GeoInfoStrategy

The Strategy of the Development of the National Infrastructure for Spatial Information in the Czech Republic up to 2020

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GeoInfoStrategy Framework

- Under Czech Government Resolution No. 837 dated November the 14th, 2012
- As an integral part of Czech eGovernment whose basic priorities are
  - **Documents only have to circulate, not the Citizens.**
  - **Linked data resources for efficient providing public administration services.**
- In close connection with document of Strategic Framework of Public Administration and eGovernment Development 2014+
- INSPIRE is our main inspiration
GeoInfoStrategy Project Participants

- Open and transparent project
- Cooperation of public, academic and private sphere
- GeoInfoStrategy has been worked out
  - in close cooperation of
    - Ministry of Interior (MoI)
    - Czech Office for Surveying, Mapping and Cadastre (COSMC)
    - Ministry of Defence (MoD)
    - Ministry of Environment (MoE → CENIA)
    - Ministry of Local Development (MoLD)
    - Ministry of Transportation (MoT)
    - Ministry of Finance (MoF)
  - under MoI coordination
  - in cooperation of
    - all another central state administration bodies
    - all regions and cities
GeoInfoStrategy Project Progress

Analytical Part
- **January – June 2013**
  - Reviewing existing EU and national sources and documentation
  - Identifying new ideas

Design Part I
- **July – December 2013**
  - Drafting the vision and goals, but trouble with arrangements
  - Decision on content change (Strategic Framework + Action Plan)
  - Changing the completion date to the end of September 2014

Design Part II
- **January – September 2014**
  - Elaboration of material in a new concept
  - Submit GeoInfoStrategy (the scope of strategic framework) to the Government
GeoInfoStrategy New Concept

GeoInfoStrategy

- Bases
- Vision and Objectives
- **Key Topics** (description of proposed solution)

Action Plan

- Implementing document containing specific measures to GeoInfoStrategy objectives
GeoInfoStrategy Content

1. Introduction
2. Description of the current state
3. Main problems of the current state
4. Vision and Objectives
5. Key Topics
6. Benefits and Risks
7. GeoInfoStrategy Implementation
8. Conclusions
9. Glossary of Terms
10. List of Abbreviations
11. Appendices
   1. Description of the current state main problems
   2. Fictional examples of the spatial information use
   3. Project Progress Description
Main Problems of Current State

- lack of
  - coordination of public administration authorities’ activities
  - legislation
  - coherent concept of spatial data handling
  - spatial data and services standards
- absence of certain spatial data with high level of detail
- absence of necessary guaranteed spatial data for use in the public administration agendas and services
- underestimation of the importance of human resources and training in the field of spatial information
- insufficient utilization of the economic potential of spatial data
Our Vision and Global Objective

Vision:

„The Year 2020: The Czech Republic is a knowledge-based society efficiently using spatial information.“

Global Objective:

„We want to create the conditions for effective and efficient use of spatial information in society and to build guaranteed public services.“
Strategic Objective No. 1

1. Providing guaranteed public administration services for management and effective use of spatial information for public administration and the whole society.

Specific Goals

- Prepare public administration services to support life situations using information society services in the field of spatial information.
- Specify the necessary information society services in the field of spatial information to ensure public administration services.
- Prepare the conditions for public administration services and information society services in the field of spatial information to support the development of innovative services and value-added products produced by third parties.
Strategic Objective No. 2

2.  Building a national infrastructure for creating, managing and linking data resources of public administration spatial information

Specific Goals

– Define the architecture and technical regulation for the functioning of National Infrastructure for Spatial Information
– Establish the National Integration Platform for Spatial Information to integrate information systems of spatial information
– Establish the National Geoportal as a single point of access to spatial information and services
– Interconnect Public Administration Portal services to related spatial information services
– Ensure publication of selected spatial data sets as open data
3. Improvement and further development of the data resources of spatial data for their use of the public administration and society

Specific Goals

- Ensure further development of public administration information systems consist of spatial information
- Analyze public administration requirements on spatial information
- Create the National Set of Spatial Objects
  - selected objects with guaranteed
    - standards of data quality and data flows
    - processes of data content management
    - providing data services
Strategic Objective No. 4

4. Coordination and development of institutional arrangements of spatial information and conditions for their management and use

Specific Goals

− Prepare a new regulatory framework for spatial information
− Create governmental coordination and management body for spatial information
− Standardize the content and method of public administration spatial objects describing and to harmonize their definitions and the definition in the legislation
− Stabilization and development of human resources and training in the field of spatial information
− Ensure coordination and quality of research, development and innovation in the field of spatial information
Key Topics

1. Changing regulatory framework
2. Coordination of spatial information field
3. National Integration Platform for Spatial Information
4. National Set of Spatial Objects
5. National Geoportal
6. Spatial Information Services in Public Administration
7. Publishing open spatial data and open spatial services
8. Using spatial information and services by third parties
9. Human resources and training in spatial information field
10. Fulfillment of international obligations and international interoperability in spatial information field
GeoInfoStrategy Approval

- Government Resolution No. 815, October the 8th, 2014
  I. approved GeoInfoStrategy
  II. ordered to
    1. Minister of Interior to prepare in cooperation with chairman of COMSC, ministers of defence, environment, transportation, agriculture, 1st deputy prime minister for research and education and ministers of finance and local development
      a) Action Plan draft by 30th June, 2015
      b) updated GeoInfoStrategy draft for years 2020+ by the 3th December 2021
    2. Minister of Interior to ensure GeoInfoStrategy implementation funding for 2015 and 2016
Action Plan Draft

- Control document of the GeoInfoStrategy implementation
- Worked out in the same mode as GeoInfoStrategy
- Result from outputs of working groups, namely for
  - National Set of Spatial Objects
  - Global Architecture and Technical Solutions
  - Legislation and Public Administration Services
  - Standards and Terminology
  - Human Resources, Education, Research, Development and Innovation in the field of spatial information
  - Competitiveness in the field of spatial information
- Ready for submission to Government
Content of Action Plan Draft

1. Basic Information
2. Work Breakdown Structure and Time Schedule
3. Management Practices and Organizational Structure
4. Budget and Sources of Funding
5. Set of Indicators
7. Risks and Risk Management Procedures
5. Monitoring and Evaluating of Implementation
6. Communication Plan
7. Glossary of Terms
8. List of Abbreviations
9. Appendices (4) – Measures, Schedule, Indicators, Projects
Description of Measures and Projects

- **Set of Measures**
  - cca 72 measures described in fixed structure
    - Description
    - Binding on objectives and key topics
    - Responsible public administration body
    - Start and end time
    - Demands for financial and non-financial resources
    - Sources of funding
    - Risks
    - ..
  - **INSPIRE implementation is included**

- **Set of Projects**
  - Public administration bodies projects linked to GeoInfoStrategy
  - Basis for future National Catalog of Projects in spatial information
Implementation Phases

- 4 phases

1. Analytical
   - Detailed analysis of current legislation, life situations, public administration needs, …

2. Design
   - Supporting part of the Action Plan
   - Preparation of changes in legislation, responsibilities, funding
   - Design of the National Set of Spatial Objects, National Integrating Platform, National Geoportal

3. Action
   - Development of the National Set of Spatial Objects components, …

4. Operational
   - Routine running of processes and systems developed in the previous phases
Implementation Schedule

preparation

Action Plan

Analysis

Design

Realization of 1st phase

1st phase

2nd phase

3rd phase

implementation

Realization of 2nd phase

Preparation of New Legal Framework

New Legal Framework

7/2015

12/2020
Management and Organizational Structure

- Government Council for Information Society
- Working Group for Spatial Information
- Steering Committee
- Expert Groups
- Executive Team
- Implementation Team 1
- Implementation Team 2
- Implementation Team 3
- Implementation Team 4
Budget and Sources of Funding

- MoI is ready to ensure implementation funding for 2015 and 2016
  - 15 mil. Kč in 2015
  - 80 mil. Kč in 2016
- Implementation costs in next stages will be output of analysis and feasibility studies
- Sources of Funding
  - State budget
  - European Structural and Investment Funds
Risks

- Key risks
  - Political risk
  - Ineffective coordination and management
  - Delays in preparation of new legal framework
  - Public procurement process
  - Unsuitably set implementation plan
  - Lack of qualified staff
Monitoring and Evaluating

- Regular process beginning in 2016
- Ongoing evaluation of GeoInfoStrategy implementation every two years
- Opportunity and ability to update the Action Plan
- Final Summary Report in 2021
- Both interim reports and summary report will be submitted to Government
Conclusions

GeoInfoStrategy

• has **broad support** of central government bodies, public administration bodies, commercial sector, academic sphere, professional associations

• is understood as **integral component of Czech eGovernment**
Thanks for your attention

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