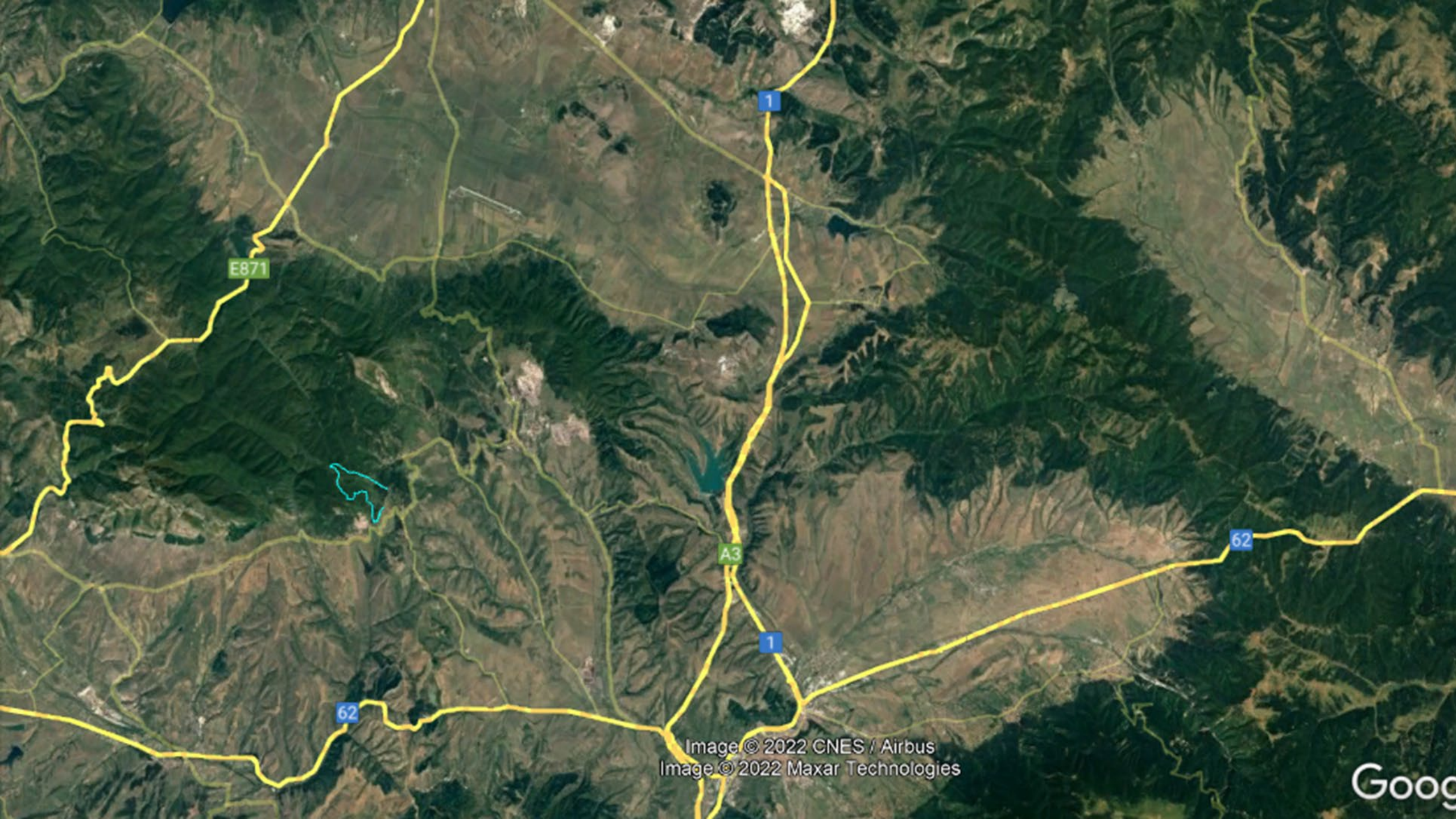


Monitoring permeability of defragmentation facilities on Struma Motorway, Section 1, Rila-Verila-Kraishte Pilot Area

**Transnational Experience Exchange Workshop
Dupnitsa, Bulgaria, 11-12 May 2022**

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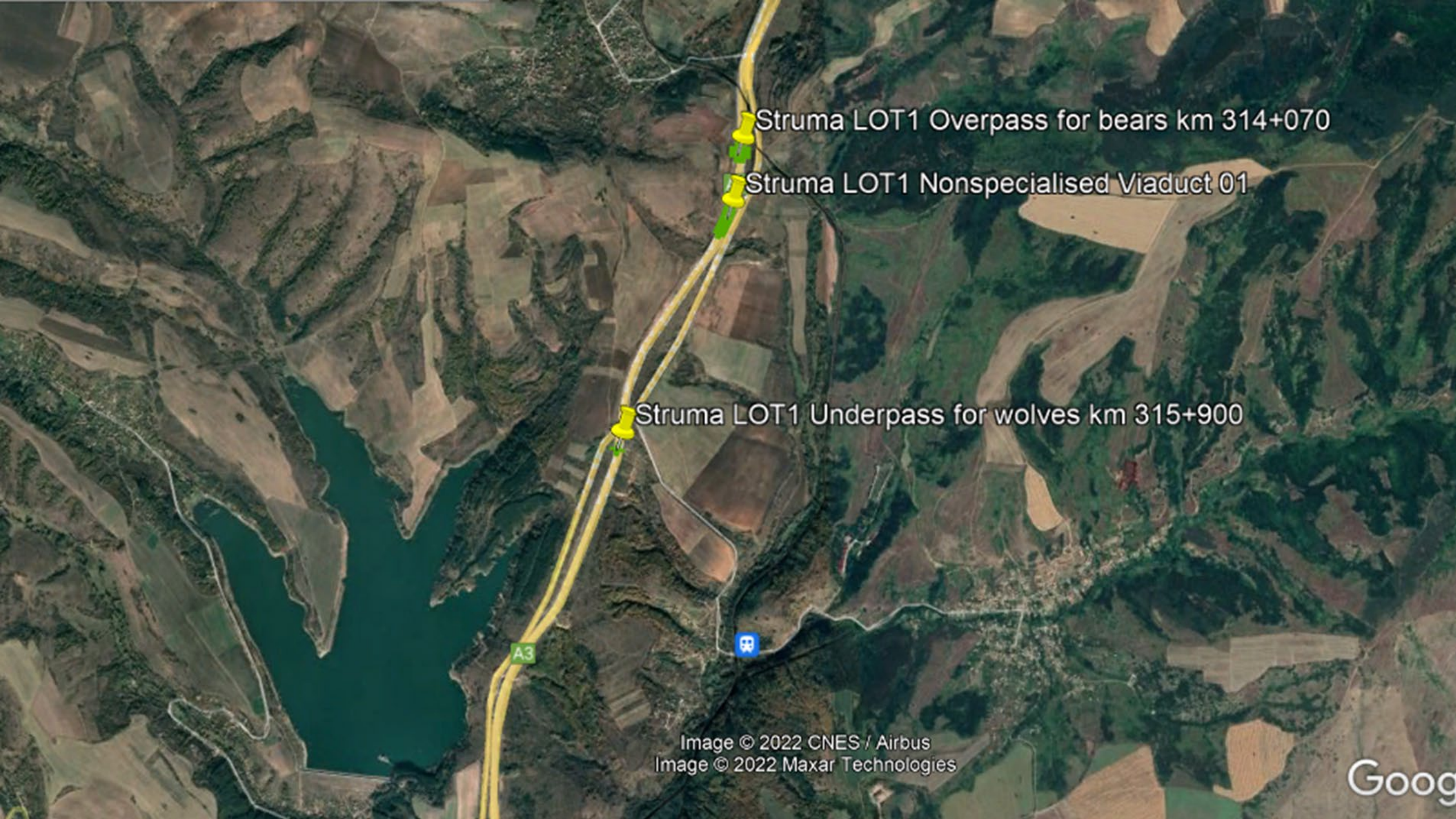
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Goog



Struma LOT1 Overpass for bears km 314+070

Struma LOT1 Nonspecialised Viaduct 01

Struma LOT1 Underpass for wolves km 315+900

A3

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Image © 2022 Maxar Technologies

Goog

The facilities - Overpass



Petko Tzvetkov, BBF

The facilities - Viaduct



The facilities - Underpass





Methods of monitoring

- Tracking on mud and snow
- Camera traps



Tracking on mud and snow



Tracking on mud and snow



Tracking on mud and snow



Tracking on mud and snow

Species recorded:

Golden jackal - *Canis aureus*

Fox - *Vulpes vulpes*

Badger - *Meles meles*

Hare - *Lepus europaeus*

Otter - *Lutra lutra*

Cat - *Felis sp.*



Camera trapping



Camera trapping

Results from nine camera traps:

- Three camera traps on the overpass
- Four camera traps in the viaduct
- Two camera traps in the tunnel
- Photo, video and photo+video modes were tested



Camera trapping - the overpass



Camera trapping - the viaduct



Camera trapping – the underpass



Camera trapping – species recorded

- Golden jackal - *Canis aureus*
- Fox - *Vulpes vulpes*
- Badger - *Meles meles*
- Hare - *Lepus europaeus*
- Stone marten - *Martes foina*
- Domestic cat - *Felis catus*

Thanks for your interest!



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