



Management of large carnivores in Slovenia



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Nature conservation objectives

To maintain the population of large carnivores in a favorable conservation status

What does it mean:

- to secure suitable and large enough habitat to meet ecological requirements (food, shelter, reproduction...)
- to maintain a viable population (what number/density? sexual ratio?)

A number of questions is raising!!!



Management approaches



**STRICT
PROTECTION**



**STRICT
PROTECTION
+
EXCEPTIONAL
MEASURES**



**STRICT
PROTECTION
+
MANAGEMENT**



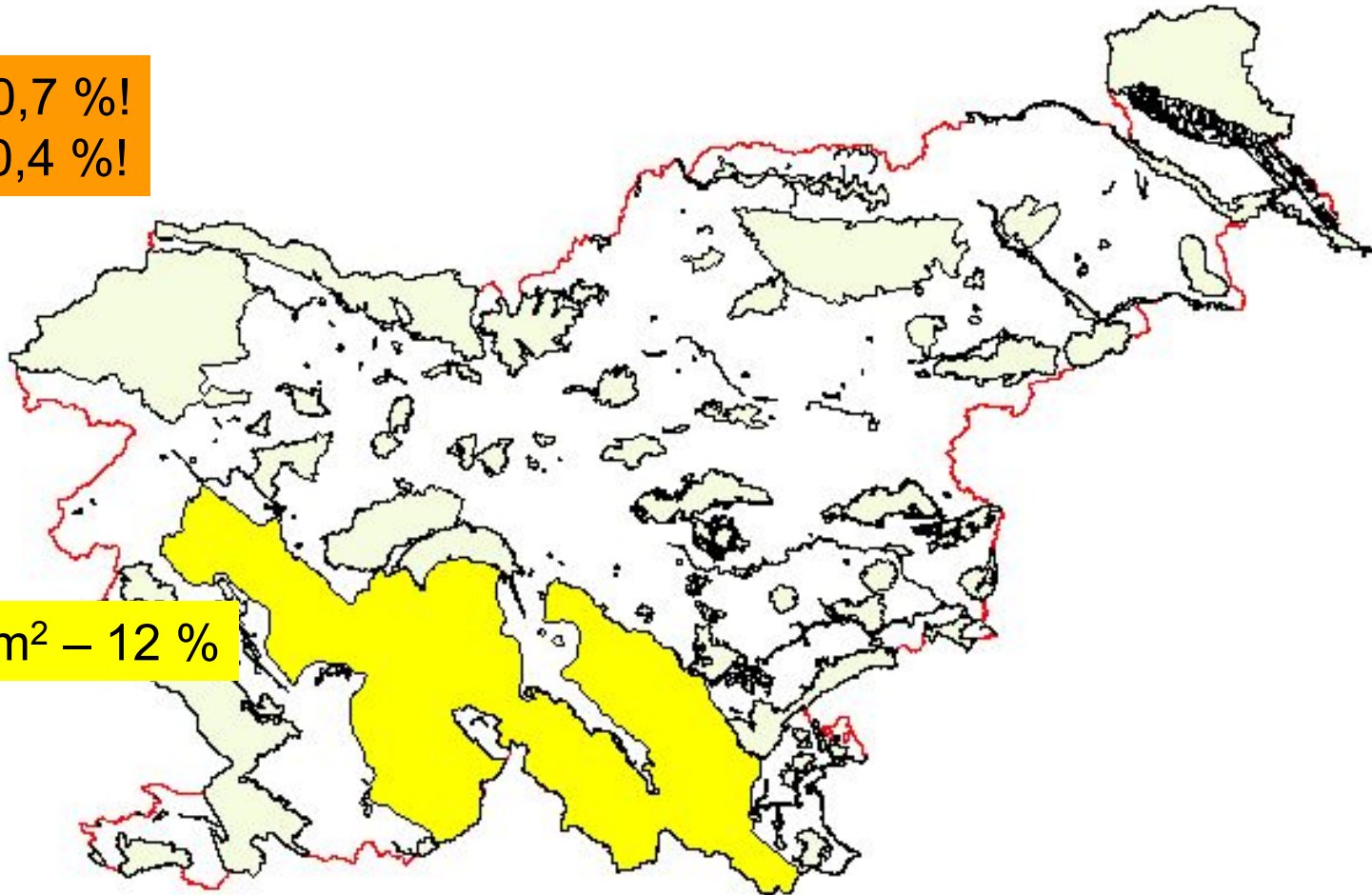
Habitat protection

- Habitat protection is the key issue for protection of large carnivores
- Requires large, not very dense populated areas (main reason why brown bear population in Europe shrank)
- In Slovenia historically respected and continuing in a European frame (Natura 2000)

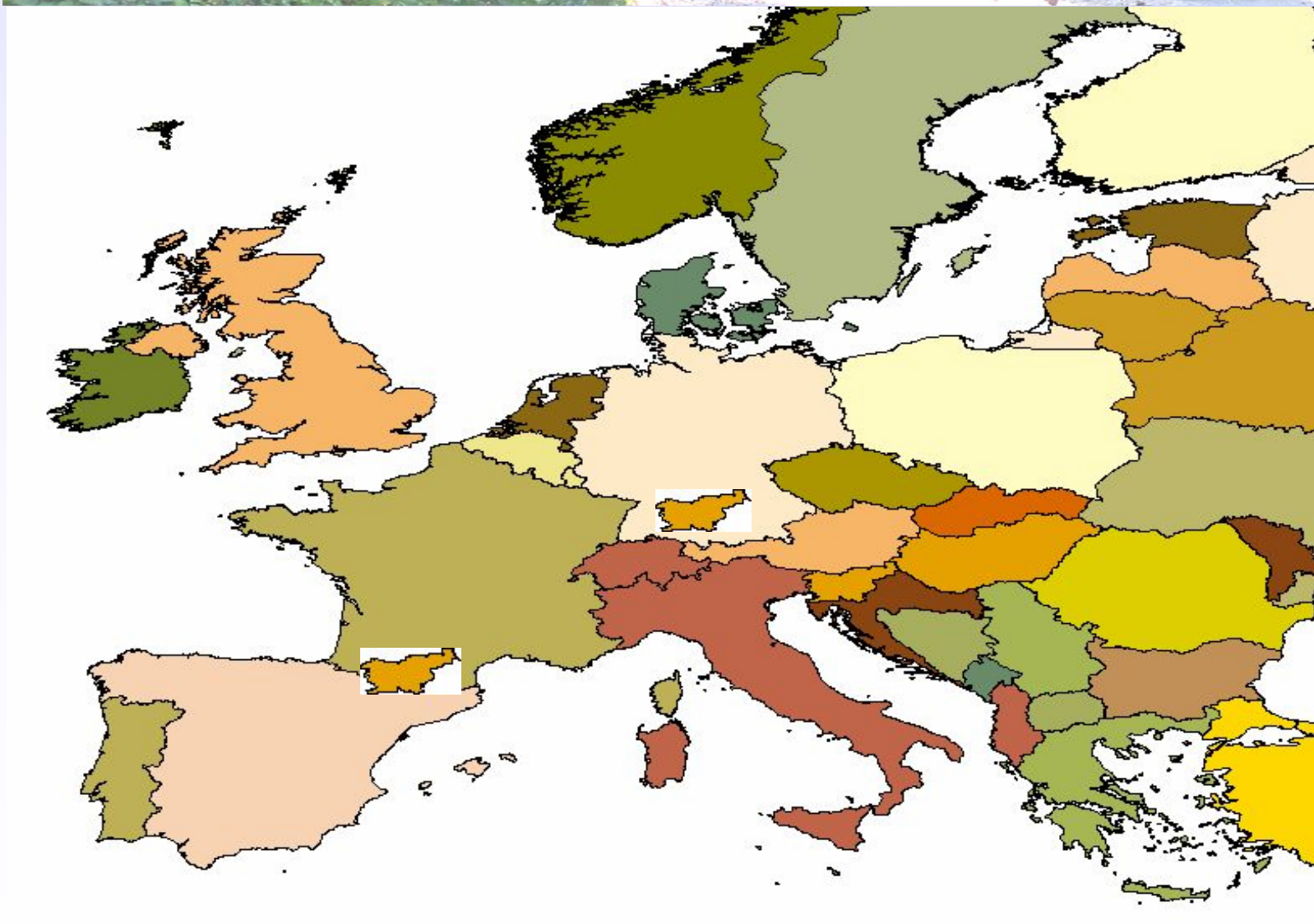


Alpine-Dinaric backbone

DE – 0,7 %!
FR – 0,4 %!



2.380 km² – 12 %





Reintroduction in 1973

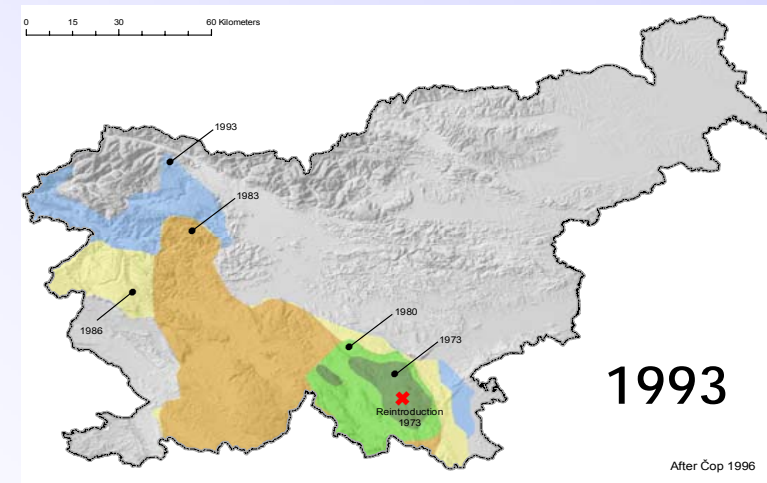
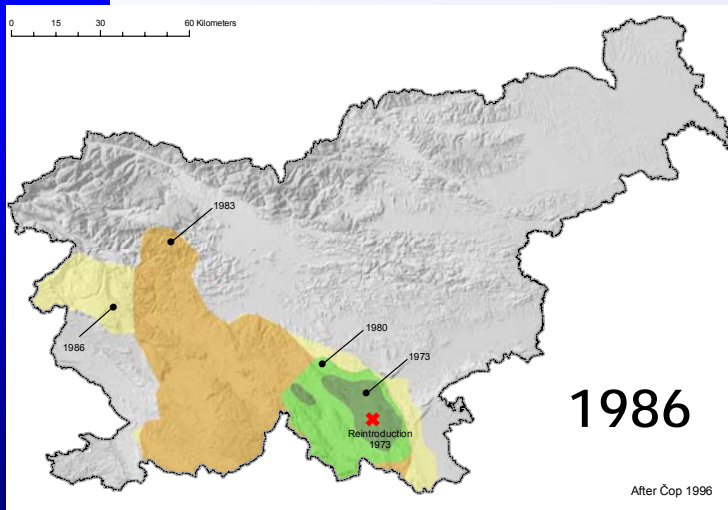
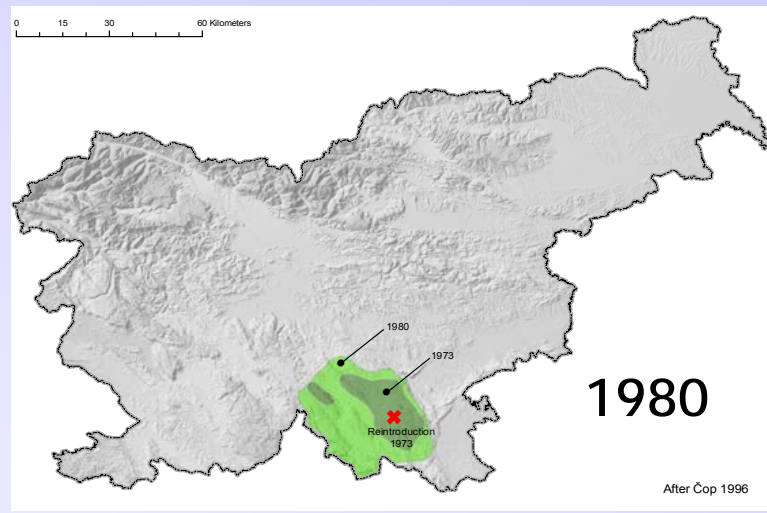
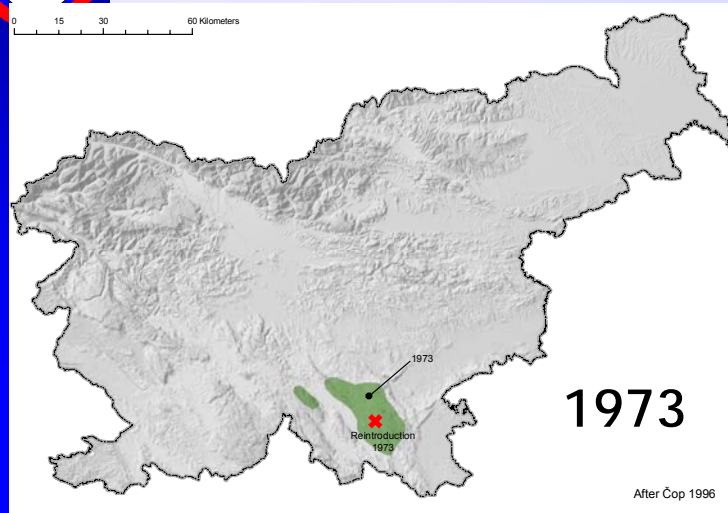


- 3 pairs from Slovakia
- Females and males were in pairs three months in quarantine in Kočevski rog

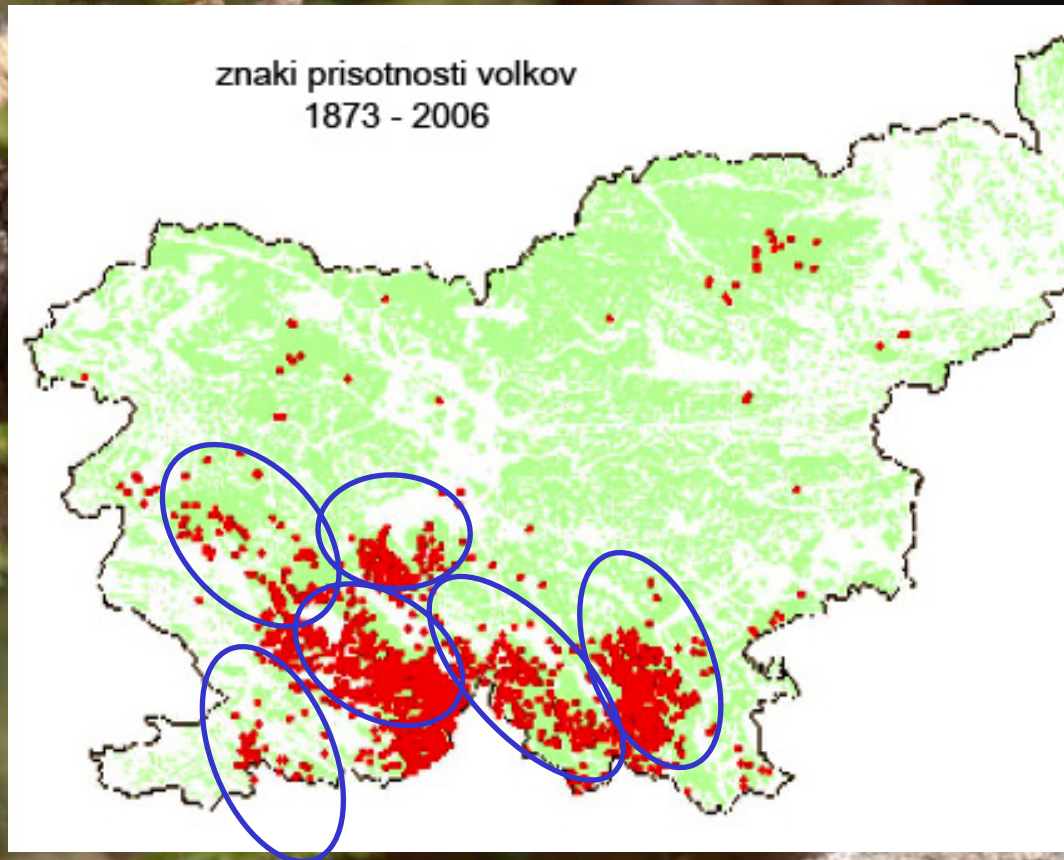
Without “homing behavior”



Population growth

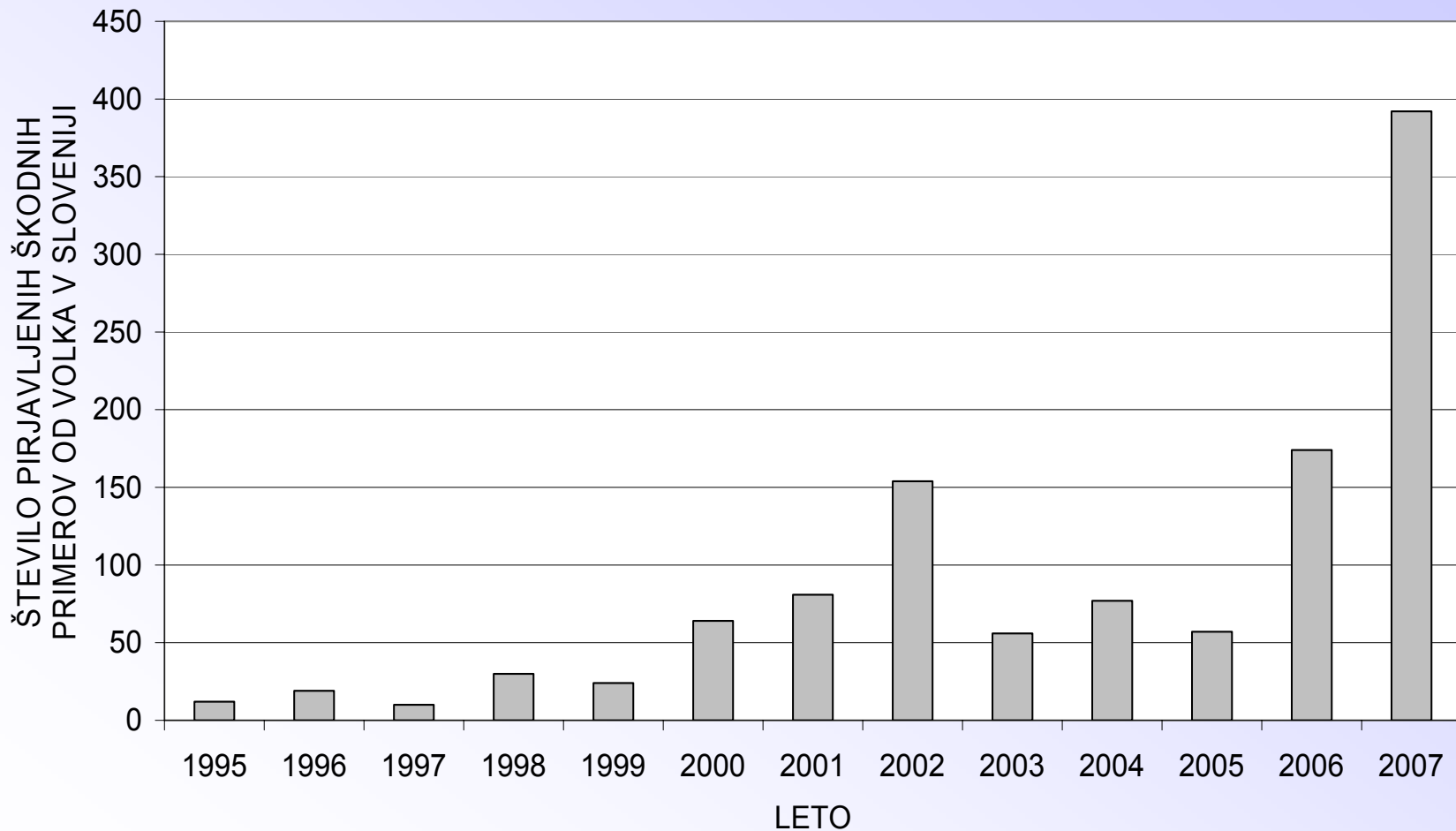


Wolf in Slovenia



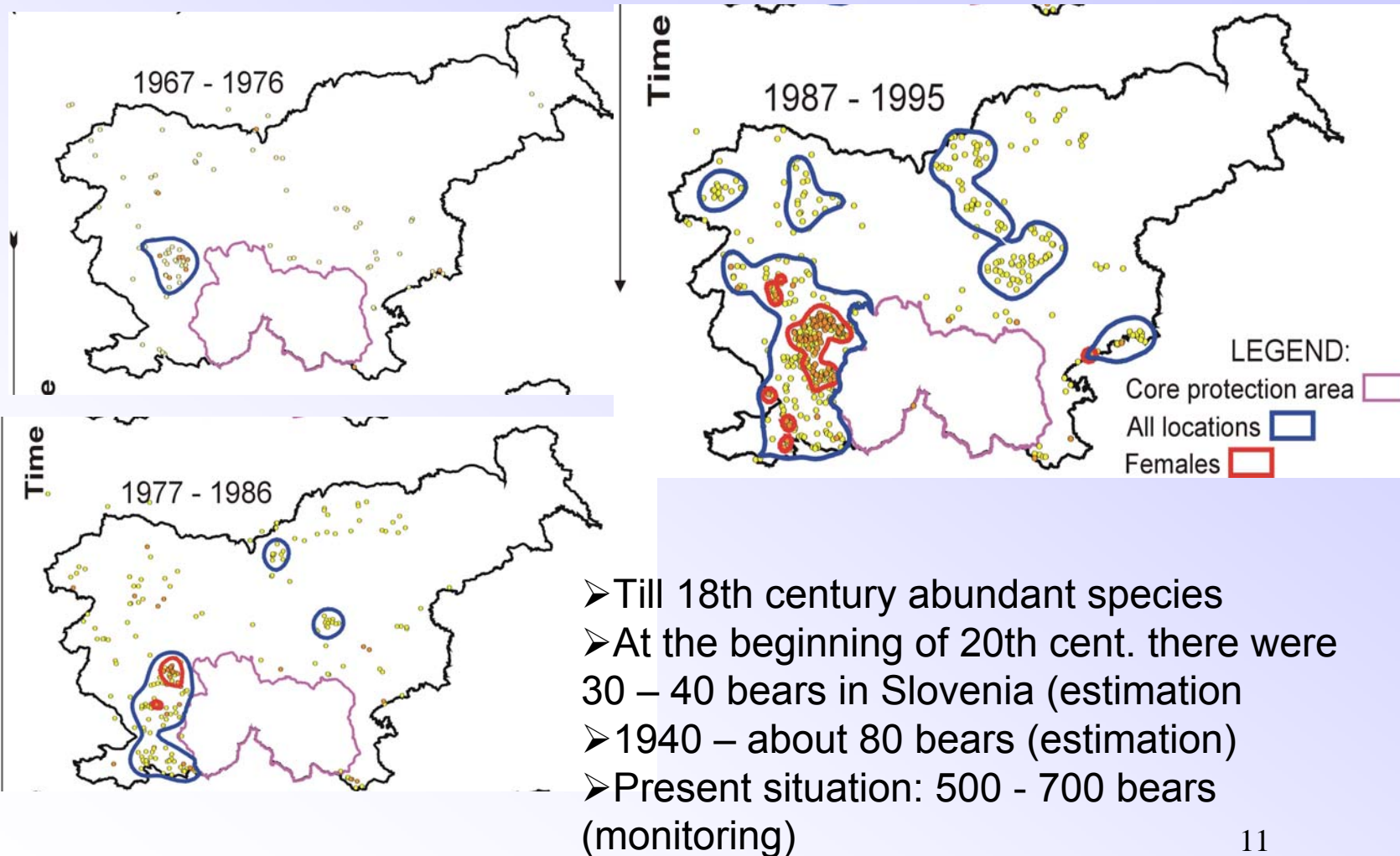


Conflicts between wolf and humans





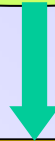
Brown bear spatial extension 1976 - 1995





Transposition of EU legislation

Habitats directive



Nature
Conservation Act

Decree on the protection
of wild animal species

Decree on special
conservation areas
NATURA 2000

Rules on taking of the
specimens of brown
bear (*Ursus arctos*)
from the wild

Legislation on impact assessment
of plans and projects on brown
bear (*Ursus arctos*)



Brown bear (*Ursus arctos*) Management Strategy in Slovenia (2002)

The aims of the strategy are:

- * long-term conservation of the brown bear species in Slovenia, including its habitat and**
- * ensuring coexistence of humans and bears.**

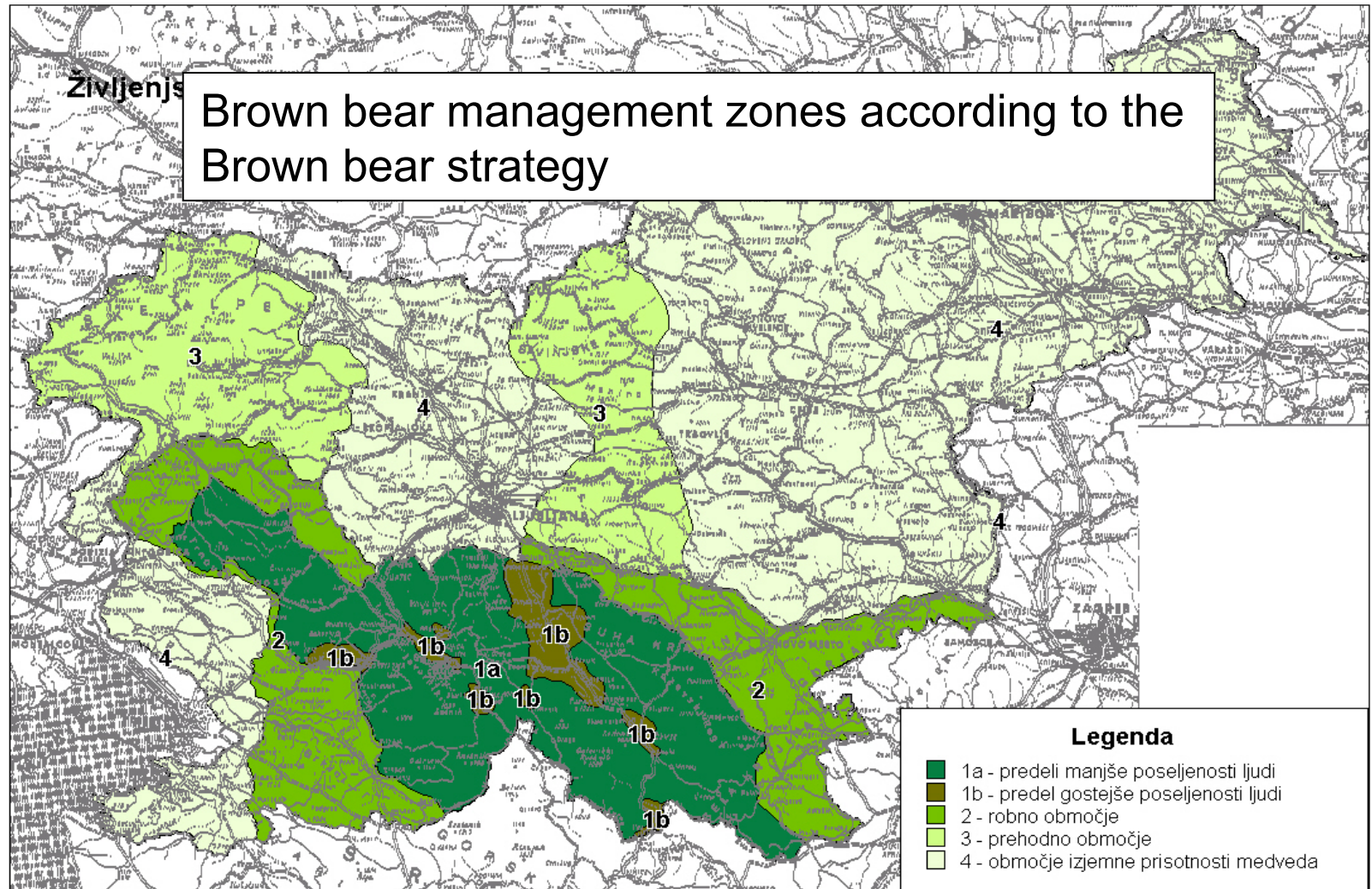


Which is the “happy” number?

- When setting objectives for a strategy plan the basic question is, what is the proper population size.
- Scientific aspect: carrying capacity of the area, intraspecific relations within the population, links between meta populations, genetics...
- **Social aspect:** level of acceptance in the local environment (social capacity)



Management zones





Organizational structure



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA OKOLJE IN PROSTOR

Ministry of Environment and Spatial Planning
Decision making
Policy
International matters



ZAVOD ZA GOZDOVE
SLOVENIJE

Slovenia Forest Service

technical issues:

monitoring

planning

damage assessing

Preparing expert opinion

intervention group...

expert
group

stakeholders

Environmental Agency

permitting

reporting

compensations



Zavod Republike Slovenije
za varstvo narave

Institute for Nature Conservation

technical advice



More information

Large Carnivores in Slovenia - Microsoft Internet Explorer

Datoteka Urejanje Pogled Priključene Orodja Pomoč

Nazaj Iskanje Priključene

Naslov http://www.mop.gov.si/en/areas_of_work/environment_directorate/sektor_za_politiko_ohranjanja_narave/large_carnivores_in_slovenia/ Pojdi Links

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> The Government of Slovenia
> Tomorrow

Large Carnivores in Slovenia (brown bear, wolf, lynx)

 Photo: Andrej Hudoklin

 Photo: Andrej Hudoklin

 Photo: Andrej Hudoklin

[The brown bear conservation and management in Slovenia](#) (Short version - pdf, 3 pp)
[The brown bear conservation and management in Slovenia](#) (Long version - pdf, 15 pp)
[The brown bear management in Slovenia Report 2007](#) (report to the Bern Convention Secretariat), March 2007 (pdf, 15 pp)
[Brown bear \(Ursus arctos\) management strategy in Slovenia, 2002](#) (pdf, 22 pp)

INSTITUTIONS WORKING ON large CARNIVORES IN SLOVENIA
Expert Institutions in Slovenia

- [Slovenian Museum of Natural History](#)
- [University of Ljubljana – Biotechnical Faculty, Department of Biology](#)
- [University of Ljubljana – Biotechnical Faculty, Department of Ecology and Evolutionary Biology](#)
- [University of Ljubljana – Biotechnical Faculty, Institut za zdravstveno varstvo in gojitev divjih živali](#) (in Slovenian language)
- [The Institute of the Republic of Slovenia for Nature Conservation](#)

Governmental bodies

- [Ministry of the Environment and Spatial Planning](#)

http://www.mop.gov.si/en/areas_of_work/environment_directorate/sektor_za_politiko_ohranjanja_narave/large_carnivores_in_slovenia/

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