

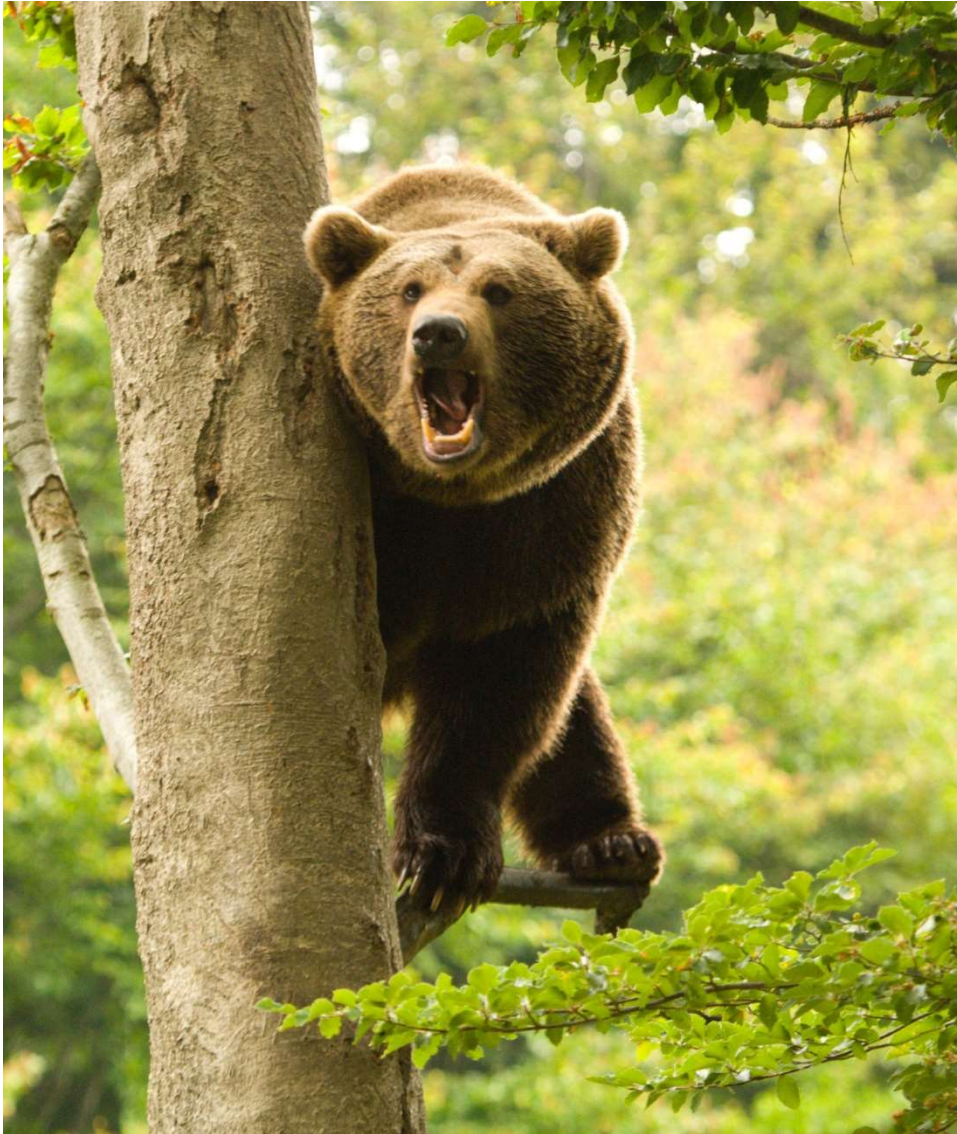
Management of Large Carnivores in Slovakia



State Nature Conservancy of the Slovak Republic

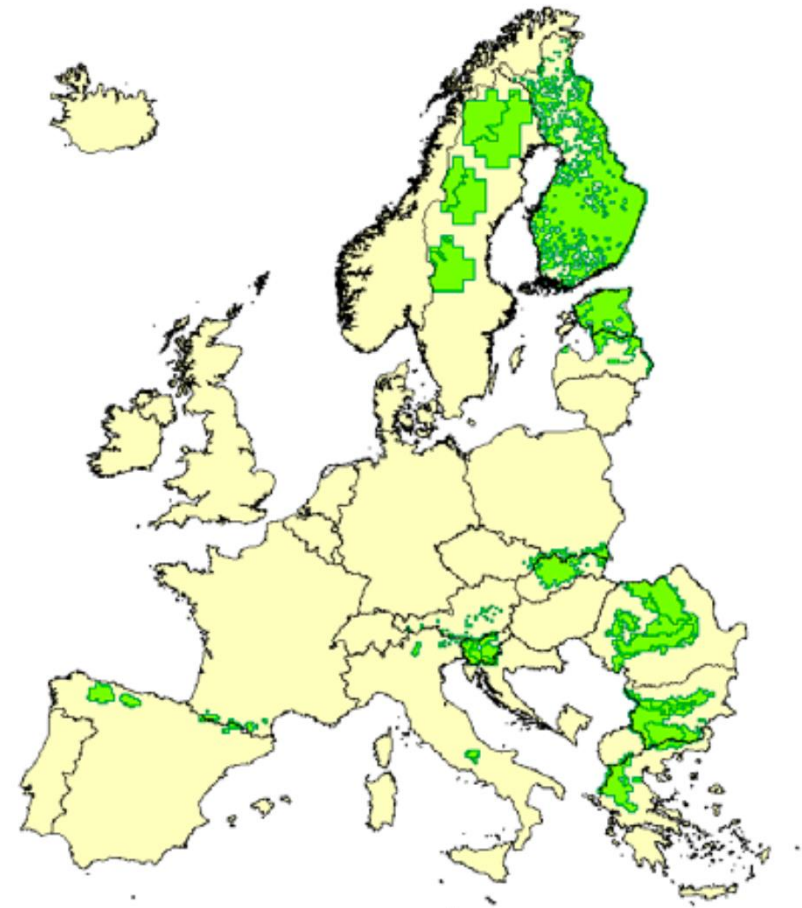
Large Carnivores Protection in the Carpathians, Rožnov p. R., CZ, 18 Oct. 2016

Distribution and abundance of brown bear in the Carpathians

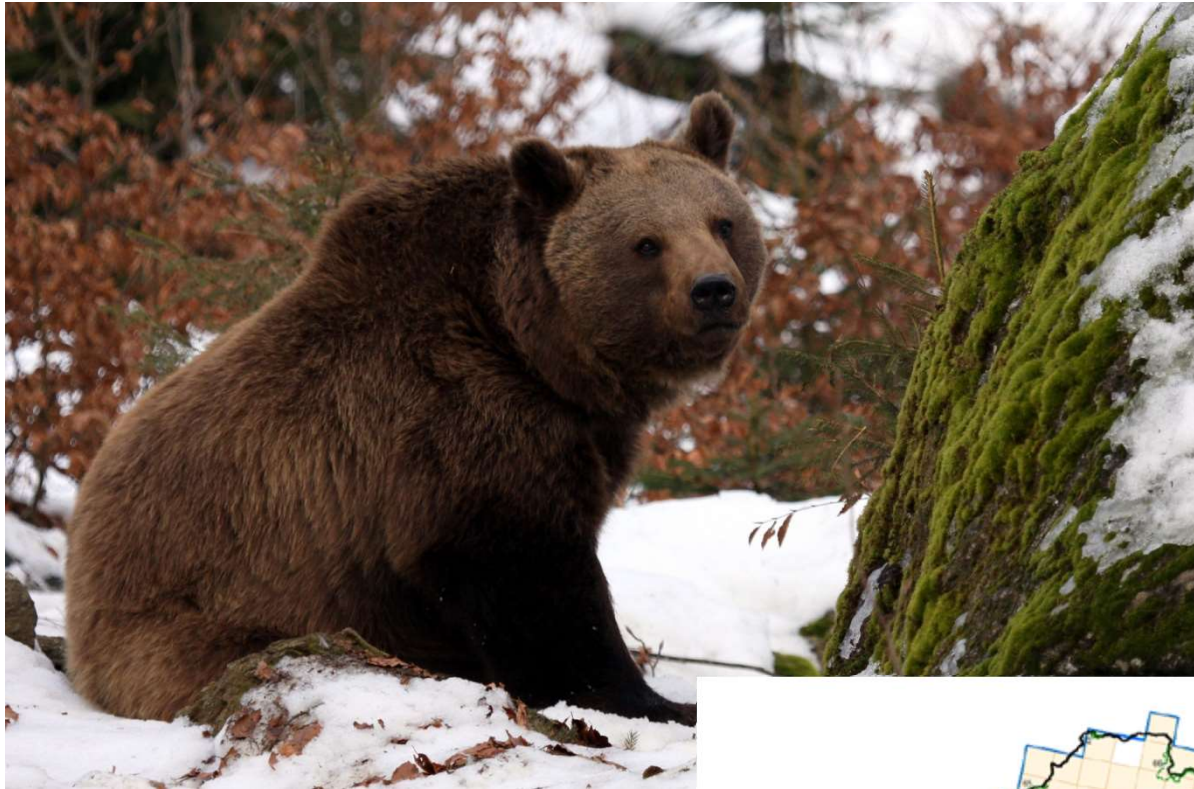


Population abundance
in the Carpathians:

7 200 (Chapron *et al.* 2014)

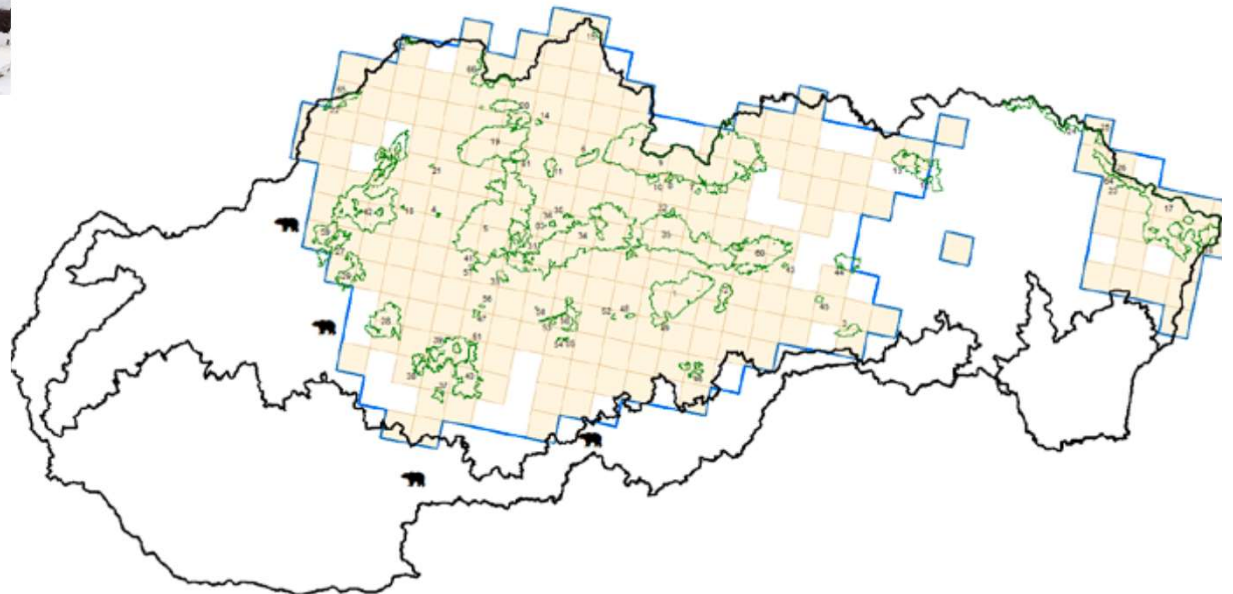


Distribution and abundance of bear in Slovakia

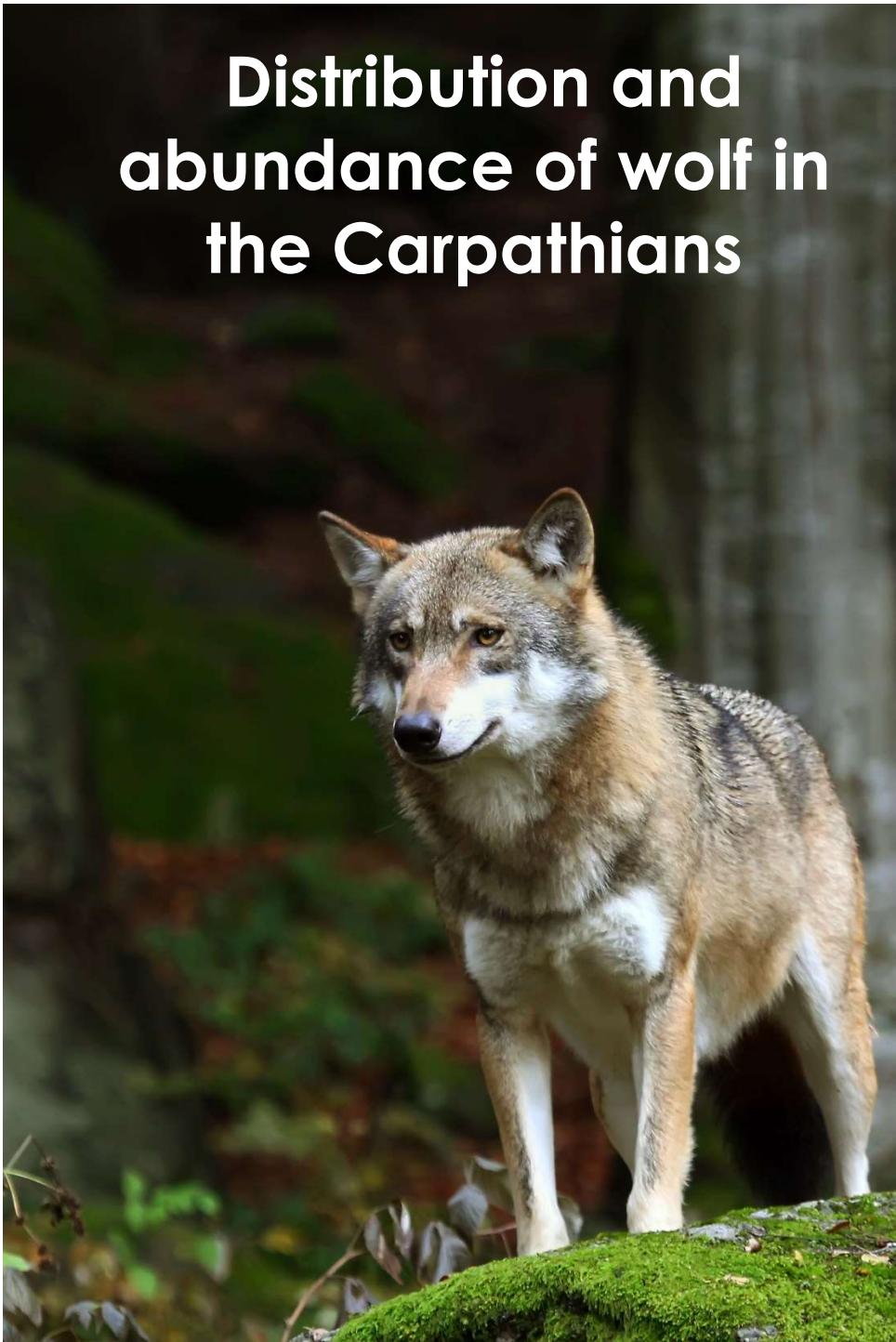


Population
abundance in
Slovakia:
estimated
abundance
(DNA analysis)
1256 (1023-1489)

Population
trend in
Slovakia:
increasing

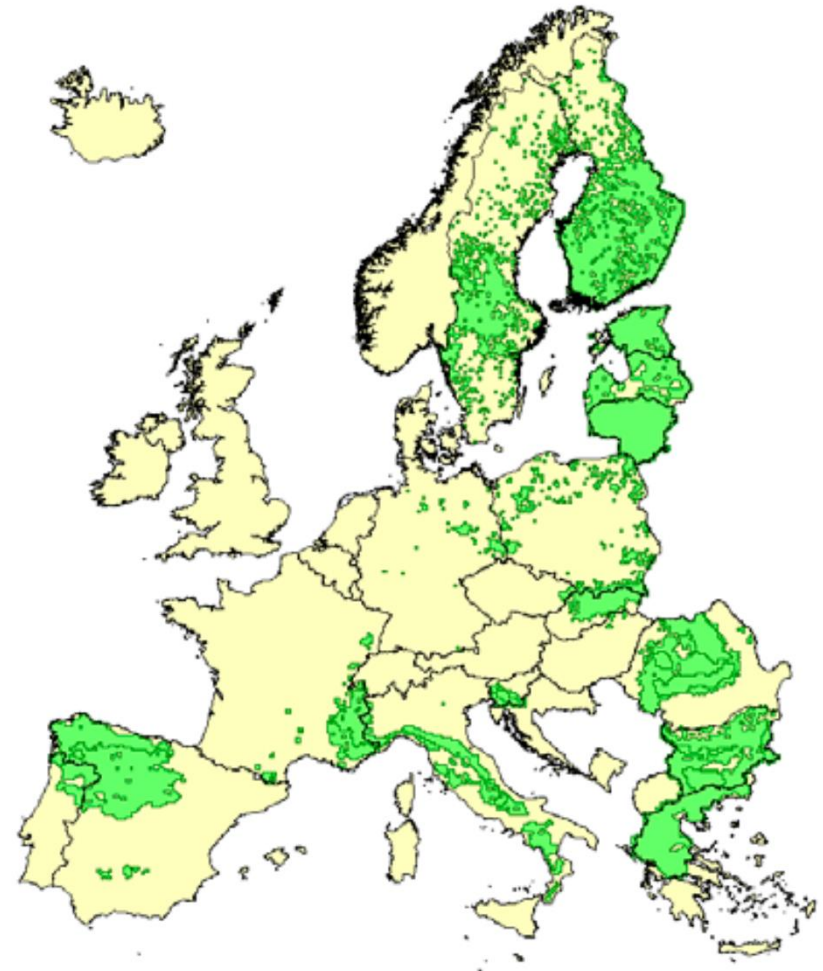


Distribution and abundance of wolf in the Carpathians



Population abundance
in the Carpathians:

3 000 (Chapron *et al.* 2014)

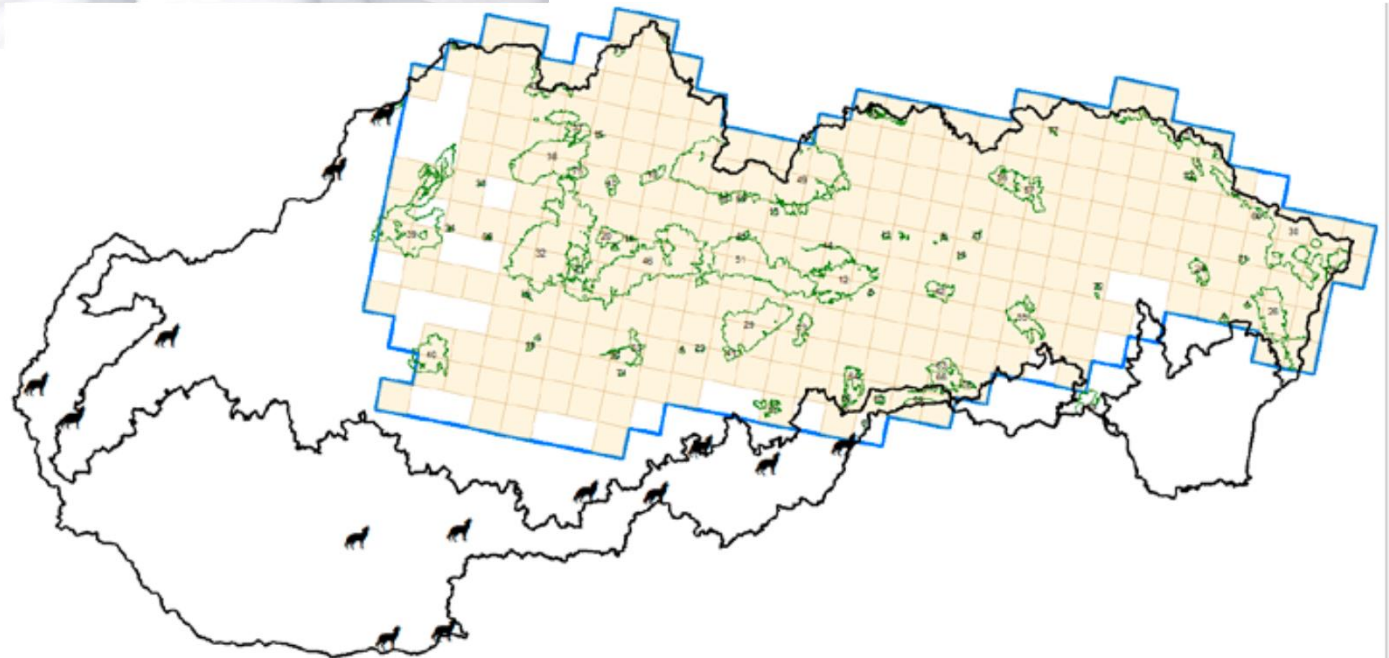


Distribution and abundance of wolf in Slovakia

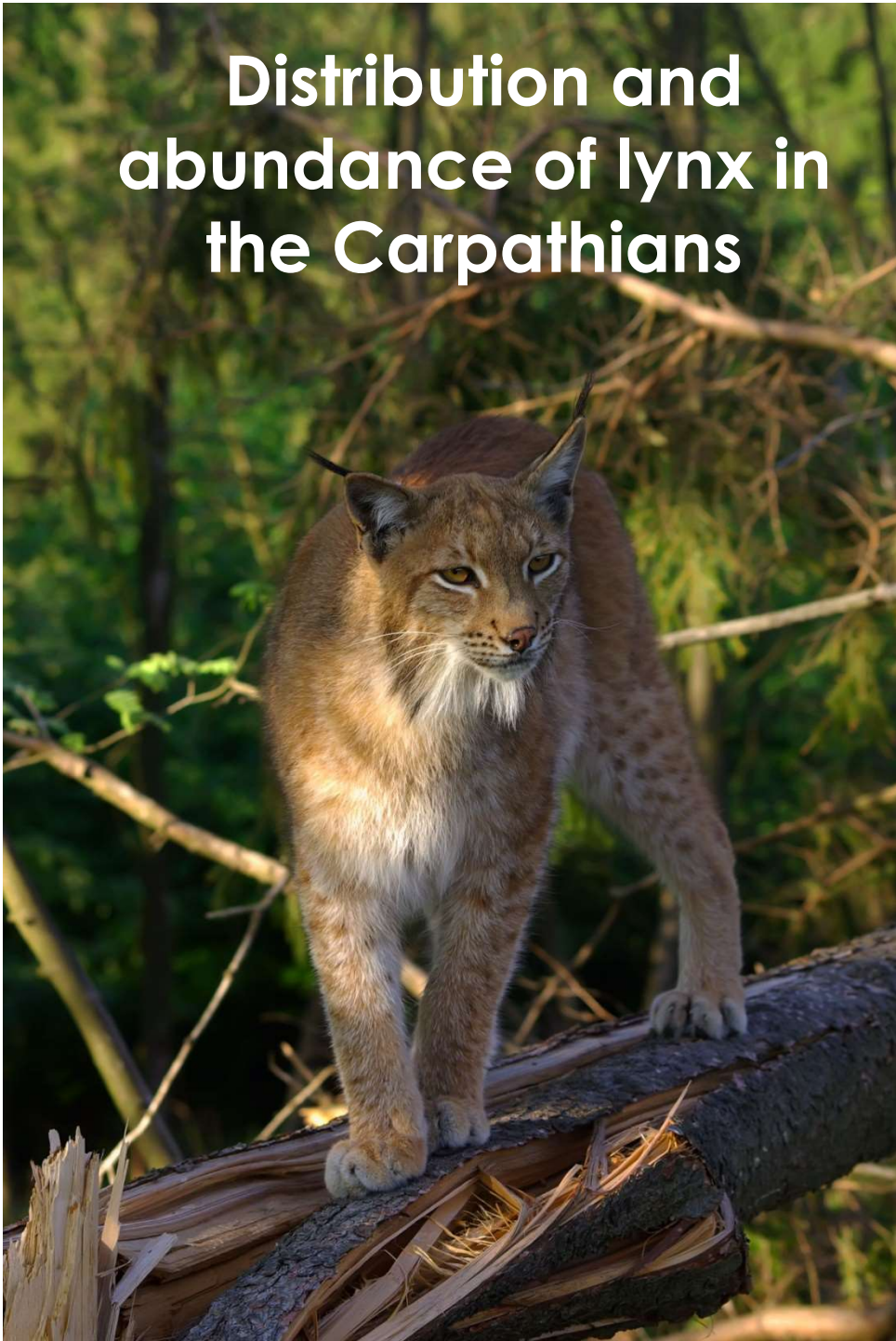


**Population
abundance in
Slovakia:
300 - 450**

**Population trend in
Slovakia: stable
and slightly increasing**

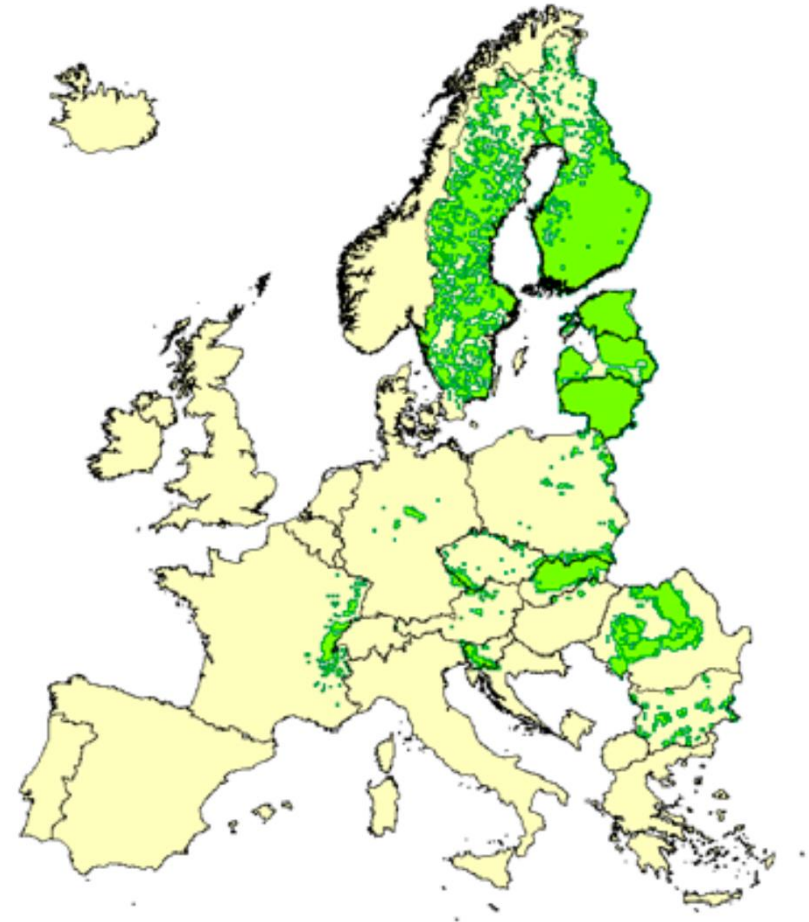


Distribution and abundance of lynx in the Carpathians

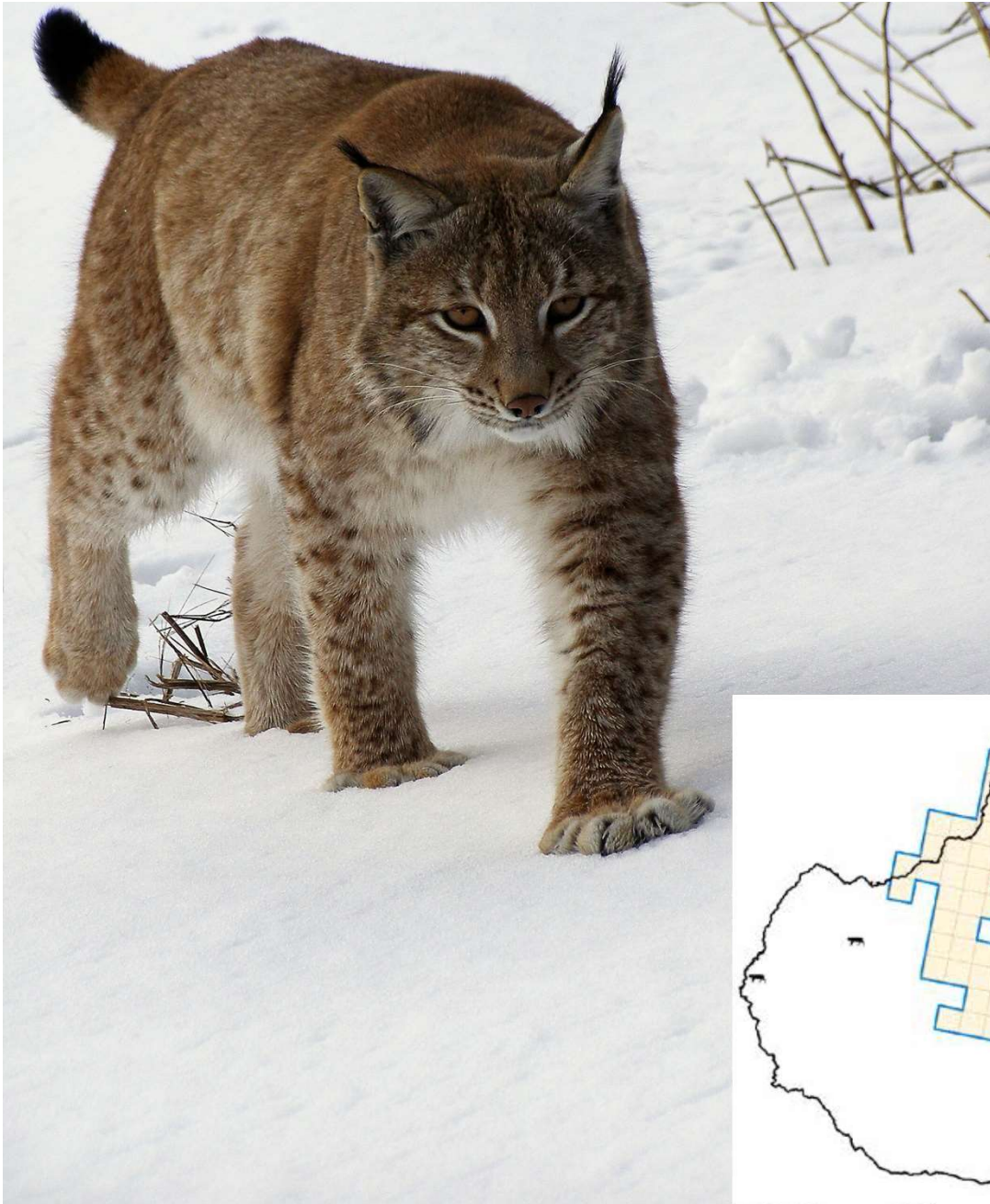


Population abundance in the Carpathians:

2300-2400 (Chapron *et al.* 2014)

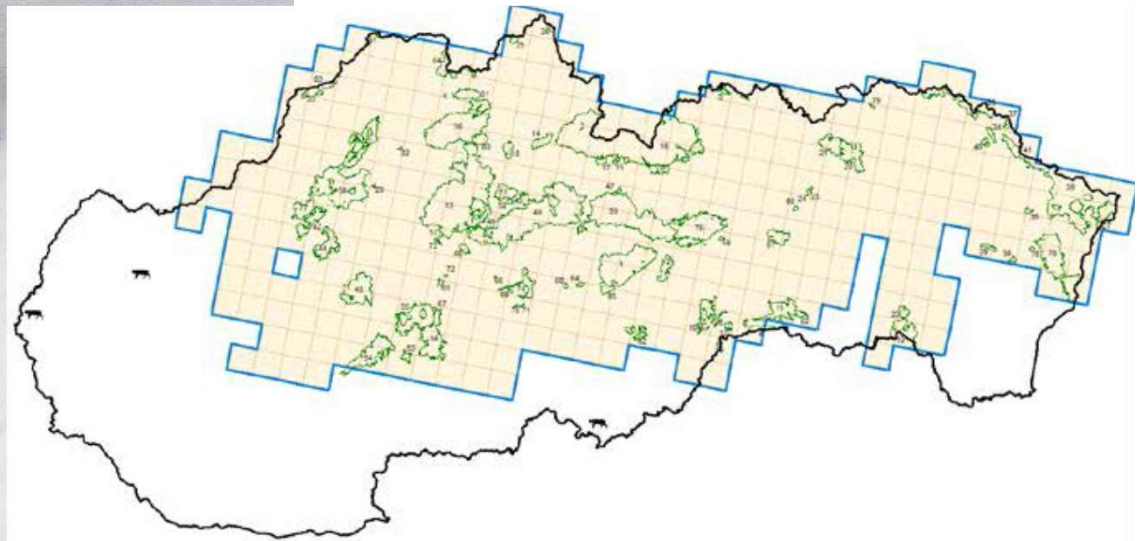


Distribution and abundance of lynx in Slovakia



**Population
abundance in
Slovakia:
300 – 400**

**Population trend in
Slovakia: stable**



Management of brown bear in Slovakia

European Legislation: Habitats Directive 92/43/EHS, Annex II (66 SCIs, 421 598 ha), Annex IV

Bern Convention

National Legislation: Nature and Landscape Protection Act 543/2002 Coll. – protected all year round

National Legislation: Hunting Act 274/2009 – protected all year round

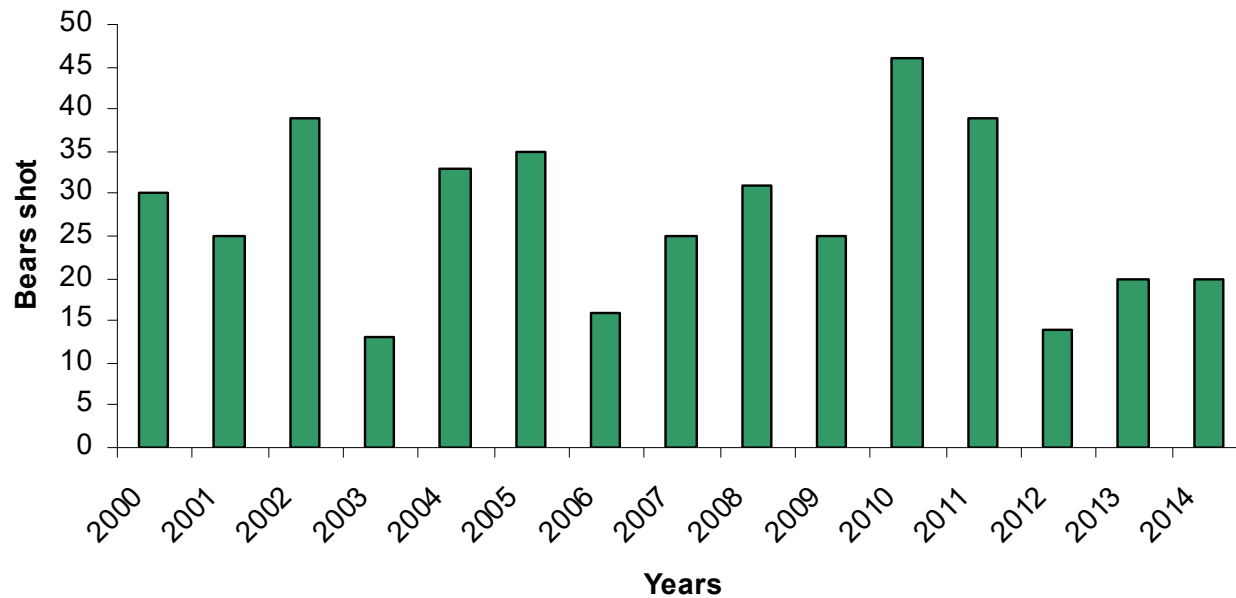
Brown Bear Management Plan



Management of brown bear in Slovakia

Reasons for exemptions from protection

- To prevent serious damages to crops and domestic animals, or other type of property
- In the interest of safeguarding public health and safety
- Yearly shooting quota



Management of wolf in Slovakia

European Legislation: Habitats Directive 92/43/EHS, Annex II (79 SCIs, 435 383 ha), Annex V (geographic exemption applies)

Bern Convention

Nature and Landscape Protection Act 543/2002 Coll.
- protected during a period of time

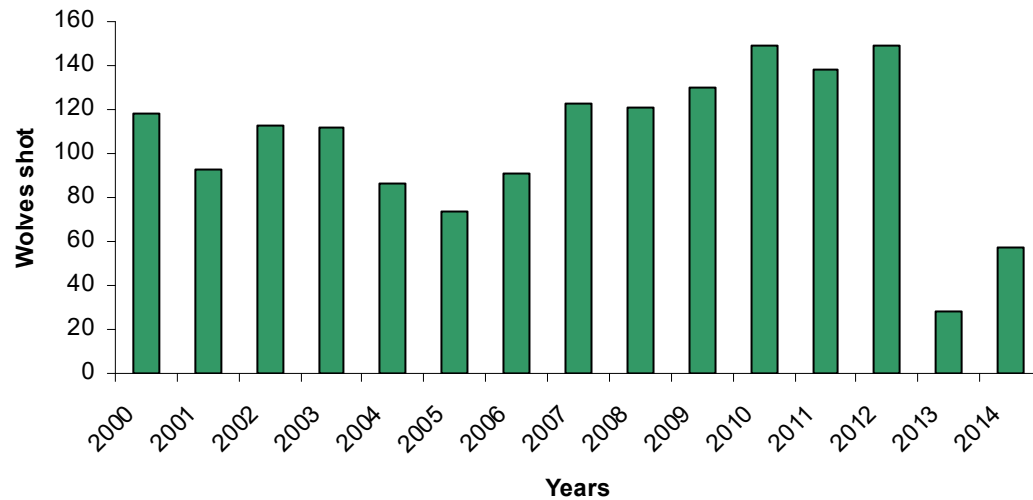
Hunting Act 274/2009
- hunting season specified
1 Nov – 15 Jan

Grey Wolf Management Plan



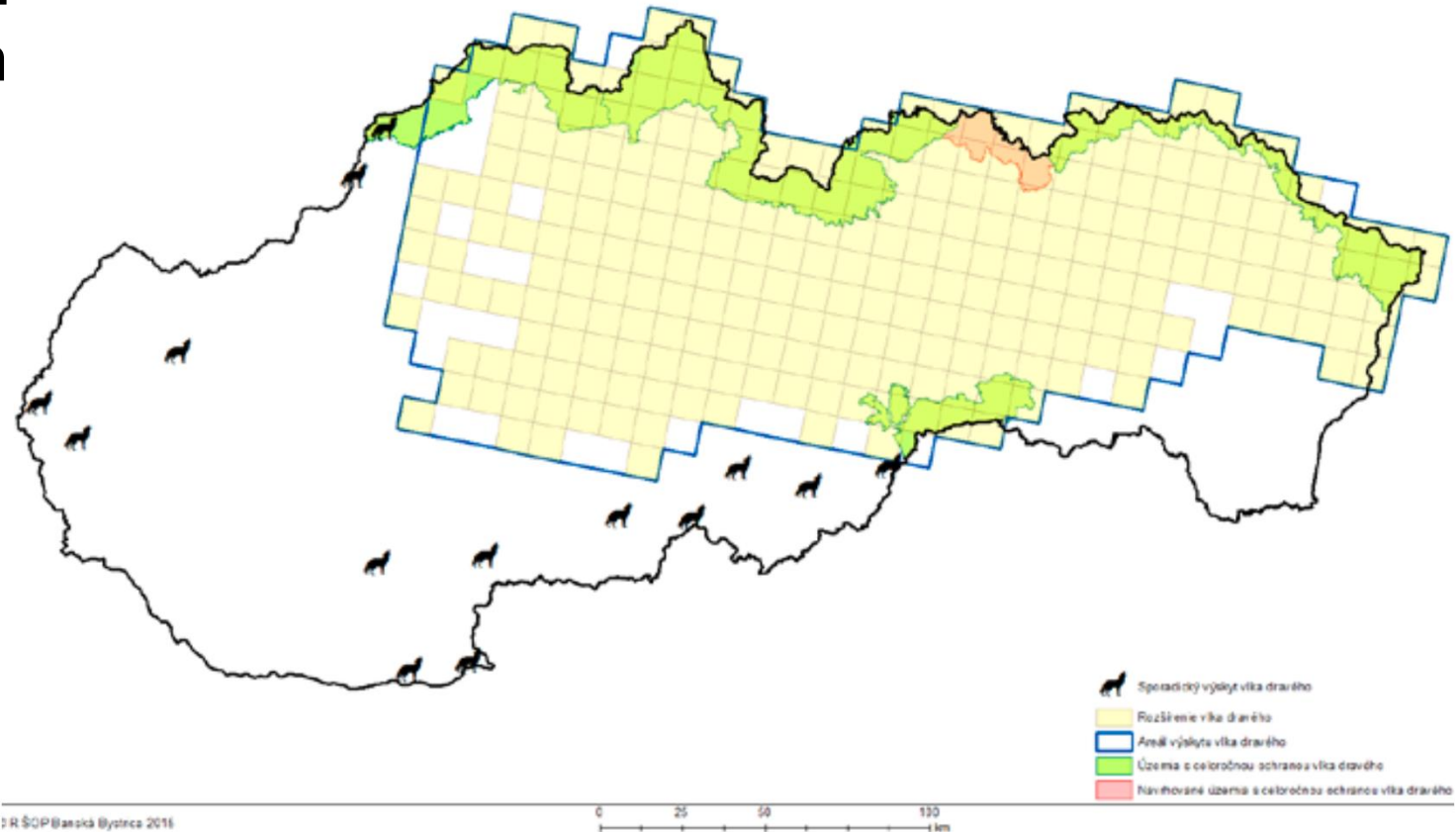
Management of wolf in Slovakia

Current status of yearly shooting



Management of wolf – crossborder cooperation

Protected
all year
round in
the border
areas with
Poland,
Czech R.
and
Hungary



Management of lynx in Slovakia

European Legislation:
Habitats Directive 92/43/EHS,
Annex II (85 SCIs, 469 397ha)
Annex IV

Bern Convention

Nature and Landscape
Protection Act 543/2002 Coll.
- protected all year round

Hunting Act 274/2009
- protected all year round

Lynx Management Plan





Research in Slovakia

**Genetic research of
brown bear population
- monitoring and
abundance data based
on DNA analysis**

**Research of brown bear
spatial activity, home
ranges based on
telemetry monitoring**

Phototrap monitoring



Research in Slovakia future plans

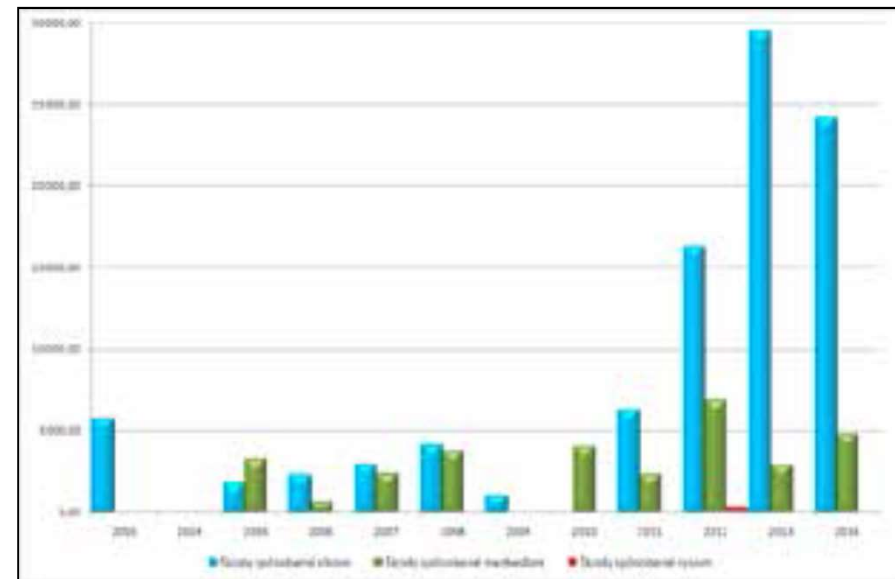
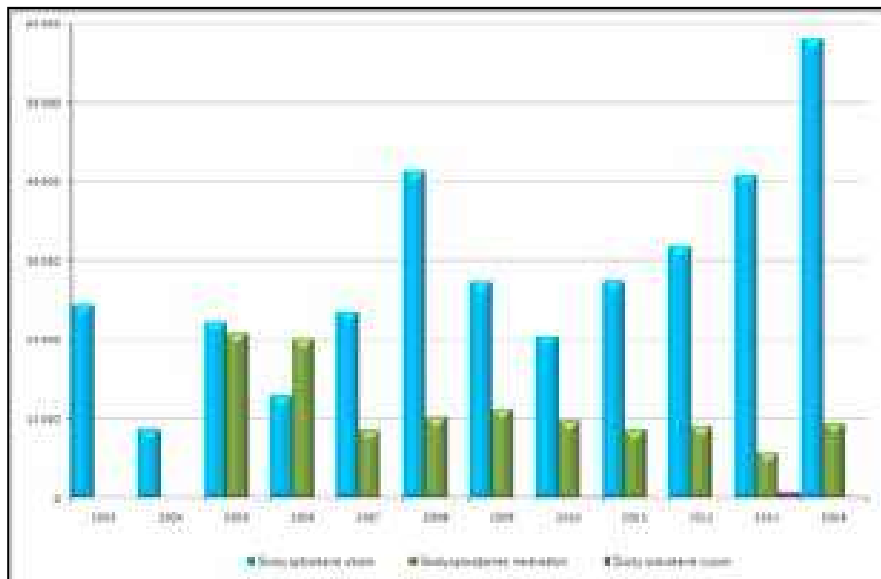
**Large scale
monitoring of brown
bear on stationary
plots**

**Telemetric
surveillance of grey
wolf population,
recordings of
reproductive pairs or
new born cubs**

Conflicts - Predation of farm animals



Damages caused by bear, wolf and lynx to sheep and goats to cattle



**Conflicts (bear) -
damages to crops,
fruit trees, beehives
and properties and
dangerous encounters
with humans**



Measures

- **Application of preventive measures** (electric fences, shepherd dog breeds...)
- **Change of crop composition**
- **Management of ungulates**
- **Securing of waste disposal in certain areas**
- **Scaring off, immobilisation or killing of problematic individuals**
- **Damage compensations (after an investigation)**
- **Bear Management Team**
- **Brown Bear Conservation and Management Committee**

Threats

Illegal killing

**Local excessive
hunting
(overhunting)**

**Isolation
(area / habitat
fragmentation)**

Traffic collisions

**Negative attitude of
the public**





Thank you for your attention