



The Regional Atlas of Southeast Europe

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The regional atlas of SEE

- Digital Atlas
- General Information Infrastructure
- National & Regional Spatial Data Infrastructure
- Regional Atlas
- Approach and current projects
- Conclusions



The Balkans Regional Atlas



SLOVAKIA

AUSTRIA

HUNGARY

MOLDOVA

SLOVENIA

CROATIA

ROMANIA

BOSNIA
AND
HERZEGOVINA

Serbia

ITALY

BULGARIA

Adriatic
Sea

Black
Sea

FYR.O.M.

Tyrrhenian
Sea

ALBANIA

GREECE

TURKEY

Serbia and Montenegro



What is a digital atlas?

- Examples

- Balkan regional atlas
- Baltic Sea regional atlas
- Baltic Environmental Atlas

- Clickable map

- designed for a specific purpose
- central web server

- Lack of extensibility

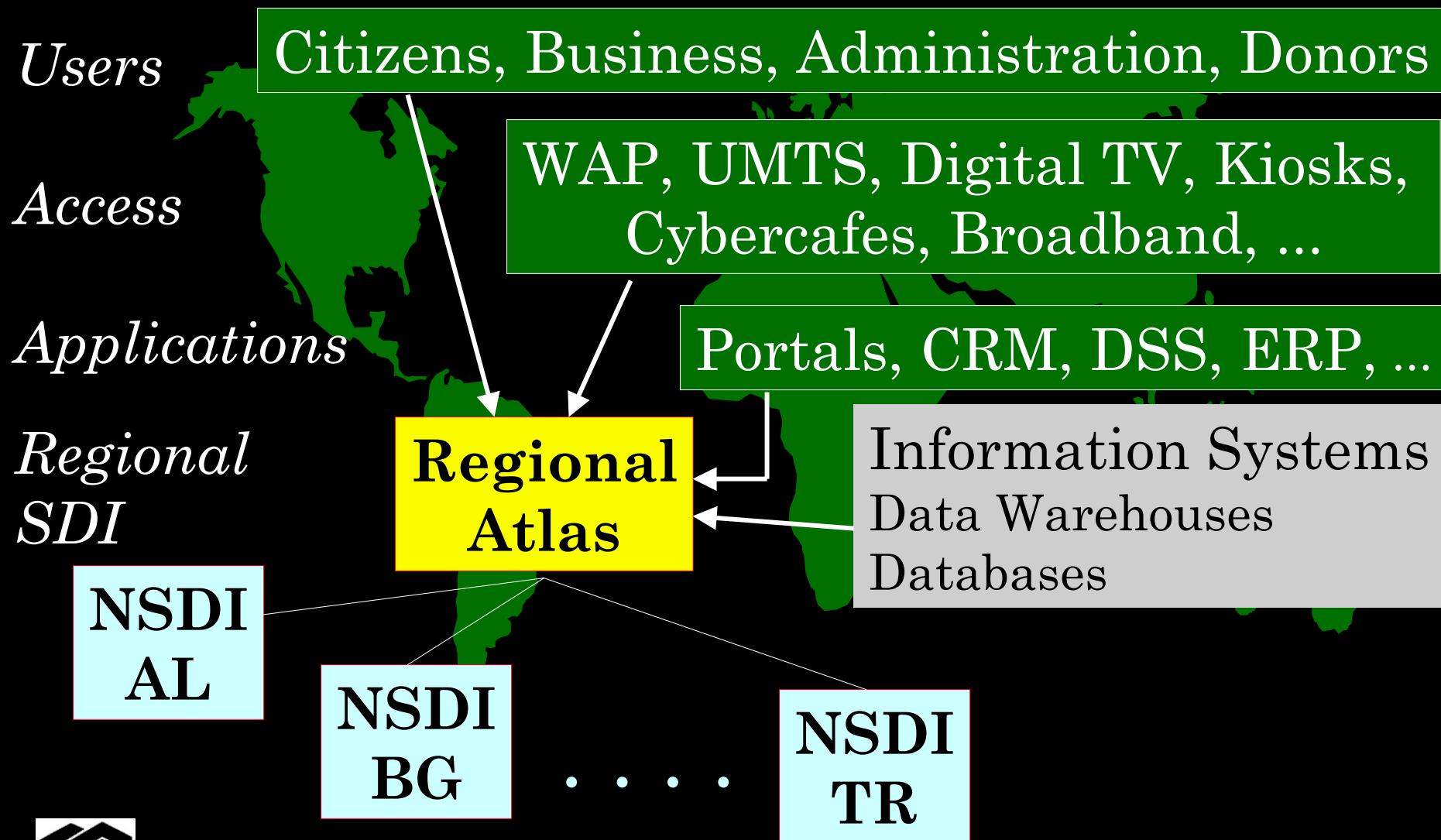


What does the user want to know?

- Microclimate in Gotse Deltchev and its influence on the water quality of Mesta
- Frequency of wolves in Mercantour and the evolution of life stock
- Existence of cadastre data in Dragoman and Dimitrovgrad and its effect on the evolution of the agriculture
- Land mines in Kosovo



Information Architecture



National Spatial Data Infrastructures

- Level of economic development
 - Data digitization
 - National legislation
 - Data owners and suppliers
 - » private/international data sources
 - » data formats
- National identity



Spatial Data in SEE

- Satellite images (Eurimage, ...)
- Bulgaria
 - Cadastre data, DTM, geological data
- Macedonia
 - Land use, Terrain model
- Serbia
 - Land use, Town plans
- Albania
 - topographic maps, land use, thematic maps
- Turkey
 - Urban & rural zones, statistical databases

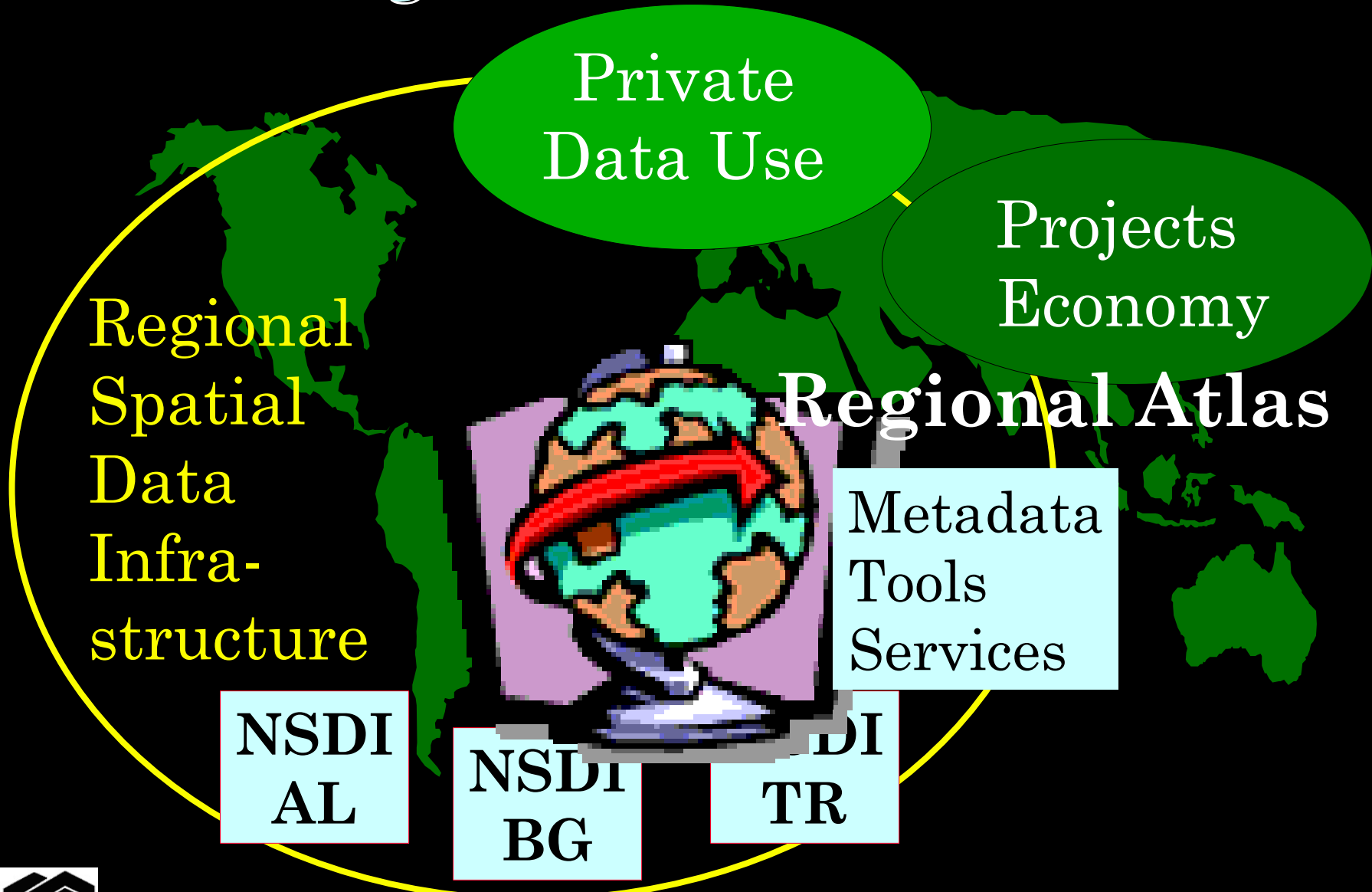


Regional Spatial Data Infrastructure

- Gateway to national SDIs
- Intermediate
 - harmonization of data and business models
- Data catalog and clearing house
- Respect of access rights
- Guidelines and framework for NSDI
- RSDI is greater than the sum of its parts



The regional atlas in the RSDI



Regional Atlas

- Embedded in the Regional SDI
- Information system for RSDI
- Seamless Information Infrastructure
- Builds on national SDI
 - does not replace them, but adds value
- Provides access to all relevant NSDIs
- Respects policies, business models of NSDI



Digital Atlas - General Definition

- Clickable map
 - Simple to use
 - Serves different user groups
 - business, education, administration, , science, individuals, ...
 - Multipurpose & unrestricted data
 - Analysis tools
- 



Technology

- Web Services and the Semantic Web
- Xlink - Conceptual links
- Data Modelling: GML / RDF
- Security / PKI
- Data Warehousing Technologies
- SCOTS



Our approach

- Vision to guide realization
- Stepwise approach - start small
- Data inventory
- Regional GI community
- Focus on selected sectors and target groups
 - Environment, disaster management, human development



GISEE

Geographic Information in South-East Europe

- Aim: comprehensive documentation of the spatial data infrastructures in SEE
 - data, actors, applications, standards, business processes
- Analysis of obstacles for NSDI
- Roadmap and policy recommendations

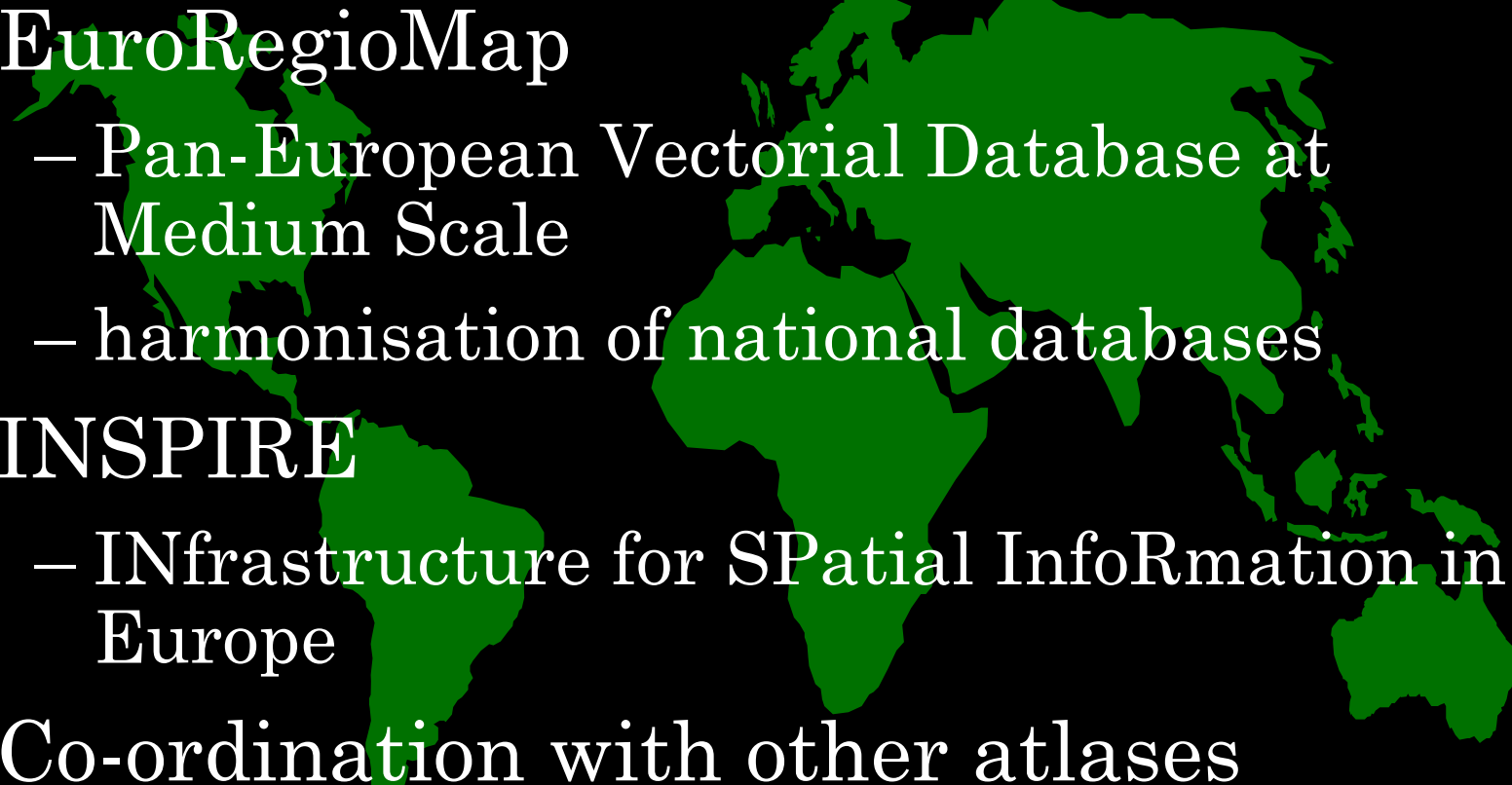


Nature-GIS

- Use of spatial data in protected areas
- Establishment of a European spatial data infrastructure for protected areas and nature preservation
- Guidelines for data infrastructures for protected areas
- Public access to information on protected areas and on environmental information



International Aspects

- EuroRegioMap
 - Pan-European Vectorial Database at Medium Scale
 - harmonisation of national databases
 - INSPIRE
 - INfrastructure for SPatial InfoRmation in Europe
 - Co-ordination with other atlases
- 



Impact

- Stimulate Regional SDI
- GI marketplace in the region
- Influence (e-)government strategy
- Widespread adoption of standards
- Private sector - increase in efficiency
- Support to various projects and sectors
 - environment, social assistance, education



Questions?

Now ..

Later

Collaboration

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