry and attributes

Services/APIs

INSPIRE

Observations/Comparisons

- Spatial data / network services, mainly:
  - View (WMS, WMTS,)
  - Download (WFS, WCS, ATOM)
- Upcoming OGC APIs (Tiles, Features, Coverages..)
- QoS requirements
- Validation support

Questions

- What types of queries shall be supported by APIs?
- What are minimal requirements for API implementations and documentation?
- What will be the impact on INSPIRE MD simplification and linkages to Network services?

OD&HVD

Observations/Comparisons

- APIs
- Bulk download
- Unclear QoS requirements
- Unclear requirements for validation

Questions

- What will be the EC actions, aiming support consumptions of APIs on desktop, web client applications?
- What will be the requirements for APIs quality (e.g. type, performance…)
- What will be the requirements for management of the APIs and structure of the data provided?

Sharing/Licensing

INSPIRE

Observations/Comparisons

- Free and restricted sharing allowed
- CC-0, CC-BY supported licenses
- Only MD and View services are under free licence requirements

Questions

- If provider will restrict access to download because INSPIRE allows it, provides OD&HVD has higher legal "power" to enforce provision of the data?
- Is EC planning/willing to provide legal support with data provision enforcement?

OD&HVD

Observations/Comparisons

- Only free sharing allowed
- CC-0, CC-BY supported licenses
- Except public sector bodies exempted

Questions

- What will be the criteria and process to establish and maintain list of public sector bodies exempted in accordance with Article 14(5) of Directive (EU) 2019/1024?

Monitoring/Reporting

INSPIRE

Observations/Comparisons

- Annual period
  - 15.12. Harvest - Data
  - 01.03. Country Fiche - Report
- Automatic process
- Indicators for technical components
- Text info about Costs/Benefits

Questions

- Why metadata / data validation / processing is also executed after 15.12 period (e.g. SK last validations an indicator calculations in January 2023)?
- Why there is limited uptake of Costs/Benefits information from MS?
- Will HVD impact change of INSPIRE monitoring?

OD&HVD

Observations/Comparisons

- 2 years period (From 2025)
  - Report
- MS will provide report upon request of the Commission
-

Questions

- There will be no data under the OD&HVD monitoring/reporting? Just report?
- What is meant with "data protection impact assessment" ?
- Any plans to monitor and evaluate the benefits, use and impact of HVD?