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## TAIEX-ECRAN Sub-Regional Workshop on Appropriate Assessment on Serbian Pilot Sites (Natura 2000)

**Workshop I:** Screening (Stage I of Appropriate Assessment)

**Topic:** Data needed for AA (*both on project and the sites*)

Novi Sad, Autonomous Province of Vojvodina, Republic of Serbia 24 – 26 September 2014



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A project implemented by Human Dynamics Consortium

### Approach

- What type of data do we need for appropriate assessment?
- How old data are acceptable?
- Is it necessary to organize extensive or focused research on the site?
- Where could we obtain appropriate data?
- Role of databases.
- Essential and non-essential data



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## What type of data do we need for appropriate assessment?

- Reliable data concerning assessed project
- Data concerning target features
  - Habitats
  - Species
- Data concerning other projects likely to affect assessed site(s) (cumulative effects)



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## Reliable data concerning assessed project

### Data concerning possible impacts

- during construction
- during operation
- during dismantling (at temporary constructions)



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## How old data are acceptable?

- Actual data to learn status of target features likely to be affected
- Older data (if available) to learn trends of target features likely to be affected



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## Is it necessary to organize extensive or focused research on the site? Pros and cons.

- Extensive research could bring comprehensive data about ecological linkages in the ecosystems
  - Extensive research could bring plenty of data but sometimes without benefit for appropriate assessment
  - Extensive research is expensive and time-consuming
- More efficient is the research focused on target features only



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## Where could we obtain appropriate data?

- From focused field research (the best option)
- From local biologists, E-NGOs (good knowledge of the site *versus* questionable value of data)
- From publications (could be too old or focused on other targets)
- From databases, if available (see the following slides)



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## Role of databases

### Pros

- Long term gathering of data – trends
- Non-published data are not lost

### Cons

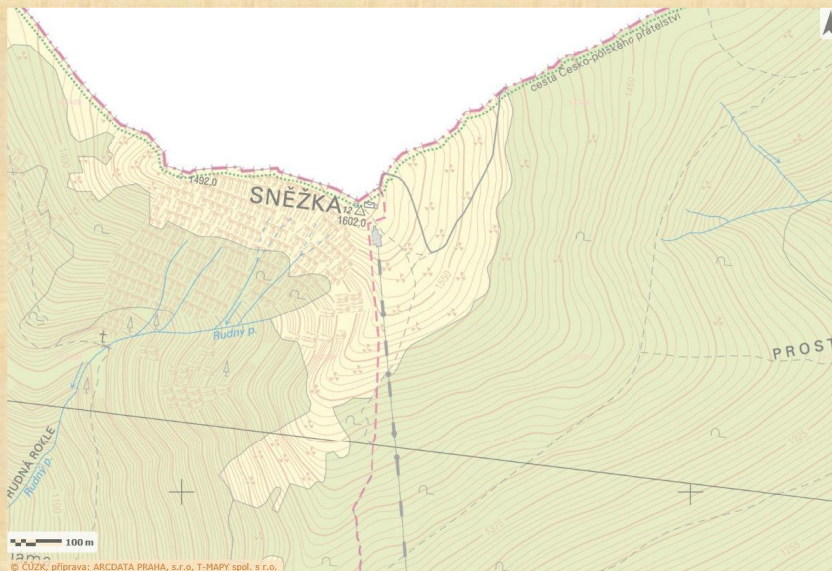
- Good databases tempt to avoid field research



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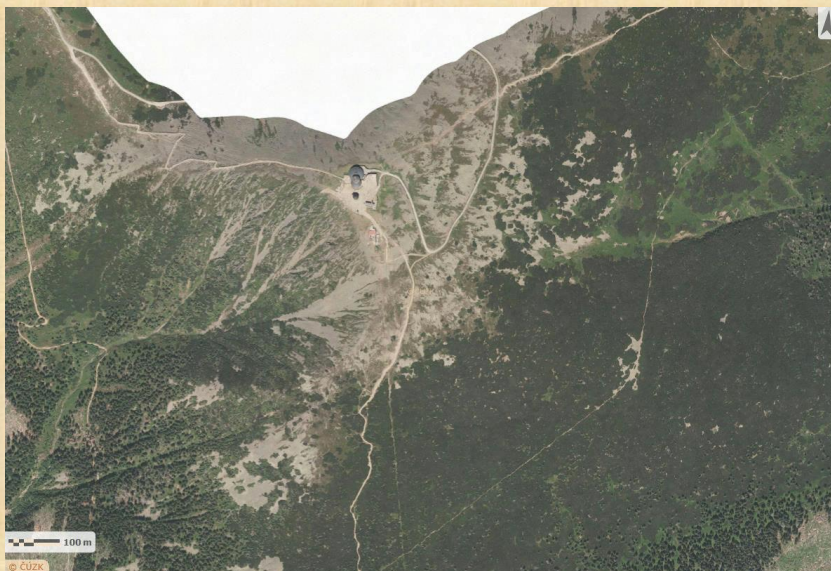
## Role of databases – maps (example – Sněžka Mountain)



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## Role of databases – maps (example – Sněžka Mountain)

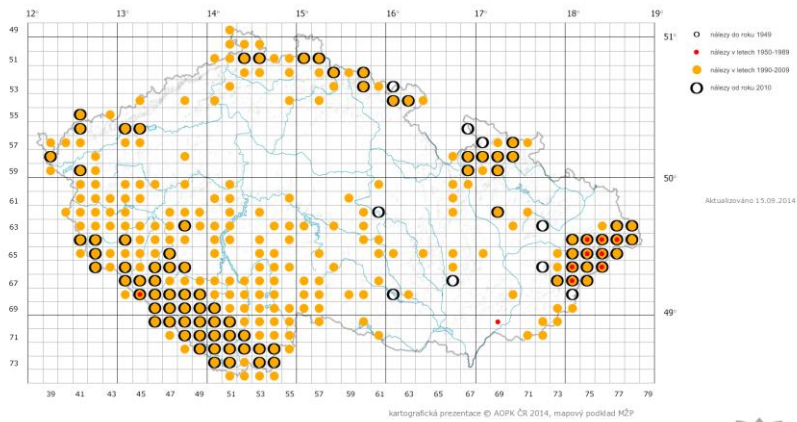


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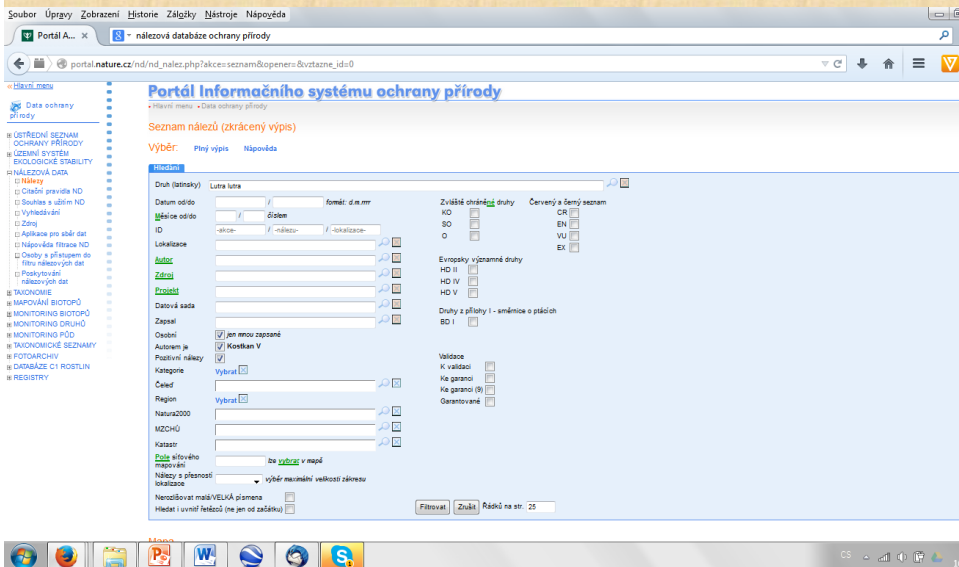
## Role of databases – species (examples)



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## Role of databases – species (examples)



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## Role of databases – species (examples)

Soubor Úpravy Zobrazení Historie Záložky Nástroje Náhledy

Portal A... x nálezořová databáze ochrany přírody

portal.nature.cz/nd/nd\_nalez.php?akce=seznam&open=Bovtazne\_id=0

**Zobrazit výhledový mapování**  **libe výhled v mapě**

Názvy a přesnosti  **výběr nálezů velikosti záznamu**

Nerostovat malá/VELKÁ písmena ☐

Hledat i uvnitř řádků (ne jen od začátku) ☐

**Filtrovat** **Zobrazit** **Řádků na str. 25**

**Mapa**

Zobrazit mapu výsledků hledání v novém okně.

Zobrazit výhledovou mapu výsledků hledání v novém okně.

**Výsledky hledání** **Sumarizace nálezů dle druhu** **Sumarizace nálezů dle regionu**

Id	Mapa	Edit	ID	Druh	Autor	Ekonom. účel	Datum do	Lokalizace	Paše STMBP	Výhodnost
1	Karta	Mapa	20004308	Lutra lutra	Kozkan Vlastimil	20.11.2012	20.11.2012	Košáňany	0409	0
2	Karta	Mapa	20004309	Lutra lutra	Kozkan Vlastimil	20.11.2012	20.11.2012	Holice v Olomouci	0409	0
3	Karta	Mapa	23402749	Lutra lutra	Pašer David	1.6.2011	31.6.2011	Osava - Čuňov	0603	0
4	Karta	Mapa	23308521	Lutra lutra	Kozkan Vlastimil	17.3.2012	17.3.2012	Horka nad Moravou	0509	1
5	Karta	Mapa	23308520	Lutra lutra	Kozkan Vlastimil	16.3.2012	16.3.2012	Mělník	0670	1
6	Karta	Mapa	23308519	Lutra lutra	Kozkan Vlastimil	16.3.2012	16.3.2012	Mělník	0670	1
7	Karta	Mapa	23308517	Lutra lutra	Kozkan Vlastimil	16.1.2012	16.1.2012	Dobruška nad Moravou	0207	1

Zobrazit 1 - 7 záznam ze 7 (Vše 14 305 594)

Strana 1 z výsledků: 1. Vše

Export: Stránka / Vše

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## Role of databases - species (examples)

Soubor Úpravy Zobrazení Historie Záložky Nástroje Náhledy

Portal A... x Lutra L... x nálezořová databáze ochrany přírody

portal.nature.cz/publik\_syst/nd\_nalez-public.php?idTaxonu=34358

Karta druhu | Hledat v ND OP | Přidat náleží | Tisk | Uložit PDF | Zaslát komentář | Jiný druh (taxon) Lutra lutra **Vyhledat** © AOPK ČR 20

# Druh: **Lutra lutra** **Umasus** 1758) - vydra říční

# Taxonomická zařazení: Říše Animalia / kmen Chordata / třída Mammalia / řád Carnivora / čeleď Mustelidae

# Ochrana: **Anders** **Geisler** J. (2012): Savci České republiky – popis, rozšíření, ecologie, ochrana. **Academia**. Praha. 285 pp.

# Zařazení ochrany: Kategorie zárodní ochrany: **Středně ohrožený**  
Červený seznam ČR | VU  
Evropská příloha II (habitat) **Příloha II a IV**  
Evropská úmluva | příloha II

# Výskyt druhu Lutra lutra v jednotlivých periodách podle záznamů v ND OP (nastavení mapy) >>

Výskyt druhu Lutra lutra podle záznamů v ND OP

fotarchiv.nature.cz/showImage.php?image=10170\_10182.jpg&photoType=959d6426733116602fcd9b67d5f1



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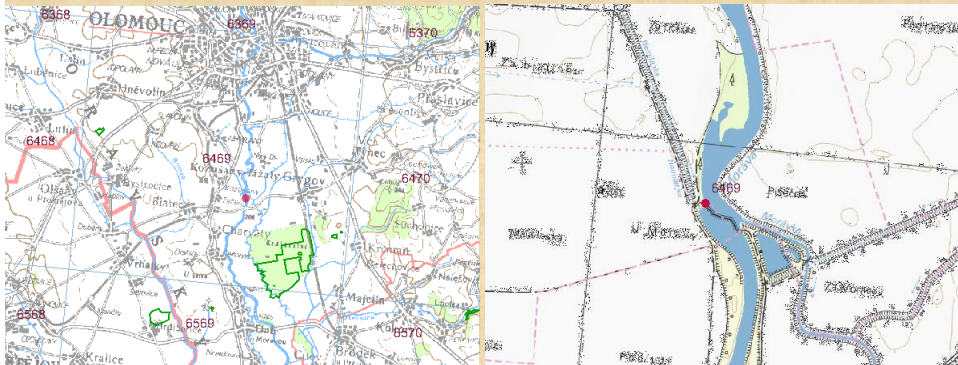
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## Role of databases - species (examples)



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## Essential and non-essential data

### Essential

- Area of habitats – target features
- Density of populations – target features
- Ecological relations of target features

### Non-essential

- Comprehensive information about biodiversity
- Information about other species from Red lists, endemic species, protected species on national level



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## Essential and non-essential data (Rusanda reserve example)

- 21 habitat types from Annex I of the Habitats Directive
- 15 priority habitat types
- 10 rare and endangered habitats
- 6 typical and representative habitat types according to Serbian national classification from #1530 - Pannonic salt steppes and salt marshes (priority habitat type)
- 211 bird species recorded since 1950
  - o 171 (nationally) protected bird species
  - o 82 nesting bird species
  - o important staging post along bird migration route



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## Essential and non-essential data (Rusanda reserve example)

### Target features of Rusanda Nature Park

English name	Scientific name	
<b>Birds</b>		
Black-winged stilt, common stilt,	<i>Himantopus himantopus</i>	nesting
Common crane	<i>Grus grus</i>	migrating
Eurasian bittern, great bittern	<i>Botaurus stellaris</i>	nesting
Pied avocet	<i>Recurvirostra avosetta</i>	nesting
Red-footed falcon	<i>Falco vespertinus</i>	nesting
<b>Species (Animals)</b>		
European ground squirrel	<i>Spermophilus citellus</i>	
European fire-bellied toad	<i>Bombina bombina</i>	
<b>Species (Plants)</b>		
	<i>Bassia sedoides</i>	
Glasswort	<i>Salicornia europaea</i>	
	<i>Scorsonera parviflora</i>	
<b>Habitat n.</b>		
1530	*Pannonic salt steppes and salt marshes	

The sign \*\* indicates priority habitat types



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## Essential and non-essential data (Standard Data Form - SDF)

- SDF contains basic description of the site, information could be too old for AA
- SDF does not show distribution of habitats needed for AA
- Site assessment (A/B/C) of the habitats and species: serves as qualitative ranking of sites, cannot be used for AA
- Data from SDF are not much useful for Appropriate Assessment → need for additional data



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