Slovakia-Hungary - Cross-border Spatial Study

ESPON Seminar, 8th December
Bratislava

Background

- The joint planning study of the Hungarian-Slovakian border region was prepared in 2005.

- In 2013 the governmental bodies responsible for spatial planning decided to revise and update.

- Supervisioned and funded by: **Hungarian Prime Minister´s Office Department of Spatial Planning and Urban Management** and **Ministry of Transport, Construction and Regional Development of the Slovak Republic**

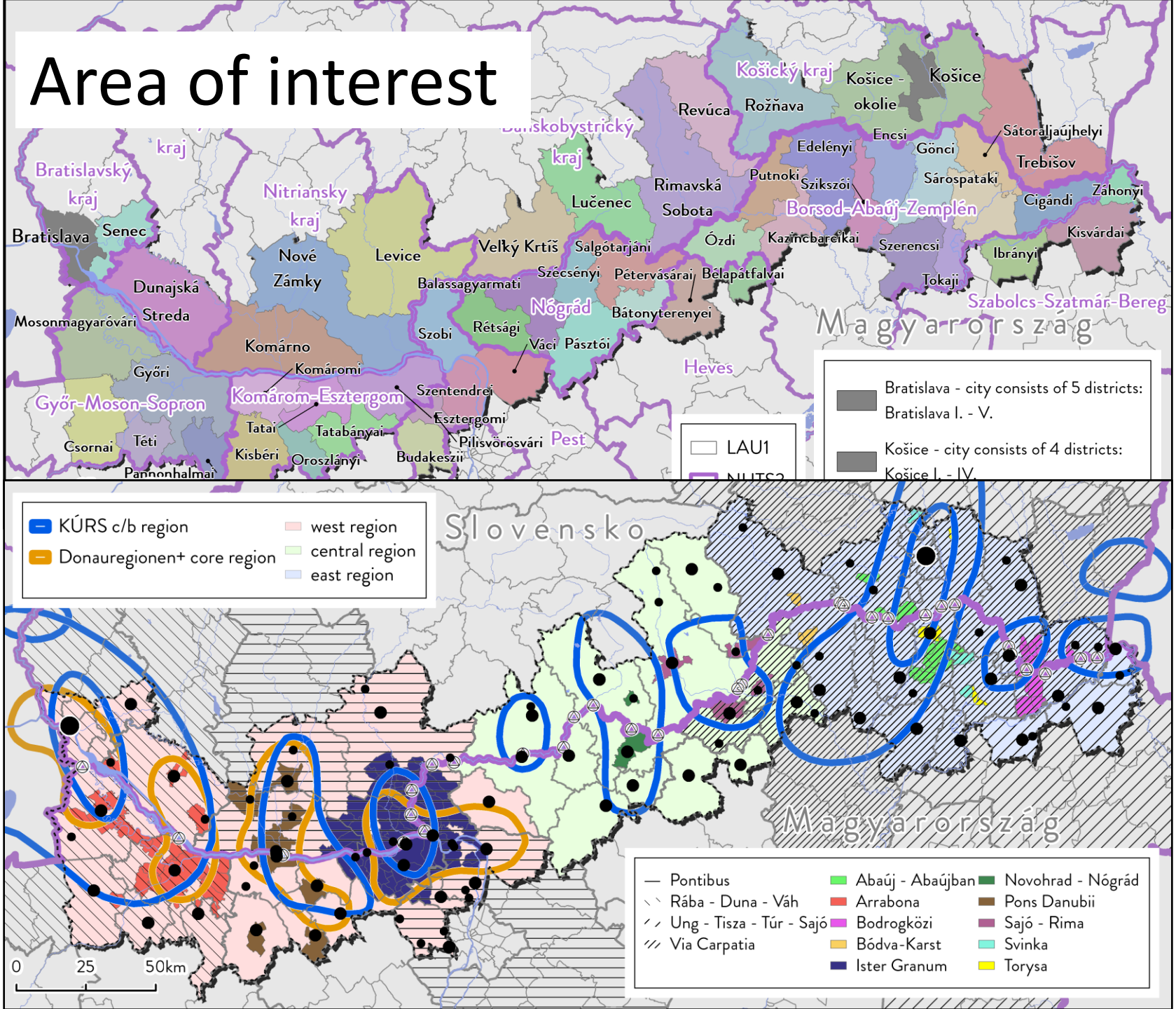
- Processors: **Lechner Knowledge Center** (HU) and **Inštitút priestorového plánovania** (SK)

Goal & Message

- **Goal**: to renew the mutual knowledge in the field of planning and coordination activities in the Hungarian-Slovak border area within the context of settlement structure development (infrastructure, environment, social and economic factors etc.)

- **Message**: to specify guidelines and recommendations in the cross-border area for regional development and spatial planning in order to ensure requested settlement environment quality

Area of interest



Structure and Outputs

- Investigation
- SWOT
- Recommendations and suggestions (Economy, Technical and Transport infra., Environmnent)
- Maps (in digital form)
  - Wider relations
  - Comprehensive urban design
  - Transport and technical infrastructure
  - Environment
- Time schedule: 19 months

Steps (how do we cooperate?)

1. Common methodology developed
2. Dividing of responsibilities of individual parts
3. Regular project meetings and specific workshops (Common SWOT development)
4. Continuos exchange of information/data via e-mails
5. Communication and outputs in English; Finally translated into national languages
6. Common geodatabase development

We are facing these obstacles (1)

Type of obstacle	Obstacle	Solution
Technical	database (statistical data availability, time factor) compatibility of data (collection methodology) - "identical" data are not comparable due to different methodologies	Identifying of common available (selected) data (i.e. using of CENSUS data) Need for harmonization of data Creating map layouts with different data / category (extended legend)
	Availability of GIS data	Use of data from other projects Use "open source" and freely available transnational (European) data (CORINE, Natura 2000) For purposes of SK-HU Study data from CBC projects (TransHUSK and Transhusk Plus) - database of POIs were used.
	Projections GIS (Geodatabase structure, different standards; display projection)	Need for harmonization of data and determine its own projections

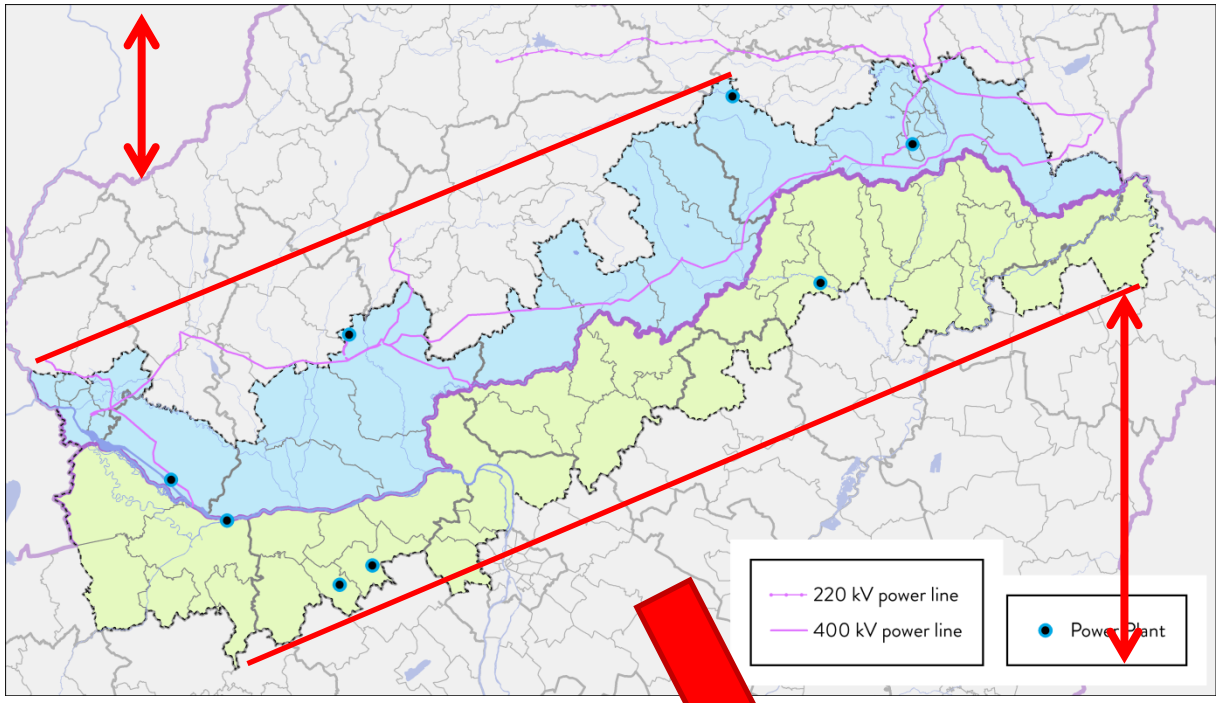
We are facing these obstacles (2)

Type of obstacle	Obstacle	Solution
Technical	(Professional) Terminology & definitions	Elaboration of a terminological dictionary (glossary) Finding a compatible data Own calculation (of the absolute data)
	Language barrier The risk of changing the meaning of the text during multiple translation (HU->EN->SK->EN->HU)	English using additional control
	Robust database - Problematic orientation in the data - Publication / presentation of data	elaboration of the code list GIS applications

We are facing these obstacles (3)

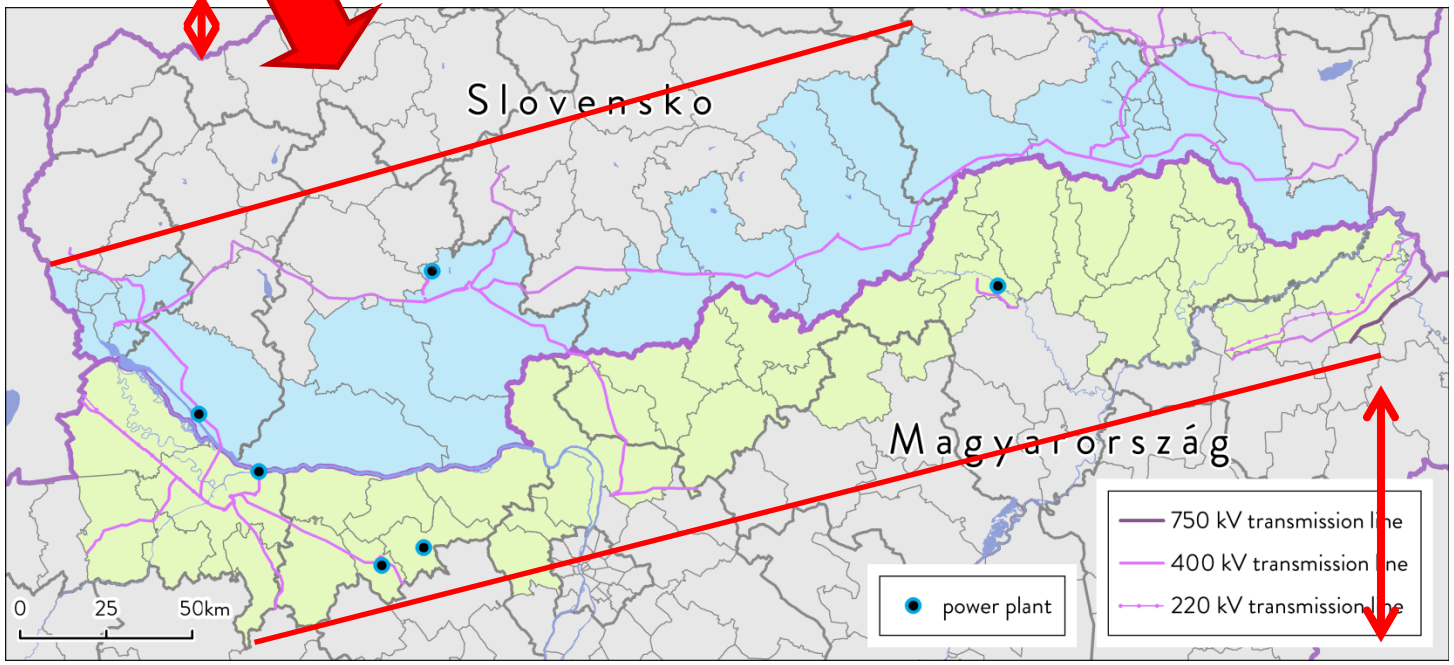
Type of obstacle	Obstacle	Solution
Administrative and legal	Copyright by data providers (National Basic geodatabase) - restricting the use of data abroad	Putting the necessary data sources; data are tied to the project; necessary to inform the data (output as PDF, PNG)
	Public procurement – different conditions (time consuming) in different countries	Harmonisation of time schedule (from HU side)

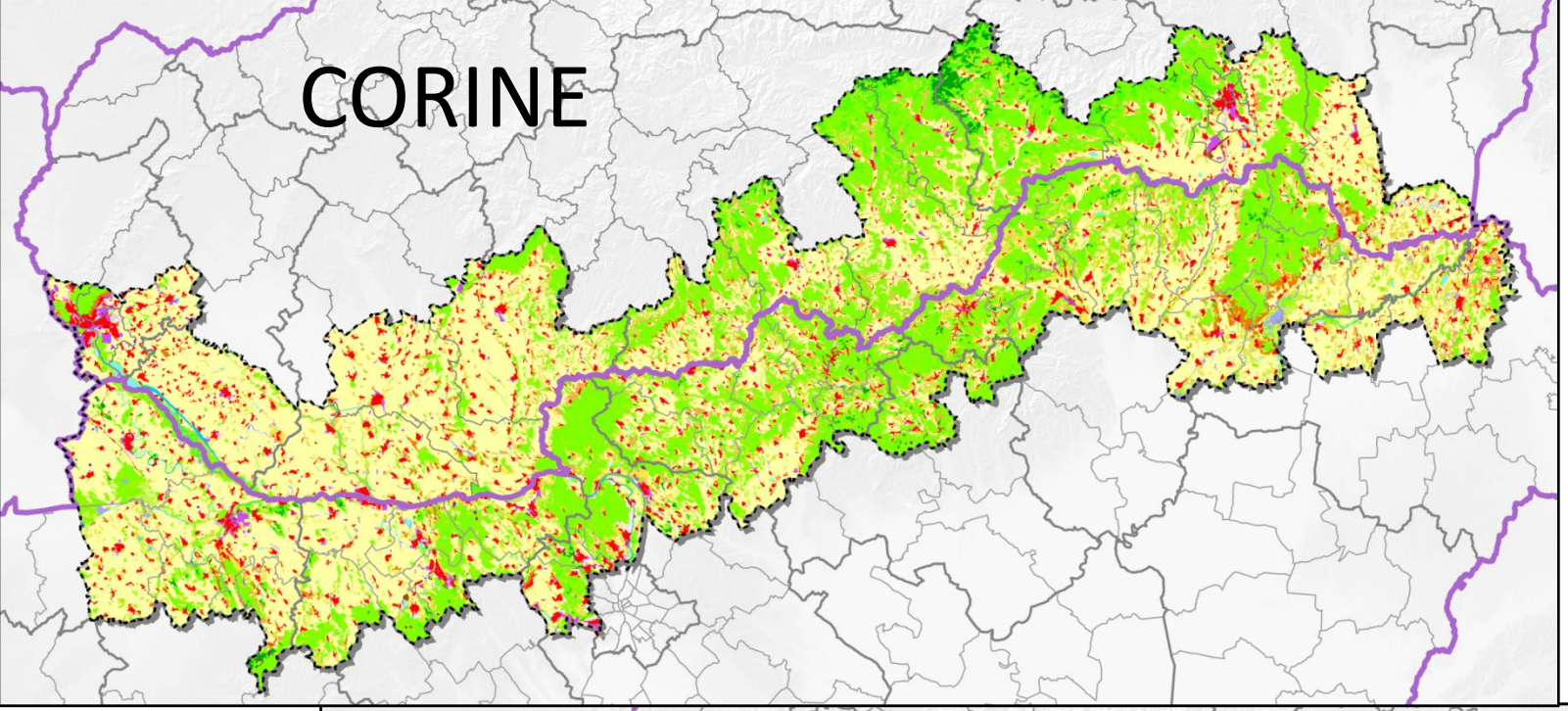
Cartographic projection usage problem

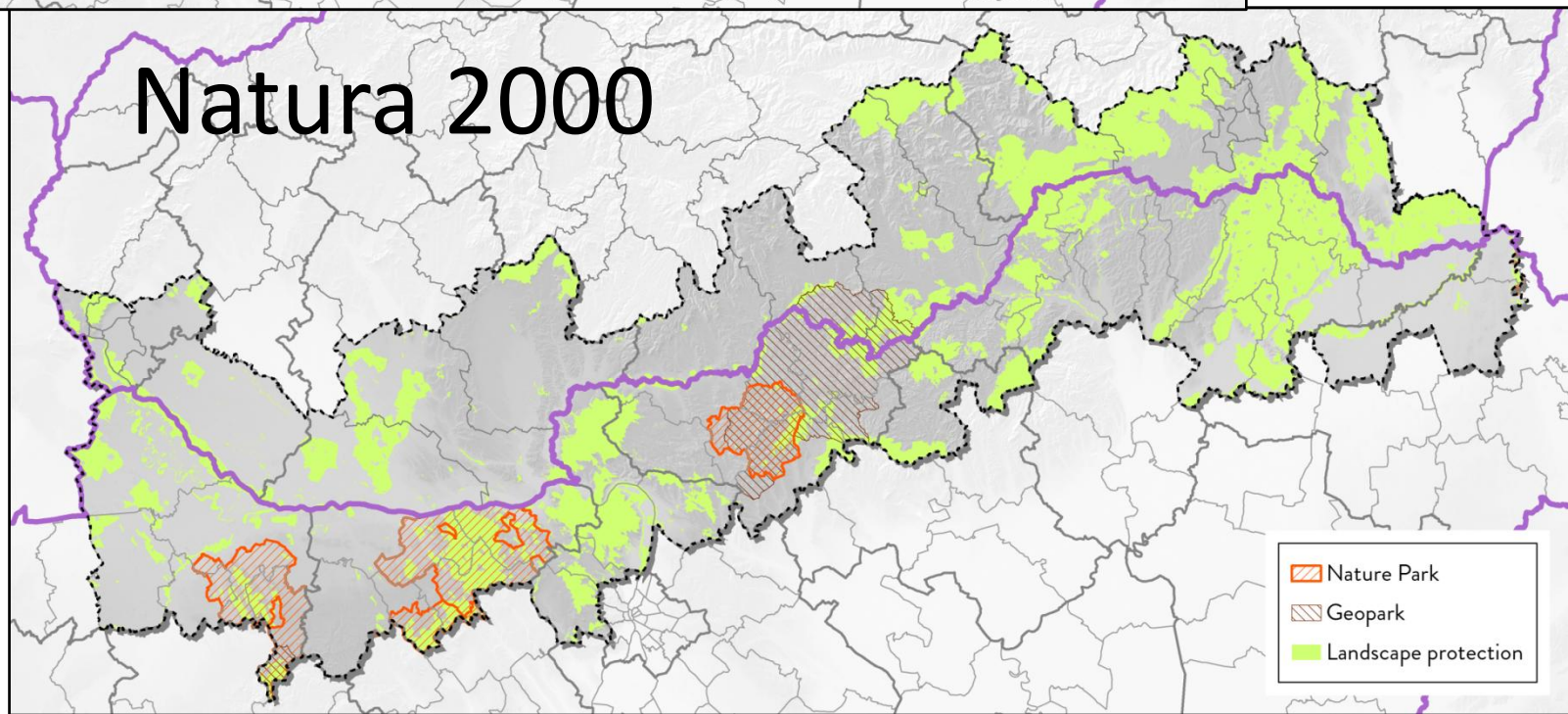


Lambert Azimuthal Equivalent ETRS-89

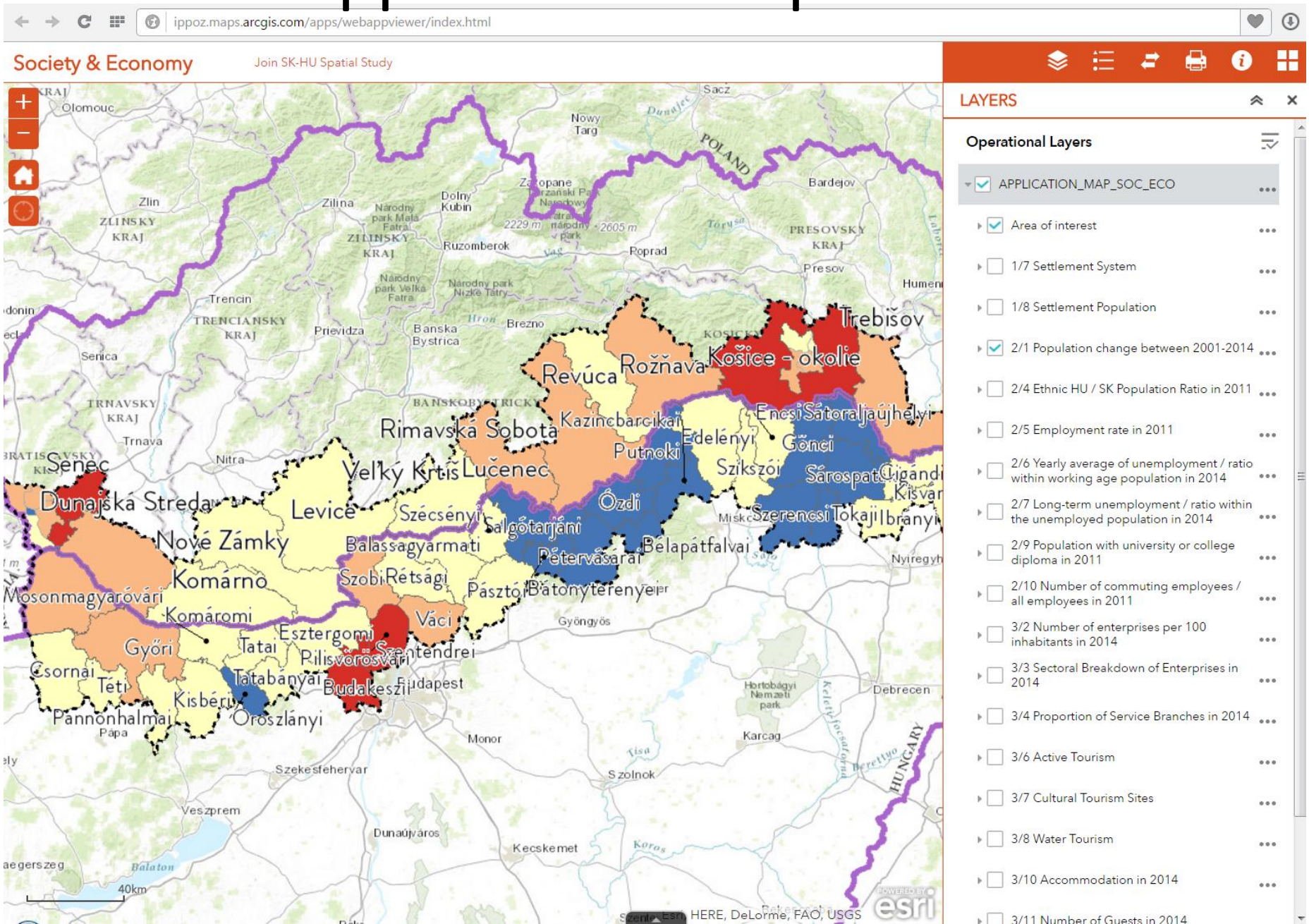
Lambert Azimuthal Equivalent ETRS-89 optimized for the SK-HU border area



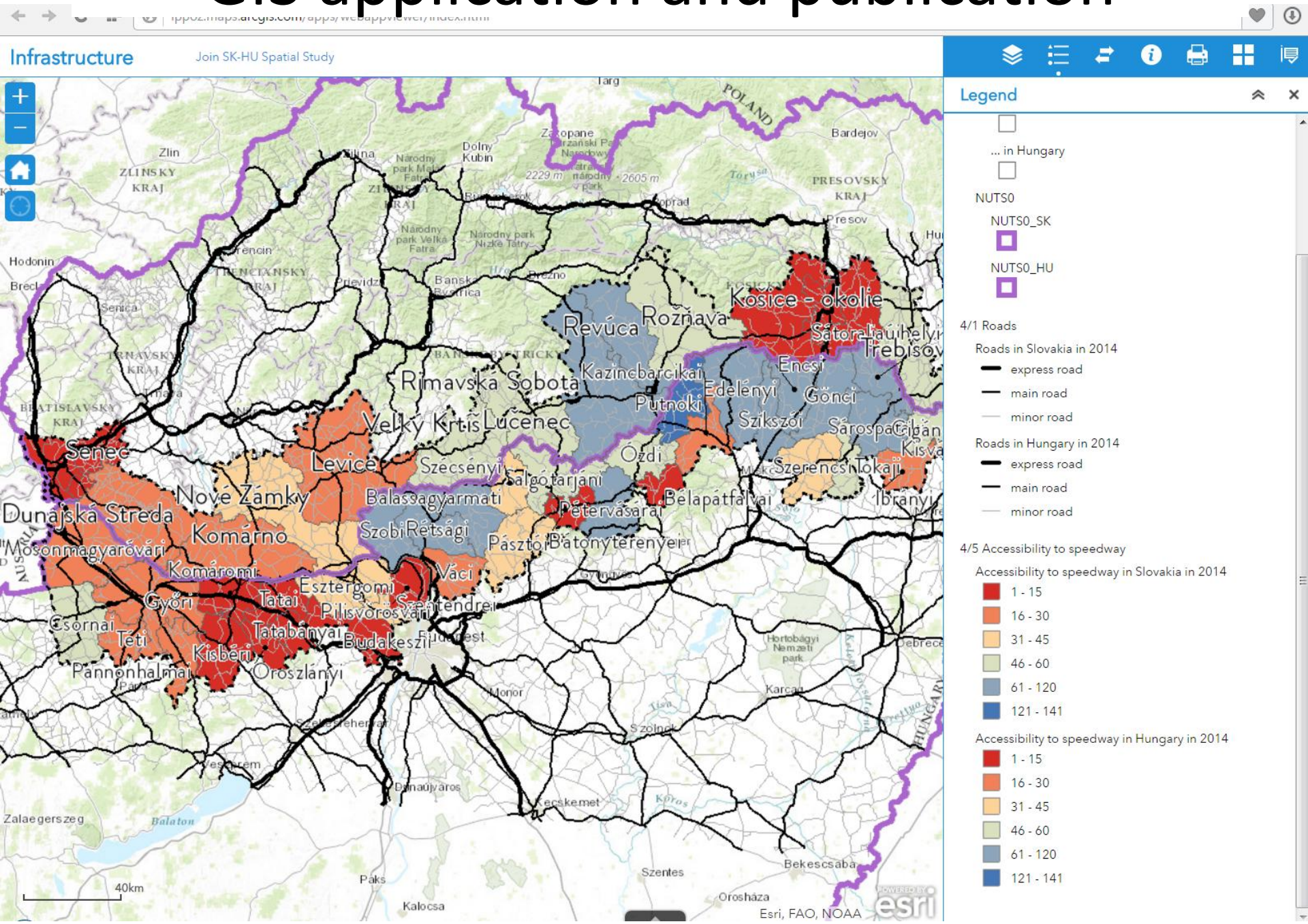

CORINE


Natura 2000
Nature Park
Geopark
Landscape protection

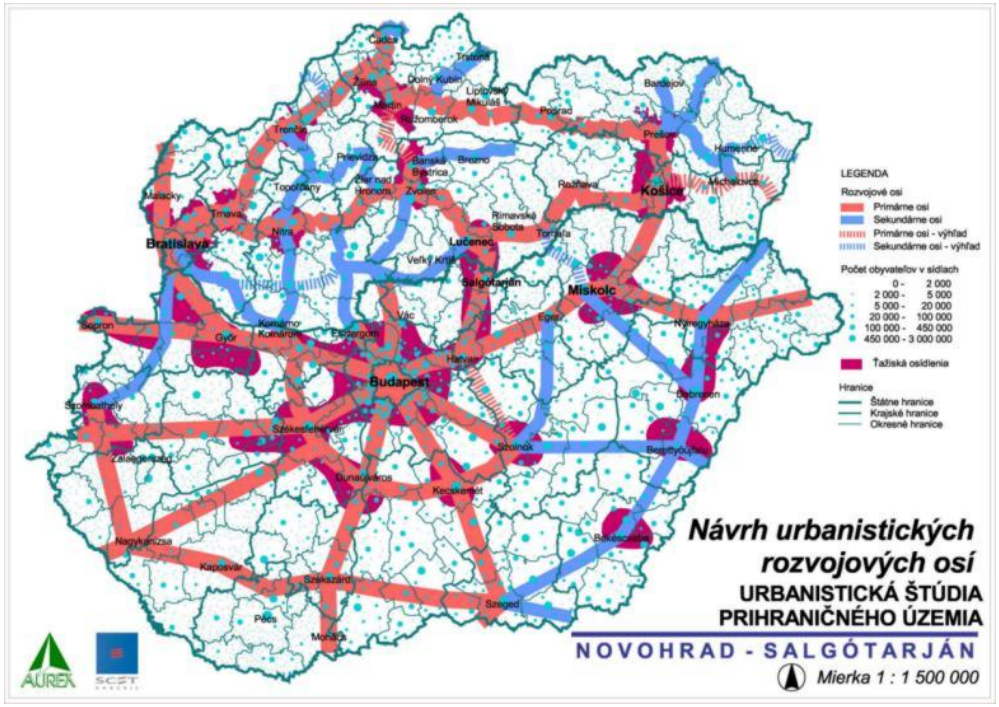
GIS application and publication

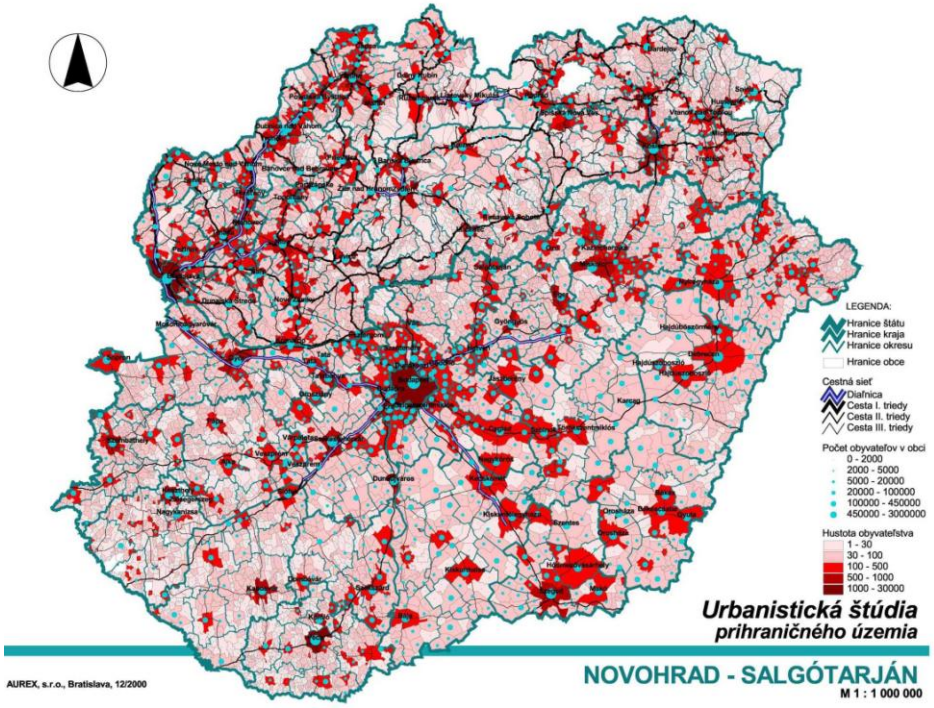


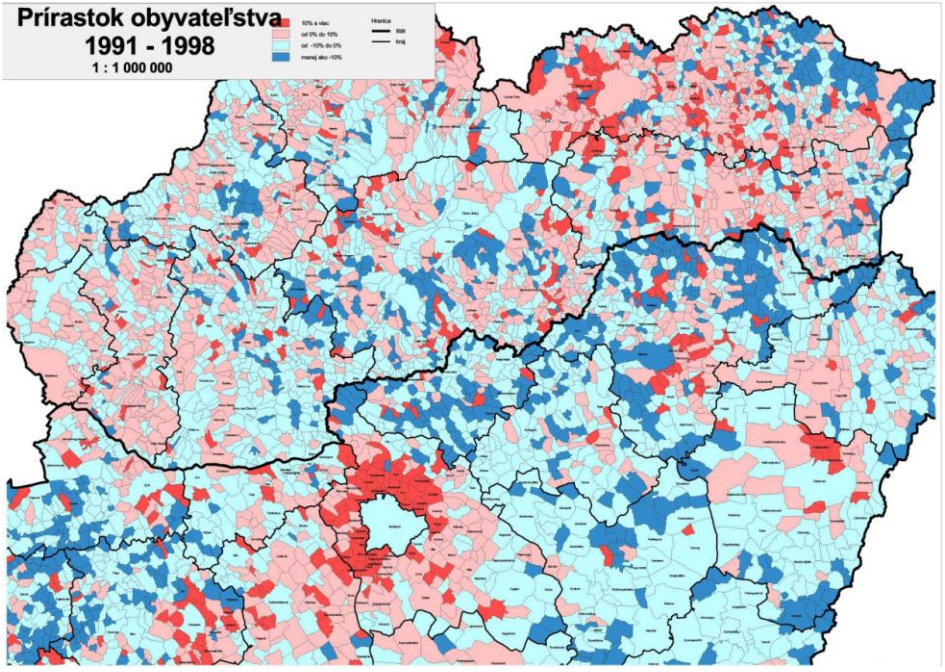
GIS application and publication



Previous projects and starting points

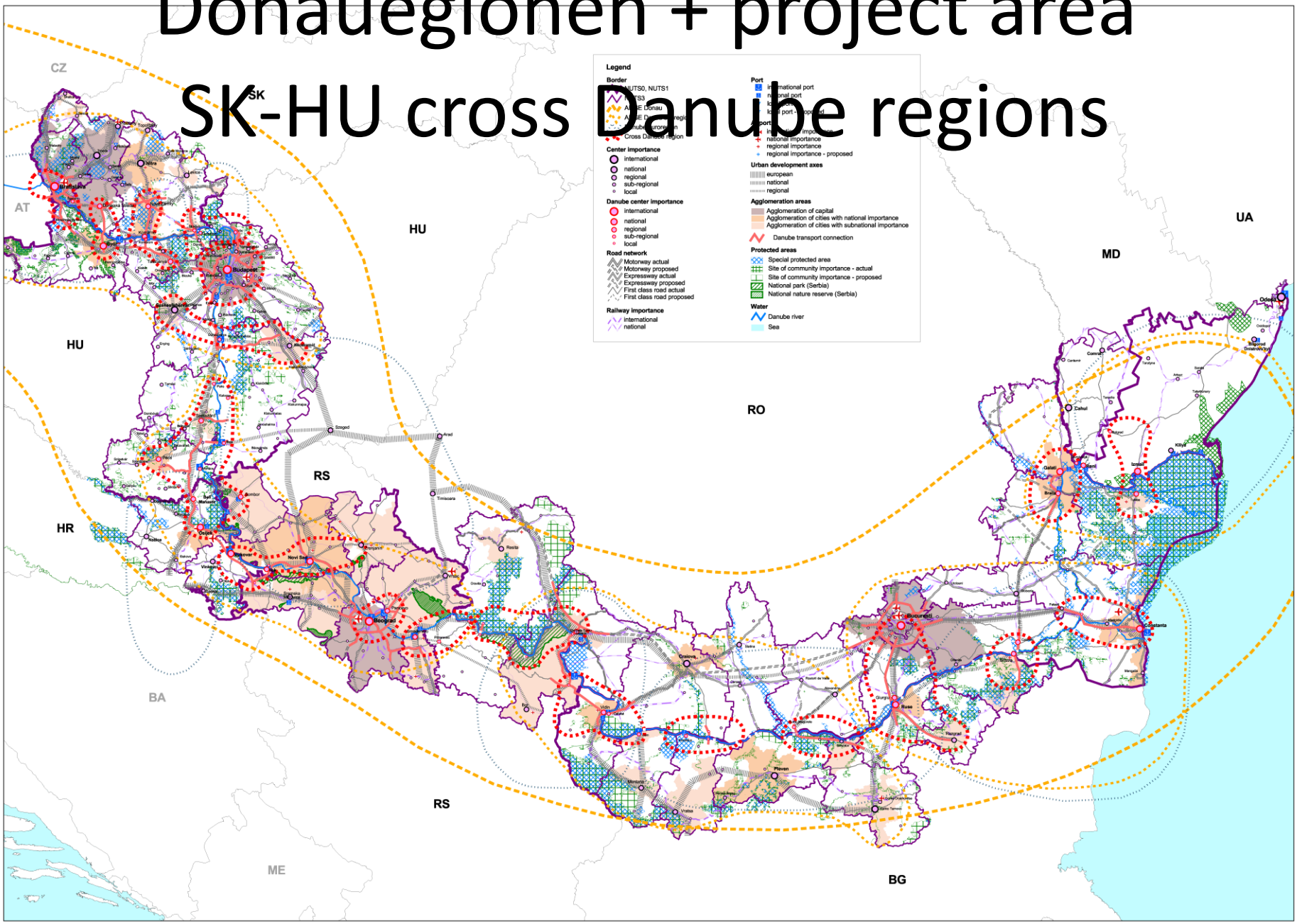


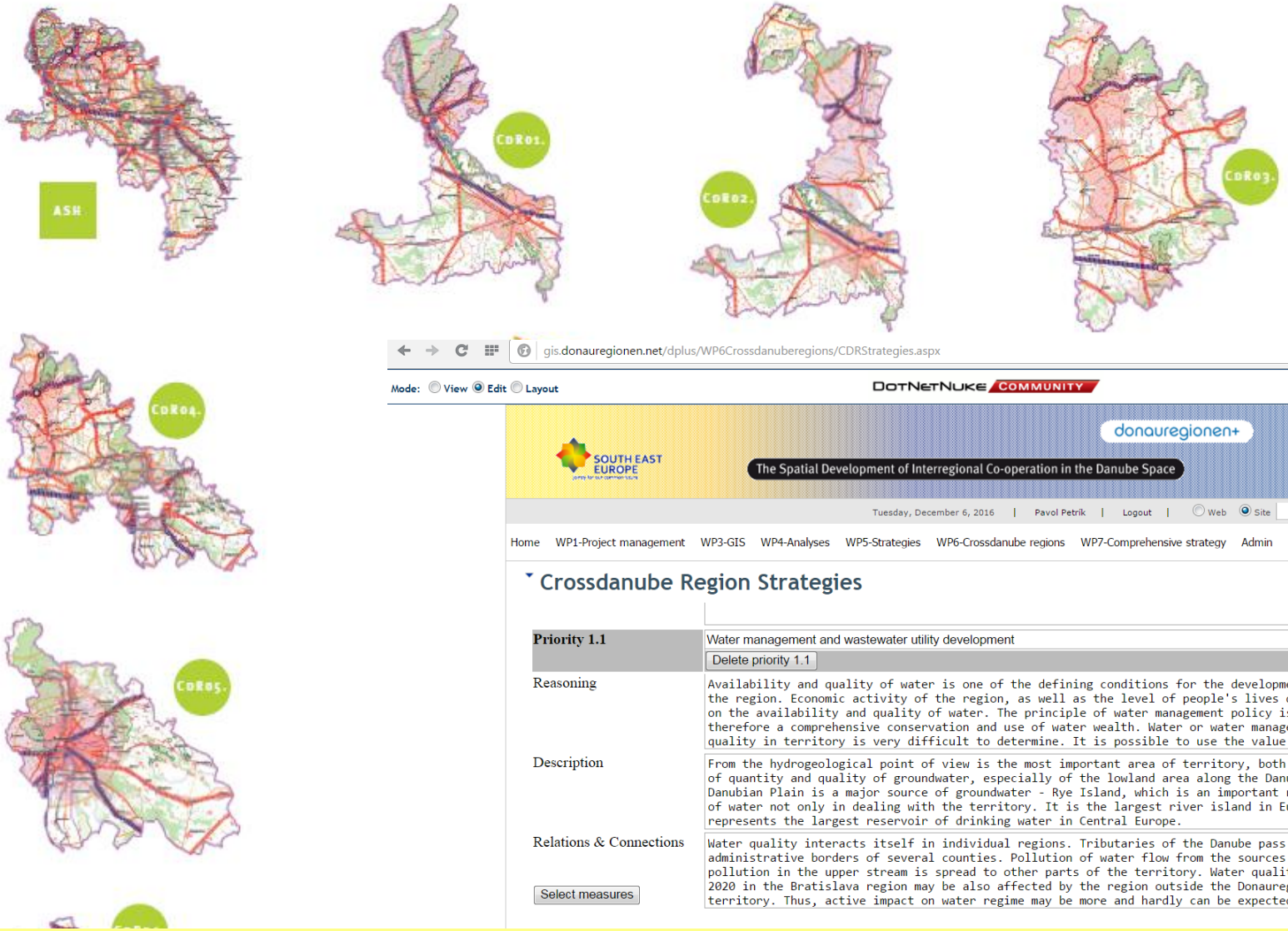




Donauegionen + project area

SK-HU cross Danube regions

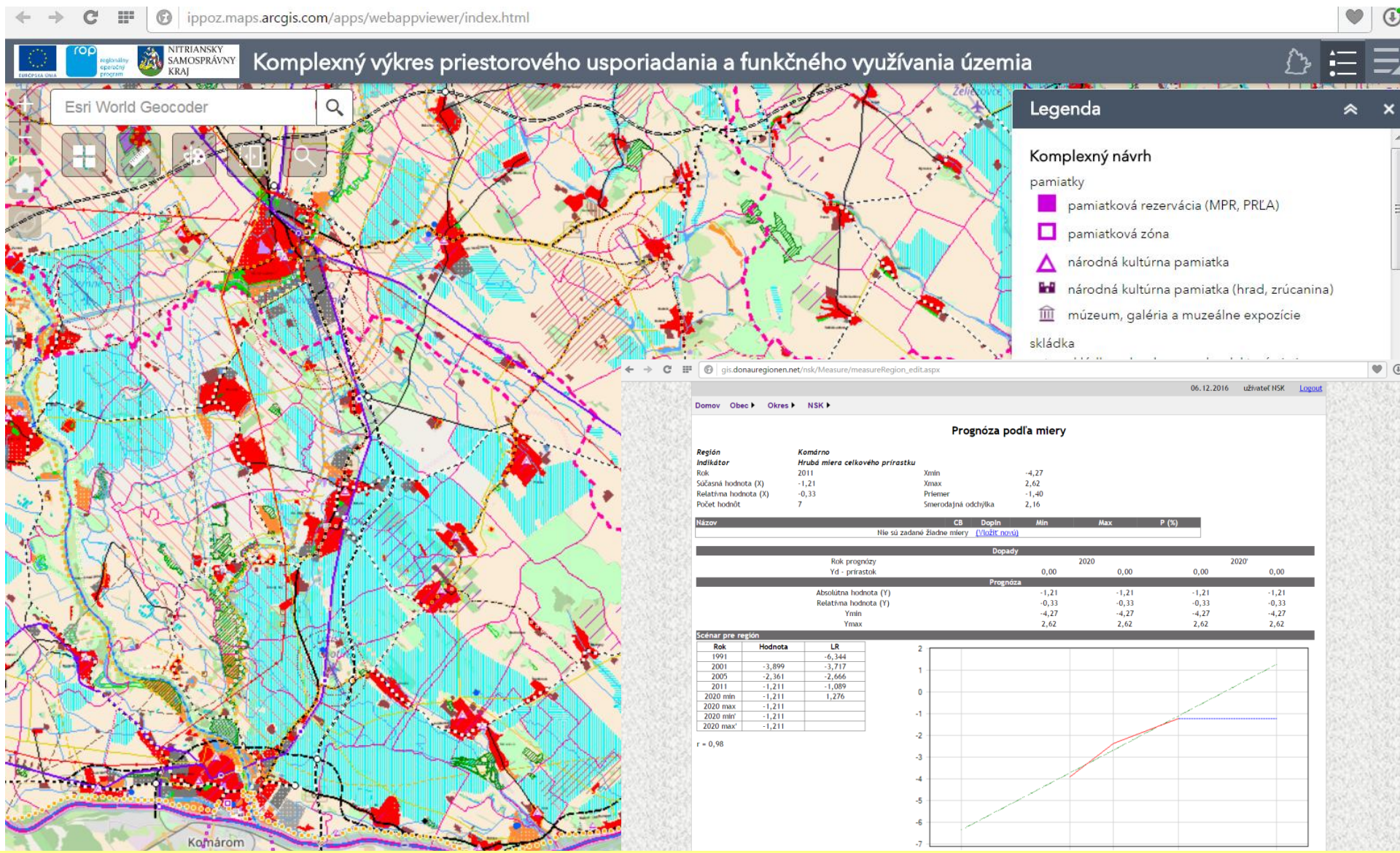




CDR Strategies accessible via D+ planning portal (SDSS + GIS servers)

„After the project“

- Monitoring and evaluation of the settlement environment quality at the level of LAU2 via CB planning portal
- Need for setting-up governance structures in order to apply the results to the forming of CB polycentric settlement systems



Nitra self-governing region planning portal (SDSS + GIS servers)

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