

**Till the end of  
april 2007**

**Assessment of availability and reliability of databases storing biodiversity data**

**Refine the boundaries of the orographical units**

**Preparation of the national list of habitats**

**Assessment of availability and reliability of data on biological aspects**

**Preparation of the national list of plant species**

**Preparation of the national list of animal species**

**Database preparation and GIS data collection logistic**

**Till the end of 2007**

**Collecting the data on the distribution of habitats according to the final list**

**Collecting the data on the distribution of plant species according to the final list**

**Collecting the data on the distribution of animal species according to the final list**

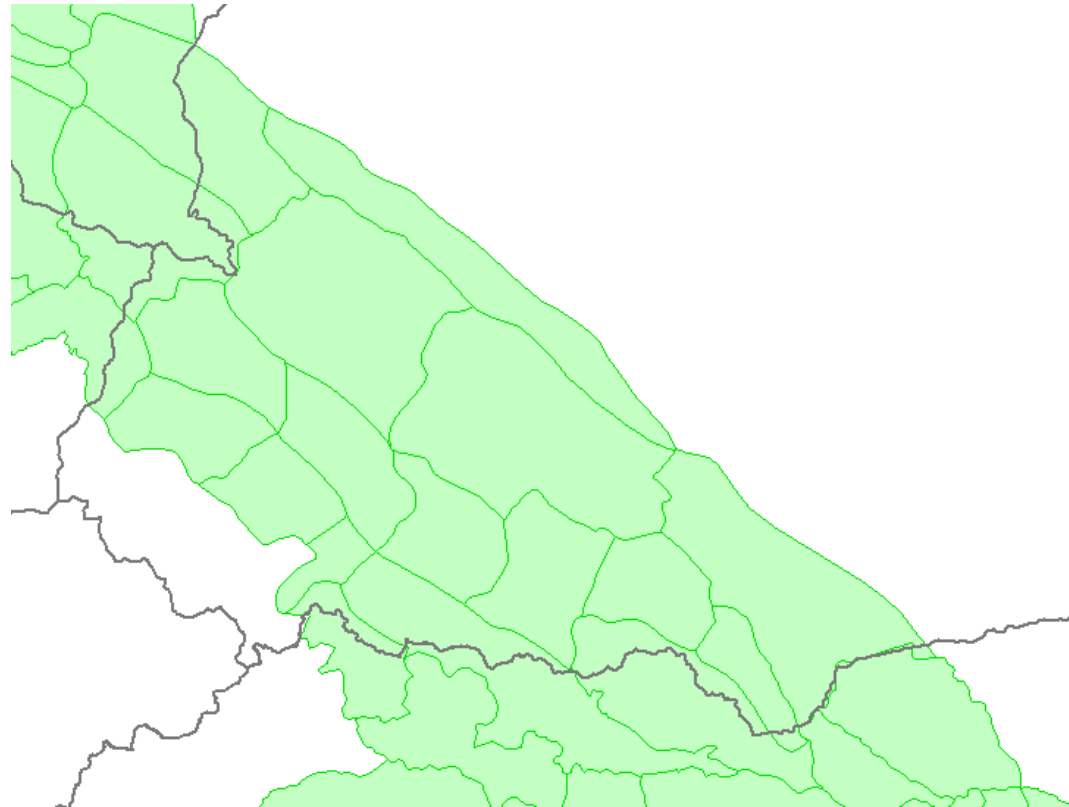
**Links between the above mentioned biodiversity component**

**Data for  
CDBC  
and EN**

**RO – border correction**

**SB – names correction**

**UA – new borders**



**We NEED data source from each country, which was used for orogs delineation**

	inRO	inSB	inUA
vegetation	23	20	17
plants	42	12	0
animals	7	52	54
water	0	28	9
abiota	0	8	14
maps + geodata	22	8	10
<b>TOTAL</b>	<b>94</b>	<b>128</b>	<b>104</b>

	inRO	inSB	inUA
existing databasess	0	7	1

	inRO	inSB	inUA
alliances	92	49	114
alliances natura	72 + (3 nodata)	26	79
alliances proposed	20	0	9
plants	311 (incl. 61 Hieracium and 33 Rubus sps)	48	124
plants natura	37	7	9
plants proposed	5	0	24 (1 existing + 5 new AnnexII)
animals	156	80 + (3 need to be checked)	112 + (27 ?) + (1 not in the Carpathians)
animals natura	104	52	89
animals focal2007	62	40	62
animals proposed	0	17	47

## **MAIN TASKs for this MEETING**

- **final list of alliances on which we will collect data (exclusion ruderal non carpathian...) and mark their status of endemism (full and partial type)**
- **final list of endemic and Annex II plants on which we will collect data (not "official" list of endemic plants) – exclusion of ruderal and doubtful taxa**
- **final list of animals and Annex II on which we will collect data**

- **understanding of following data gathering**
  - \* **occurrences in orographic units**
  - \* **more precise GIS localisation for priority species and alliances**

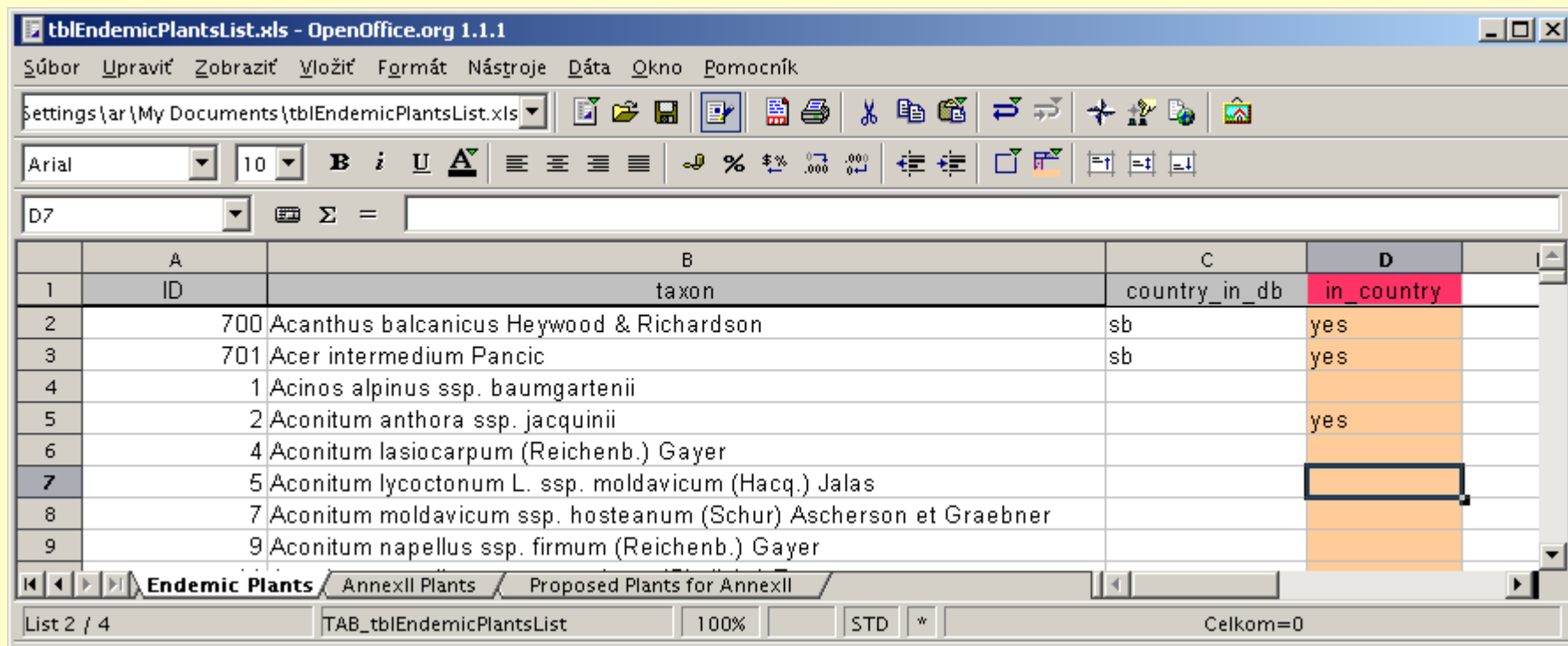
- **get missing data**
  - \* **data source from each country, which was used for orographic units delineation**
  - \* **missing tables – RO databases, UA vegetation**

## Preparation of the national list of plant species

515 endemic plants (74 Hieracium, 86 Alchemilla and 36 Rubus species can be excluded)  
450 Annex II plant species

### YOU WILL HAVE TO:

- check the presence of edemic plants
- check the presence of Annex II plants species
- add new taxa which are important for the Carpathians ("proposal for Annex II addition")



The screenshot shows a spreadsheet application window titled "tblEndemicPlantsList.xls - OpenOffice.org 1.1.1". The spreadsheet contains a table with the following data:

	A	B	C	D
1	ID	taxon	country_in_db	in_country
2	700	Acanthus balcanicus Heywood & Richardson	sb	yes
3	701	Acer intermedium Pancic	sb	yes
4	1	Acinos alpinus ssp. baumgartenii		
5	2	Aconitum anthora ssp. jacquinii		yes
6	4	Aconitum lasiocarpum (Reichenb.) Gayer		
7	5	Aconitum lycoctonum L. ssp. moldavicum (Hacq.) Jalas		
8	7	Aconitum moldavicum ssp. hosteanum (Schur) Ascherson et Graebner		
9	9	Aconitum napellus ssp. firmum (Reichenb.) Gayer		

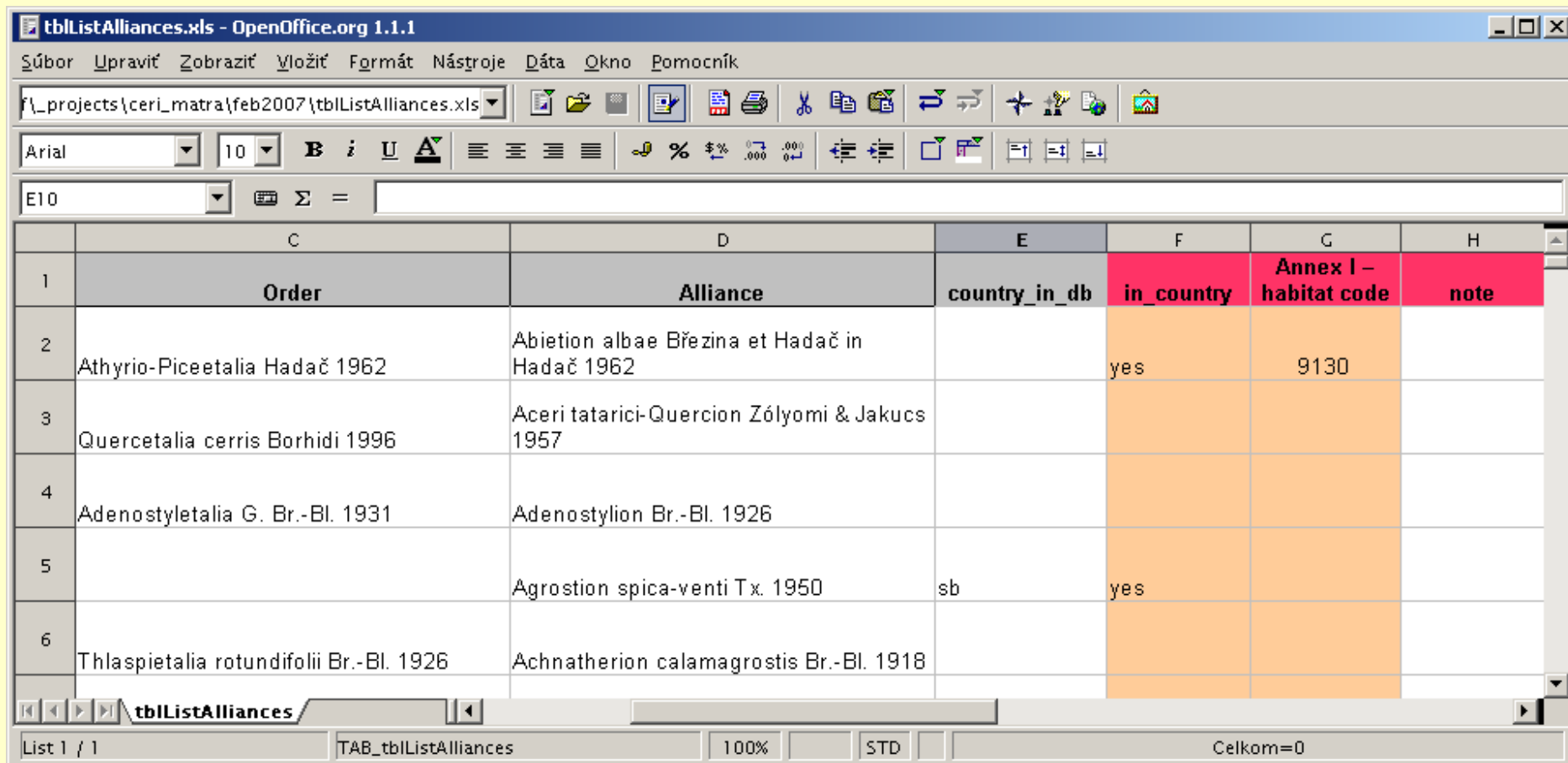
The spreadsheet interface includes a menu bar (Súbor, Upraviť, Zobrazit', Vložit', Formát, Nástroje, Dáta, Okno, Pomocník), a toolbar, and a status bar at the bottom showing "List 2 / 4", "TAB\_tblEndemicPlantsList", "100%", "STD", "\*", and "Celkom=0".

# Preparation of the national list of habitats

150 alliances represented carpathian habitats

## YOU WILL HAVE TO:

- check the presence of alliances
- make link to Annex I habitats



The screenshot shows a spreadsheet window titled 'tblListAlliances.xls - OpenOffice.org 1.1.1'. The spreadsheet contains a table with 6 columns: Order, Alliance, country\_in\_db, in\_country, Annex I - habitat code, and note. The 'in\_country' and 'Annex I - habitat code' columns are highlighted in orange. The data rows are as follows:

Order	Alliance	country_in_db	in_country	Annex I - habitat code	note
2	Athyrio-Piceetalia Hadač 1962	Abietion albae Březina et Hadač in Hadač 1962	yes	9130	
3	Quercetalia cerris Borhidi 1996	Aceri tatarici-Quercion Zólyomi & Jakucs 1957			
4	Adenostyletalia G. Br.-Bl. 1931	Adenostylon Br.-Bl. 1926			
5		Agrostion spica-venti Tx. 1950	sb	yes	
6	Thlaspietalia rotundifolii Br.-Bl. 1926	Achnatherion calamagrostis Br.-Bl. 1918			

## Preparation of the national list of animal species

51 focal animal species + 21 additional „focal“ species  
300 Annex II animal species (Habitat Directive ONLY!!!)

### YOU WILL HAVE TO:

- check the presence of focal animal species
- check the presence of Annex II animal species
- add new taxa which are important for the Carpathians ("proposal for Annex II addition")

	A	B	C	D	E	F	
1	id	group	taxon	contry_in_db	in_country		
2	1	AMPHIBIANS	Bombina variegata				
3	2	AMPHIBIANS	Hyla arborea				
4	3	AMPHIBIANS	Rana arvalis				
5	4	AMPHIBIANS	Triturus montandonii				
6	5	REPTILES	Elaphe longissima				
7	6	REPTILES	Lacerta viridis				
8	7	REPTILES	Vipera ammodytes				
9	8	BIRDS	Aquila heliaca				
10	9	BIRDS	Aquila pomarina				

◀ ◁ ▷ ▶ \ Focal Animals / AnnexII Animals / Proposed Animals for AnnexII /

Připraven

# Collecting the data on the distribution of habitats/species according to the final list

**EACH COUNTRY WILL GET** database for filling data on presence of habs/specs in orographicicl units

**Alliances in Orographic Units**

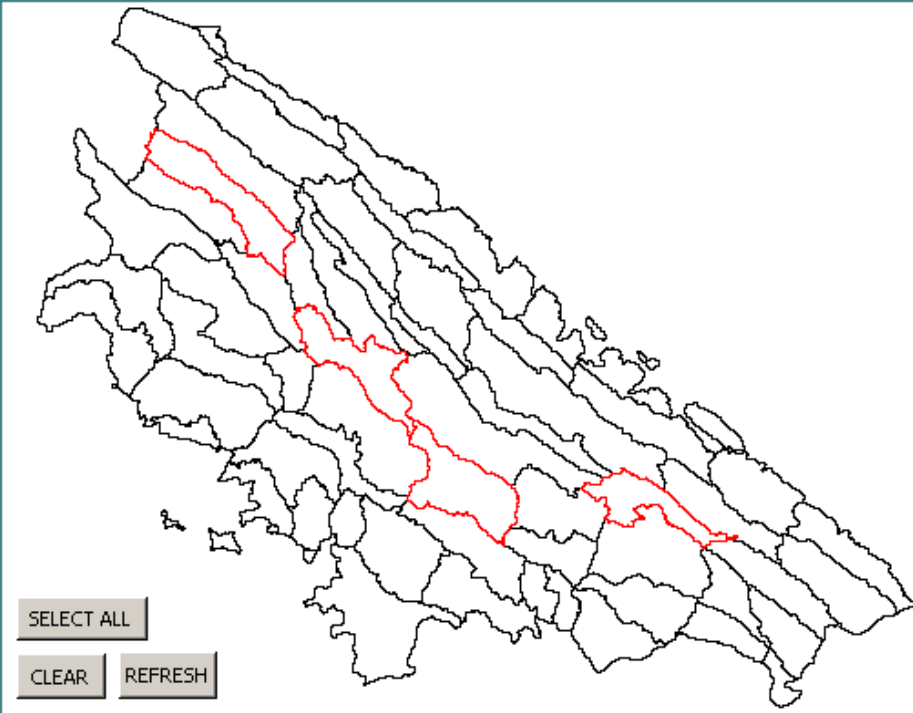
Alliance:  Order:  Class:

**Orographic Units of the alliance**

- ▶ Latoryts'ko-Riks'ka Verkhovyna
- Polonyna Krasna
- S'ans'ka Verkhovyna
- Vorokhtyans'ka Verkhovyna
- \*

**Choose orographic unit/s by mose, in a list box or in a map, and click [Add] or [Del] (for multiselection use Ctrl key)**

- Berehiv's'ke vulkanichne horbohira
- Bukovyn's'ke nyz'kohirya
- Bukovyn's'ke serednyohirya
- Bystryts'ke gorgans'ke krayove nuz'kohirya
- Dnisters'ka Verkhovyna
- Dovzhans'ka Verkhovyna
- Horoholyn's'ke (Hvizdz'ke) ostrivne nyz'kohirya
- Irshavs'ke vulkanichno-aluvialne peredhirya
- Khusts'ka ulohovyna
- Klevs'ke (Maydans'ke) ostrivne nyz'kohirya
- Kosyniv's'ke vulkanichne horbohira
- Krayove nuz'kohirya Dnisters'kykh Beskydiv
- Krayove nyz'kohirya Vihors'kykh Beskydiv
- Krystalichne vysokohirya Popa Ivana
- Laborets'-Uzhans'ke nyz'kohirya
- Latoryts'ko-Borzhavs'ke vulkanichno-aluvialne
- Latoryts'ko-Riks'ka Verkhovyna**
- Latoryts'ko-Riks'ke nyz'kohirya
- Limnyts'ke gorgans'ke krayove nyz'kohirya
- Mizuns'ka Verkhovyna
- Muntii Maramuresului
- Nuz'kohirni Oriys'ki Beskydy
- Nuz'kohirni Vihors'ki Beskydy
- Nyz'kohirni Dnisters'ki Beskydy
- Nyz'kohirni Skhidnyts'ko-Mizuns'ki Beskydy
- Nyz'kohirya Shopurky
- Ostrivne nuz'kohirya Slobody Runhurs'koyi
- Parashkiv's'ki Beskydy
- Pokuts'ke nyz'kohirya
- Pokuts'ke serednyohirya
- Polonyna Borzhava
- Polonyna Bukovets'
- Polonyna Krasna**
- Polonyna Ravky



**Afinity of the alliance to LandCover units and altitude**

urban areas	<input type="text"/>	wetlands	<input type="text"/>	minimal altitude
agricultural areas	<input type="text"/>	deciduous forests	<input type="text"/>	<input type="text"/>
grasslands	<input type="text"/>	coniferous forests	<input type="text"/>	maximal altitude
water bodies	<input type="text"/>	mixed forests	<input type="text"/>	<input type="text"/>
barren land	<input type="text"/>	succession areas	<input type="text"/>	<input type="text"/>

Record:  of 148

# Collecting the data on the distribution of habitats/species according to the final list

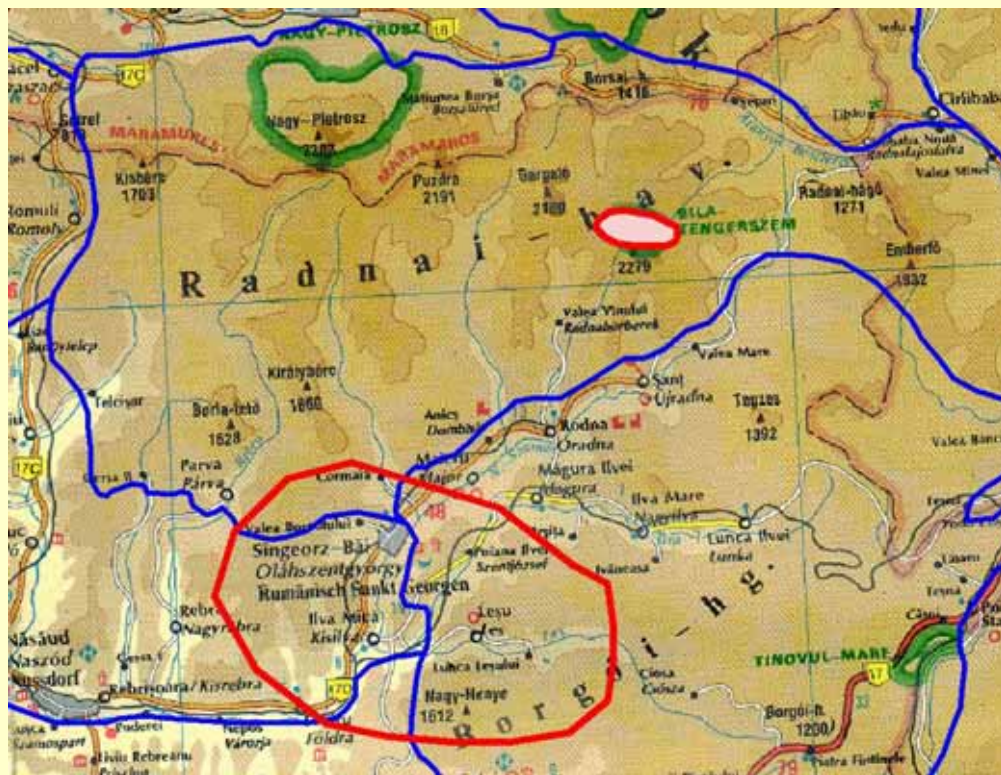
## YOU WILL HAVE TO

- fulfill data on presence of **each habitat/species** from national lists in orographical units (in database)
- prepare more precise data (polygons) for **each PRIORITY habitat/species**.

**At least one more (better the best) precise locality per each orographical unit occupied by priority habitat or species!!!** (in gis system in scale at least 1:200000)

### Rules for gis layer preparation:

1. shape file format
  - one taxon = one layer
  - layer name = state abbreviation+“\_“+ taxon\_name (e.g. ua\_canis\_lupus.shp)



# Links between the biodiversity components (species/habitats and CLC units)

## YOU WILL HAVE TO

- make a affinity between **each species/habitats** and CORINE LandCover units by numerical classification (0-no, 1-week, 2-medium, 3-strong affinity) - in spreadsheet
- make a link to altitude (in spreadsheet)

	A	B	C	D	E	F	G	H	I	J	K
1		Coniferous Forests	Mixed Forests	Deciduous Forests	Succession Areas	Grasslands	Wetlands	Water Bodies	Baren Lands	Agricultural Areas	Urban Areas
2	Canis lupus	3	3	3	2	2	1	0	1	1	0
3	Ursus arctos	3	3	3	3	2	1	0	0	0	0
4	Lutra lutra	2	2	2	2	2	3	3	0	0	0
5	Felis sylvestris										
6	Lynx lynx										

