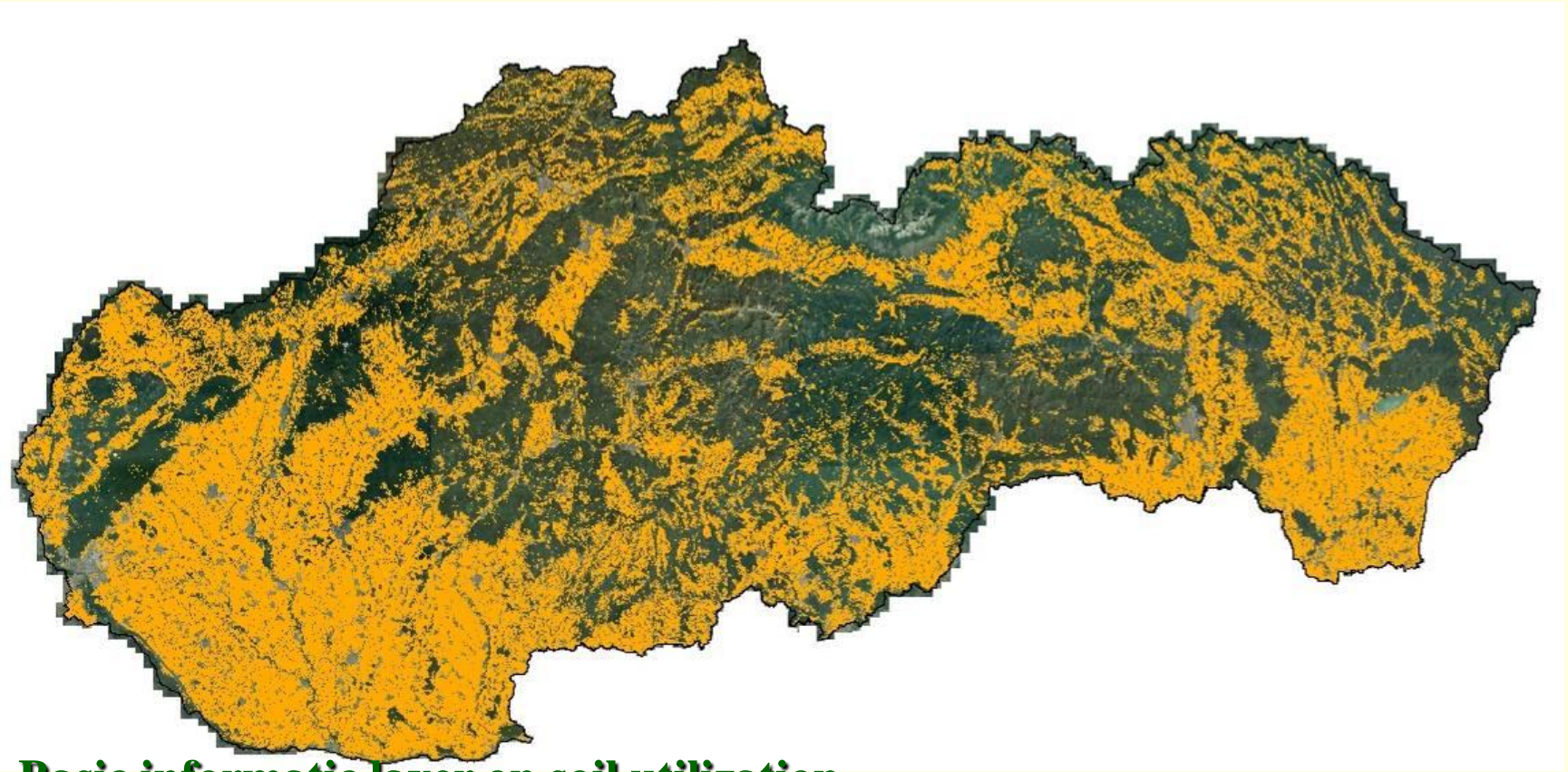


LPIS –Land Parcel Identification System – the baseline for Common Agriculture Policy legislation

- **essential for both CAP Pillars**
- **- for the first -direct payments**
- **- for the second Pillar- focused on environmental aspects – RDP –Rural Development Plan**

LPIS – land parcel identification system – soil register



- **Basic informatic layer on soil utilization**
- **one of the essential elements of IACS – Integrated administrative and control system**
- **Soil Science and Conservation Research Institute authorized by MoA SR for creation and update of LPIS from the 4. April 2002**

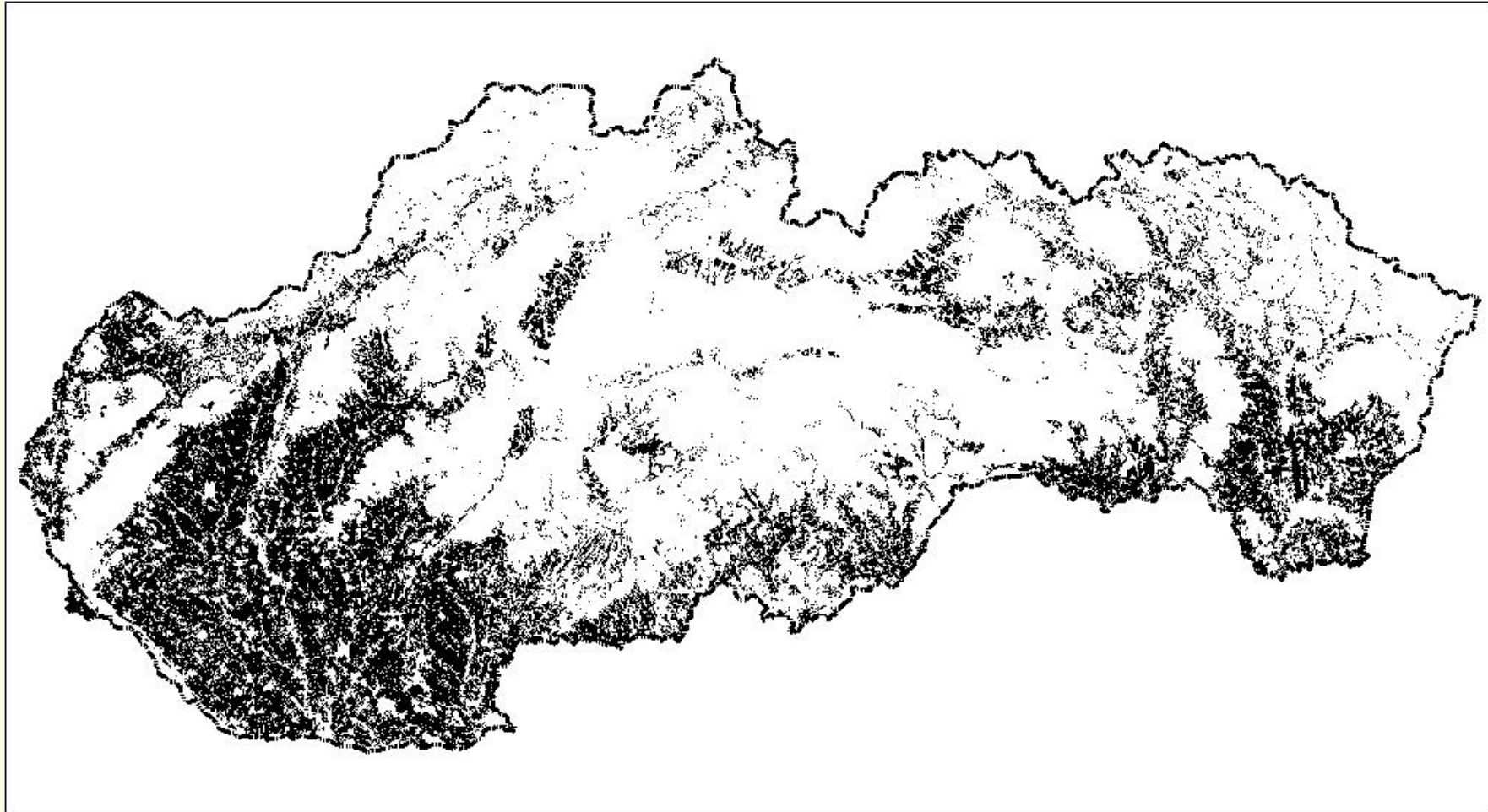
LPIS – register of production agriculture parcels



- LPIS is created on digital ortophotomaps a physical blocks bounded by natural lines. Utilization not owner relations, verification specification directly with users.



LPIS – division according to cultivation arable land



LPIS – division according to cultivation arable land





Special registers in LPIS



Orchards register



- till 2004 created by ÚKSUP (Central and Testing Institute in agriculture) based on digital orthophotomaps 2002/2003 – integrated in LPIS
- since 2004 actualisation of text parts – not integrated in LPIS
- since 2009 actualisation of geographical localisation – integrated in LPIS



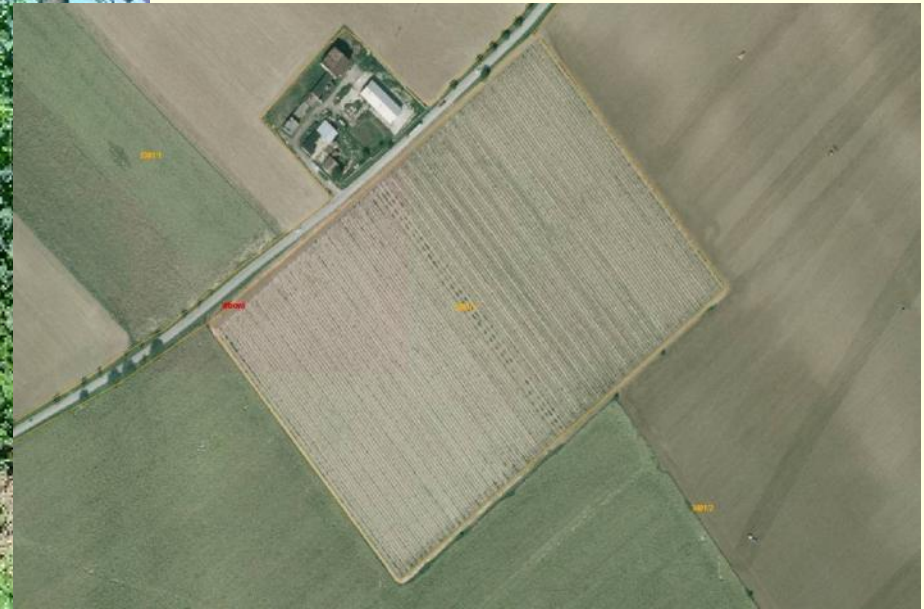
Vineyards register



- till 2004 created by ÚKSUP (Central and Testing Institute in agriculture) geodetical measurement with GPS – integrated in LPIS
- since 2004 actualisation of text parts – not integrated in LPIS
- since 2009 actualisation of geographical localisation – integrated in LPIS



Hop – gardens register



- till 2004 created by ÚKSUP (Central and Testing Institute in agriculture) geodetical measurement with GPS – integrated in LPIS
- since 2004 actualisation of text parts – not integrated in LPIS
- since 2009 actualisation of geographical localisation – integrated in LPIS



Legislative framework

- **Cross compliance** is summary appellation for **Statutory Management Requirements (SMR)** according to Article 5 and Annex II of Council Regulation (EC) No 73/2009 and standards of **Good Agricultural and Environmental Conditions (GAEC)** according to Article 6 and Annex III under the same Regulation
- Legislative basis for Cross compliance is Council Regulation (EC) No 73/2009 of 19 January, amending Regulation (EC) No 1290/2005, (EC) No 247/2006, (EC) No 378/2007 and repealing Regulation (EC) No 1782/2003



New GIS layer creation for GAEC:

➤ Retention of landscape features

- ensure a minimum level of maintenance and avoid the deterioration of habitats - don't disturb landscape features such as row of trees, windbreaks and solitary trees
- retention of landscape characteristics, including, where appropriate, hedges, ponds, ditches, trees in line, in group or isolated and field margins

➤ Terraces

- destruction of existing terraces is prohibited

➤ Buffer strips along water courses

- Protection and management of water – in the new draft of Directive – creation of buffer strips along water courses

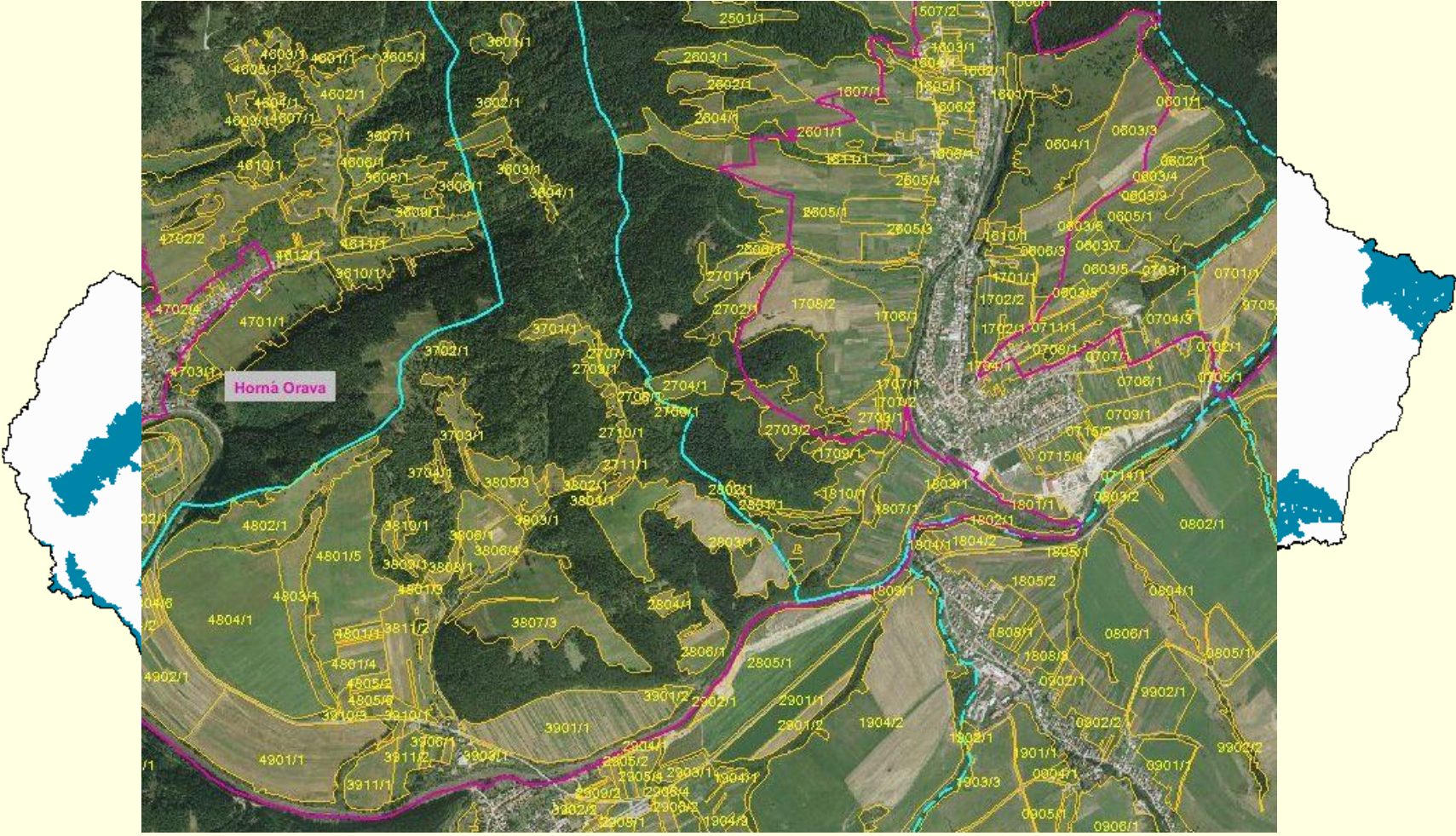


Cross Compliance and RDP Issues

-Special protection areas – SPA

(Birds directive, Natura 2000)

Soil Science and Conservation Research Institute



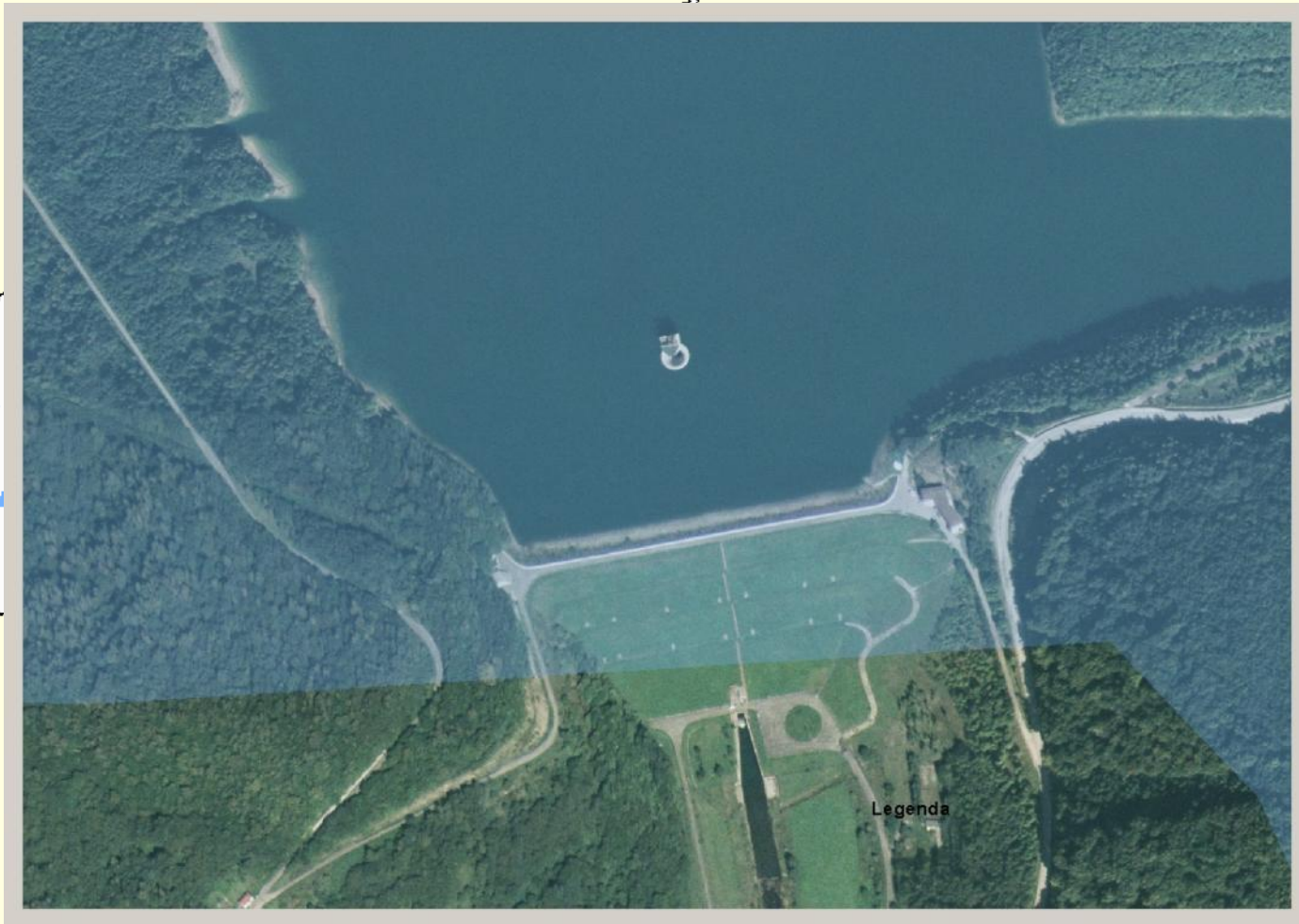
Source: National Protection of Nature

Cross Compliance and RDP Issues Special areas of conservation – habitats SACs (Natura 2000)



Cross Compliance Issues

Protective zones of water resources

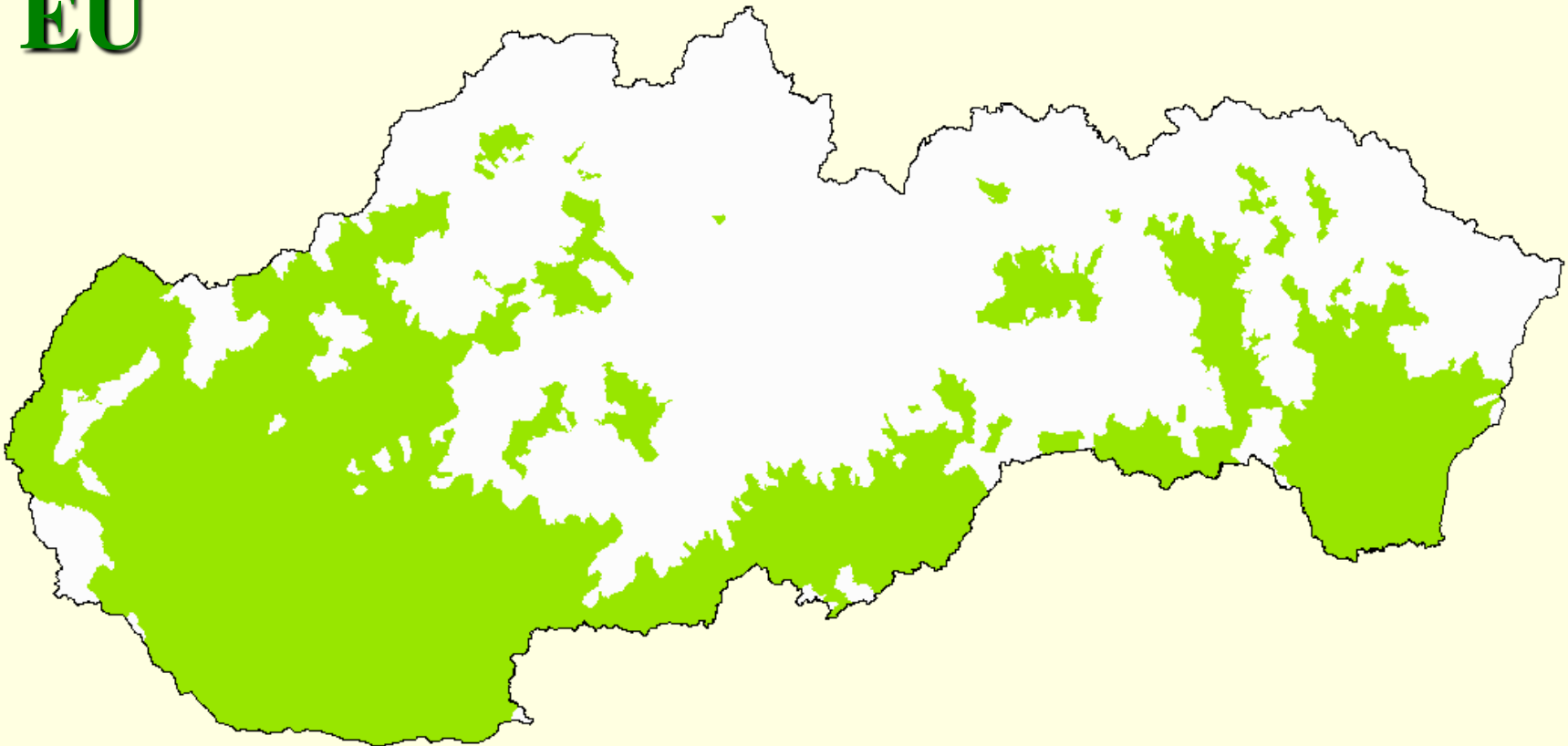


Source: Water Research Institute



Cross Compliance Issues Sensible areas of SR declared by implementation of „Nitrates directive“

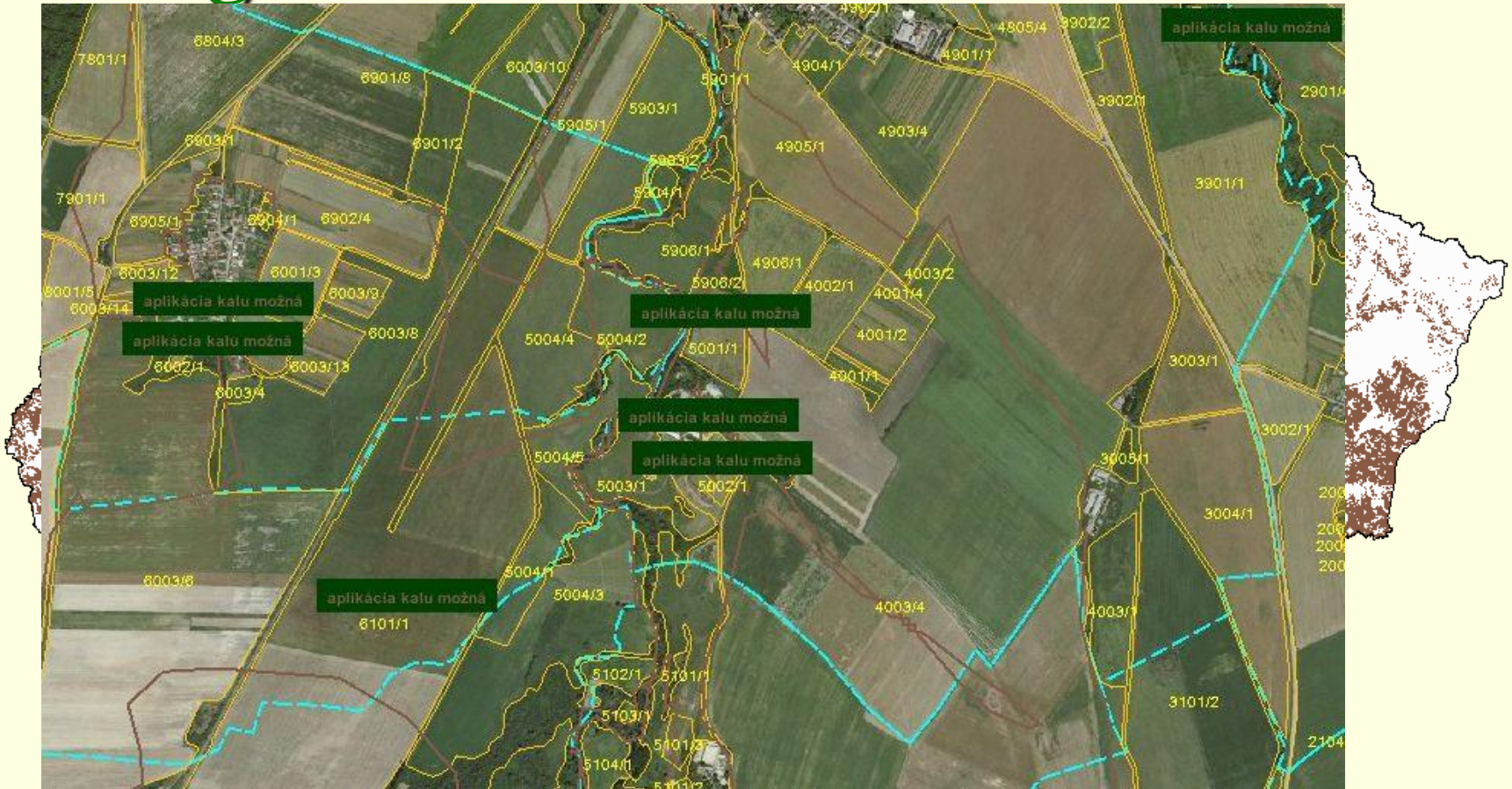
EU



- Directive 91/676/EC on the protection of waters against pollution caused by nitrates from agricultural sources
- Government regulation (26.6.2003) - selection of vulnerable areas from the point of the water source protection

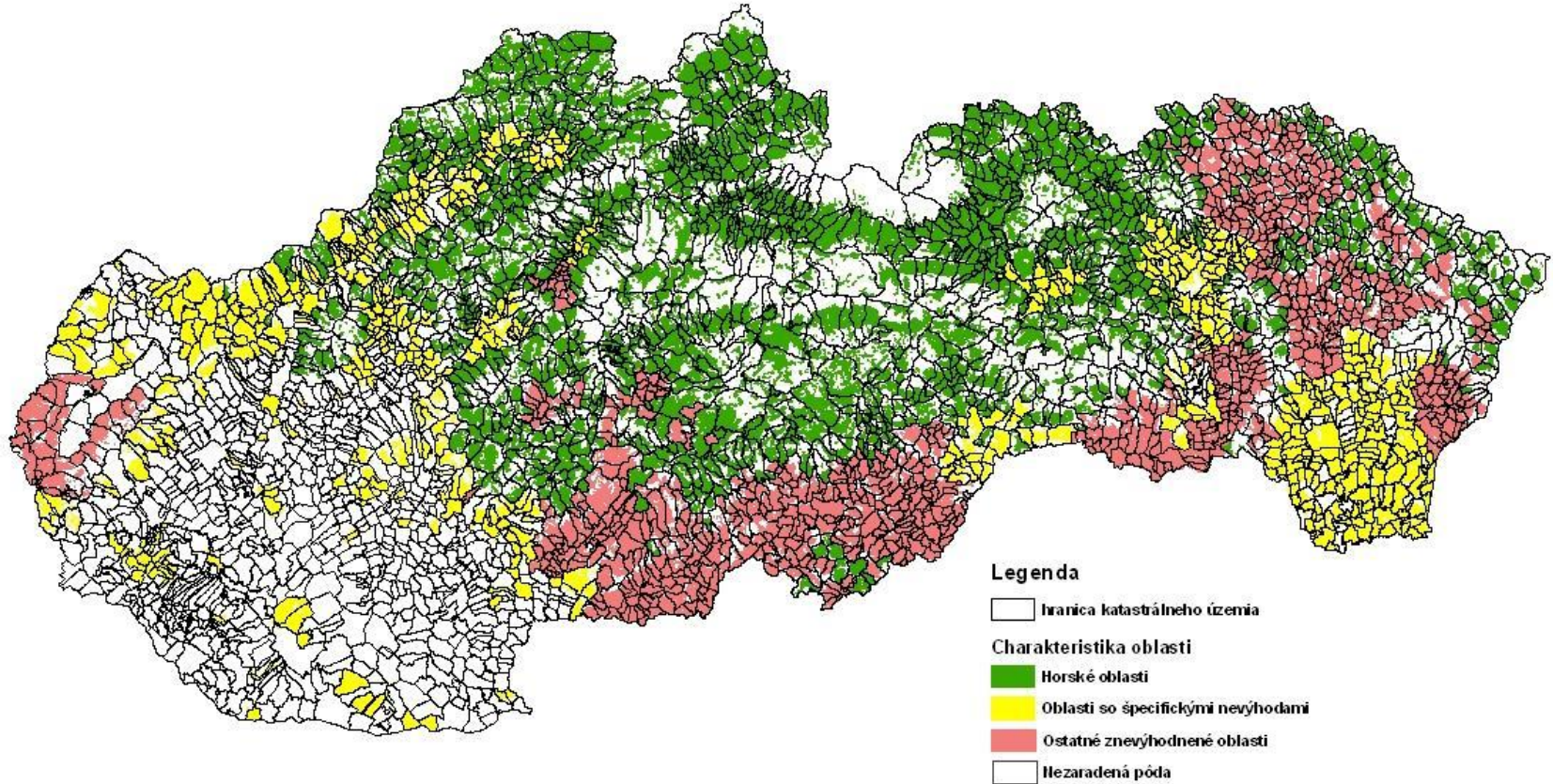


Cross Compliance Issues Sludge savage directive – application of sludge



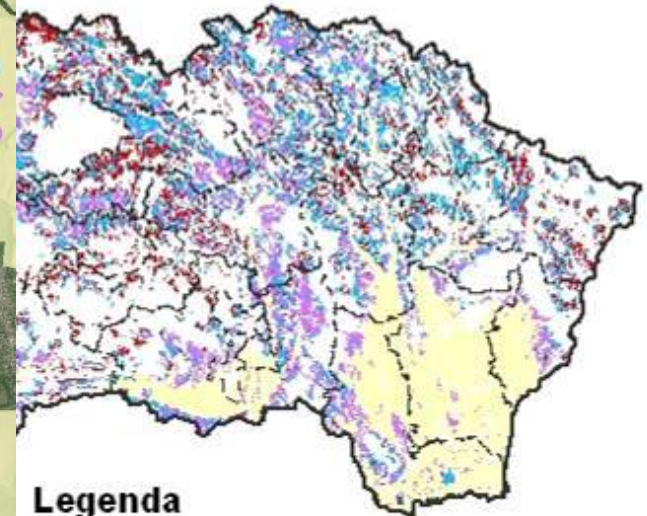
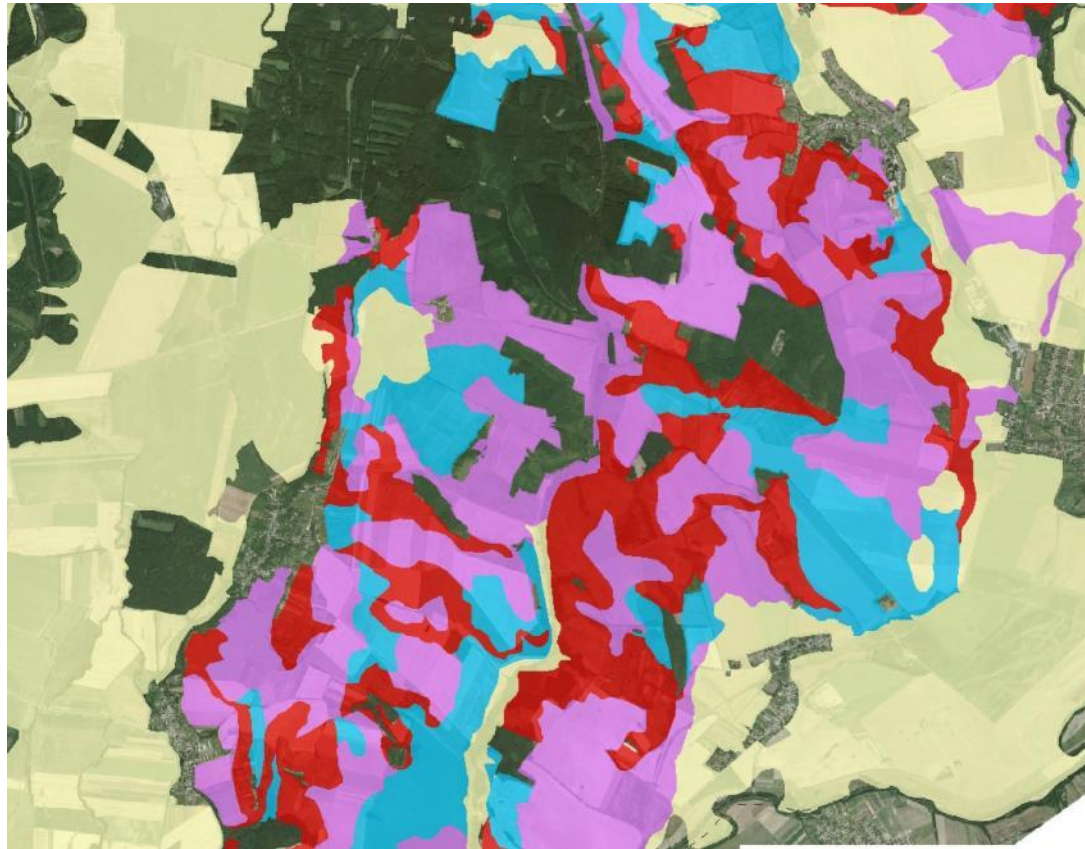
- Sludge directive – act legislative 188/2003 Z.z. about application of sewage sludge and limber sediments

RDP - Agricultural less-favoured area (LFA) of Slovakia



-Cadastral districts belonging to the selected agricultural less-favoured areas (LFA) were noted by regulation of Ministry of Agriculture MP SR number 928/1/1999-100

RDP - Potential water erosion of agricultural soils –protection against erosion on agriculture land



Legenda

— hranica okresu

vodná erózia

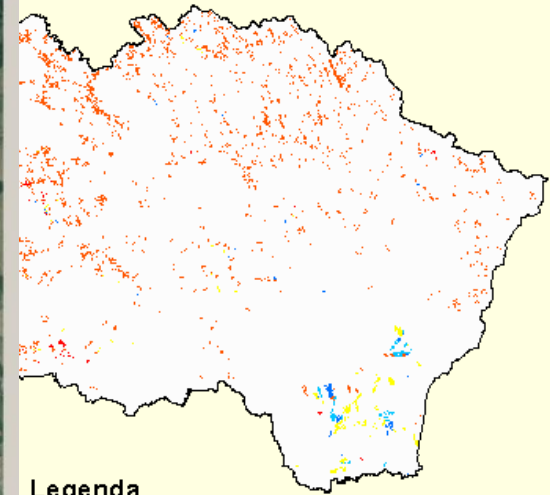
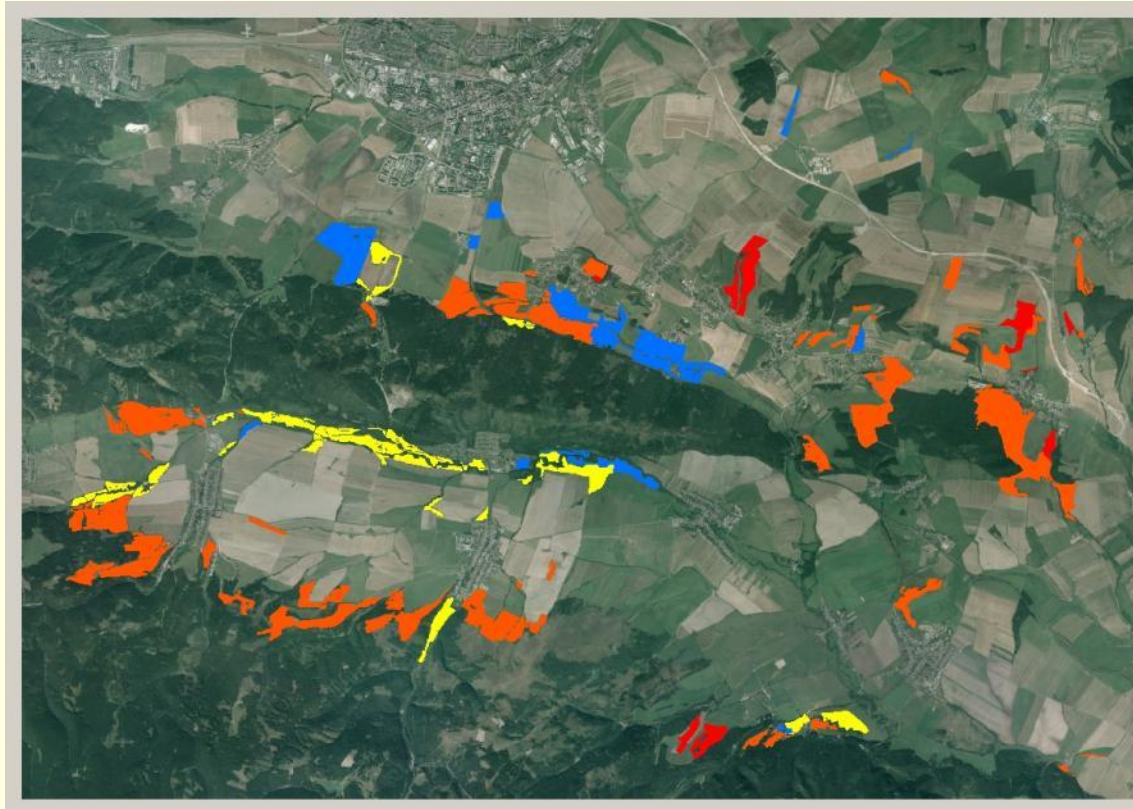
bez erózie

stredná erózia

silná erózia








extrémna erózia

RDP – Natural and Seminatural Grassland Biotopes



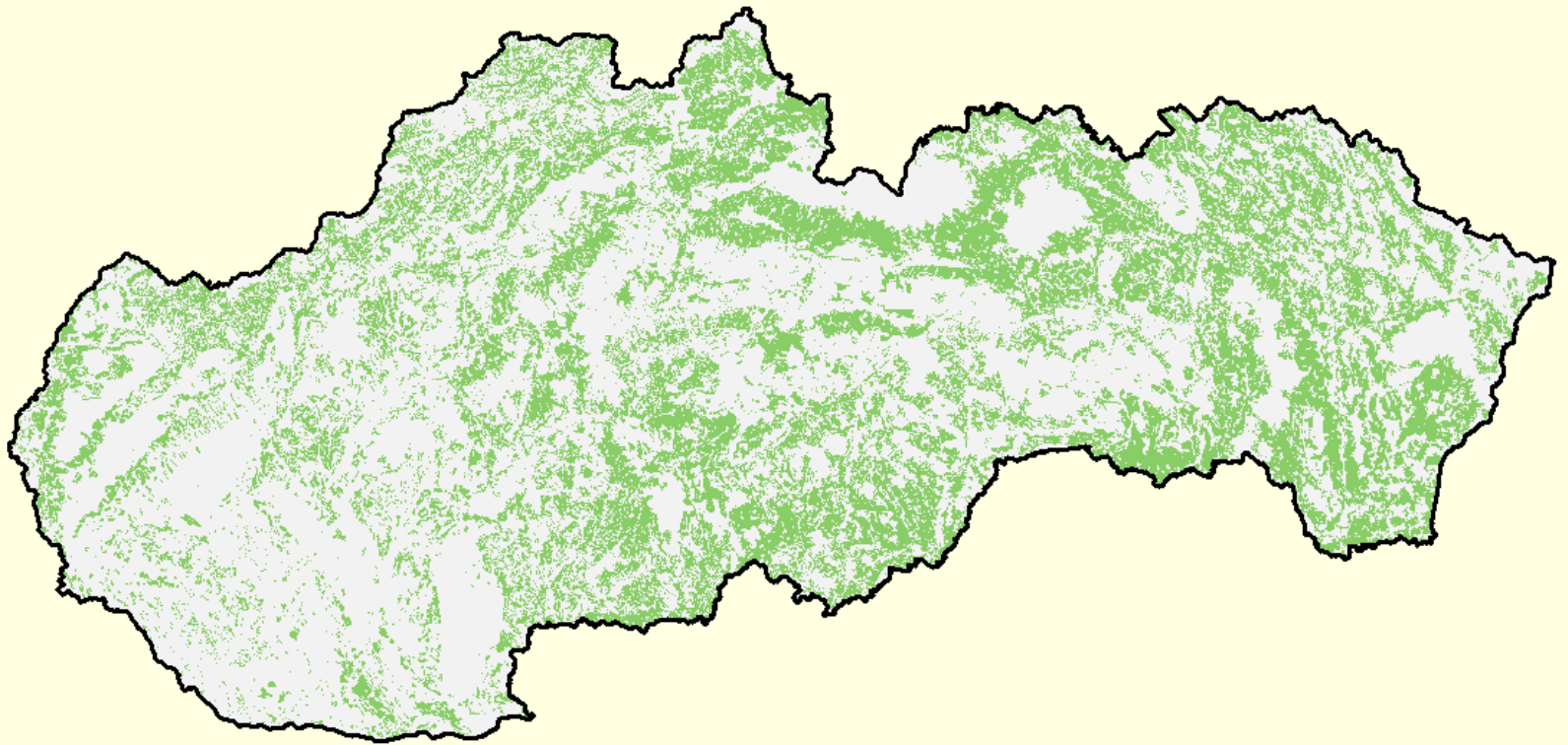
Legenda

BIOTOP

-  Biotop - A
-  Biotop - B
-  Biotop - C
-  Biotop - D
-  Biotop - E
-  Biotop - F
-  Biotop - G



RDP - Afforestation not allowed on the agricultural soils with high quality



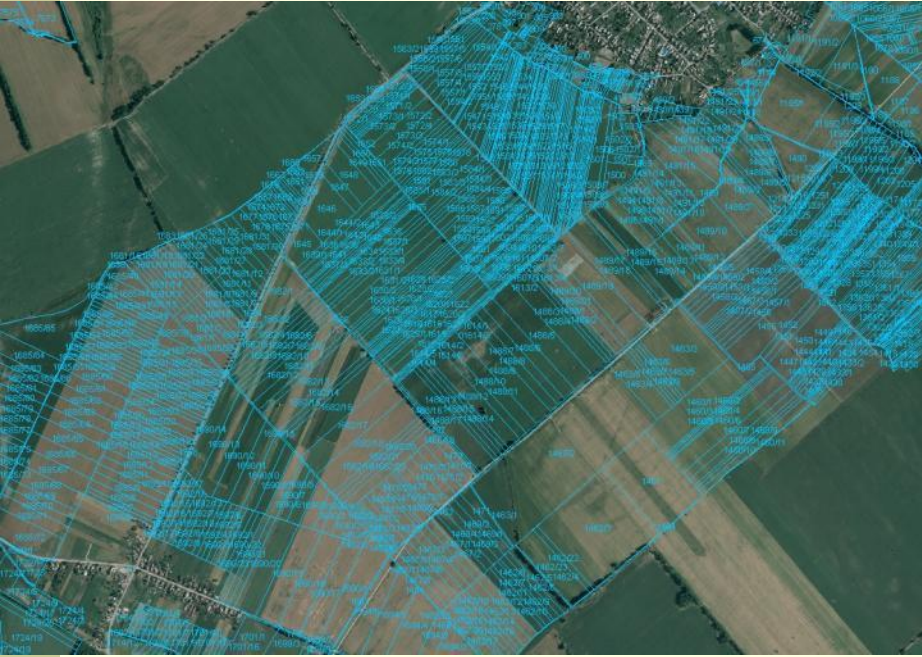
Soil Law 220/2004 about conservation and usage of agricultural land

- The unique definition and specification of abandoned land seems really very difficult by reason of several different approaches. (Agricultural, forestry, environmental point of view). It exist serious difference between agriculture land area registered in Land Parcel Identification System (agriculture land under good agriculture and environmental condition eligible for subsidies) and area of agriculture land registered by ÚGKK (juridical state).
- Soil Science and Conservation Research Institute developed digital *EXPERT SYSTEM OF ABANDONED LAND IDENTIFICATION THROUGH USER AND OWNER RELATIONSHIP*. This system was developing on the basis of Ministry of Agriculture request to identify abandoned land directly by digital geographical layers.

Users of agriculture land



Owners relationships



Identification of users and owners relationship via web portal

Register užívateľských dielov - Windows Internet Explorer

http://www.podnemapy.sk/uziv_diel/Default.aspx?LOKALITA=62&ZKODKD=3301/1&ZIADATEL=4120000964&PARCIS=13



Register užívateľských dielov

Kultúrny diel LPIS Dunajský Klátov 3301/1

Užívateľ (PPA):

ICO	REGC	NAZOV	FORMA
34122940	4120000964	Školské hospodárstvo - Búšiak, spol. s r.o.	S.R.O.

Katastrálne územie: Malé Blahovo (813834)

Operát C parc. č.: 133/0

VLA	ICO

Operát E parc. č.: 1239/0

VLA	ICO

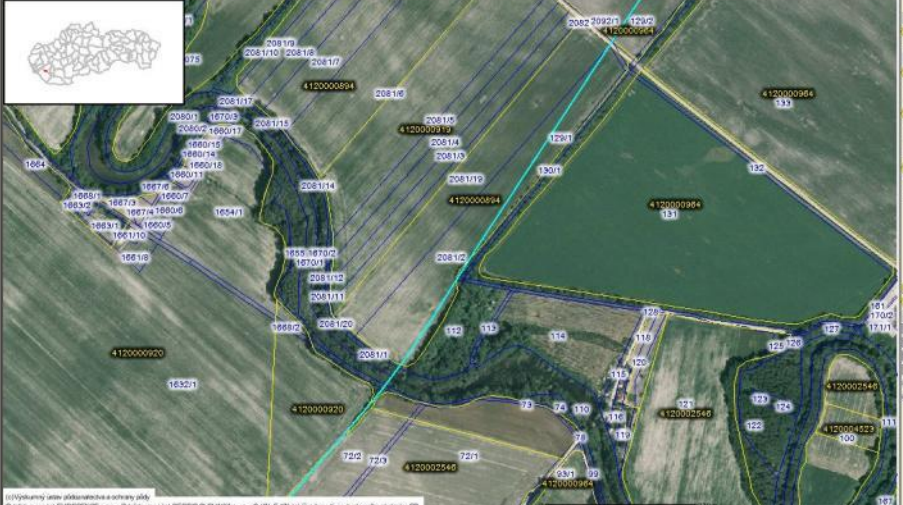
SR- Slovenský pozemkový fond, Búdková 36, Bratislava, PSČ 817 15, SR 17335345

(d) VLPOP B1 2009 SB

Info Servis VÚPOP - Register užívateľských dielov SR - Windows Internet Explorer

http://www.podnemapy.sk/uzivdiele/viewer.htm

Info Servis VÚPOP - Register užívateľských dielov SR



UDCE_08 je teraz aktívna vrstva

Posunut

Done

Internet

100%

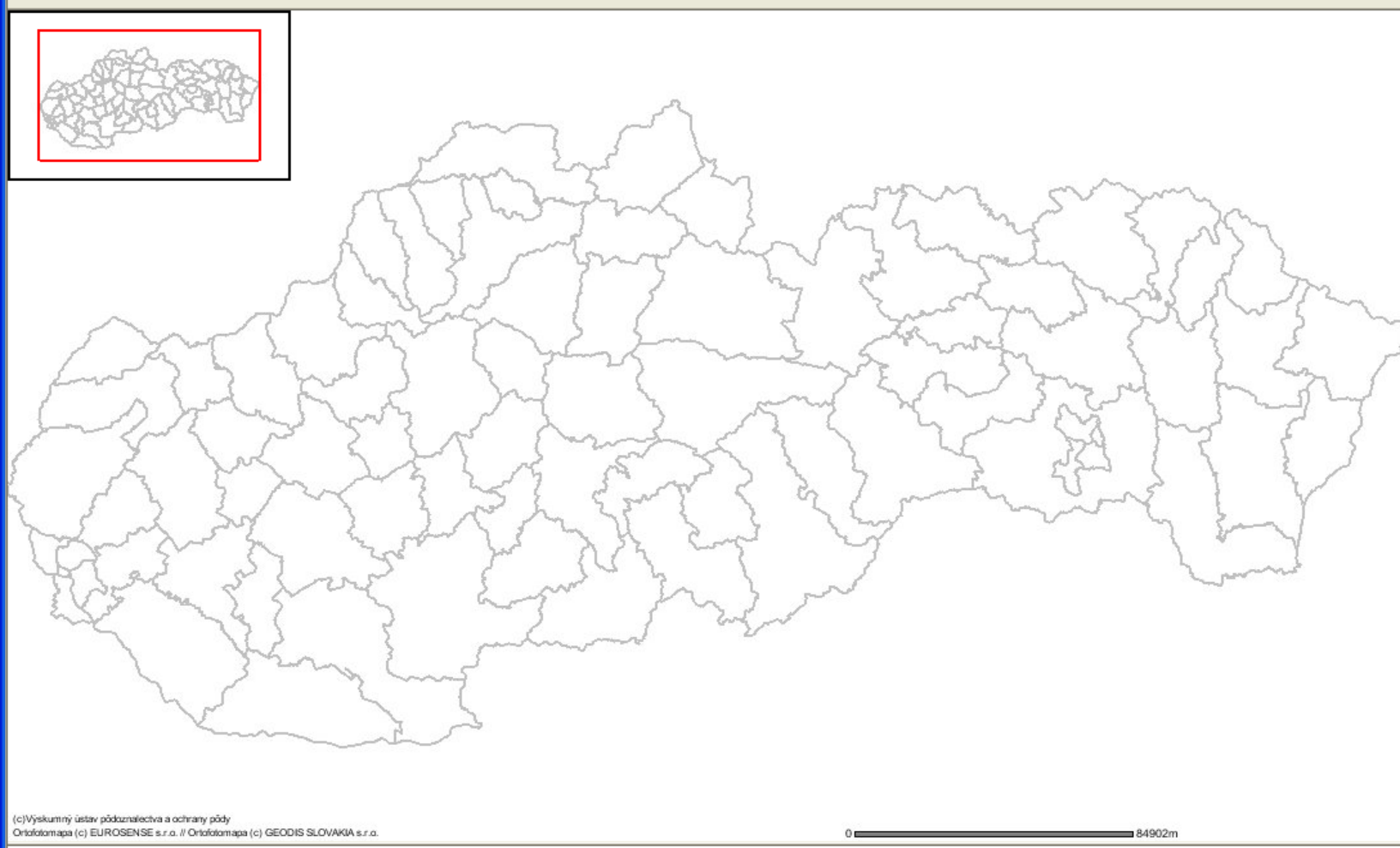
Soil portal of SSCRI

- **Web on –line information and counselling**
- **IACS/LPIS**
- **Informational GIS about soil (LEU, CSS, Monitoring of soil...)**
- **X- compliance- SMRequirements, GAECs**
- **Applications (yield estimation, fertilising N, P,K Ca, organic fertilising, erosion, compaction, energetic crops,....)**
- **Veterinary GIS (V- GIS)**

www.podnemapy.sk

www.vupop.sk





Vrstvy

Viditeľne	Aktívne	
<input type="checkbox"/>	<input type="radio"/>	Lokality
<input checked="" type="checkbox"/>	<input type="radio"/>	Okresy

[Aktualizovať mapu](#)

[Návod](#)

(c) Výskumný ústav pôdovedectva a ochrany pôdy
Ortofoto mapa (c) EUROSENSE s.r.o. // Ortofoto mapa (c) GEODIS SLOVAKIA s.r.o.

0 84902m



(c) Výskumný ústav pôdovedectva a ochrany pôdy
Ortofotomapa (c) EUROSENSE s.r.o. // Ortofotomapa (c) GEODIS SLOVAKIA s.r.o.

Vrstvy

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<input checked="" type="checkbox"/>		Ortofoto_EZ
<input checked="" type="checkbox"/>		Ortofoto_EV

Aktualizovať mapu

Návod

Soil



**is most valuable natural
resource for man**

