

GSDI Small Grant Final Report **Prepared by Petr Kubicek and Bronislava Horakova**

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The main outcome of the grant is the document "Czech INSPIRE - scope and implementation ". The document reflects the changes in the INSPIRE project development which had taken place within August 2004 and August 2005, namely the "INSPIRE - work programme Preparatory Phase 2005 – 2006" published in the early 2005, "Call for Expression of Interest for INSPIRE development (preparatory phase 2005 - 2006)", and finally the Political agreement "Proposal for a Directive of the European Parliament and of the Council establishing an infrastructure for spatial information in the Community (INSPIRE)" published in June 2005. The above mentioned official documents as well as ongoing development of the proposal material and many amendments have caused a little diversion in the structure of the prepared Czech material.

CZ – INSPIRE framework is due to this situation more focused on the building from bottom up in close cooperation with national public administration and geospatial community represented by CAGI member. Strong point which is not included in other official material on the national level is the field of metadata.

Metadata development in the Czech Republic has a long tradition. MIDAS metadata catalogue for public administration data sets started in 2000 and is fully operational up to now. This system respects the original CEN ENV 12657 standard which has created the common ground for the national metadata standard for structure and exchange of public administration information sources. The above mentioned standard is still valid and guaranteed by the Ministry of Informatics. More than 3500 data sets from over 250 public and private bodies have been registered to MIDAS in the last five years.

Ongoing activities on the European level and CEN development have given a new momentum for the transposition of MIDAS towards ISO 19115 standards. The new proposed system should also include already existing metadata systems and facilitate the development, maintenance, search, and free exchange of metadata as well as play the role of universal "MetaPortal" entry point.

The development of this system is in the phase of prototyping and is based on open source solutions (GeoNetwork for metadata services, CatMDEdit for metadata authoring tool - see pictures). One of the main goals is the loss less conversion of metadata entries between MIDAS and MetaPortal.

The document "Czech INSPIRE - scope and implementation" comprises of the following chapters:

- INSPIRE state-of-the-art and overall characteristics
- Proposed framework of CZ-INSPIRE
 - Architecture
 - The role of Geoportals
 - Metainformation systems
 - Information and Data Services
 - Standards
 - Reference data
 - Data for Environmental Policies
- Coordination and control of CZ-INSPIRE
- Subprojects and its coordination
- Possible financing and further cooperation

Czech Association for Geoinformation (CAGI) in co-operation with NEMOFORUM (a national platform for discussion co-operation and co-ordination of activities related to land- and real estate information, <http://www.cuzk.cz>) is preparing an extension of CZ-INSPIRE project based on

SDIC (Spatial Data Interest Communities) ideas and focused on the MetaPortal, core topographic data (following the national level of Eurspecs project) and INPSIRE state of the art information kiosk. The main obstacle for further development is the absence of the technical pre-specification of INSPIRE standards and technology.

CAGI instantly plays an important role in awareness rising and public activities like:

- Organization of the content “Geoapplication of the Year”
- Active participation of national as well as cross-border conferences dealing with the GSDI/ESDI/NSDI issues (list of relevant presentation – see below).
- Organization of “Geoinformatics in the Public Administration” and “GIS Ostrava” Conferences.

Several other activities took place in the Czech Republic in the last 12 month induced both by government and CAGI in cooperation with NEMOFORUM. The Portal of the Public Administration (PPA), administered by the Ministry of Informatics, is the electronic gateway for the public to administration and government services in the Czech Republic. The aim of this portal is to help citizens in finding information and communicating with public administrative authorities. The Portal is being built gradually, and map services have been implemented in cooperation with the Ministry of Environment and Czech Environmental Information Agency (CENIA, www.cenia.cz) which is responsible for the INSPIRE directive implementation in environmental policies. MetaPortal is intended as a part of PPA because both systems are based on web services technology

Czech office for surveying, mapping and cadastre (COSMC, <http://www.cuzk.cz>) decided to implement web map services for distribution of the base topographic data sets and offer the full range of both digital and analog data via on-line shop. The mentioned COSMC Geoportal (<http://geoportal.cuzk.cz>) can be considered pre-Inspire ideas implementation because of its free access for the state administration and Open Geospatial Consortium standard compliancy.

Presentations of the project activities and outcomes:

- ISSS – Internet in the state administration (<http://www.issc.cz/>, Hradec Kralove):
 - Kubicek: *INSPIRE and Metadata for Public Administration* (in Czech)
- 4th Saxonian GISstrategy-FORUM, the GI2005-Symposium, held May 12-13th in Dresden:
 - Kubicek: *The Czech Way to INSPIRE - Geodata online*
- INSPIRE and e-Gov. Prague Workshop, April 2005, organized by JRC and Ministry of Informatics CZ:
 - Kubicek, Horakova, Hiess: *Country report (in co-operation with the Ministry of Informatics and CENIA)*
- Workshop for INPSIRE geodata owners and users in the Czech Republic, (special seminar organized by CENIA as a part of the Geoinformatics in the Public Administration Conference, Brno, June 8-7 2005, <http://www.gis-cagi.cz>):
 - Kubicek: *INSPIRE – state-of- the- art* (in Czech).
- Geoinformatics in the Public Administration Conference, Brno, June 2005 (<http://www.giscagi.cz>):
 - Horakova, Ruzicka, Stromsky: *GeoMeta Portal - the Gate into the World of Geoinformation*
- 11th EC-GIS Workshop Sardinia, July 2005:
 - Horak, Horakova, Kubicek: *The Geoinformation Infrastructure in the Czech Republic - the Key Role of Metadata*

Metaportál České Republiky

GeoNetwork OpenSource

CZECH
ENGLISH
FRANÇAIS

HLEDAT



Nalézt interaktivní mapy, datové sady (pro GIS), družicové snímky a příbuzné aplikace

Volný text	<input type="text"/>	[Rozšířené hledání]
Stát/Region	je <input type="text"/> - Bez rozlišení - <input type="text"/>	[Další databáze]
Typ dat	Digitální data <input type="text"/>	

HLEDAT VYMAZAT



Featured map

Důvod vzniku Metaportálu ČR je:

- Zlepšit přístup k datům a informacím
- Podporovat správné rozhodování
- Propojit metainformační systémy v české republice
- Propagovat využívání geografických informací

Metaportál ČR je postaven na GeoNetwork OpenSource a umožňuje snadné sdílení geografických informací mezi organizacemi.

Pro další informace kontaktujte správce systému: jan.ruzicka@vsb.cz nebo nám zašlete [komentář](#)

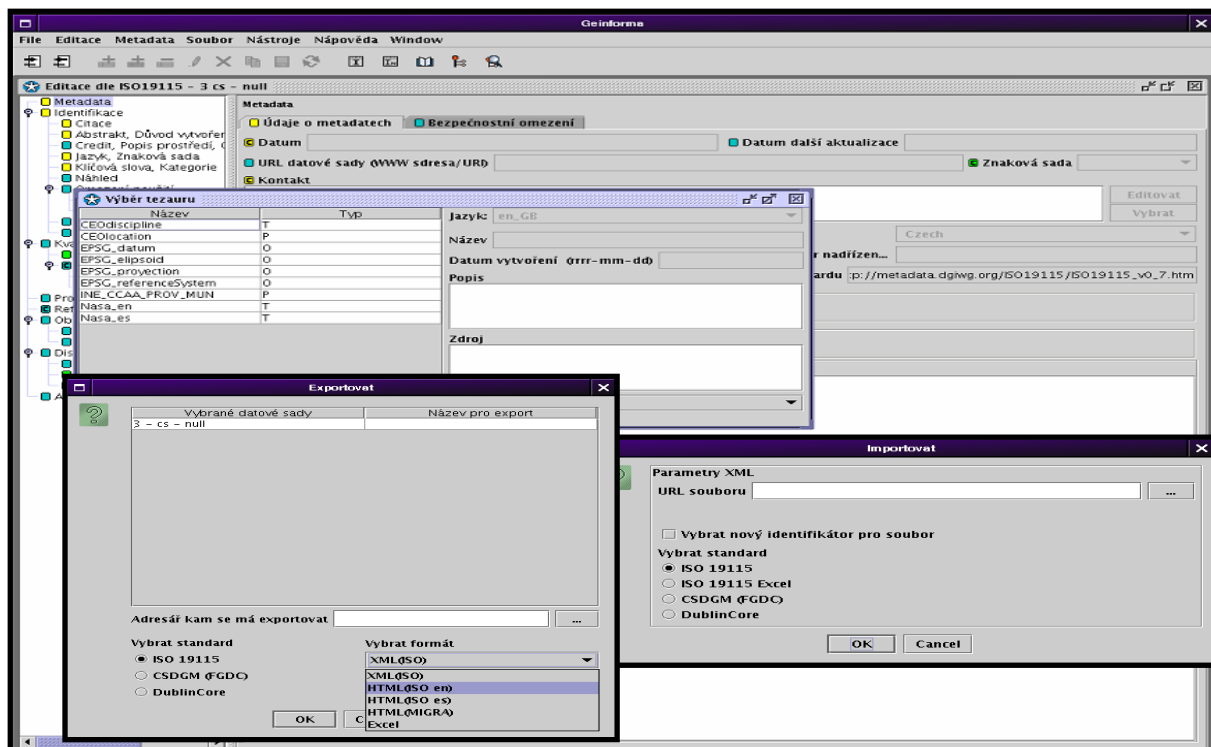
Informace o interaktivních mapách

Interaktivní mapy můžete vyhledat pomocí metaportálu GeoNetwork nebo s přímo napojit na přednastavený mapová serverr.

Podporované mapové servery jsou [OpenGISÁŽ Consortium](#) compliant WMS Map Servers a [ESRIÁŽ](#) ArcIMS Map Servers.

Powered by [GeoNetwork OpenSource version 1.2.1](#)

The prototype of GeoMetaportal services with a GUI based on GeoNetwork OpenSource Software and developed by CAGI/VSb team.



Off-line metadata editor developed by CAGI/VSb team. Editor is both ISO and FGDC metadata standards compliant.