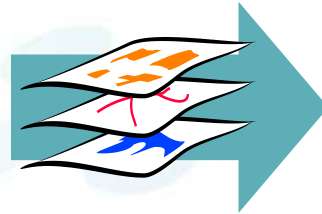




MINISTRY OF THE INTERIOR  
OF THE CZECH REPUBLIC



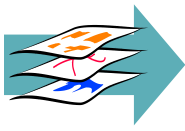
# GeoInfoStrategy



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

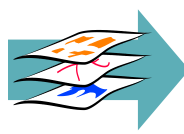
Eva Kubátová

Ministry of the Interior of the Czech Republic, eGovernment Department



# Contents

- Basic facts on GeoInfoStrategy Project
  - GeoInfoStrategy Framework
  - Project Participants
  - Project Progress
- GeoInfoStrategy
  - Vision and Objectives
  - Key topics
  - GeoInfoStrategy Approval
- Action Plan Draft
  - Basic information
  - Measures and projects
  - Implementation schedule
  - Management and organizational structure
  - Budget and source of funding
  - Risks
  - Monitoring and evaluation
- Conclusions



# GeoInfoStrategy Framework

- Under Czech Government Resolution No. 837 dated November the 14<sup>th</sup>, 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

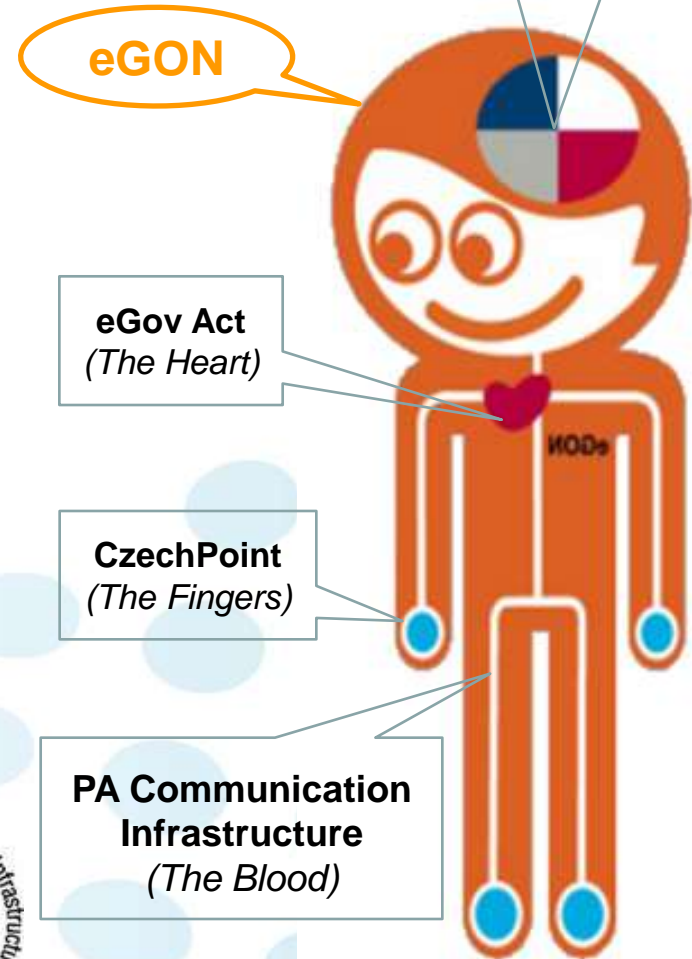
eGON

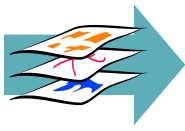
Central PA  
Basic Registers  
(The Brain)

eGov Act  
(The Heart)

CzechPoint  
(The Fingers)

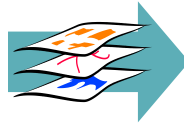
PA Communication  
Infrastructure  
(The Blood)





# 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

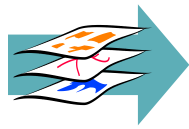
- **January – June 2013**
- Reviewing existing EU and national sources and documentation
- Identifying new ideas

## 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

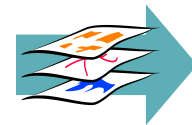
## GeoInfoStrategy

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



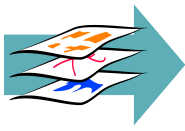
## Action Plan

- Implementing document containing specific measures to GeoInfoStrategy objectives



# GeoInfoStrategy Content

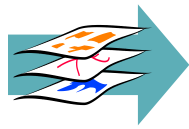
1. Introduction
2. Description of the current state
3. Main problems of the current state
4. Vision and Objectives
5. Key Topics
6. Benefits and Risks
7. GeoInfoStrategy Implementation
8. Conclusions
9. Glossary of Terms
10. List of Abbreviations
11. Appendices
  1. Description of the current state main 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





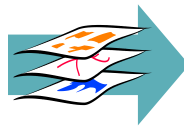
# Our Vision and Global Objective

## **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.“

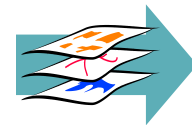


# Strategic Objective No. 1

- 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.

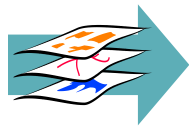


## Strategic Objective No. 2

### 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

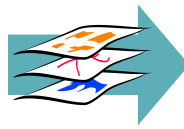


## Strategic Objective No. 3

### 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

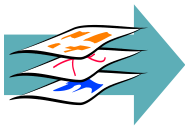


## Strategic Objective No. 4

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

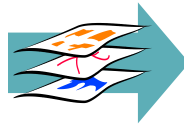
#### Specific Goals

- 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

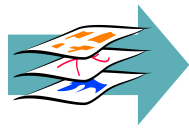
1. Changing regulatory framework
2. Coordination of spatial information field
3. National Integration Platform for Spatial Information
4. National Set of Spatial Objects
5. National Geoportal
6. Spatial Information Services in Public Administration
7. Publishing open spatial data and open spatial services
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



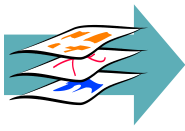
- Government Resolution No. 815, October the 8<sup>th</sup>, 2014
  - I. approved GeoInfoStrategy
  - II. ordered to
    1. Minister of Interior to prepare in cooperation with chairman of COMSC, ministers of defence, environment, transportation, agriculture, 1st deputy prime minister for research and education and ministers of finance and local defelopment
      - 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

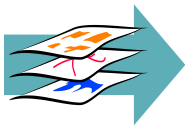
- Control document of the GeoInfoStrategy implementation
- Worked out in the same mode as GeoInfoStrategy
- Result from outputs of working groups, namely for
  - National Set of Spatial Objects
  - Global Architecture and Technical Solutions
  - Legislation and Public Administration Services
  - Standards 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





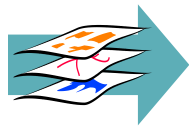
# Content of Action Plan Draft

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
6. Benefits of GeoInfoStrategy Implementation
4. 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



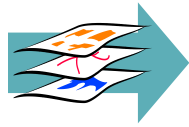
# Description of Measures and Projects

- Set of Measures
  - cca 72 measures described in fixed structure
    - Description
    - Binding on objectives an 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

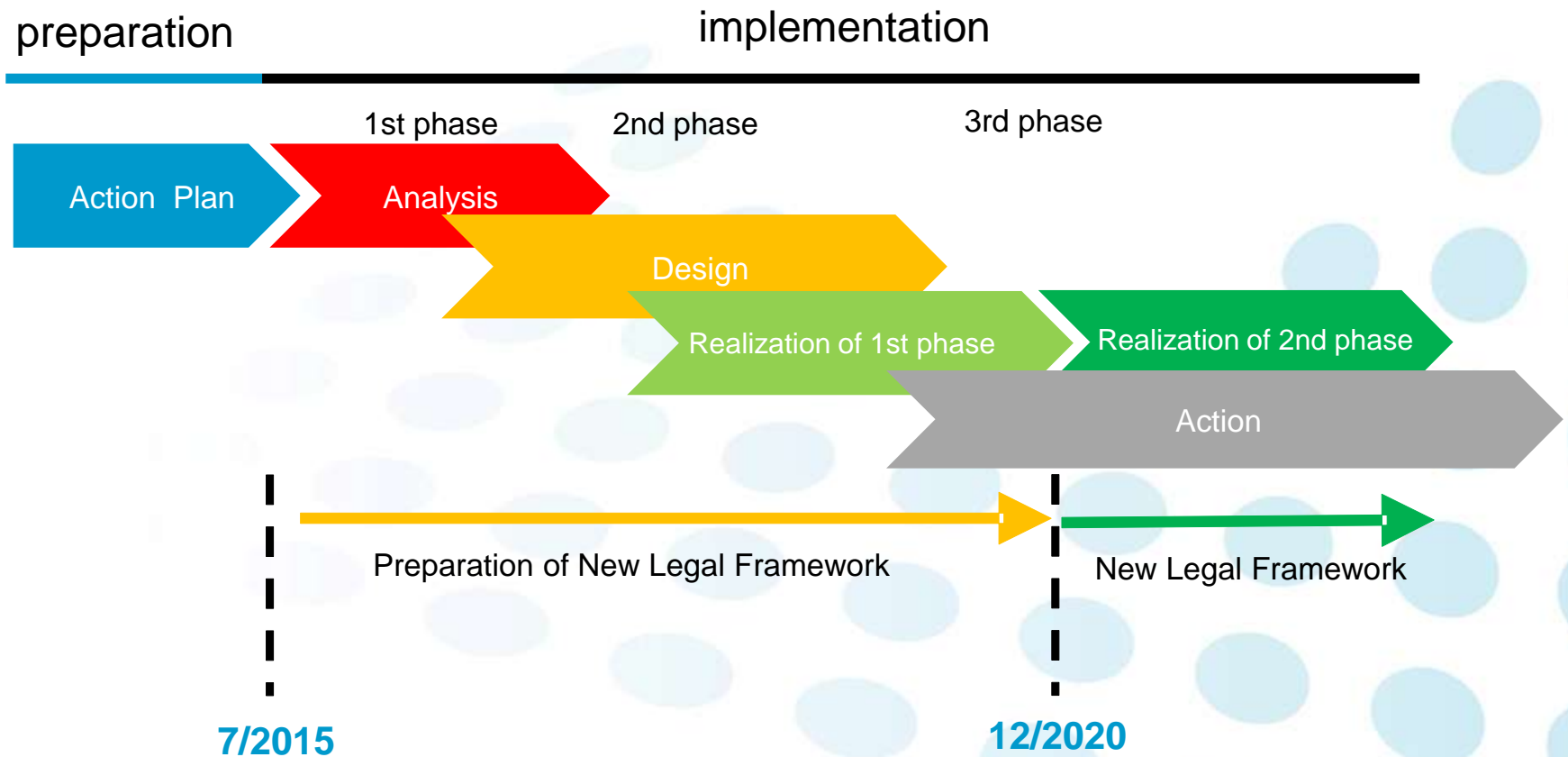


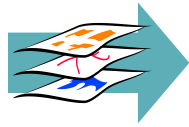
# Implementation Phases

- 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



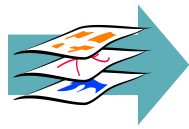
# Implementation Schedule





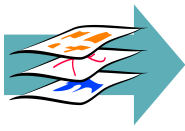
# Management and Organizational Structure





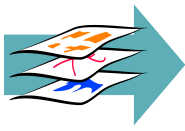
# Budget and Sources of Funding

- Mol 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

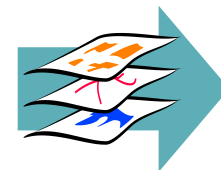


# Conclusions



## 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

<http://www.geoinfostrategie.gov.cz>

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[eva.kubatova@mvcz.cz](mailto:eva.kubatova@mvcz.cz)