

# **BOBROVA VRNITEV**

A beaver is shown swimming in a body of water. The beaver is facing left and has a piece of wood or bark in its mouth. The water is dark and reflects the beaver. The background is a light blue gradient.

**Boris Kryštufek**

**Kustodiat za vretenčarje**



UN WATER

Svetovni dan voda

2013

Mednarodno leto  
sodelovanja na  
področju voda

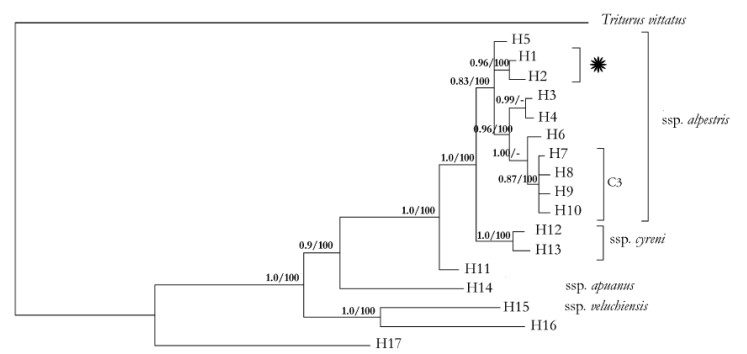
The graphic on the right is a promotional logo for the 2013 International Year of Water Cooperation. It features the text 'UN WATER' at the top in a blue, sans-serif font. Below it, 'Svetovni dan voda' is written in a colorful, rounded font. The year '2013' is rendered in large, stylized digits with various patterns and colors: '2' is purple with a geometric pattern, '0' is brown with a grid pattern, '1' is blue with a wavy pattern, and '3' is orange with a geometric pattern. A blue wavy line arches over the year. At the bottom, the Slovenian text 'Mednarodno leto sodelovanja na področju voda' is written in a colorful, rounded font.









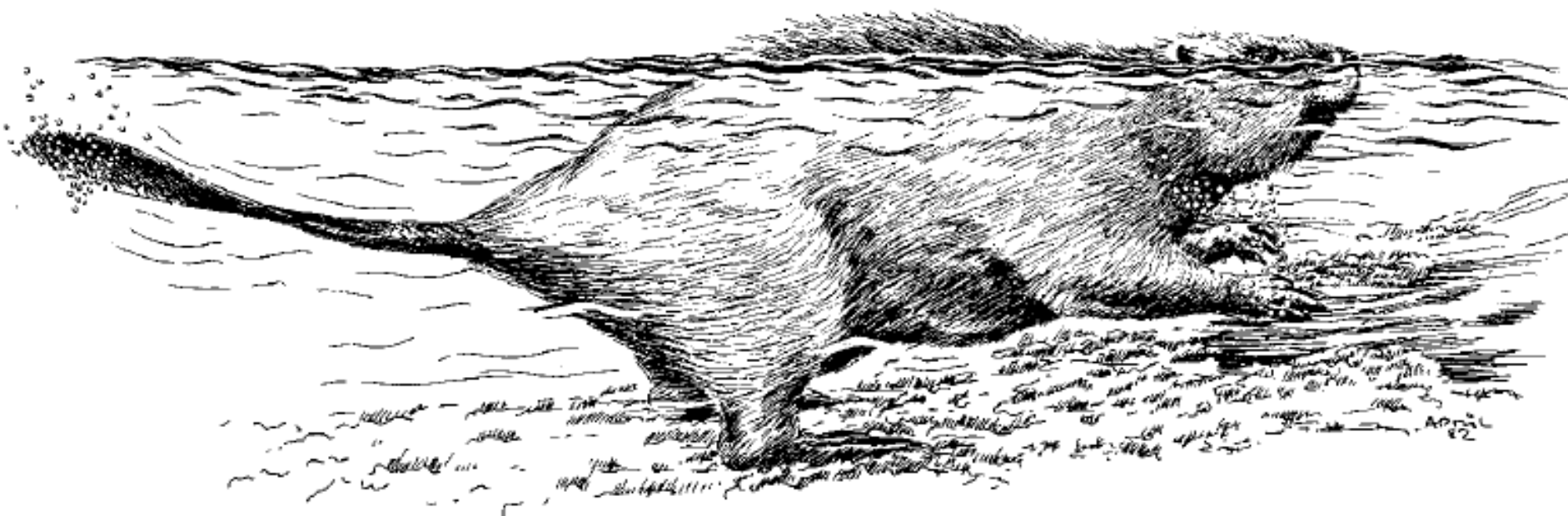


Amphibia-Reptilia 32 (2011): 435-440

Mitochondrial sequences do not support the independent taxonomic position of the extinct Alpine newt subspecies *Mesotriton alpestris lacusnigri*

Martina Lužnik\*, Elena Varljen Bužan, Boris Kryštufek





Pileri, G. 1983: Investigations on beavers. Vol. I



659

Z

# FAUNA

der in

Streu bekannten Säugethiere,  
Vögel,  
Reptilien und Fische.

Nach Cuvier's System

geordnet,

mit Abbildungs-Citaten und Angabe des  
Vorkommens.

Mit

einem vollständigen Register

der

lateinischen, deutschen und slavischen oder slavischen  
Namen.

Von

**Heinrich Freyer,**

Magister Pharmacie, und Colleg. bei Kaiser's Hofrath  
zu Tilsch.



1842

Henrik Freyer 1802–1866

V. FELIS L.

Katze.

fr. mázhek.

1. F. Lynx.

Luchs.

rif ♂ rifa ♀ 26.)

nach Pat. Marcus. hevz, levz, los, lisovt, bistroid, oistrovid. icon  
Schreb. 109. B. et 119.

In Innerkrain.

2. F. Catus L.

wilde Katze.

divji mazhek. 27.)

mazhka, muna, muza ♀ icon Buffon VI. 1. Schreb. 107. a.

In dichten Waldungen e. g. bei Reifnitz.

3. F. fossilis spelaea?

28.)

Eine große fossile Kinnlade einer ausgestorbenen unbekanntes Katzenart,  
hat Schreiber dieses bei Ausgrabung der Höhlenbären-Knochen im Tanz-  
saale der Adelsberger Grotte aufgefunden, und ist der Museal-Samm-  
lung beigelegt worden.

# Dragotin Dežman

Karel Dežman

Karl Deschmann

1821-1889

1852-1889 kustos

1875 izkopavanja





POROČILO O DELOVANJU KRANJSKEGA DEŽELNEGA  
ODBORA ZA DOBO OD 1. OKTOBRA 1901 DO KONCA  
SEPTEMBRA 1902.

**DARILA:**

“Grofica Reina v Dessavu: nažokanega bobra.”

223	Prispevek (dovajen)	Elbe	1. kv.	X. 1.	Grofica Reina Dessavi	50 -
-----	---------------------	------	--------	----------	--------------------------	------

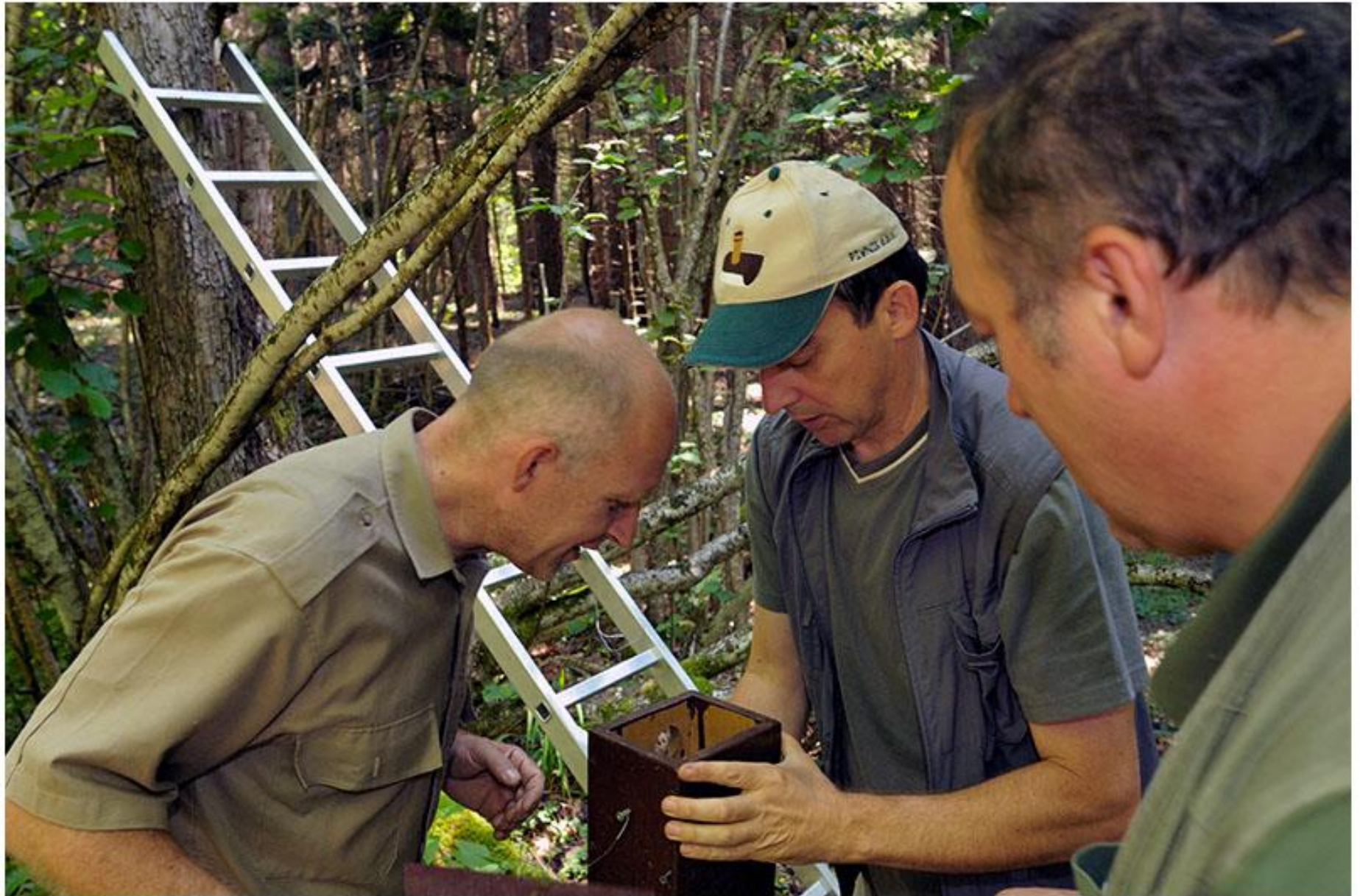
121	<i>Cassio Fibra L.</i> Bober Fibra	Salzburg	1 <sup>te</sup> . II.	$\frac{X}{1}$	Dasoran gimmarij Zelenicki 4.I.1956	2	-	
122	<del><i>Arvicola amphibius</i></del> Muffenwader		1 <sup>te</sup> . II.	1878 $\frac{X}{1}$		1	-	32 lotew 27. III. 57 5 lot



Kanadski  
bober



Evrazijski  
bober



MARKO MASTERL



August 1998



POROČILO

**Strokovno izhodišče za vzpostavljanje omrežij NATURA 2000  
Bober (*Castor fiber*)**



Prirodoslovni muzej Slovenije

Ljubljana

marec 2003

POROČILO

Strokovno izhodišče za vzpostavljanje omrežij NATURA 2000  
**Bober (*Castor fiber*)**



Scopolia No 59: 1-41 (2006)

**Bober (*Castor fiber*) v Sloveniji**

**Beaver (*Castor fiber*) in Slovenia**

Boris KRYŠTUFEK<sup>1,2</sup>, Andrej HUDOKLIN<sup>3</sup> & Dušan PAVLIN<sup>4</sup>



The IUCN Red List of Threatened Species™



## IUCN Small Mammal Specialist Group

**Small Mammal Red List Authority coordinator of Palearctic region**





# The IUCN Red List of Threatened Species™

## Castor fiber





## Assessment Information [\[top\]](#)

<b>Red List Category &amp; Criteria:</b>	Least Concern <a href="#">ver 3.1</a>
<b>Year Published:</b>	2008
<b>Assessor/s:</b>	Batbold, J., Batsaikhan, N., Shar, S., Amori, G., Hutterer, R., Kryštufek, B., Yigit, N., Mitsain, G. & Palomo, L.J.
<b>Reviewer/s:</b>	Amori, G. (Small Nonvolant Mammal Red List Authority) & Temple, H. (Global Mammal Assessment Team)
<b>Contributor/s:</b>	
<b>Justification:</b>	<p>The Eurasian beaver has shown good recovery across much of its range, as a result of conservation programmes. The highest numbers are found within Europe. Conservation measures are ongoing to prevent the population declining again and as long as these continue, there is no reason to continue to assess the species as threatened or Near Threatened. Now Least Concern. However, the Asian populations remain very small and under serious threat, and these populations urgently need conservation measures.</p>
<b>History:</b>	2002 – Near Threatened







*Castor*



*Castoroides*





- Pleistocen
- Izumre pred c. 10.000 leti
- 2,5 m
- do 100 kg

# Krzno

Dlak / cm<sup>2</sup>

Bober

12.000 (hrbet)

23.000 (trebuh)

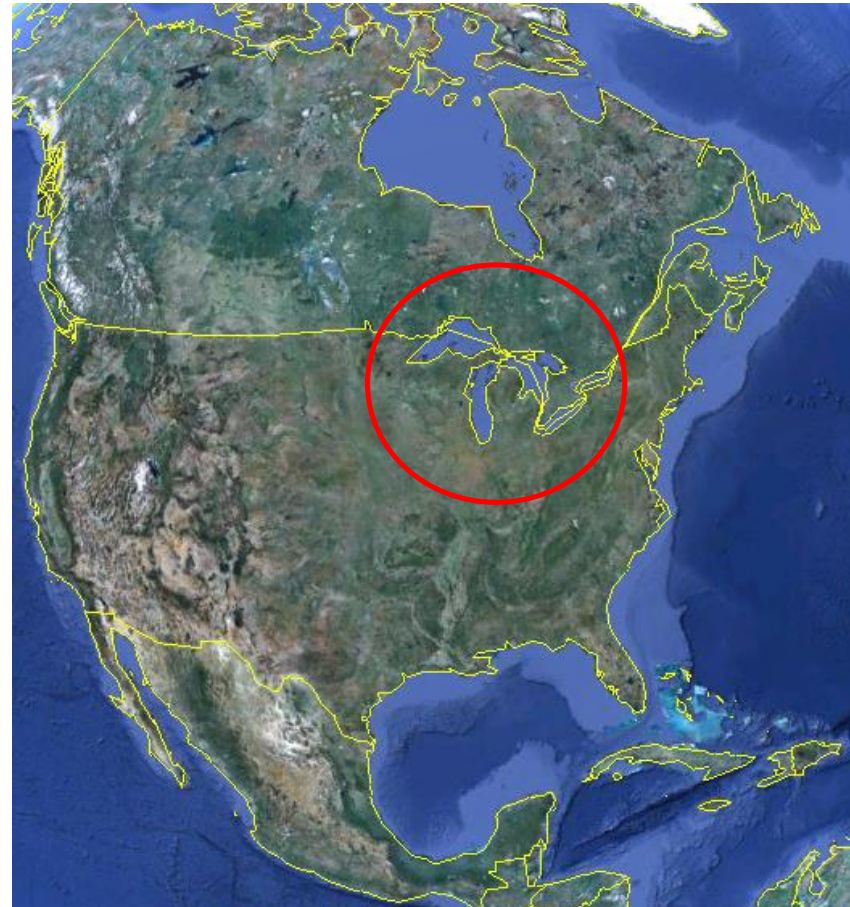
Človek

350



# „Bobrove“ vojne

Sredi 17. stoletja med Irokezi in Algonkini



## DE AMPHIBIIS

At recte Condylum legas testimonio Atheni Aristotelem citanti. *Cyrtolobos sive Condylus quod Amphium Graeci vocant. Huius quod dicitur.* Nuncius *de Condylis* quod dicitur. Cum igitur quod hic proponitur quadrupes scaturam branchiarum & branchias habeat non possum non existimare Condylū esse Aristoteli, cui soli ex quadrupedibus contigit branchias habere. Est quidem Crocodilo similis sed minor. In dorso cute tantū inreptur, cortice squamoso cauda, pedibus, capite rectis. Capite est minor teruice minorque acuto quā Crocodilus post oris rictum foramen vnicum seu rimam branchiarum habet, pedes in digitos quinque diuisos, his & cauda natat.

### De Castore.



### CAPUT VIII

**L**IBRIS Quoque quos Castoreos vocant in terris & in aqua vitellus est. Quare inter antiquae naturae animalia recte collocantur, de quibus multi multa scripserint, partim ex veterū & probaturarum scriptorum libris, partim ex his quae ipsi viderunt & oblectarunt, tamen inutilis non fuerit hic labor meus eadem rursus pertrahēdi, quia quaedam praetermissis quae ad partem tum internam, tum CAPUT VIII













# The IUCN Red List of Threatened Species™

## Marmota sibirica

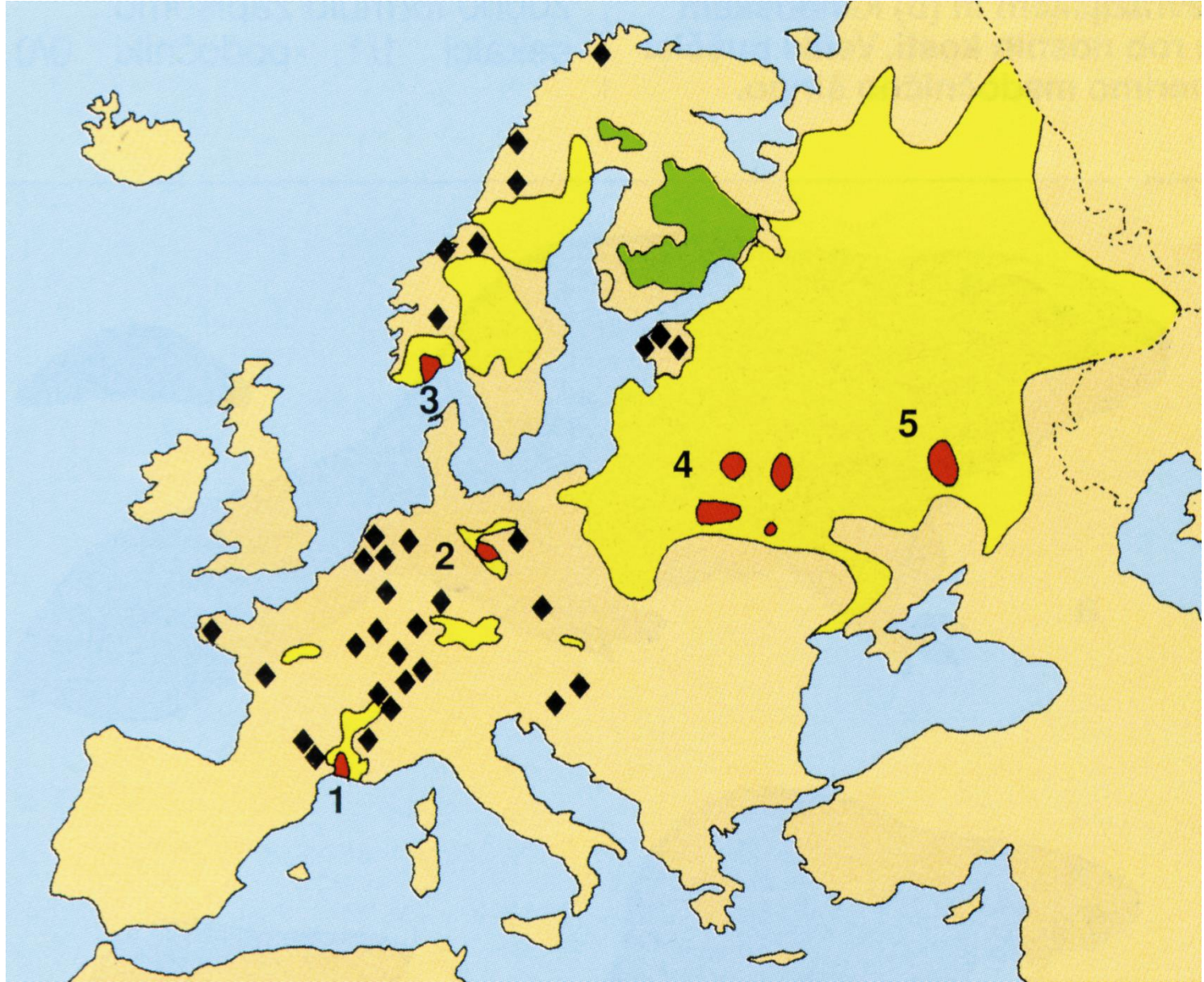




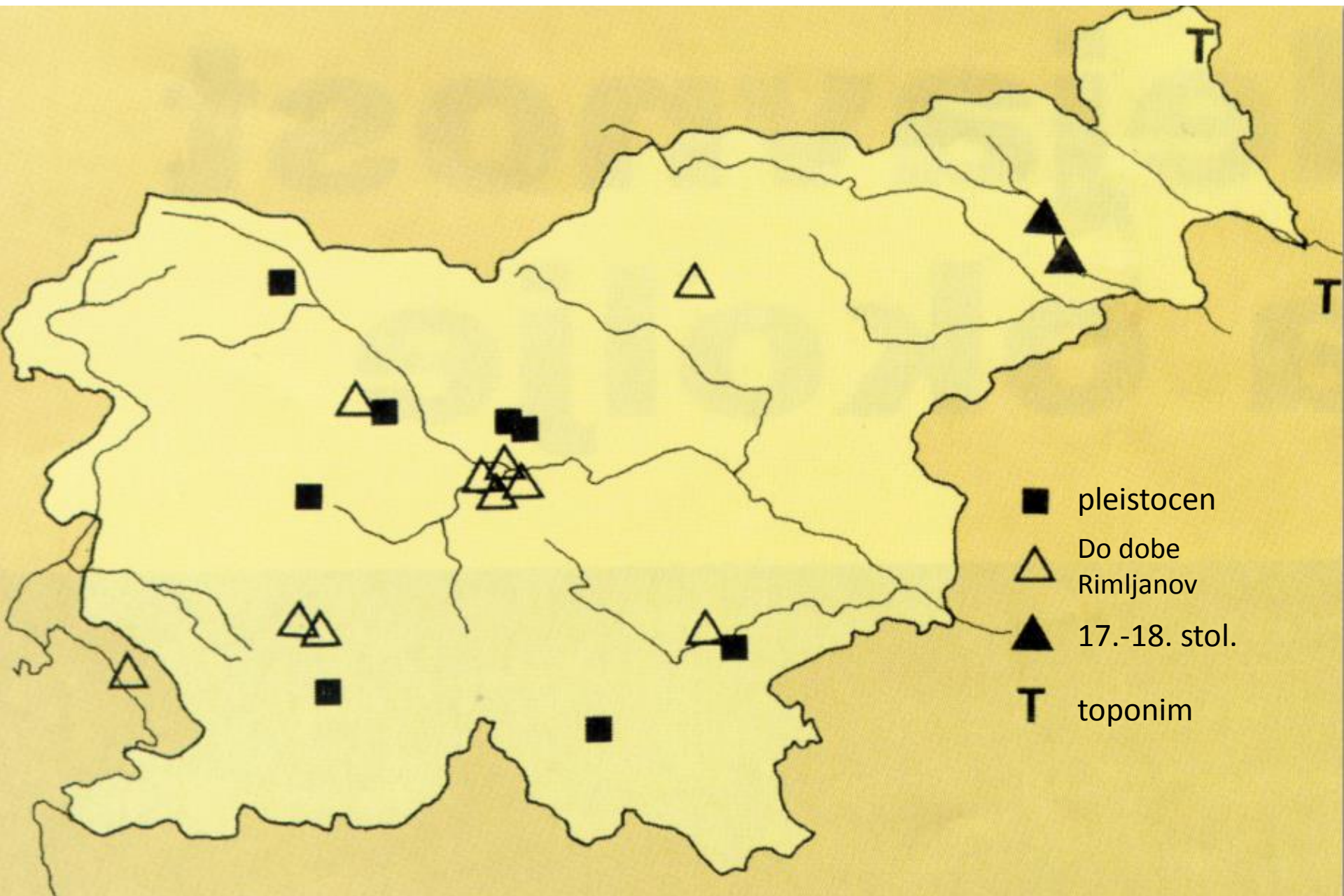
[http://www.google.si/search?q=marmota+sibirica&hl=sl&tbm=isch&tbo=u&source=univ&sa=X&ei=q-E8Ud7kDcOs4ATT0IHADQ&ved=0CC4QsAQ&biw=1366&bih=615#imgrc=lGeSbadevY4d2M%3A%3Bine-5RRcjAStyM%3Bhttp%253A%252F%252Fszmn.sbras.ru%252Fgallery%252Fmammals%252FHunting2.jpg%3Bhttp%253A%252F%252Fszmn.sbras.ru%252Fpicts%252FMammalia%252FMarmota\\_sibirica\\_nat.htm%3B276%3B354](http://www.google.si/search?q=marmota+sibirica&hl=sl&tbm=isch&tbo=u&source=univ&sa=X&ei=q-E8Ud7kDcOs4ATT0IHADQ&ved=0CC4QsAQ&biw=1366&bih=615#imgrc=lGeSbadevY4d2M%3A%3Bine-5RRcjAStyM%3Bhttp%253A%252F%252Fszmn.sbras.ru%252Fgallery%252Fmammals%252FHunting2.jpg%3Bhttp%253A%252F%252Fszmn.sbras.ru%252Fpicts%252FMammalia%252FMarmota_sibirica_nat.htm%3B276%3B354)



1300 bobrov (700 v Evropi)



>430.000 bobrov (230.000 v Rusiji)



Sel. 1643. Jaz ist dñ. Würtemberg. dñer. Biber. Gefangen.  
Hordten. Beliker. Gewogen. 86 Pfunt.

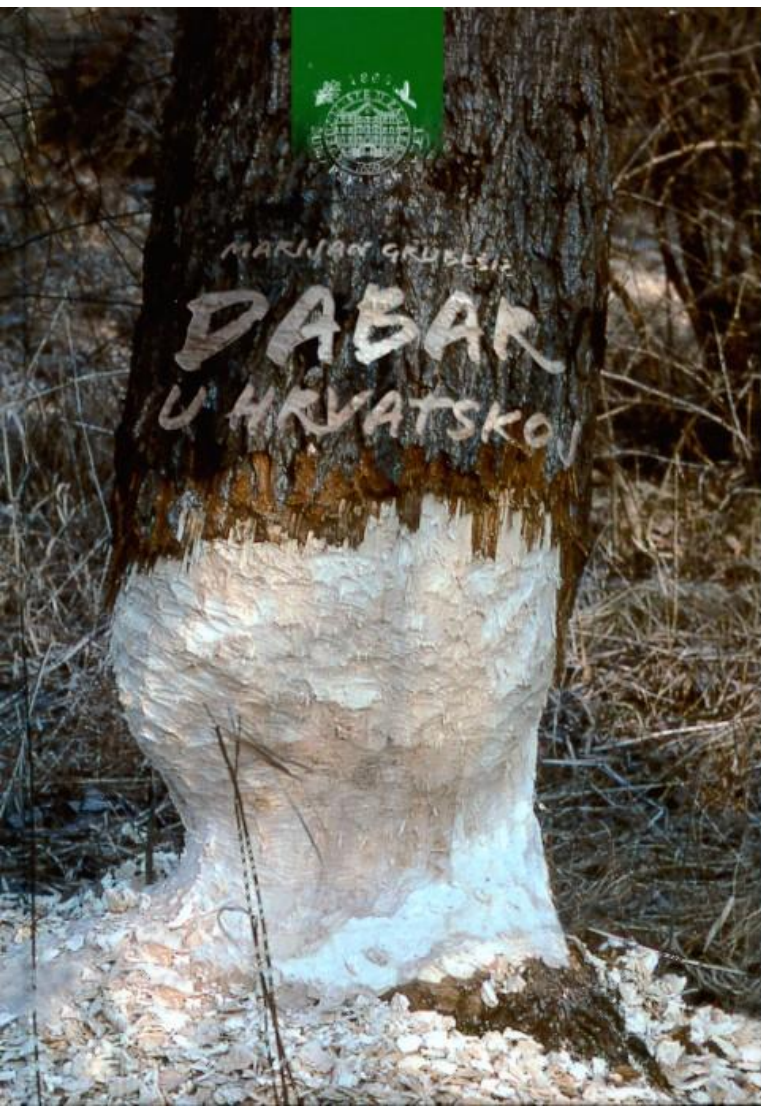


# 1992



Mgr. Matjaž Jež, Maribor,  
Zavodi za varstvo narave Ljubljana, Novo mesto in Celje  
Prirodoslovni muzej Slovenije

# 1996



Prof. dr. Marijan Grubešić









# August 1998



Radulja, junij 2001

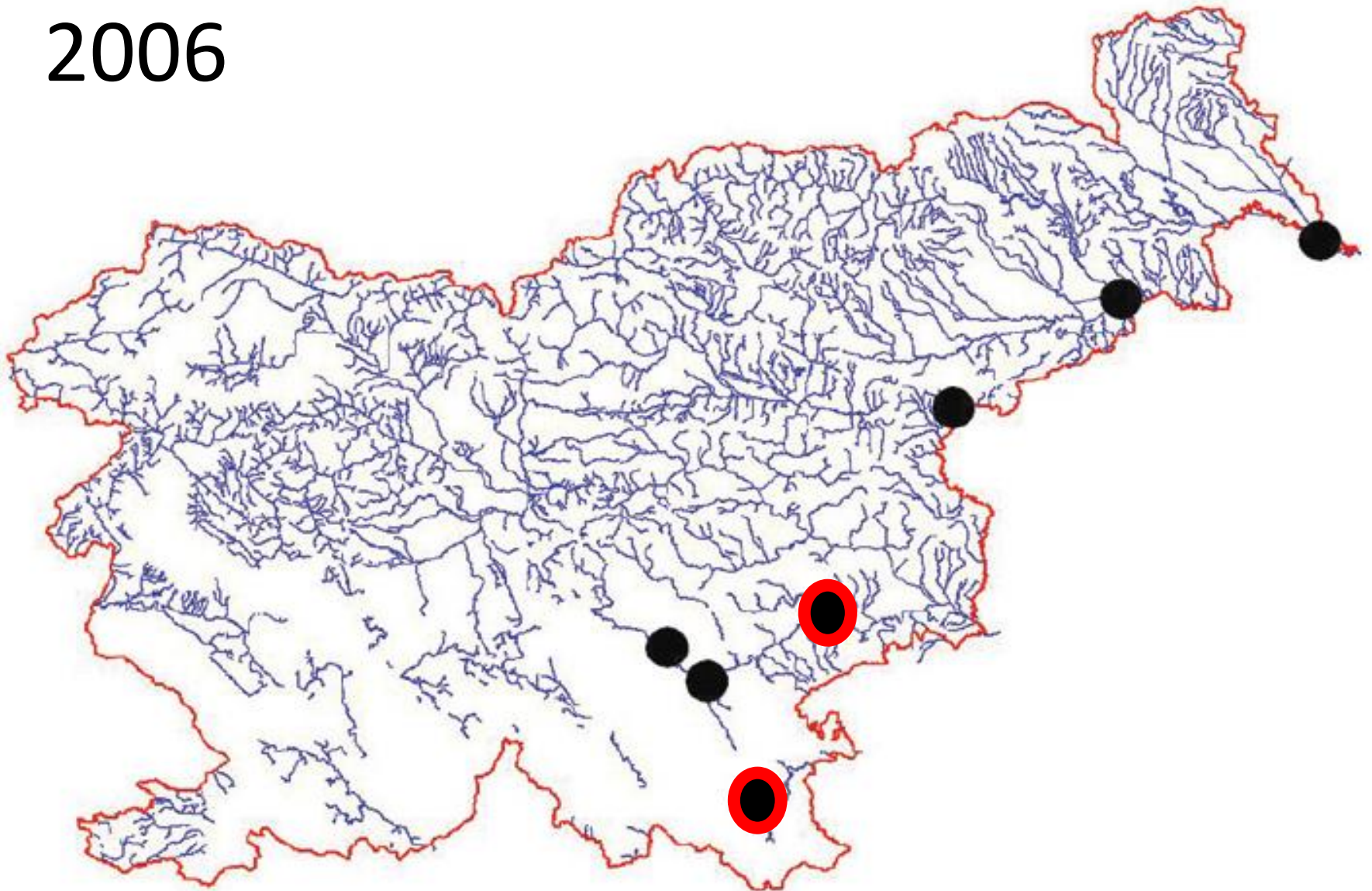




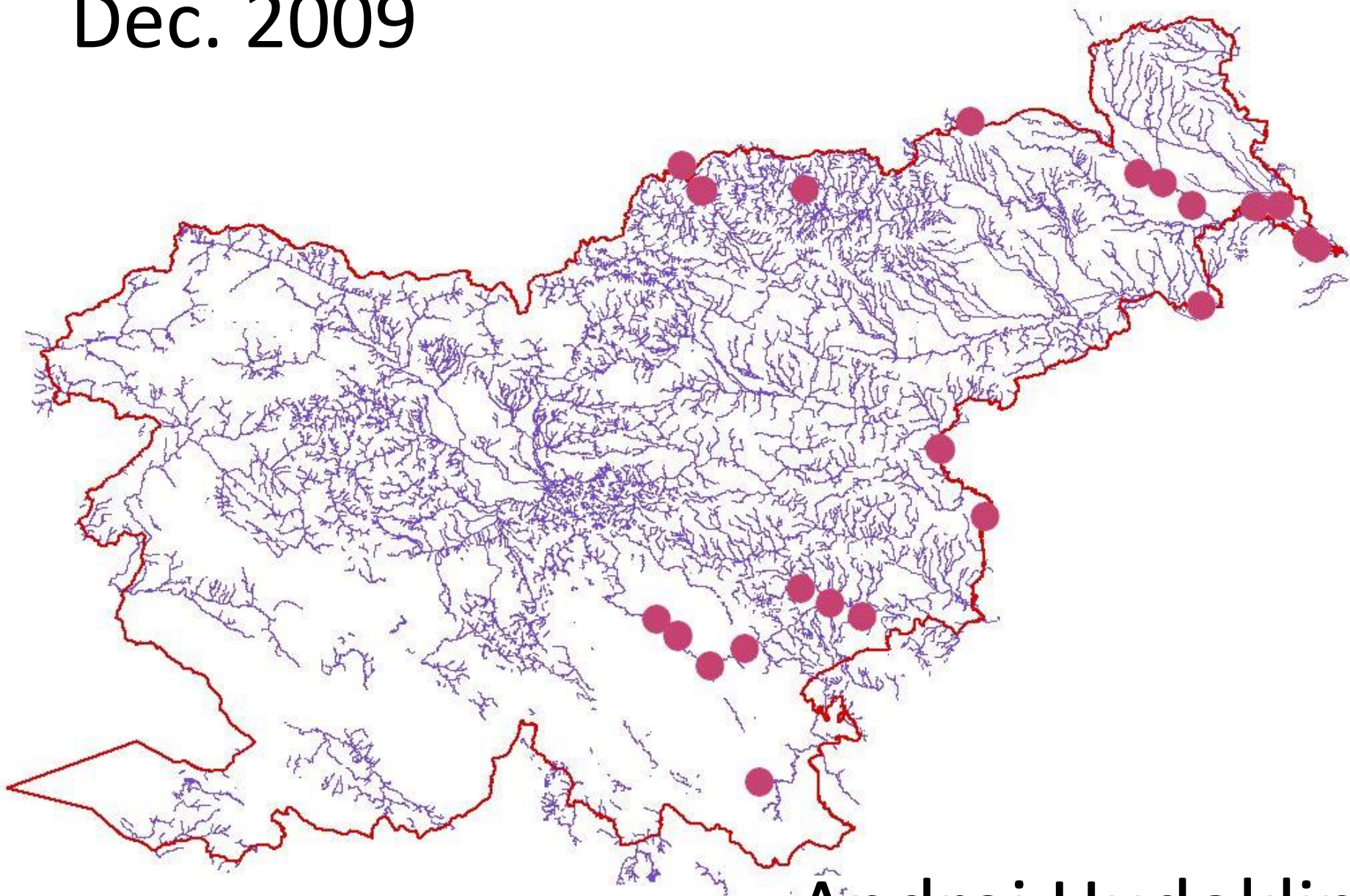


2004

2006



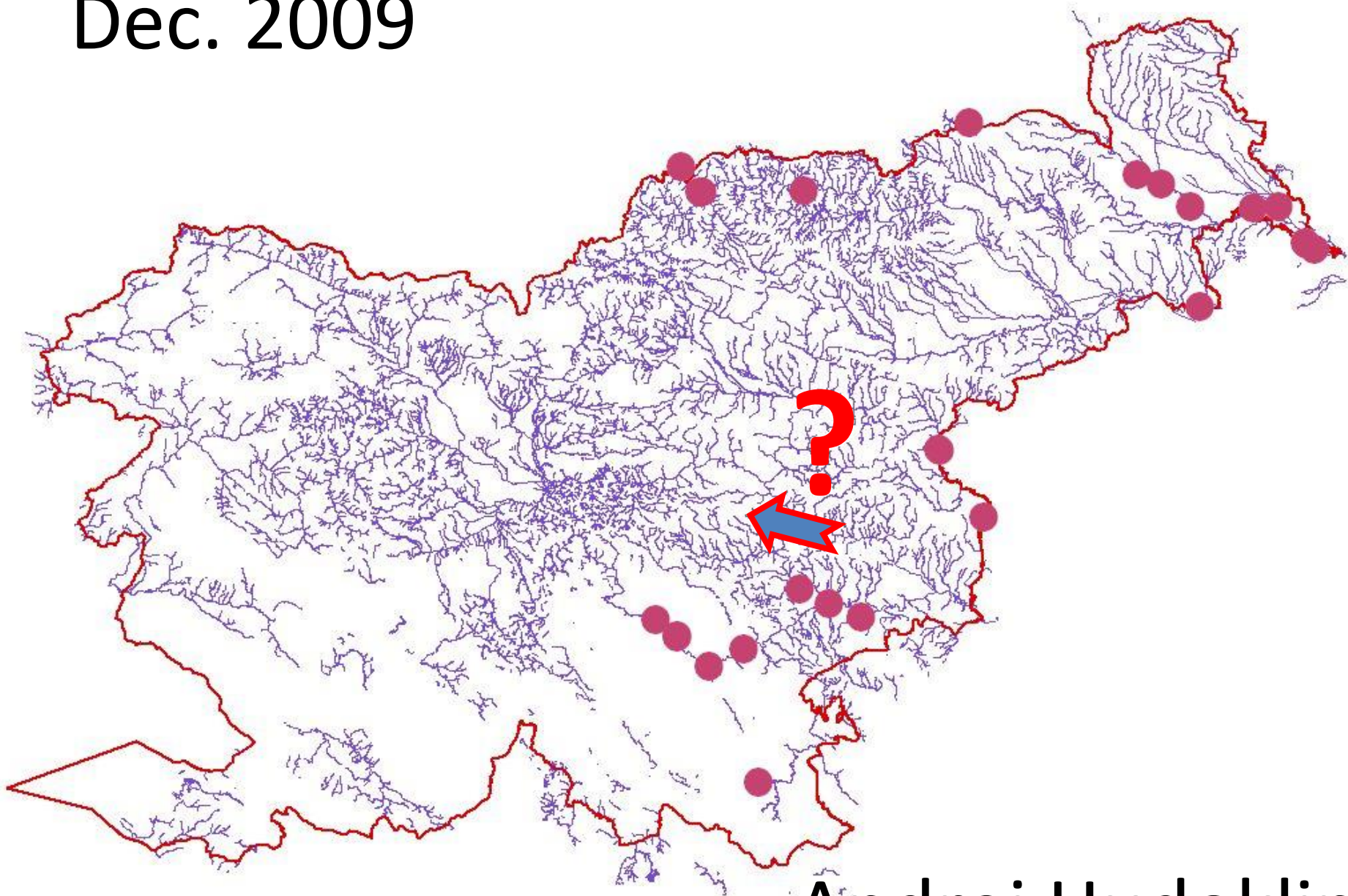
Dec. 2009



Andrej Hudoklin



Dec. 2009



Andrej Hudoklin





Mura



# Prostor

A photograph of a narrow stream flowing through a dense forest. The water is a vibrant green color, reflecting the surrounding trees and sky. The banks are lined with thick vegetation, including various trees and shrubs with green and some autumn-colored leaves. The overall atmosphere is peaceful and natural.

# Prostor Hrana











Drava









Mura







Mura







Drava



Drava











Mura, Gaberje















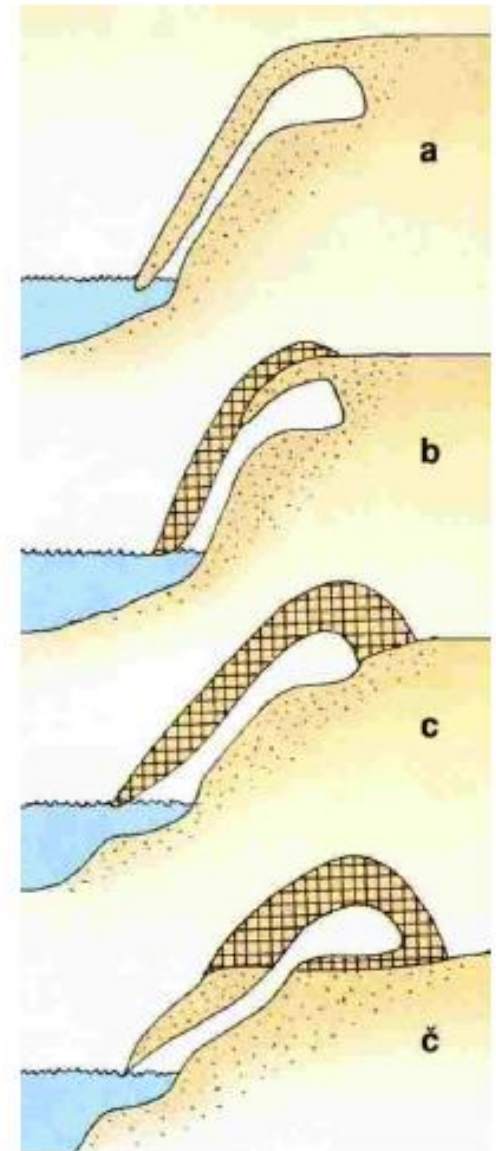
a) brlog v zemlji

b) brlog v zemlji ter obdelan in utrjen z vejevjem

c) bobriščce je izdelano iz vejevja in utrjeno z blatom

č) bobriščce, pri katerem se rov začne v zemlji,

kupola je izdelana in utrjena z vejevjem in blatom











Dravograd



Foto: D. Sere







# Konflikti



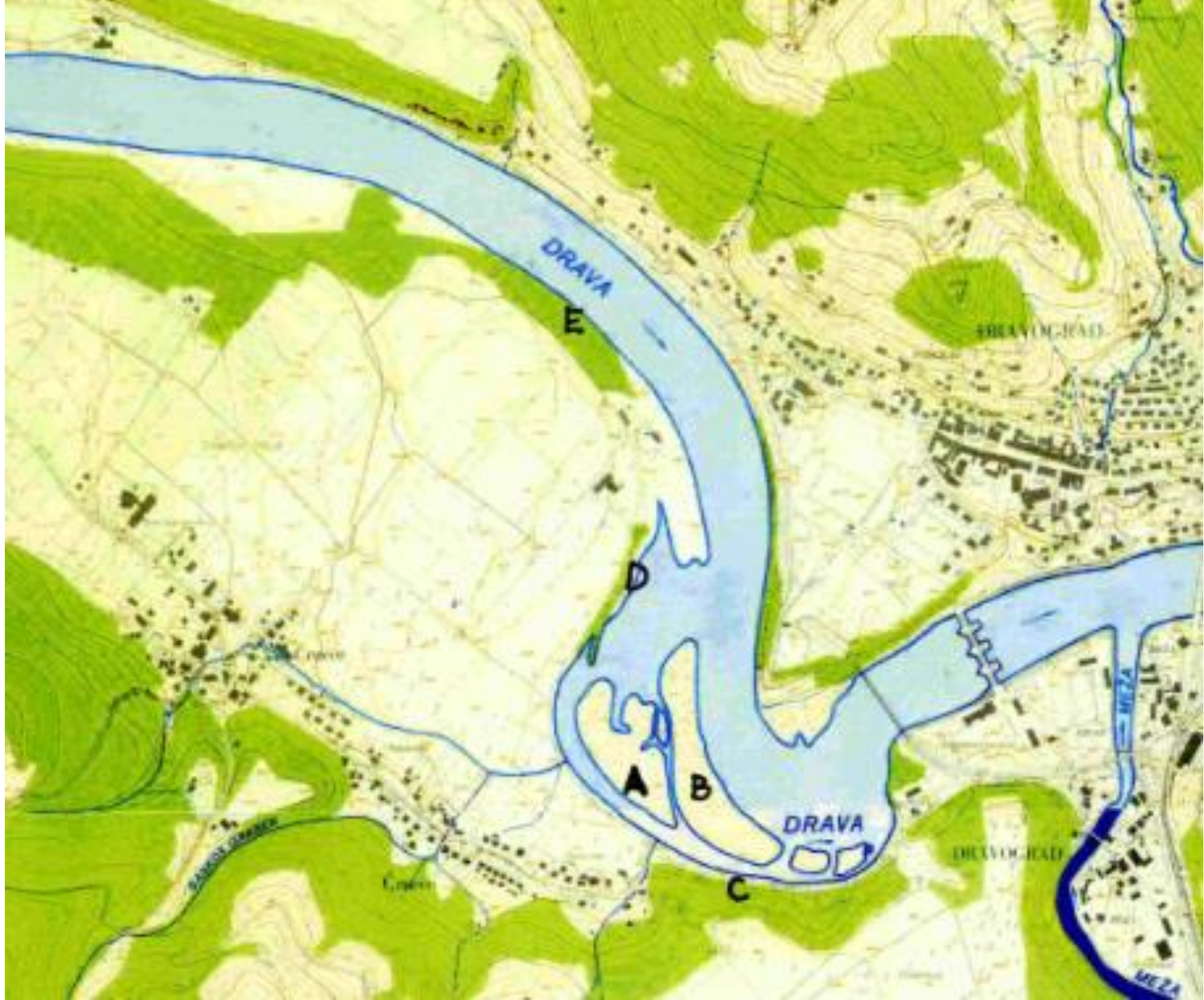














KOORDINATE

GKY 519541, GKX 77842

















Krka







Mura











# Bober

- Podira drevesa
- Koplje v brežine
- Koplje kanale
- Gradi jezove







# SO NAS OBISKALI BOBRI?

GIBANJE MLADI RAZISKOVALCI KOROŠKE

PODROČJE: *BIOLOGIJA*



**Avtorice:**

**Teja Cehner, 7. b**

**Zala Ferlinc, 7. b**

**Tina Flis, 7. b**

**Mentorica: Vida Jaušovec**

**Dravograd, 2008**



**Slika 27: Pogovor z ribičem Ivanom Zormanom (foto: Vida Jaušovec)**



# Varstveni status

Bernska konvencija, Dodatek III

EU habitatna direktiva, Dodatek II in Dodatek IV (za Finsko in Švedsko velja Dodatek V)

Rdeči seznam RS: izumrl; prizadet

POROČILO

**Strokovno izhodišče za vzpostavljanje omrežij NATURA 2000  
Bober (*Castor fiber*)**



Prirodoslovni muzej Slovenije

Ljubljana

marec 2003

# Varstveni ukrepi

- Delo z javnostjo
- Ukrepi za povračilo škod in njihovo zmanjševanje/preprečevanje
- 15-20 m pas prepustiti zaraščanju
- Zavarovati bobrišča

# Strategija

- Stiki s hrvaškim partnerjem
- Monitoring rekonzolizacije in znanih družin
- Ocene primernosti habitatov
- Biologija vrste in vpliv na okolje
- Obnova habitata

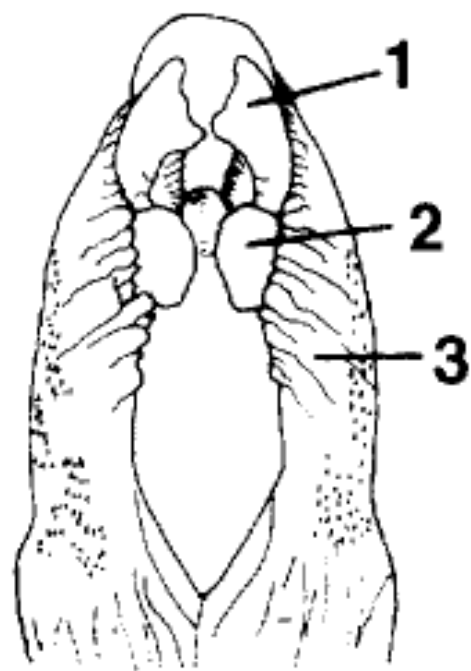
# Vodne rovke *Neomys*



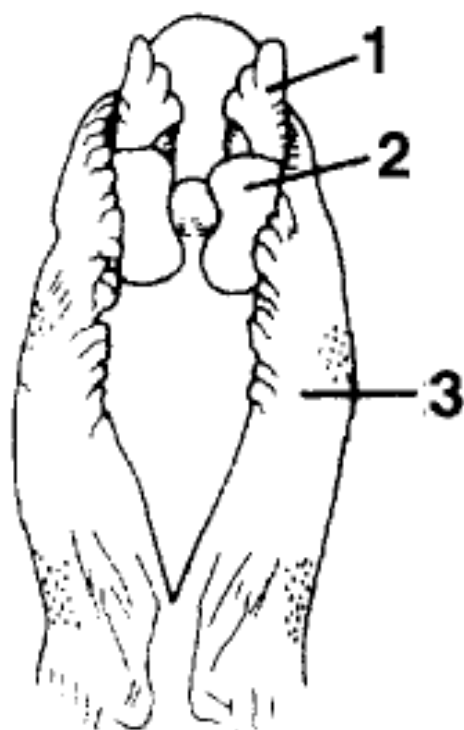
# Evolutionary biogeography of water shrews (*Neomys* spp.) in the western Palearctic Region

B. Kryštufek, A. Davison, and H.I. Griffiths

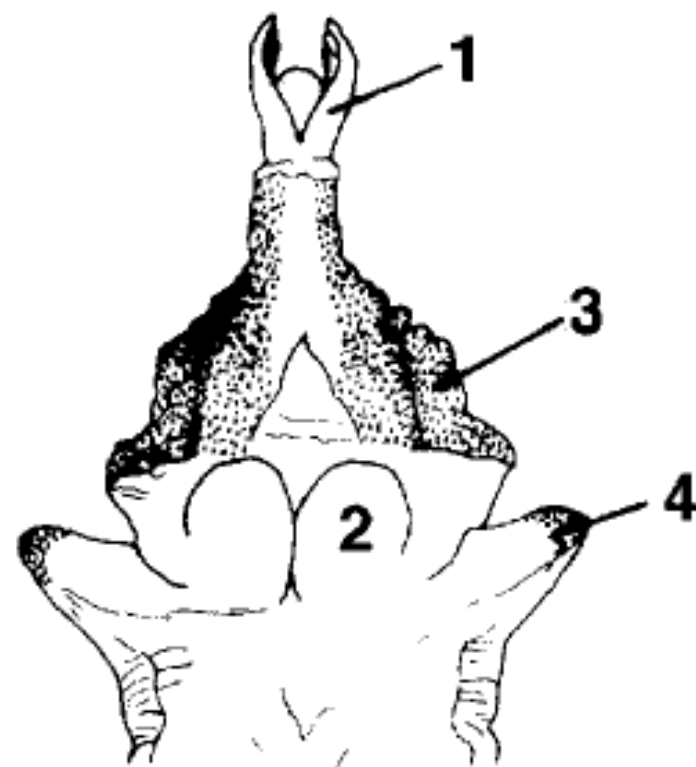
*N. fodiens*



*N. anomalus*

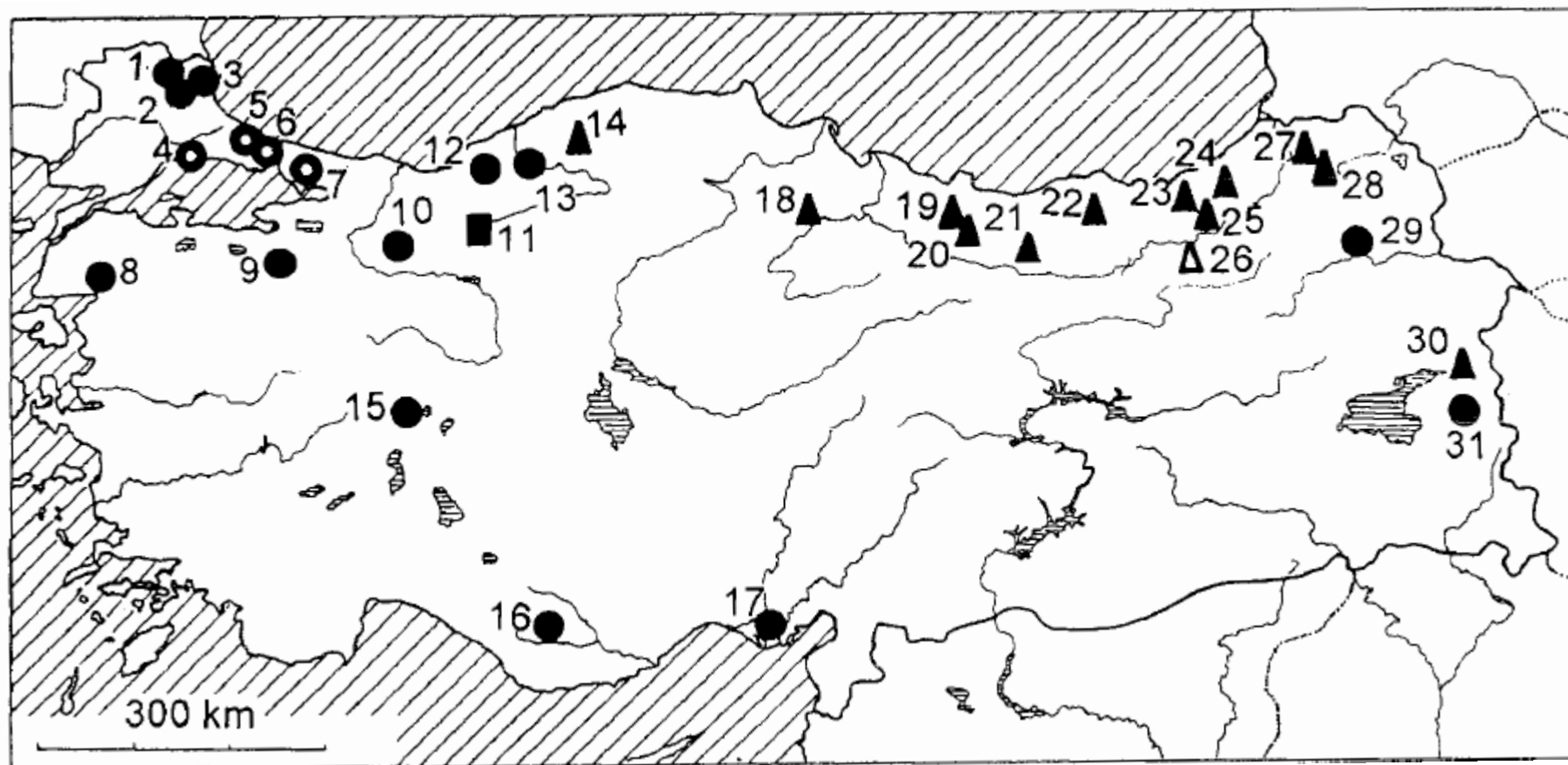


*N. teres*



## A new look at the identity and distribution of Water shrews (*Neomys* spp.) in Turkey

By B. KRYŠTUFEK, V. VOHRALÍK, and C. KURTONUR







# Močvirska rovka *Neomys anomalus*





**HVALA**