



Harmonisation of Addresses from the Czech perspective (1)

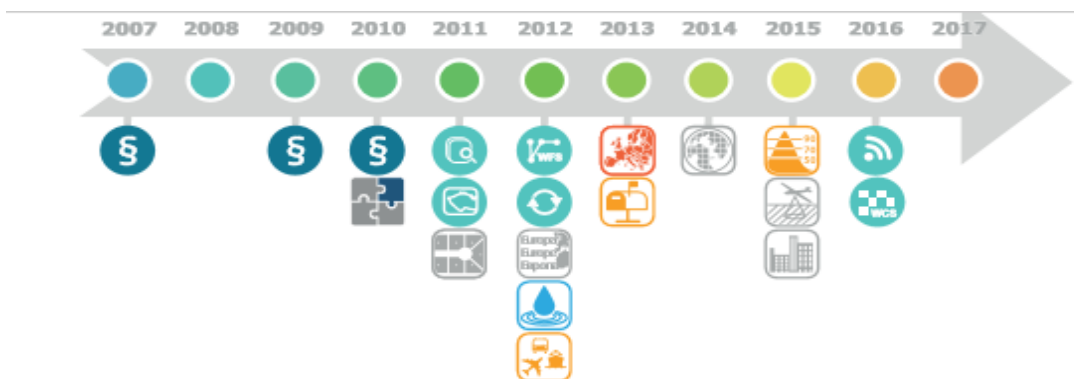
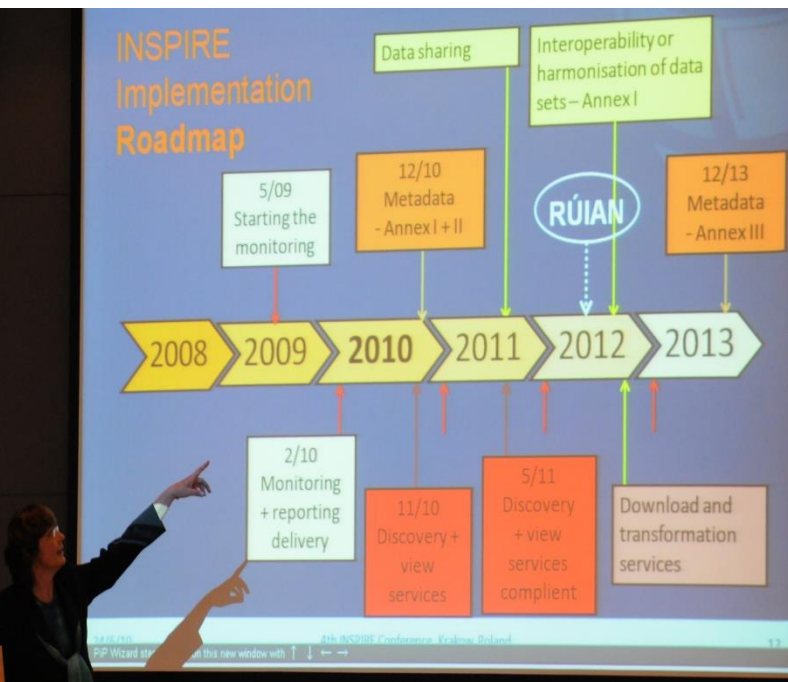
Eva Pauknerová



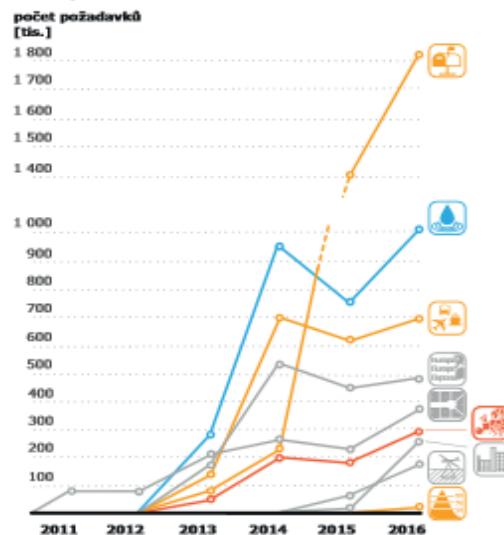
ČESKÝ ÚŘAD ZEMEMĚŘICKÝ A KATASTRÁLNÍ
CZECH OFFICE FOR SURVEYING, MAPPING AND CADASTRE
TSCHJECHISCHES AMT FÜR LANDESVERMESSUNG UND KATASTER

ÚZK story

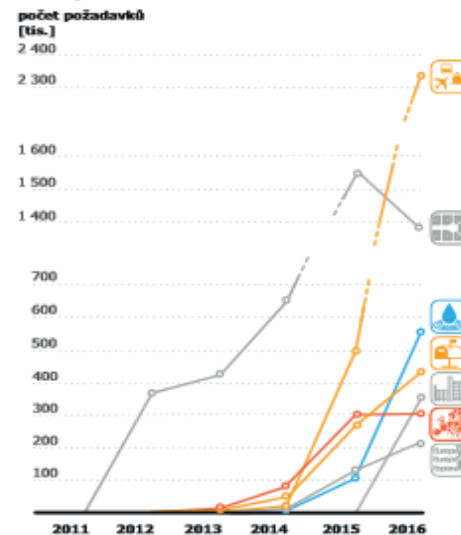
eGovernment and INSPIRE



Počet požadavků na WMS



Počet požadavků na WFS



Prohlížečské služby

WMS (Web Map Services) pro všechna data harmonizovaná podle INSPIRE specifikací.



Služby stahování dat

WFS (Web Feature Services) a WCS (Web Coverage Services) pro on-line stahování dat na základě prostorového výběru. Atom pro stahování dat v podobě předpřipravených souborů.

Czech Office for Surveying, Mapping and Cadastre

Key information sources:

- **ISKN** - Information System of the Cadastre of Real Estates
- **RUIAN** - the Base Registry of Territorial Identification, **Addresses** and Real Estates
- **ZABAGED** - the Fundamental Base of Geographic Data of the Czech Republic
- **CUZK Geoportal**
<http://geoportal.cuzk.cz>



CUZK perspective

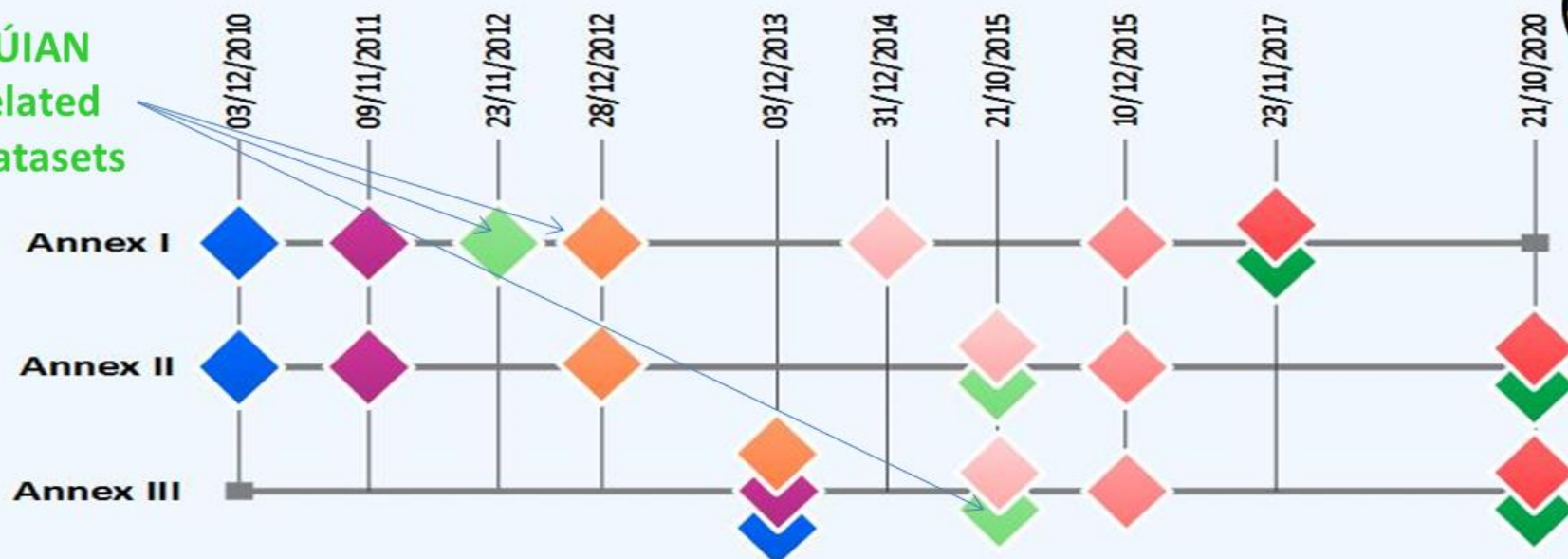
- CUZK (NMCA) maintains and provides **most of reference and base geospatial data** in the Czech Republic, both - administrative and topographic.
- CUZK is *NOT* a MS-CP for INSPIRE, but it plays a significant **role at the national coordination body** for INSPIRE implementation – **KOVIN**
- CUZK set up and administers the **Base Registry** of Territorial Identification, Addresses and Real Estates – **RUIAN**
 - its content up-dated in accord with the **O-O-P** by authorized editors daily; for eGovernment available 24/7
 - RUIAN accelerated the INSPIRE implementation already in 2010,
 - bridging RUIAN and INSPIRE illustrates potential and limits of INSPIRE for eGovernment.
- As a member of **EuroGeographics** (EG), CUZK participated in European projects as the **European Location Framework** and **OELS**; it contributes to various EG Products as ERM, EGM, EGN, CRD etc.
- The ELF and OELS projects, esp. the **CZ-PL regional pilots** helped detecting several **cross-border data harmonisation** issues and invoked various follow-up actions.



INSPIRE Implementation Roadmap



RÚIAN
related
datasets



Discovery metadata shall be available for spatial data sets and services



Spatial data sets shall be available for **discovery and view** from the INSPIRE geo-portal (data does not yet need to be conformant to IR-ISDSS)



Spatial data sets shall be available for **download and transformation** (whenever applicable¹) from the INSPIRE geo-portal (data does not yet need to be conformant to IR-ISDSS²)



Newly collected and extensively restructured spatial data sets shall be conformant to IR-ISDSS (incl. **metadata for interoperability**) and available through network services



All spatial data sets shall be conformant to IR-ISDSS (incl. **metadata for interoperability**) and available through network services



Invocable spatial data services related to newly collected and extensively restructured spatial data sets shall be conformant to Annexes V, VI and (where practicable) VII of IR-ISDSS (incl. **metadata**)



All invocable spatial data services shall be conformant to **Annex V** of IR-ISDSS (incl. **metadata**)



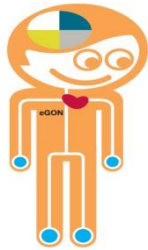
All invocable spatial data services shall be conformant to **Annexes VI and (where practicable) VII** of IR-ISDSS (incl. **metadata**)

IR-ISDSS = Implementing Rules on interoperability of spatial data sets and services (Commission Regulation (EU) No. 1089/2010), including its amendments Regulations (EU) No. 102/2011, 1253/2013 and 1312/2014

¹ Transformation Services only need to be provided if data sets are not made conformant with the IR-ISDSS by some other means (see Art. 7(3) of the INSPIRE Directive)

² With the exception of newly collected and extensively restructured Annex I data sets, which already have to be compliant with the IR-ISDSS by 23/11/2012

Goals: Data collected only once, maintained most effectively, combined seamless, shared across different levels , readily and transparently available, easy to find and re-use ...



Feasible ?

Cooperation !

RUIAN editors:

CUZK = RUIAN
Administrator

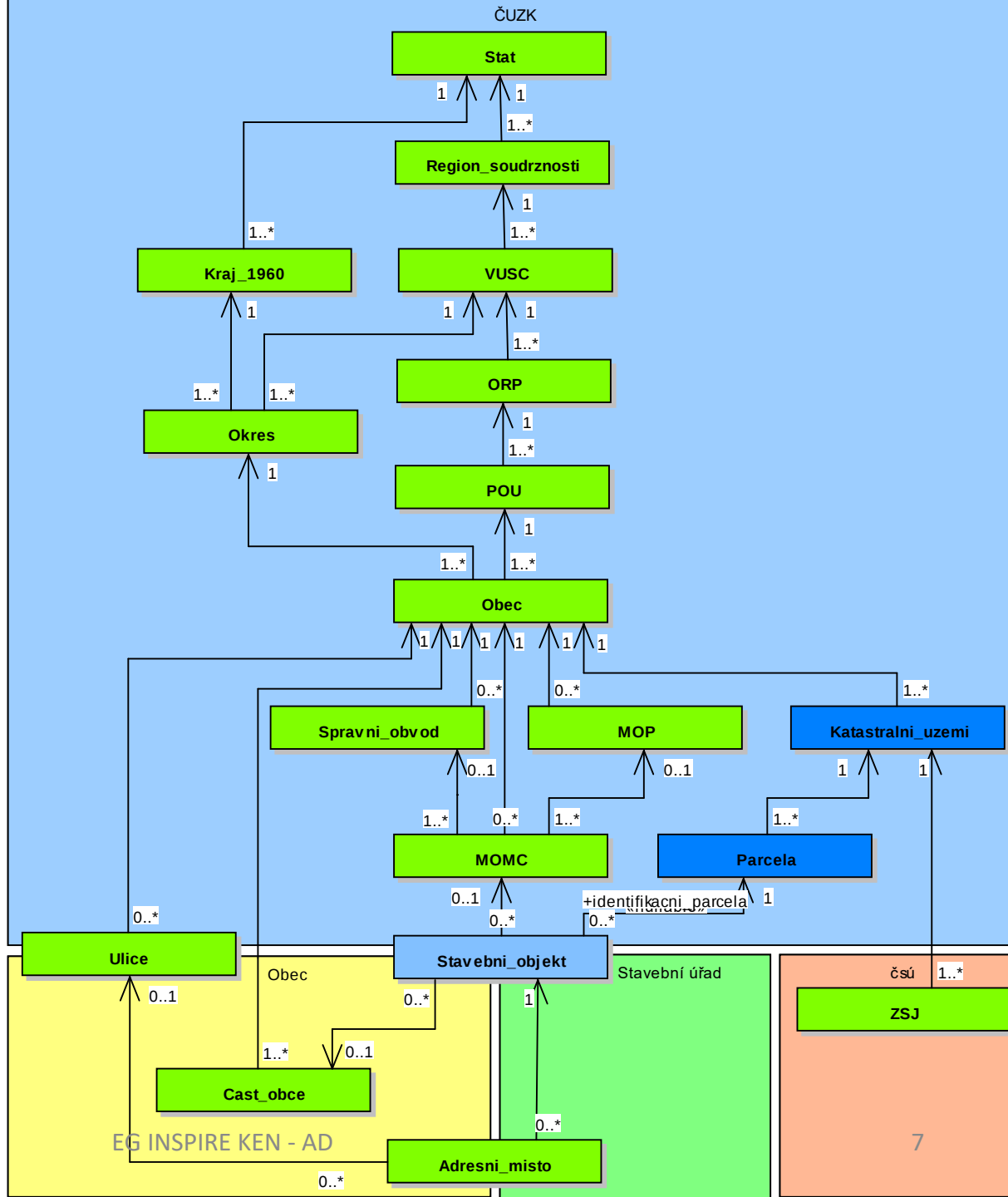
Municipal offices

Building authorities
- local
- specialised

Czech Statistical
Office

= nearly **8000** public
authorities involved

6.5. 2021

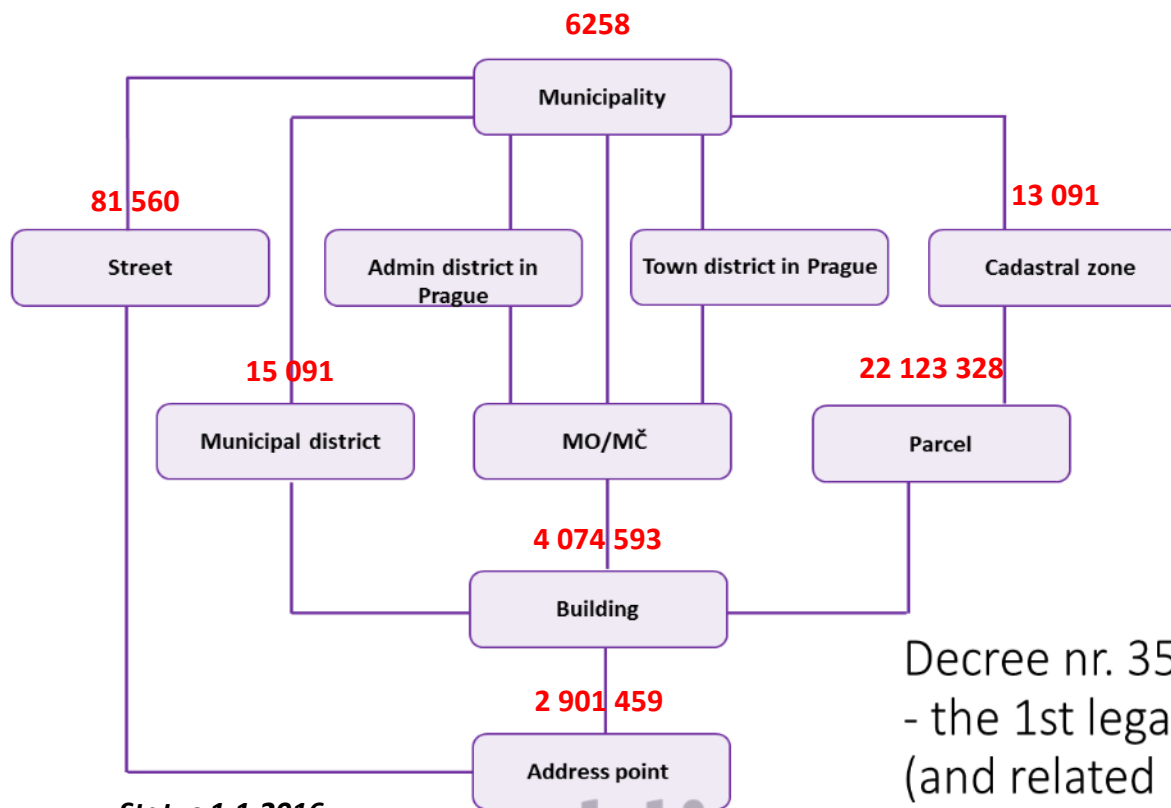




RUIAN data content

Case ADDRESSES

Decree nr. 359/111 on RUIAN Base Register
- the 1st legal rule for specifying addresses
(and related roles)



Eliščino nábřeží 375/1
Věkoše
50003 Hradec Králové

INSPIRE Data provision



You are here: INSPIRE / INSPIRE themes

INSPIRE themes

The Czech Office for Surveying Mapping and Cadastre (COSMC) maintains spatial data sets according to Act No.344/1992 Coll. – on Cadastre - and Act No.200/1994 Coll. – on Land Surveying. The Act on Land Surveying has been revised by the amendment of the Act on Free Access to Data on Environment so that it specifies spatial data sets provided for the national infrastructure for spatial information:

- state base map series for public use,
- geodetic data about provisions of fundamental geodetic control,
- databases,
- orthophotographic imagery of the entire territory of the Republic,
- database set of geographical names.

The aim is to provide spatial data sets (geodata) according to data specification laid down by the INSPIRE implementation rule for harmonization and interoperability defined by the Directive and supplemented by the „guideline“ documents as a recommendation for implementation. In this data model the data will be provided at the latest 6 months after their updating in the source data base, but presumably more often will provide Vector data will be used for the implementation only.

Last update: 27.6.2017
Last revision: 05.01.2018
Author: 95

- Coordinate Reference Systems
- Geographical Grid Systems
- Geographical Names
- Administrative Units
- Addresses
- Cadastral Parcels
- Transport Networks
- Hydrography
- Elevation
- Land Cover
- Land Use
- Orthoimagery
- Buildings

Geoportál ČÚZK
Access to map products and services

Welcome Applications Data sets Network services INSPIRE

INSPIRE

You are here: Network services / Download services / Download Services for Harmonized Data of INSPIRE Sets

Download Services for Harmonized Data of INSPIRE Sets – Introduction:

Download Services for on-line access to harmonized INSPIRE data sets are published according to the standard OGC WFS 2.0.0 and they enable download individual INSPIRE data themes harmonized according to the Directive 1089/2010/EC, in GML 3.2.1 format.

The services fulfil technical guidelines for INSPIRE download services version 3.1.

The services for themes CP, AD, AU are provided **free-of-charge** and **without a need of registration** for all types of user applications. The services for themes GN, HY, TN are **charged**, access can be ordered using **e-shop**.

Examples of applications for exploitation of the services are listed [here](#).

List of WFS services:

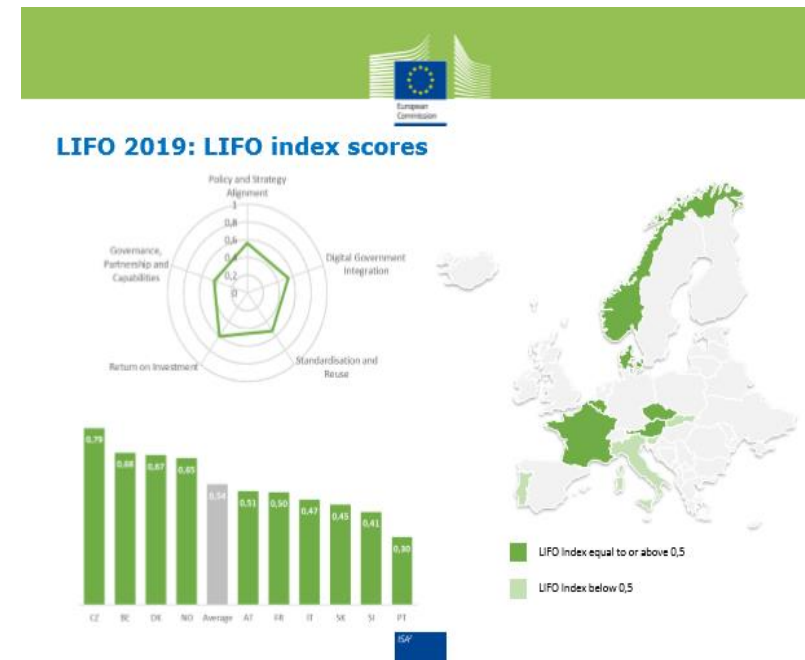
- Download Services for INSPIRE theme Cadastral parcels (CP)
<http://services.cuzk.cz/wfs/inspire-cp-wfs.aspx?>
- Download Services for INSPIRE theme Addresses (AD)
<http://services.cuzk.cz/wfs/inspire-ad-wfs.aspx?>
- Download Services for INSPIRE theme Administrative Units (AU)
<http://services.cuzk.cz/wfs/inspire-au-wfs.aspx?>
- INSPIRE download service for the theme Geographical Names (GN)
<http://geoportal-mapswfs.cuzk.cz/WFS/INSPIRE:GN/WFS-Service.aspx?>
- INSPIRE download service for the theme Transport Networks-AIR (TN_AIR)
http://geoportal-mapswfs.cuzk.cz/WFS/INSPIRE:TN_AIR/WFS-Service.aspx?
- INSPIRE download service for the theme Transport Networks-CABLE (TN_CABLE)
http://geoportal-mapswfs.cuzk.cz/WFS/INSPIRE:TN_CABLE/WFS-Service.aspx?
- INSPIRE download service for the theme Transport Networks-RAIL (TN_RAIL)
http://geoportal-mapswfs.cuzk.cz/WFS/INSPIRE:TN_RAIL/WFS-Service.aspx?
- INSPIRE download service for the theme Transport Networks-ROAD (TN_ROAD)
http://geoportal-mapswfs.cuzk.cz/WFS/INSPIRE:TN_ROAD/WFS-Service.aspx?
- INSPIRE download service for the theme Transport Networks-WATER (TN_WATER)
http://geoportal-mapswfs.cuzk.cz/WFS/INSPIRE:TN_WATER/WFS-Service.aspx?
- INSPIRE download service for the theme Hydrography - physical waters (HY_P)
http://geoportal-mapswfs.cuzk.cz/WFS/INSPIRE:HY_P/WFS-Service.aspx?
- INSPIRE download service for the theme Hydrography - net (HY_NET)
http://geoportal-mapswfs.cuzk.cz/WFS/INSPIRE:HY_NET/WFS-Service.aspx?
- INSPIRE download service for the theme Elevation-TIN (EL_TIN)
http://geoportal.cuzk.cz/WFS/INSPIRE:EL_TIN/WFS-Service.aspx?
- Download Services for INSPIRE theme Buildings (BU)
<http://services.cuzk.cz/wfs/inspire-bu-wfs.aspx?>

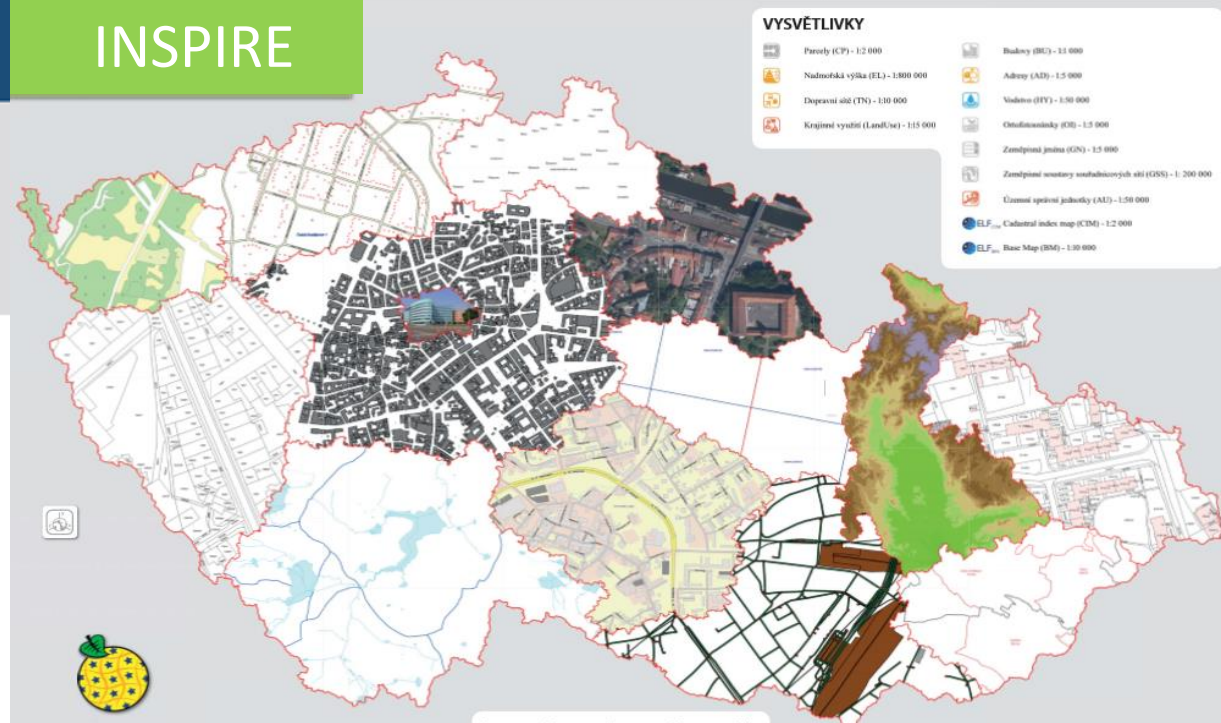
Last update: 05.1.2018
Last revision: 16.12.2018
Author: 95

- Download Services for INSPIRE theme Cadastral Parcels (CP)
- Download Services for INSPIRE theme Addresses (AD)
- Download Services for INSPIRE theme Administrative Units (AU)
- Download Services for INSPIRE theme Buildings (BU)
- Download Services for INSPIRE theme Geographical Names (GN)
- INSPIRE download service for the theme Hydrography - physical waters (HY_P)
- INSPIRE download service for the theme Hydrography - net (HY_NET)
- INSPIRE download service for the theme Transport Networks-AIR (TN_AIR)
- INSPIRE download service for the theme Transport Networks-CABLE (TN_CABLE)
- INSPIRE download service for the theme Transport Networks-RAIL (TN_RAIL)
- INSPIRE download service for the theme Transport Networks-ROAD (TN_ROAD)
- INSPIRE download service for the theme Transport Networks-WATER (TN_WATER)
- INSPIRE download service for the theme Elevation-TIN (EL_TIN)

[illegible]

- Czech approach and results rated high at the Pilot Location Interoperability Observatory (LIFO) in 2019



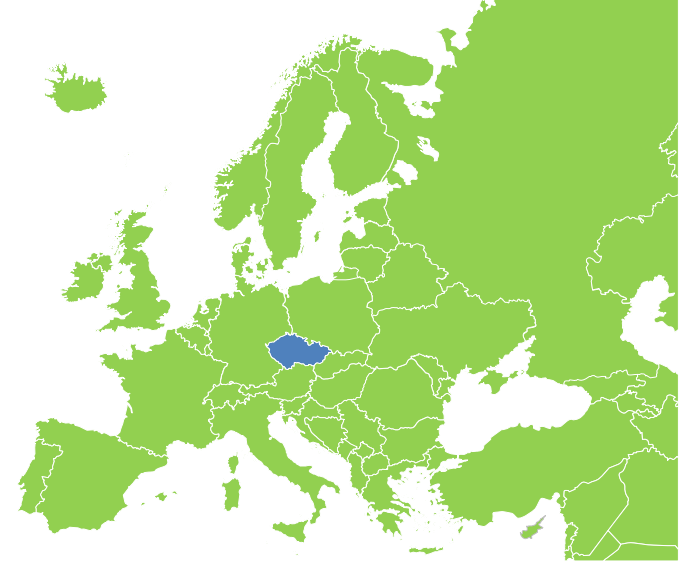


Harmonisation of Addresses from the Czech perspective (2)

Veronika Kůsová



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Thanks for your attention
Questions ?

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Veronika.Kusova@cuzk.cz

<http://geoportal.cuzk.cz>



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