



Ministry of the Environment
of the Czech Republic



The Management Plan for the Eurasian Beaver (*Castor fiber*) in the Czech Republic



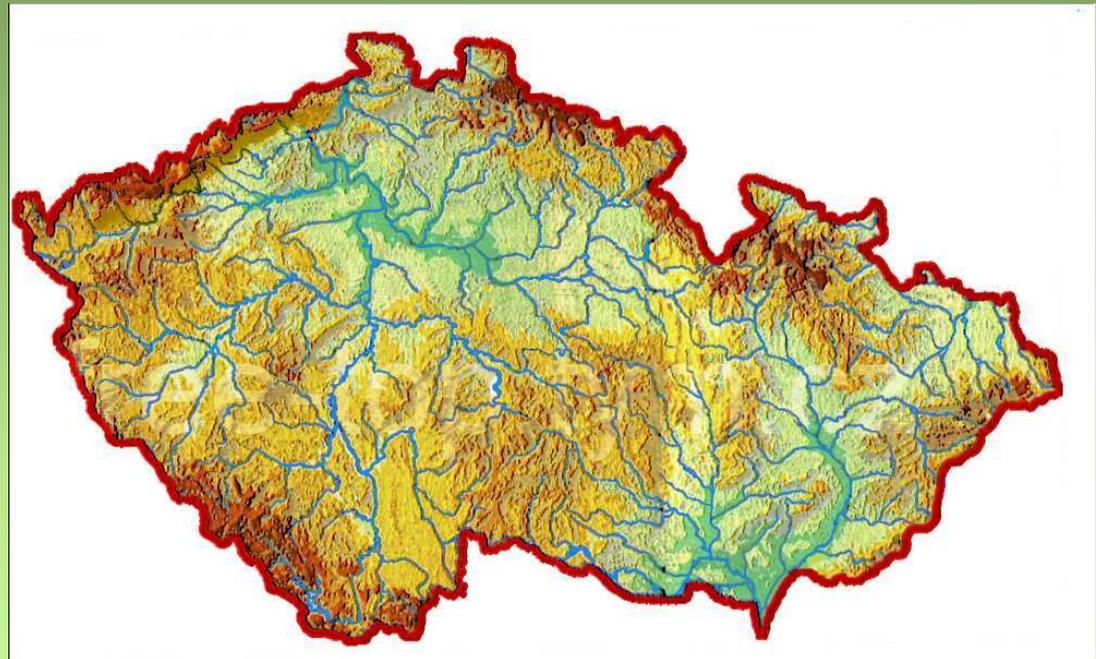
Jan Šíma, Species Protection Unit

The Ministry of the Environment of the Czech Republic



The Czech Republic

- area – 78 864 km²
- inhabitants – 10 292 933
- population density – 130.5/km²
- forest cover – 33.3%
- arable land – 43.4%
- pastures – 11%
- others – 12.3%
- altitudes – 117-1602 m a. s. l.



History of the beaver settlement in the CR

- Beaver was hunted to extinction
- The half of the 18th century - the last beaver was caught
- Several attempts to breed beavers in captivity in the 18th and 19th century
- 1804 -1876 – reintroduction of beavers in the south Bohemia, because of distortion of ponds dams beavers were wiped out



Breeding of beavers near Český Krumlov (1773-1848)

BOBROVNY

V severní části parku byly na počátku 19.století „bobrovny“ – soustava obdélných bazénků k umělému chovu bobrů. Pozorování bobrů bylo pro návštěvníky zajímavým zpestřením procházky parkem.



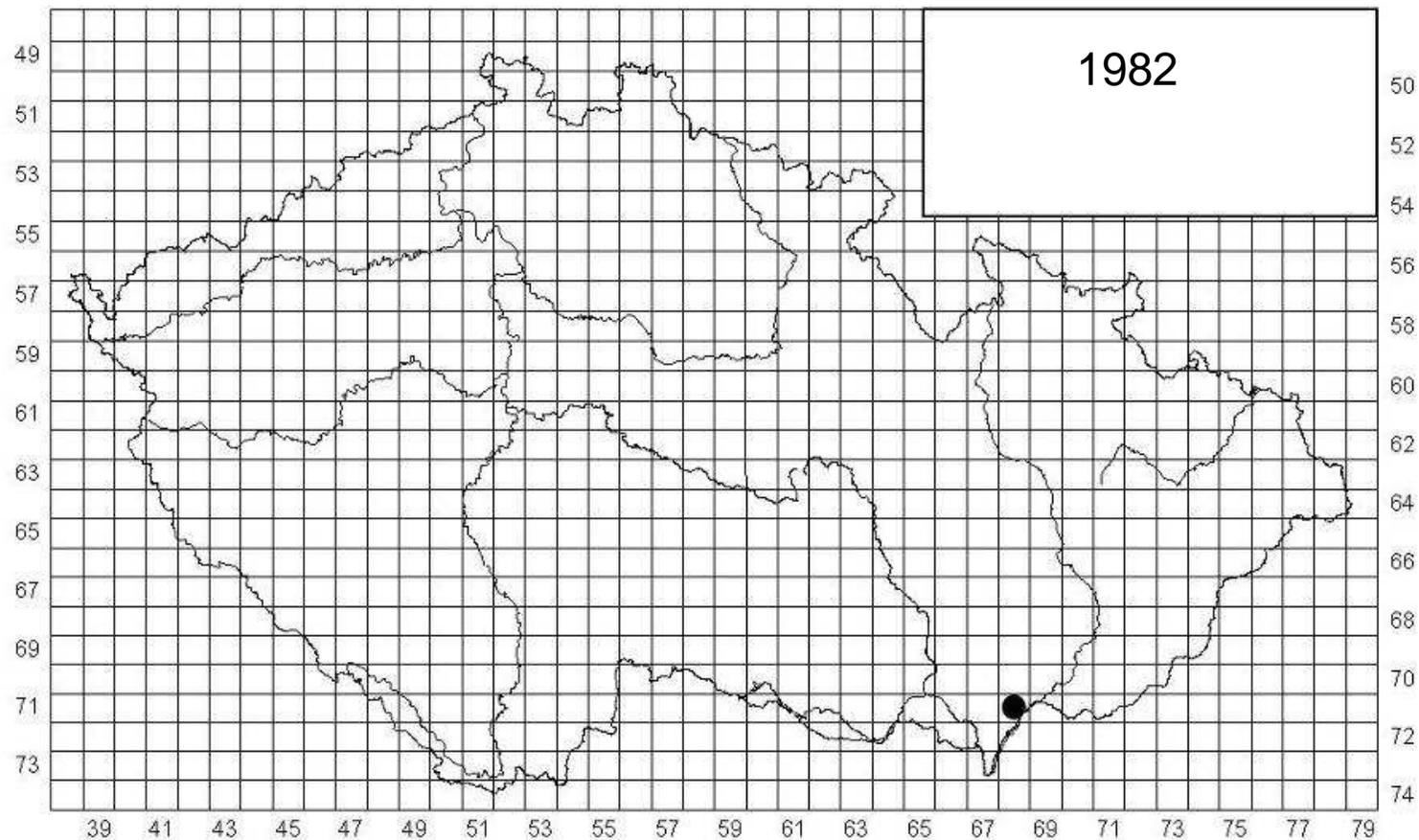
Breeding was founded on decision of Josef Adam Schwarzenberg

The return of the beaver to the Czech Republic

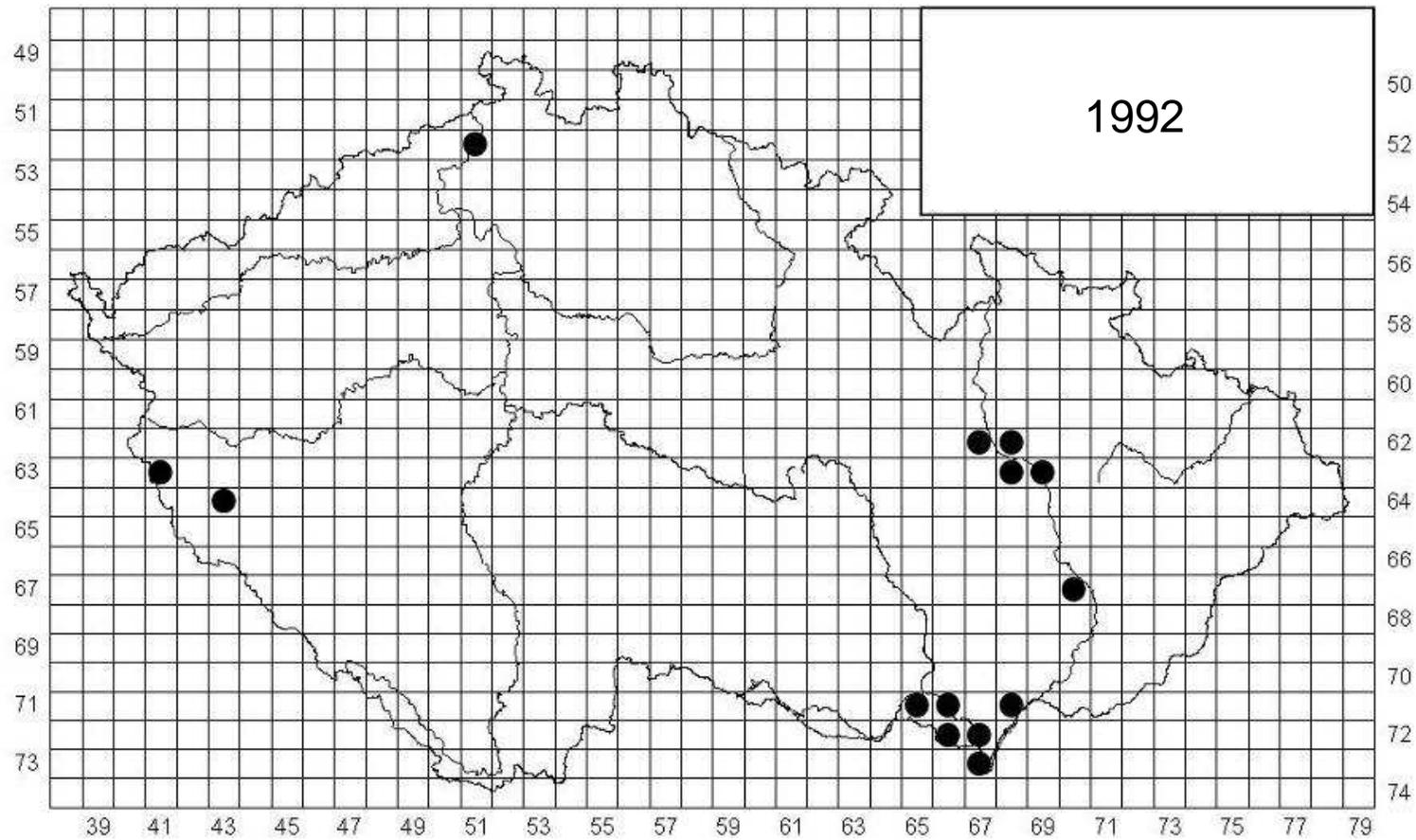
- The first beavers came in the seventies of the 20th century from Austria and Bavaria
- The permanent settlement si registered from the eighties and from the nineties
- 1991, 1992, 1996 – reintroduction of 22 beavers from Poland and Lithuania to the region of river Moravia and Odra



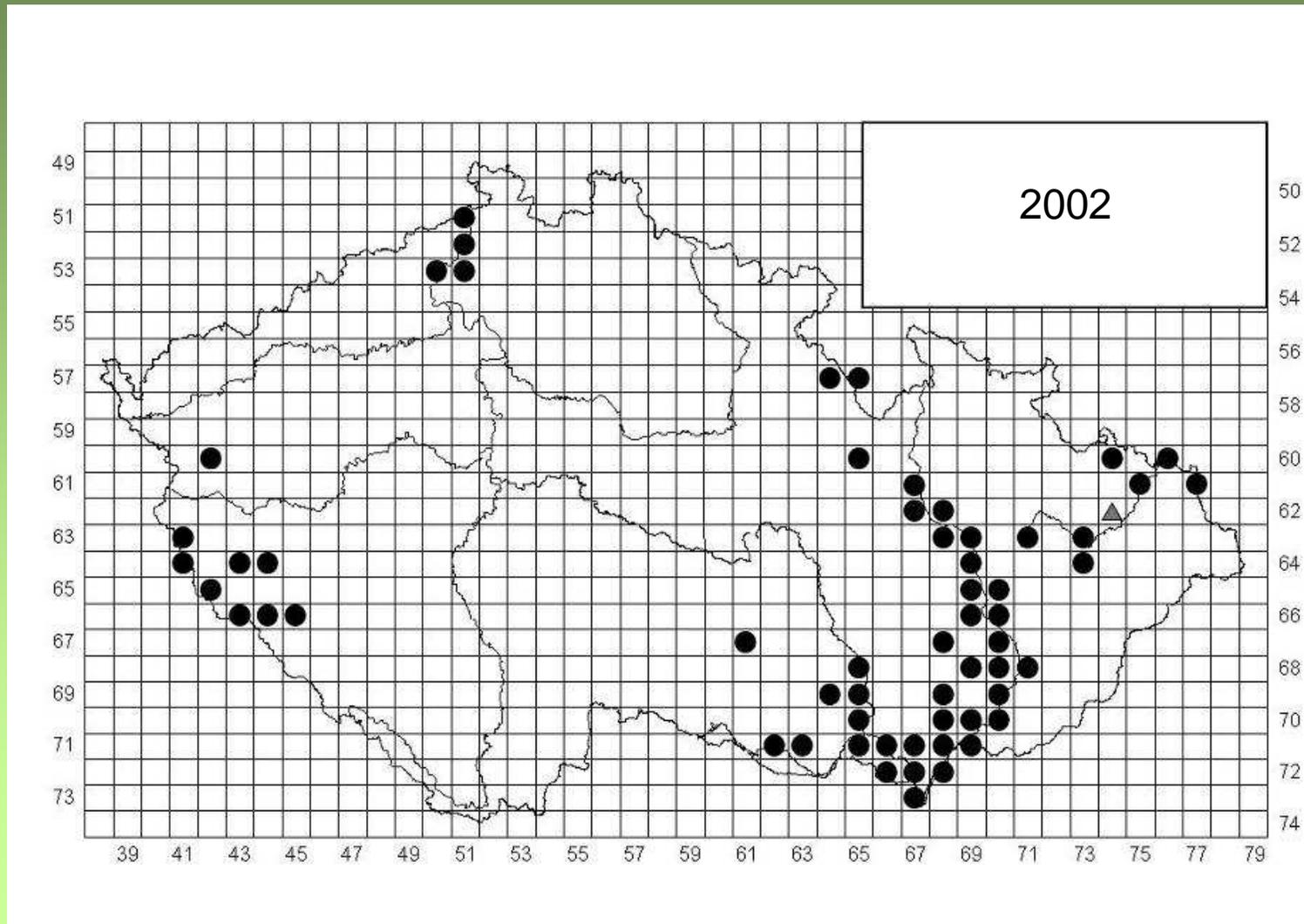
The return of the beaver to the Czech Republic



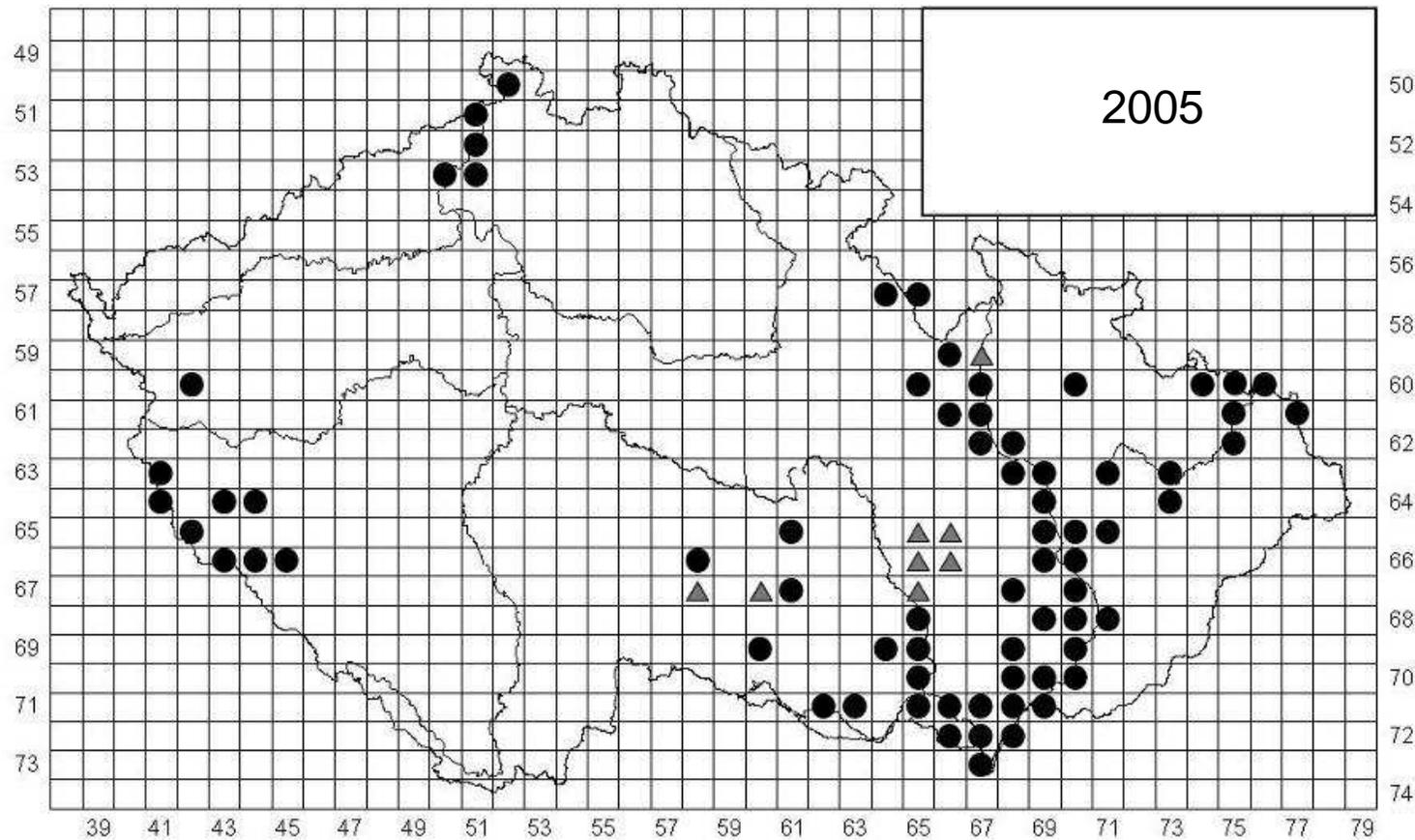
The return of the beaver to the Czech Republic



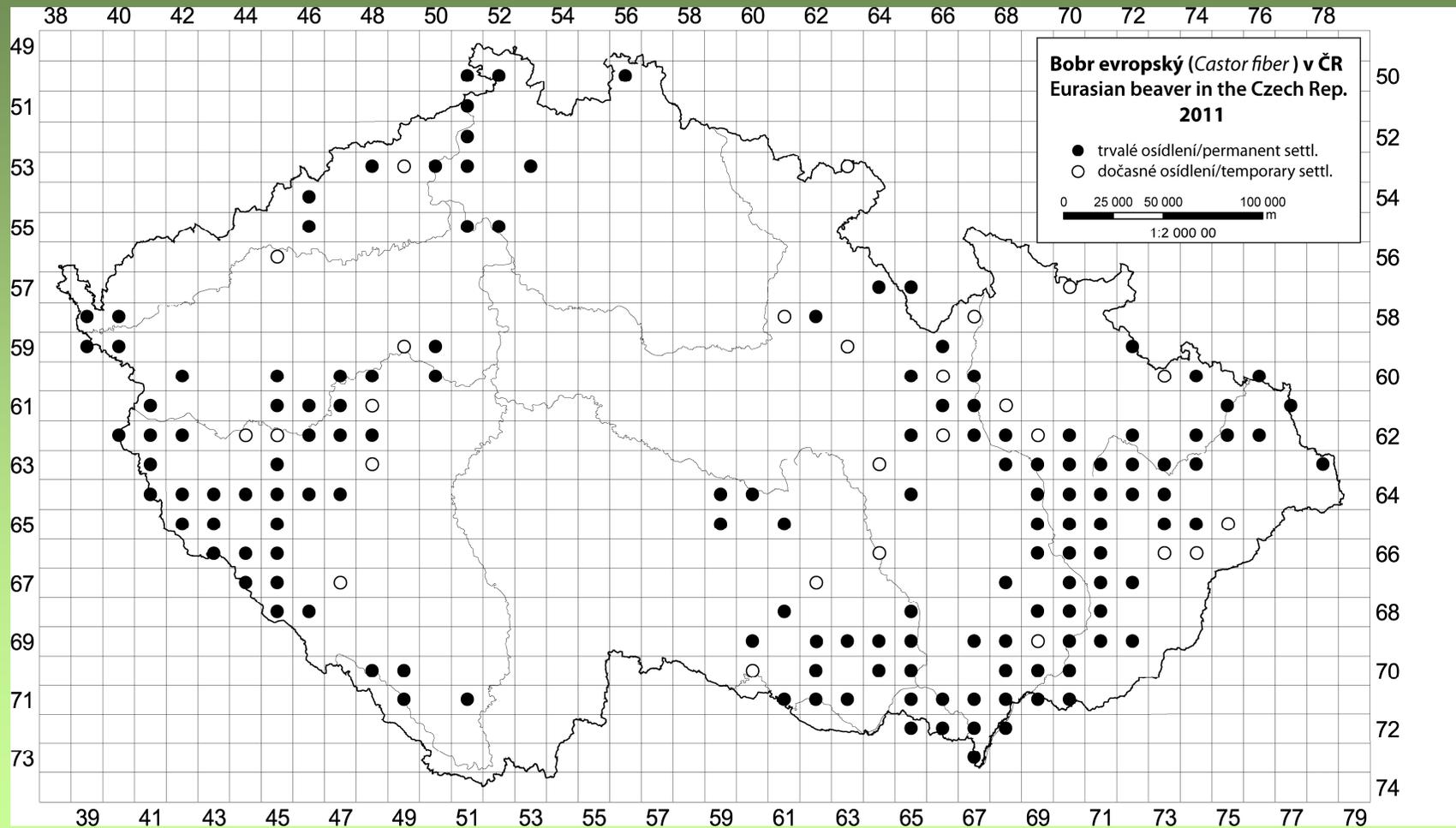
The return of the beaver to the Czech Republic



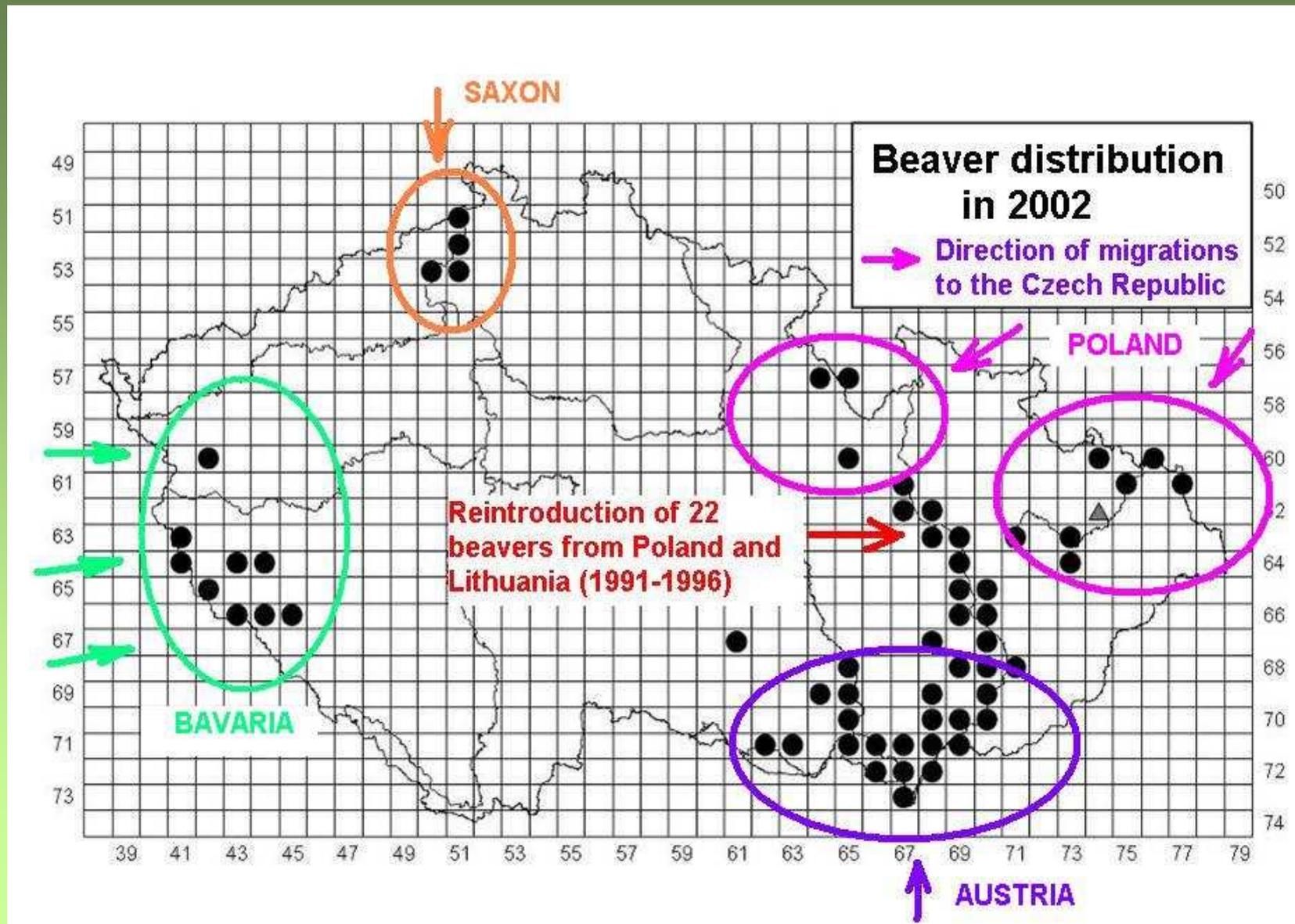
The return of the beaver to the Czech Republic



The return of the beaver to the Czech Republic



The return of the beaver to the Czech Republic



- Actual estimate of overall population size:
3500 individuals
- Theoretical prediction of population size based on model:
17-20 000 individuals
- Real estimate of final population size:
9 -12 000 individuals



The Eurasian beaver (*Castor fiber*)



- Specially protected, endangered species (Decree no. 395/1992 Coll.) (protection according to the Habitat Directive 92/43/EEC)
- Game species which can not be hunted (Act no. 449/2001 Coll. on Hunting)
- Vulnerable in national Red data list
- Damages to trees and cultivated crops are compensated by the state (Act no. 115/2000 Coll.)

The Management Plan (MP)

The main target of the MP - to ensure viable populations of the Eurasian beaver within the territory of the Czech Republic in a long-term horizon and reduce of damages and conflicts at the same time

- adopted by the Ministry of Environment in October 2013
- conceptual document of the Ministry of Environment (95 pages)
- The MP is a set of management, protective, administrative and educational measures
- results and efficiency of the MP will be evaluated in 10 years
- coordination by the Nature Conservation Agency of the Czech Republic (= governmental body established by the Ministry of the Environment).

The Management Plan – Plan of Activities

- coordination of nature protection authorities procedures (particularly derogations permitting)
- improvement of legislative and/or financial tools (for compensations/ for preventive measures etc.)
- effort to introduce preventive measures (financial resource = The Operational Programme Environment)
- systematic monitoring of SCI populations and mapping of beaver distribution
- public awareness - „beaver campaign“; the beaver management handbook, with details on technical measures ; creation of a network of field beaver advisors
- Research - relations between beaver and ecosystem; influence of beaver dams on river hydrology
- elimination of *Castor canadensis* occurrence (up till now we have no evidence about its occurrence)

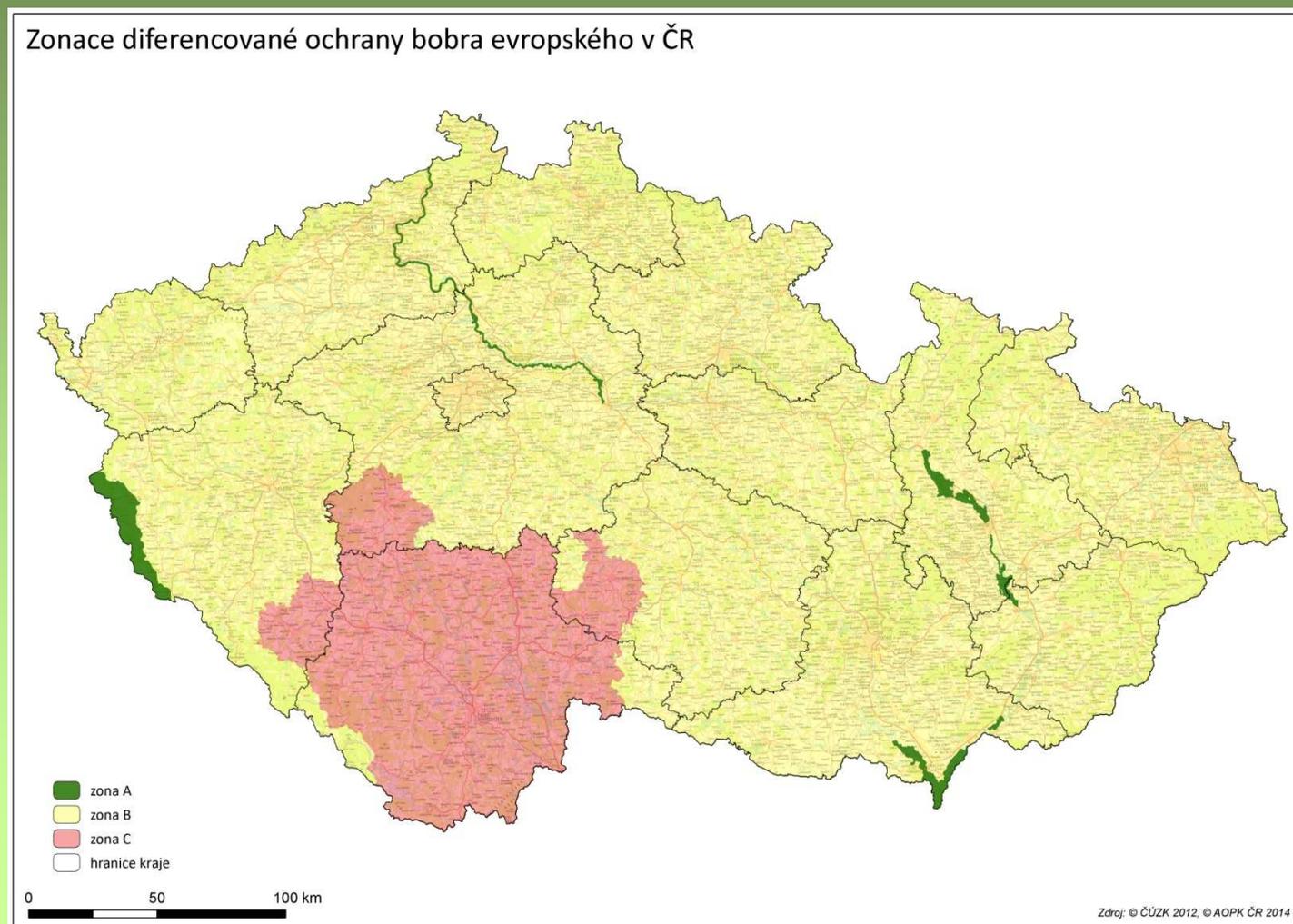
differentiation of approach to the protection (zonation)

- based on protection priorities (SCI) and concentration of the risk

Zone A

Zone B

Zone C

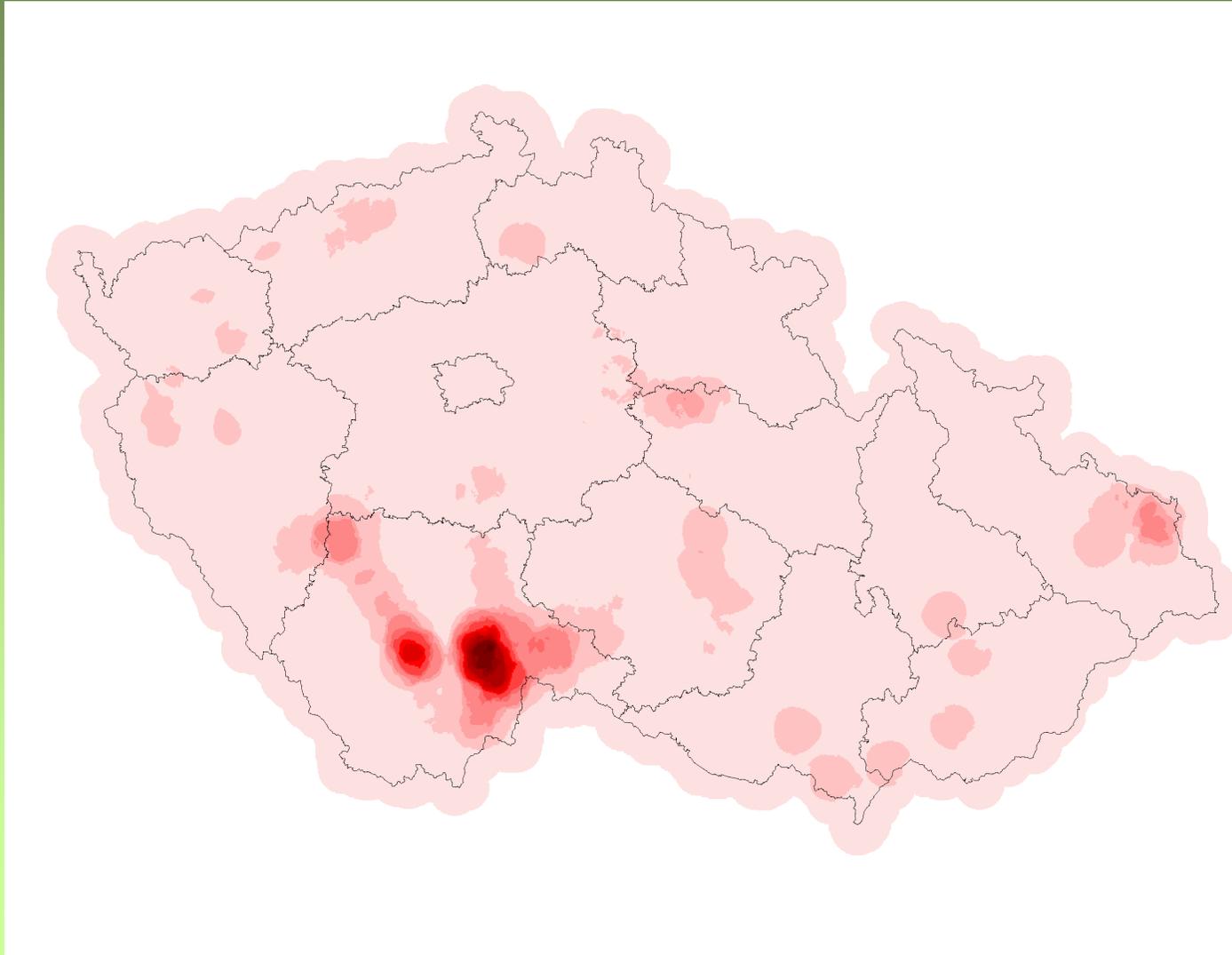


Zonation

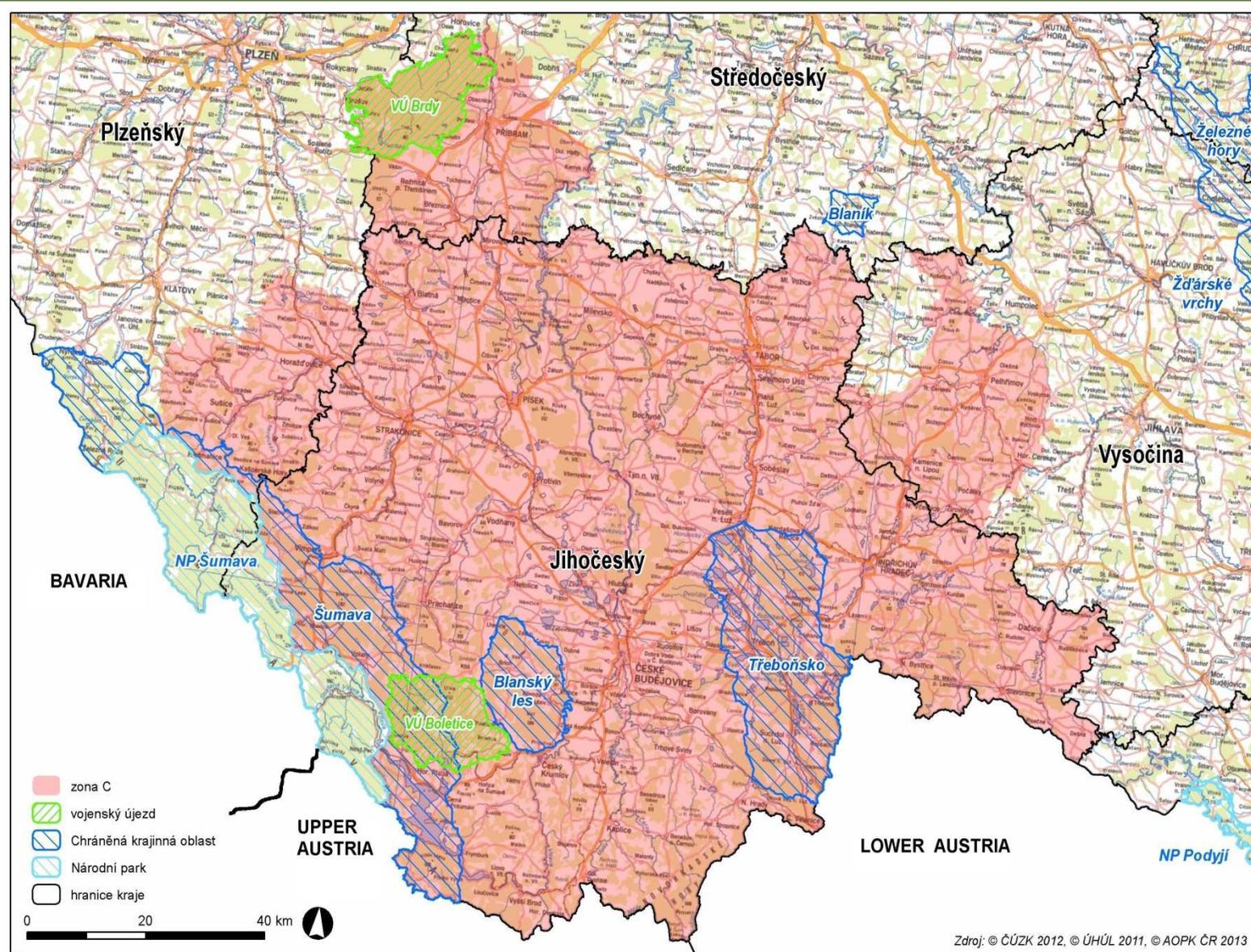
Legislative status of beaver is maintained (requirements of the Habitat Directive etc.)

- **Zone A** - seven SCI defined for *Castor fiber*. Territory ensuring a long term existence of beaver population in the Czech Republic (*cca 1% of the Czech Republic territory*).
- **Zone B** - territory outside zone A and C enabling the migration and eventual growth and spreading of population in non-conflict areas (*cca 84% of the CR*)
- **Zone C** - territory, which was defined based on high density of waterworks (about 3000 ponds etc.) **at risk** by beaver activities (*cca 15% of the CR*). Beavers population is not established there yet - immigrating individuals will be eliminated in this zone (derogation proces will start in 2014).

Gis-analysis of waterworks **at risk** in the CR



Zone C



The website of the MP (in Czech, will be translated)

Záchranné programy ohrožených druhů [HP](#) [napište nám](#) [+ mapa](#) [Hledání](#) [EN](#)



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BOBR EVROPSKÝ (CASTOR FIBER)

Lékárny závodily ve shonu po bobrech, ježto lékaři starověcí, středověcí i novodobí, až do nejnovější doby předpisovali do hojivých léků známý „bobrový stroj“, Castoreum (Bibergeil). K nám dováželi od století 16., kdy již lov bobrů domácích nestačil na spotřebu, bobrové stroje „ruské“ čili moškvanské (ze Sibíře) a z Ameriky pod jménem stroj bobrový anglický (*Zlbit Č. (1929): Bobr v zemích československých*)



Autor: L. Vogeltanz

Bobr evropský je chráněným druhem živočicha, který jednoznačně historicky patří do naší fauny, navíc je fascinující svou schopností aktivně měnit charakter prostředí, ve kterém žije. Tato skutečnost bohužel už v minulosti - společně s dalšími bobřími atributy jako např. kožčinou či castoreum - vedla k silné závislosti bobrů na lidské vůli je tolerovat v

PODROBNOSTI

- BIOLOGIE A EKOLOGIE DRUHU
- ROZŠÍŘENÍ
- STATUT OCHRANY
- PŘÍČINY OHROŽENÍ
- PROGRAM PÉČE
- FOTOGALERIE
- ODKAZY

The need for cross-border coordination

- lack of informations about beaver distribution behind border (important for SCI protection as well as regime of the zone C) - *we will be **very grateful** for map of beaver distribution in Austria and Bavaria*
- need to improve also exchange of other information - on approaches, measures etc.





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Thank you



for your attention

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