

A large brown bear stands in a forest, looking towards the camera. The bear is positioned on the left side of the frame, with its body angled slightly to the right. It has a thick, dark brown coat and is standing on all fours. The background consists of several large, tall trees with textured bark. The lighting suggests a bright day in a natural woodland setting.

Monitoring of large carnivores in Slovakia

Slavomír Findo
Slovak State Nature Conservancy

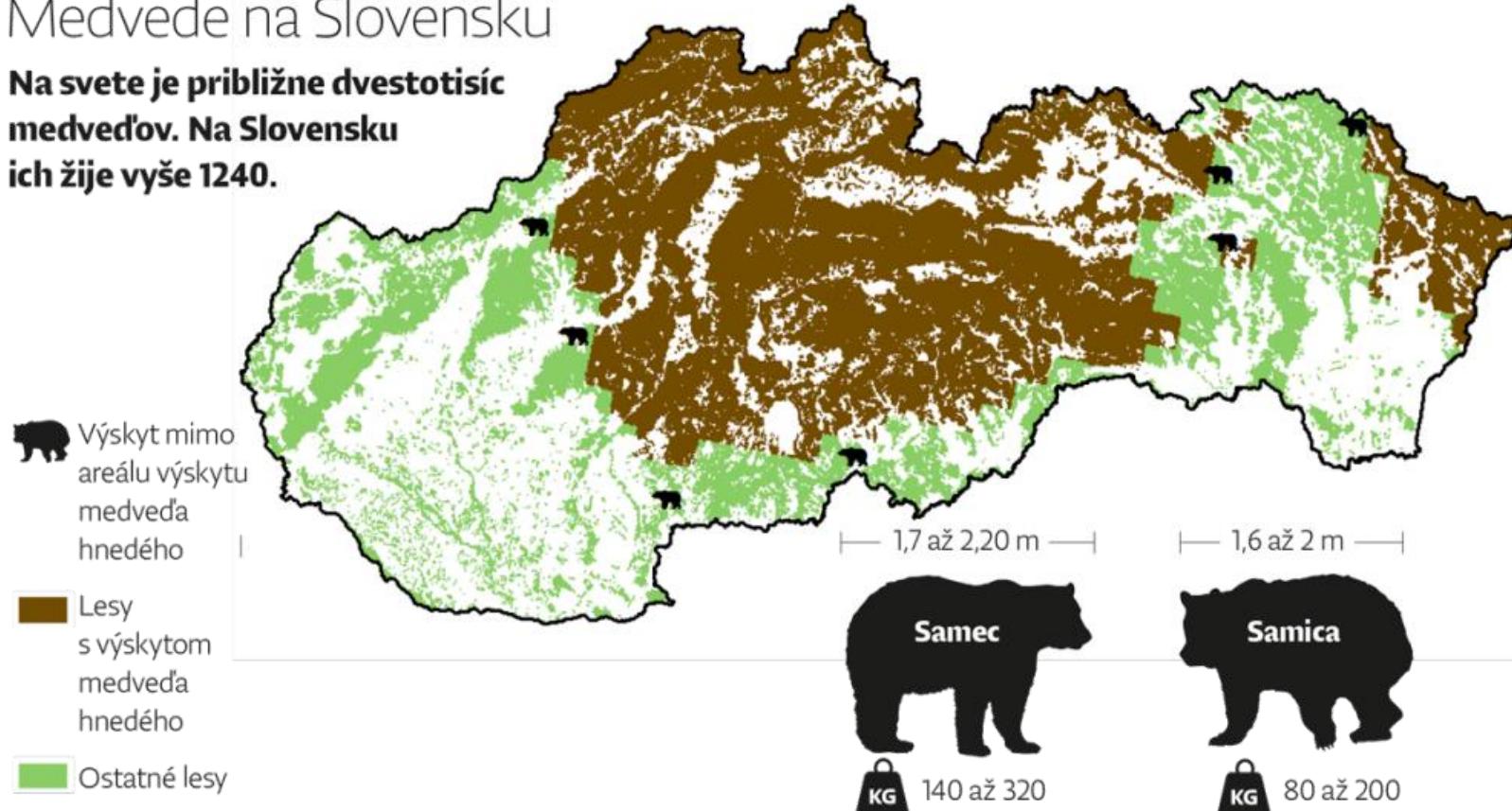
Distribution of bears, wolves and lynx

- **Comprehensive information and monitoring system – KIMS
(Ministry of environment)**
- **Hunting statistics
(Ministry of agriculture and rural development)**



Medvede na Slovensku

Na svete je približne dvestotisíc medveďov. Na Slovensku ich žije vyše 1240.

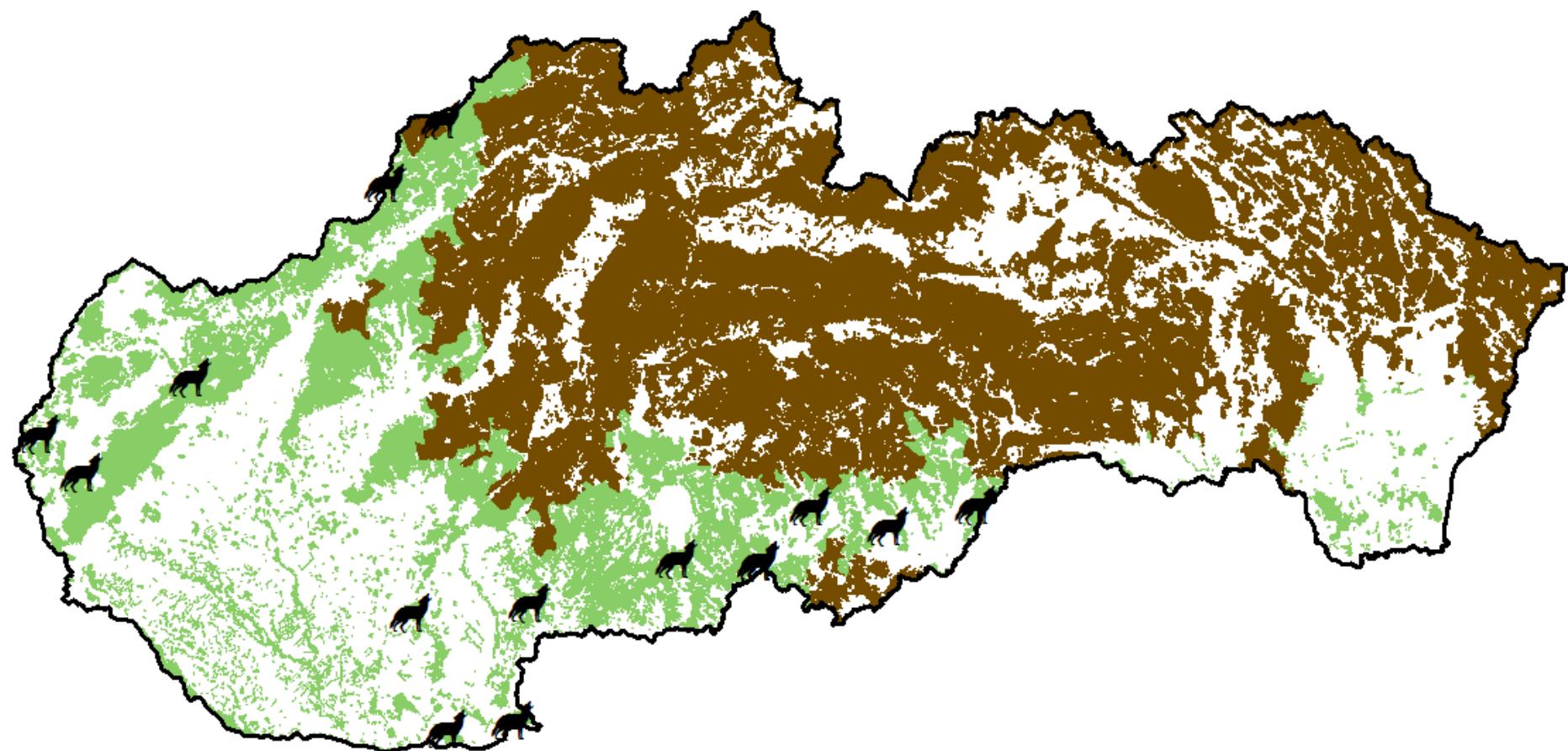




Výskyt mimo areálu rozšírenia vlka dravého (1984 - 2015)

Brown color box: Lesy osídlené vlkom dravým (1984 - 2015)

Green color box: Ostatné lesné porasty bez zaznamenaného výskytu vlka dravého



0 25 50 75 100 km

■ Адміністративні райони

■ Статус земельних ділянок

■ Землі, які не використовуються



Estimation of population size

Natiowide – bear, wolf packs

Model areas – wolf, lynx

Assessments of conservation status of species and habitats

Management purposes

- Noninvasive DNA sampling (bear and wolf)
- Camera trapping (lynx- CMR)
- Snow tracking (wolf, lynx in selected model areas)
- Summer monitoring of breeding wolf packs (nationwide)
- Bear observation (Malá Fatra Mts)
- Hunting statistics (bear, wolf, lynx)

Noninvasive DNA sampling CMR of bears

- Nationwide
- 2013 – 2015
- Estimated population size 1 256, range 1 023 – 1 489
- Sex ratio 1 : 1.37 in favor of females

Copyright: Slovak State Nature Conservancy

Wolf monitoring in Liptov region – Northern Slovakia

Non-invasive DNA sampling CMR

In 2016 – 45 wolves

Population size overestimated in official hunting statistics approx, 6 times.

Authors: R. Rigg, M. Jelenčič, M. Konec, P. Bedo, S. Puls and T. Skrbinšek

Lynx monitoring – Štiavnické Mts and Veľká Fatra Mts

**Camera trapping 2013/2014
Sample size 843 images**

Štiavnické Mts	7 lynx
Veľká Fatra Mts	9 lynx

Authors: R. Rigg and J. Kubala

Assessment of damage to livestock and other human properties

Since 2002 (Act 543/2002) introduced damage compensation. Every reported damage has to be assessed by a group of 2-3 experts.

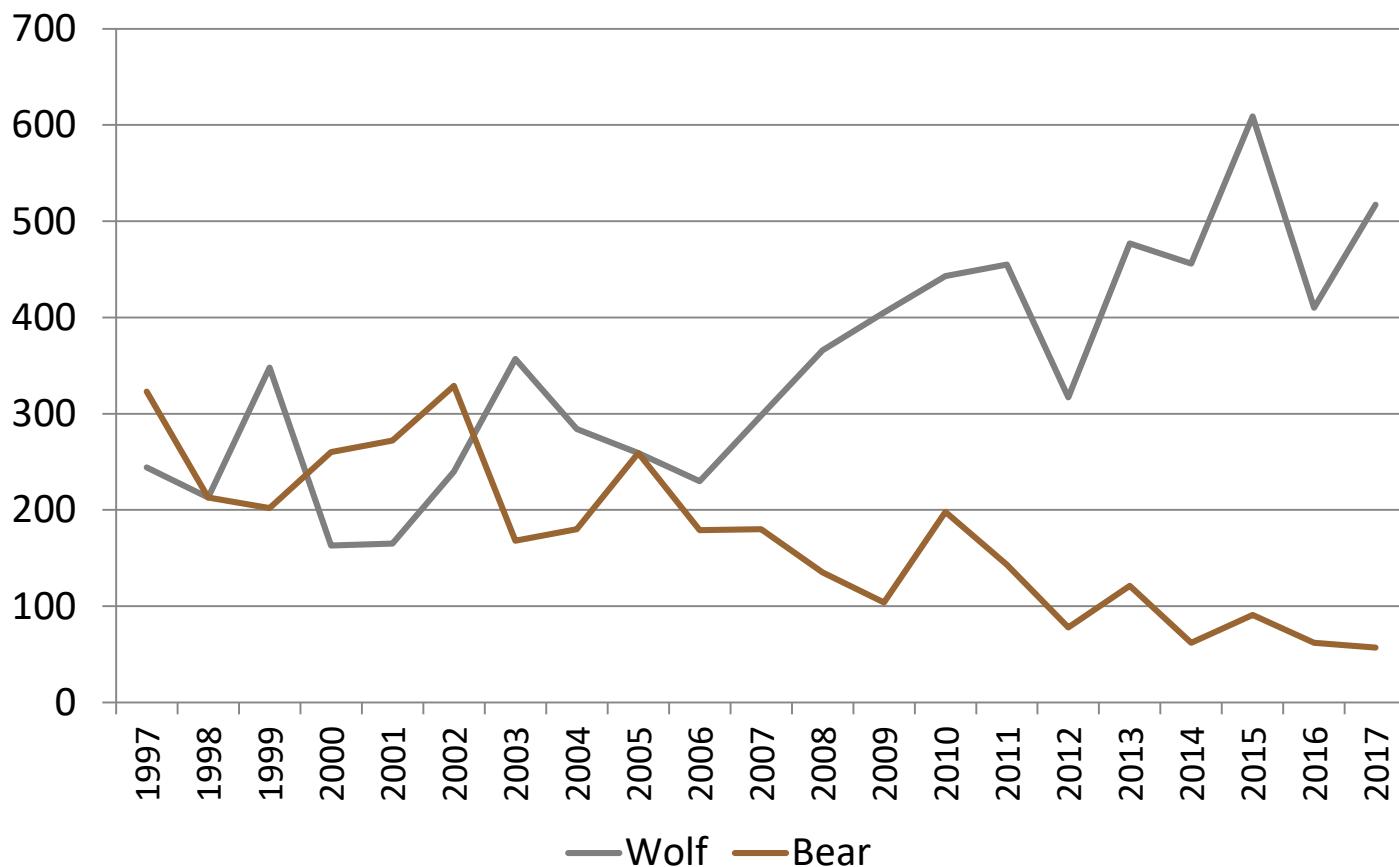
**District Office, Department of Environmental Care
(Ministry of Interior)**

**Results reported to the Slovak State Nature Conservancy
(Ministry of Environment)**

Type o damages:

- Wolf and bear attacks to livestock (sheep, goats, cattle)
- Damage caused by bears to beehives, crops (corfields), fruit trees, small domestic animals (rabbits, poultry), livestock guarding dogs
- Health care after bear attack to a human being

Number of sheep/goats killed by wolves and bears



A dynamic photograph of a German Shepherd dog in mid-stride, running from left to right across a grassy hillside. The dog's body is angled, with its front legs extended forward and back legs pushing off. Its dark brown and tan coat is visible against the bright green grass. The background is blurred, suggesting motion, and the foreground shows a mix of green grass and dry, yellowish-brown earth.

Thank you for your attention