

Bavarian Ministry of Finance 



## Geoinformation on Demand the Bavarian example

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### The agreement of the Federal Government at the November 11th, 2005

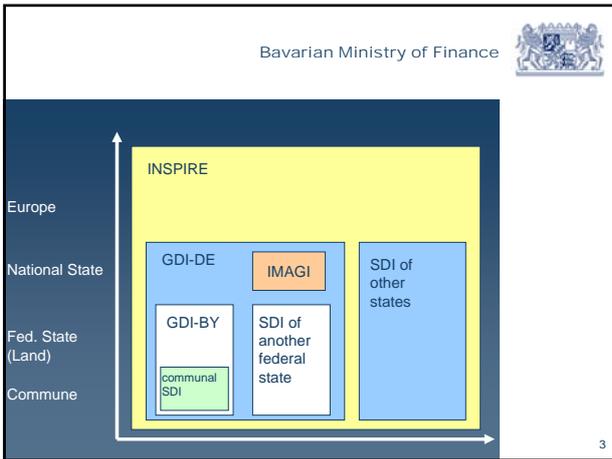
V. 2. Modern State needs efficient administration:

A modern state needs an innovative, capable and efficient administration. For this reason we will continue along the path begun with the Deutschland online scheme and will reorganise cooperation within the machinery of government on the basis of information technology (IT), thereby systematically reducing administrative costs.

Through the introduction of central IT-based procedures for the most important government services for business and the general public (e-government), we intend to play a leading role in bringing about innovative and cost-cutting administration. The Federal Ministry of the Interior, as the department responsible for internal organisation and security, will be in charge of the continuing development of the IT strategy and of IT security.

- Spatial Data Infrastructure (SDI) is well on the way to gain an outstanding importance for politics, economy, administration and every citizen
- SDI is an interdisciplinary part of the initiative of the Bavarian e-government

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### SDI in Europe

Infrastructure for SPatial  
InfoRmation in Europe  
**INSPIRE**



- INSPIRE is a European directive, initiated by the European Commission and developed in collaboration with decision bodies and other experts of the EU-member states
- Focuses on information of the environment

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### SDI in Germany (GDI-DE)

Decision of the Cabinet of the German Federal Government at June 17, 1998 about the coordination of the spatial information in the Federal Republic of Germany: founding by the permanent „Inter-Ministerial Commission for Geoinformatics (IMAGI)“.

At November 27, 2003 the Chiefs of the Federal Chancellery with the „Chiefs of the Staats- und Senatskanzleien of the Federal States“ (CdS) have decided upon the construction of the Spatial Data Infrastructure in Germany (GDI-DE). A steering committee GDI-DE and an Office for Coordination the GDI-DE was established.

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### Demands of the Economy

- Practical impulses shall be made
- **One** contact office
- **Standardised central services** for all spatial data of the administration
- Visualise all spatial data which are important to the economy: „**BayernViewer for the economy**“

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### Strategy of the e-government portal in Bavaria

- Realisation of an e-government portal as a part of the Bavarian e-government strategy started in 2002
- Combining all the internet services of the governmental and municipal administration and provide a common access
- A higher efficiency within the government administration will be obtained as well as a higher productivity of the entire economy
- All level of administration, starting from the municipalities up to the EU authorities shall be included
- The spatial data portal is a basic part of the e-government strategy in Bavaria



### SDI in Bavaria (GDI-BY)

Construction of an Integral Geo Data Base (IGDB)

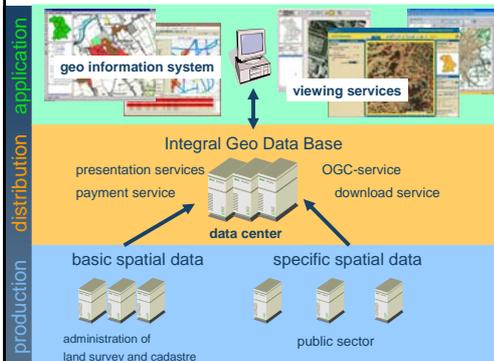
The legal directive (Art. 12a VermKatG) from August 1, 2005

„With agreement of public administration in Bavaria, the Bavarian Surveying Administration has to make available all spatial data of public authorities.“



### Principles of the IGDB

- Separation of *data production* and *distribution of data*
  - fast provision of data,
  - distribution formats are often determined by external institutions (OGC, ISO, CEN, companies),
  - high availability,
  - large area distribution,
  - payment, cashing,
  - security
- Redundant data management can be avoided
- Responsibility and ownership of application data remain with the corresponding administration



### Procedure

- Implementing step by step
- Complying the standards (OGC, INSPIRE, GDI-DE, BayITS)
- Providing basic spatial data and specific spatial data of the public sector by a Service Oriented Architecture (SOA)
- Keeping core competence in software development
- Use of Open Source Software and standards of OGC
- Filling the IGDB with data by realising concrete projects step by step with focus on the demand of the economy

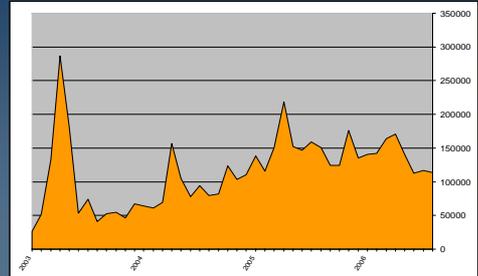


### Procedure

- The **BayernViewer** is a basic component in the Bavarian government
- all available spatial data of public authorities will be shown in the BayernViewer
  - Concept of authorisation (data protection)
  - profile
- Services of the e-government portal like
  - e-payment
  - authentication
 will be used



### Access statistics of the BayernViewer



### Extract of spatial data in Bavaria

basic spatial data :

WMS: UK 500, TK 50, TK 25, DOP, ALK, DOK  
 WMS under construction: ATKIS, contour lines, DTM

specific spatial data:

WMS: nature protection areas, National parks, nature reserves, Ramsar, geological data  
 WMS under construction: agricultural environmental measures, Natura2000, protected monuments, property values, construction site plans, flood risk areas and flooded areas




The authenticated user is known with his

- name
- address
- bank account / credit card (optional)
- authorisation
- present profile (only the information the user is interested in or is allowed to use is shown)



The BayernViewer with

- Orthophoto
- property values
- flood risk areas



## Looking ahead

With the **BayernViewer** and the **Integral Geo Data Base**, Bavaria is on the top of the activities in creating a Spatial Data Infrastructure. The Land Surveying Administration is providing a major contribution to the e-government in Bavaria and takes responsibility for providing actual, standardized and well structured data.



Thank you for your attention!