



# SPATIAL INFORMATION AND THEIR IMPORTANCE FOR SUSTAINABLE DEVELOPMENT IN THE SLOVAK REPUBLIC

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## Who is G-BASE?

G-BASE – professional solutions for collecting, processing, analysis and publishing spatial data, photogrammetry and public safety & security.

Our vision – popular geoservices.



**BLOM**  
IMAGING THE WORLD





**Data collecting**

**Processing**

**Usage**

**NSDI**





## Data collecting

Actual and complete data – core for GIS

NSDI users requires full data delivery within complex solutions

UGKK SR (GCCA) – realization of the system  
→ Challenge: long term actualization of data



**BLOM**  
IMAGING THE WORLD



# Data collecting

## Complete solutions for NSDI

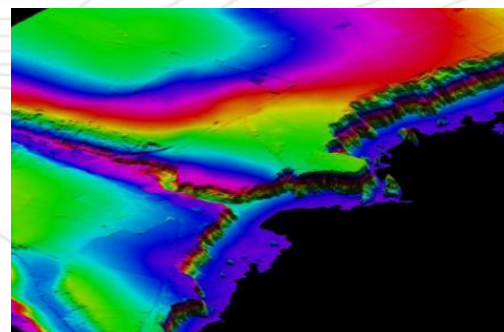
Aerial photography



Vector maps



Digital terrain models



Orthophotomaps



Oblique images



3D models





**Data collecting**

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## Data Processing

Technologies for data capture, processing and maintenance are way to reach the target

Crucial are knowledge, experiences, complexity and quality of solutions.

Geopopular services – solutions for experts and common users as well





## Data Processing

Tools for certain, massive and fast data processing and actualization

Reliable technologies with 40 years tradition

- ImageStation
- GeoMedia
- TerraShare







**Data collecting**

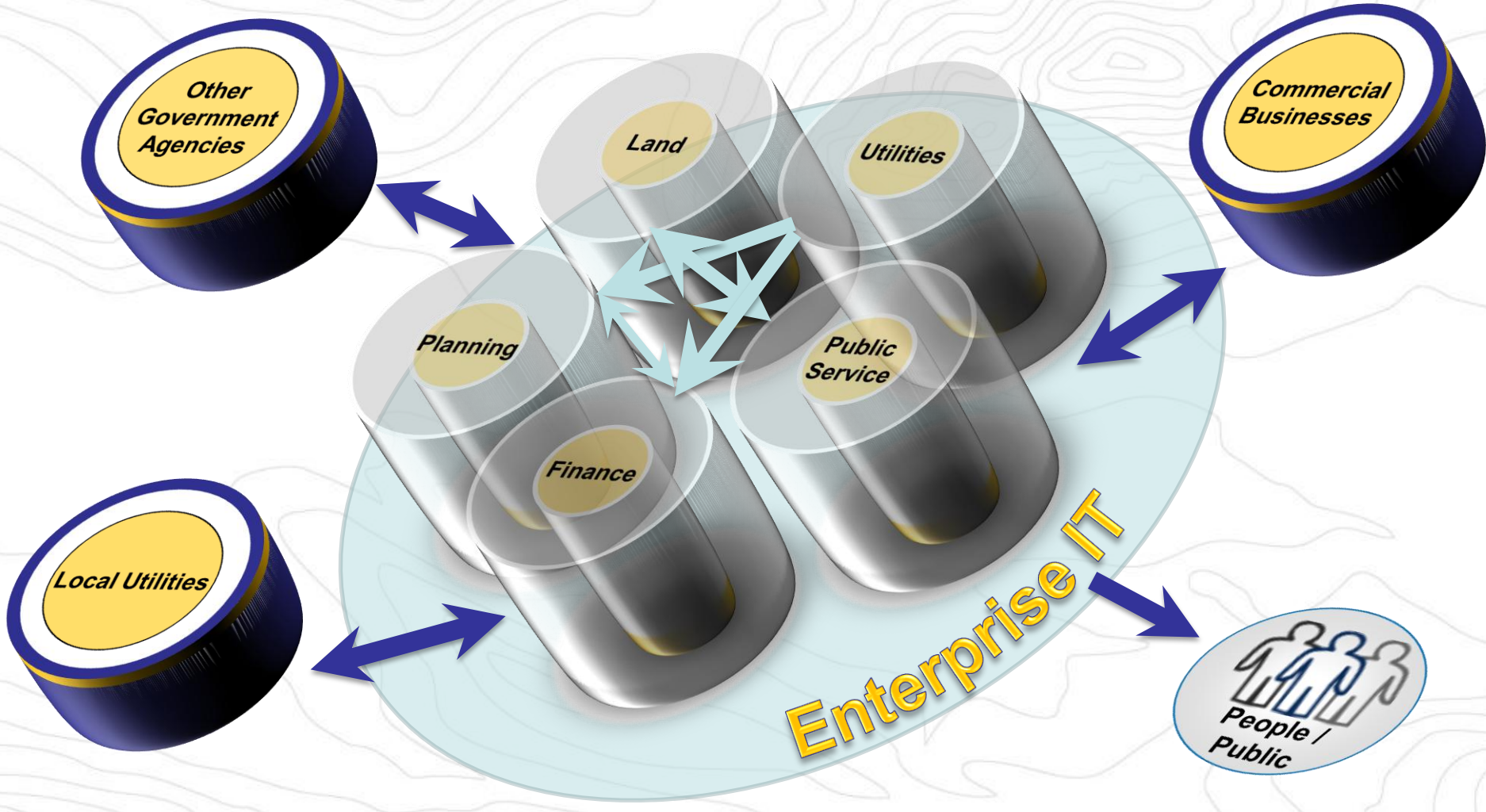
**Processing**

**Usage**

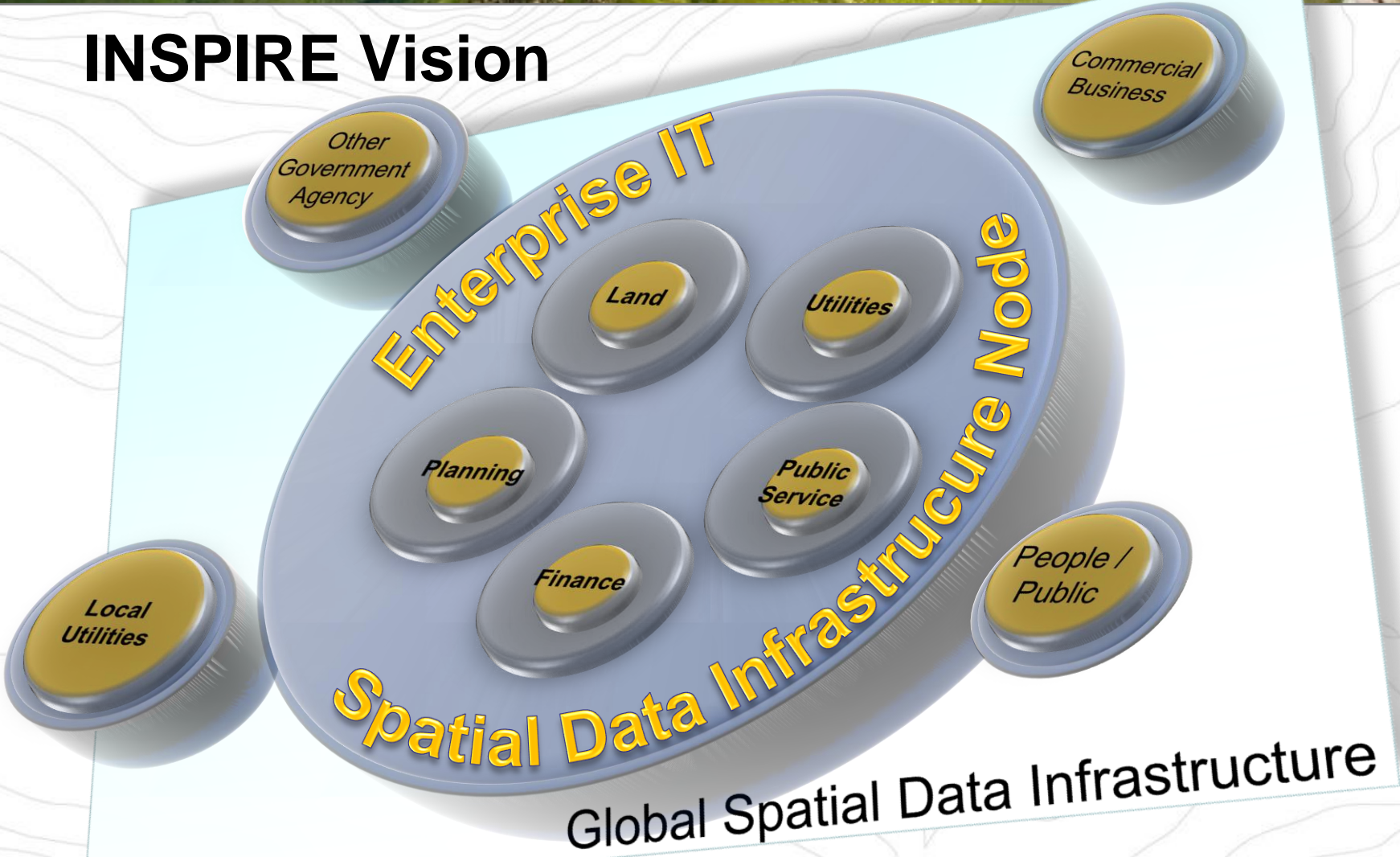
**NSDI**

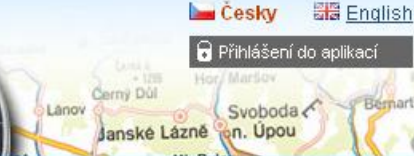


# Current situation



# INSPIRE Vision





Aplikace

Datové sady

Síťové služby

INSPIRE

Úvod

[Vyhledávání dat a služeb](#) [Internetový obchod](#) [Geoprohlížeč](#) [Nahlížení do KN](#) [Dálkový přístup do KN](#) [Prohlížení archiválií](#)

Nyní jste zde: **Aplikace / Úvod**

Zadejte jméno správní jednotky (Brno) nebo zeměpisné jméno (Labe)

Hledejte v mapě



[Pokročilé ovládání - v novém okně se zobrazí Geoprohlížeč](#)



### Prohlížení dat

- [Katastrální mapa](#)
- [Státní mapa 1 : 5000 - rastr](#)
- [Státní mapa 1 : 5000 - vektor](#)
- [Základní mapa ČR 1 : 10 000](#)
- [Základní mapa ČR 1 : 50 000](#)
- [Ortofoto](#)
- [ZABAGED® - polohopis](#)
- [ZABAGED® - výškopis - vrstevnice](#)
- [Geonames](#)
- [Bodová pole](#)

→ Stav vybraných produktů

o Geoportálu





**Data collecting**

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## Data Usage



Actual and Accurate Spatial Data – The Core  
for sustainable development of the Slovak  
Republic

Core Data Basis for GIS (“ZB GIS”)

Cadastral of real estates (2D,3D)

Pictometry



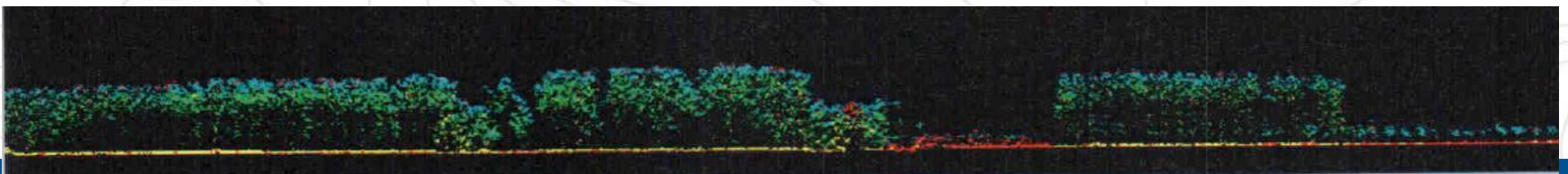
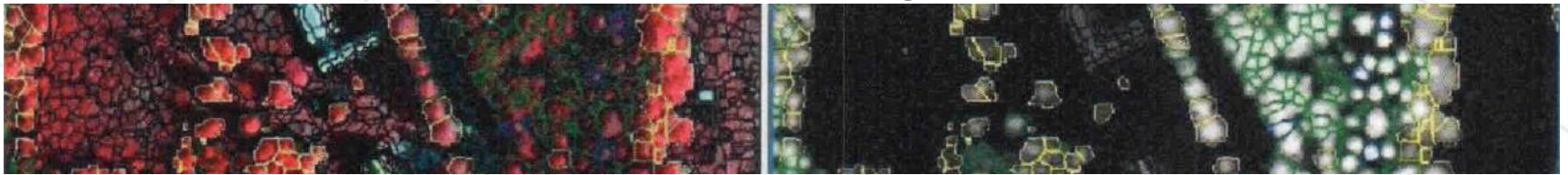


## Data Usage

Spatial data and SDI in forestry

In combination with UGKK data new possibilities for monitoring in forestry

National Forrest Stockading



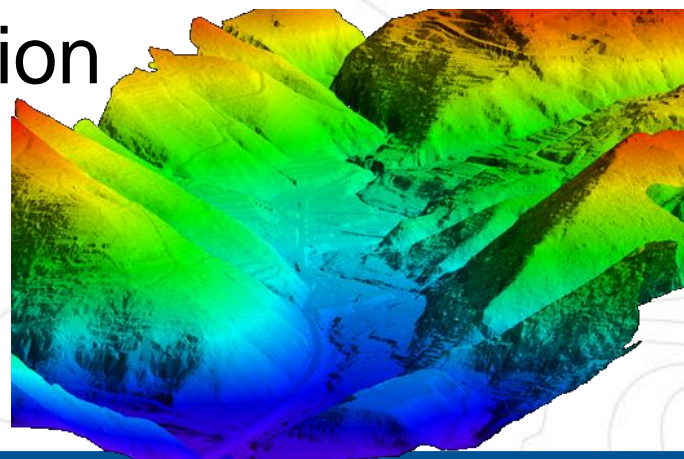


## Data Usage

National spatial data infrastructure

Flood management and risk evaluation

- Data collecting
- Terrain modelling, visualization







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