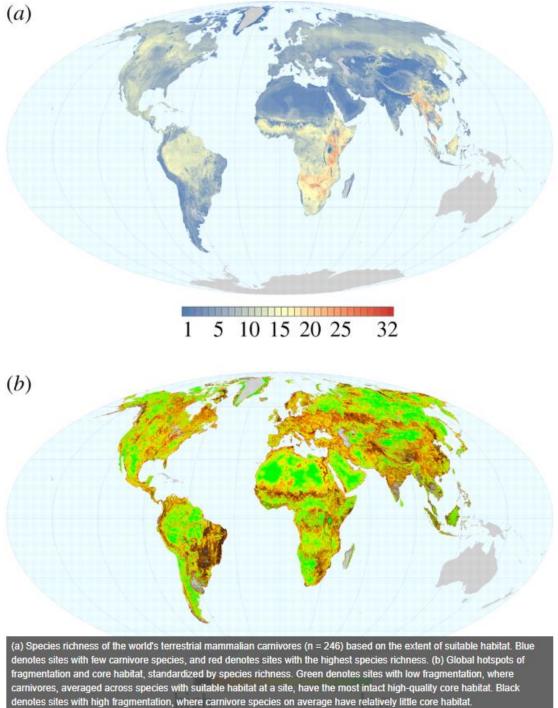


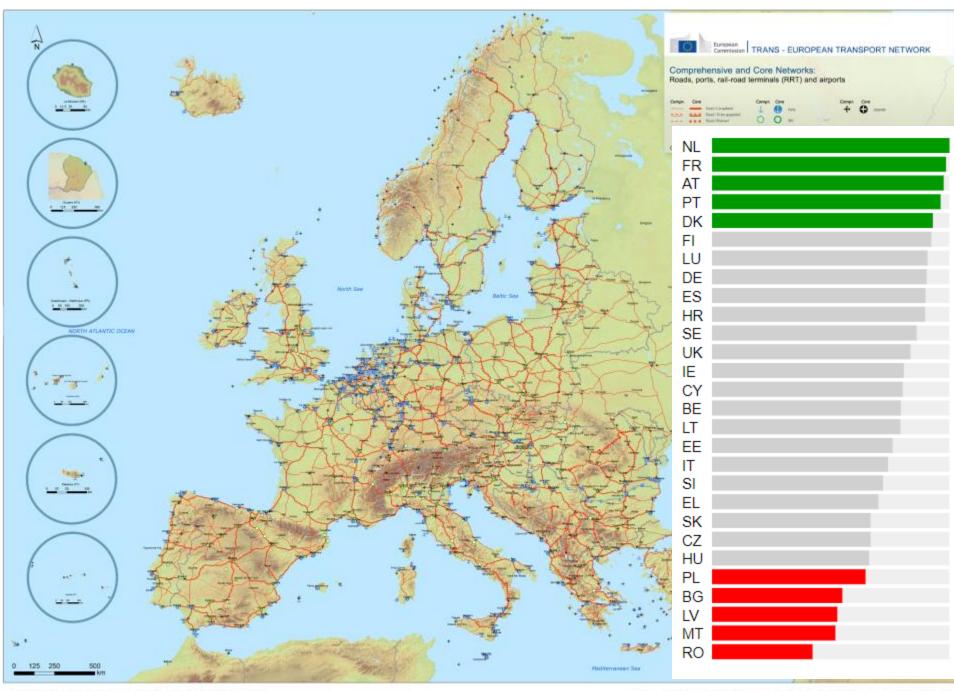
## Securing ecological connectivity in Romania and in the Carpathian Ecoregion

ELC & Biodiversity WG Meeting of the CC 26<sup>th</sup> of November 2019 Cristian-Remus Papp, Wildlife and Landscape National Manager, WWF RO

Project co-funded by European Union Funds (ERDF, IPA)









### Threats to biodiversity (IUCN-CMP)

ConnectGREEN

#### 4. Coridoare de transport și servicii in cadrul ariei protejate

(Amenintări provenite de la coridoare înguste, lungi de transport și vehiculele care le utilizează incluzând mortalitatea în rândul speciilor de plante și animale sălbatice asociate)

4.1 Drumuri și căi ferate (include animalele ucise pe acestea)	40.23%
4.2 Linii de comunicații și utilități (de ex. cabluri electrice, linii de telefonie, etc.)	28.74%
4.3 Culoare și canale de navigație	10.34%
4.4 Căi aeriene	8.05%

#### 7. Modificări ale sistemelor naturale

(CCPAMETT, 2018)

(Amenințări rezultate din alte activități ce transformă sau degradează habitatul sau schimbă modul de funcționare al ecosistemului)

28.74%
29.89%
43.68%
27.59%
21.84%
21.84%

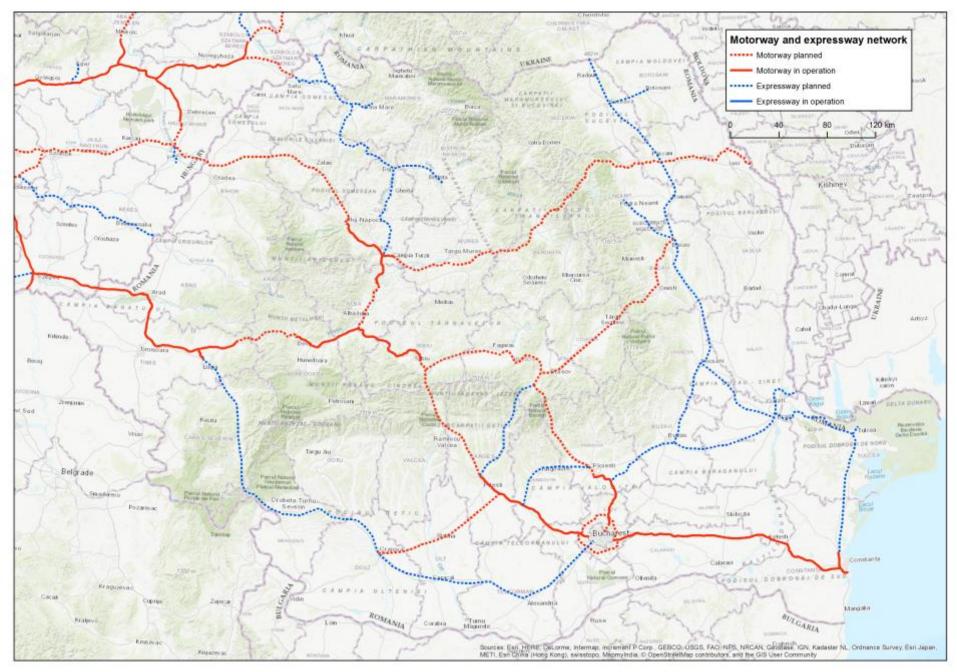
www.interreg-danube.eu/connectgreen



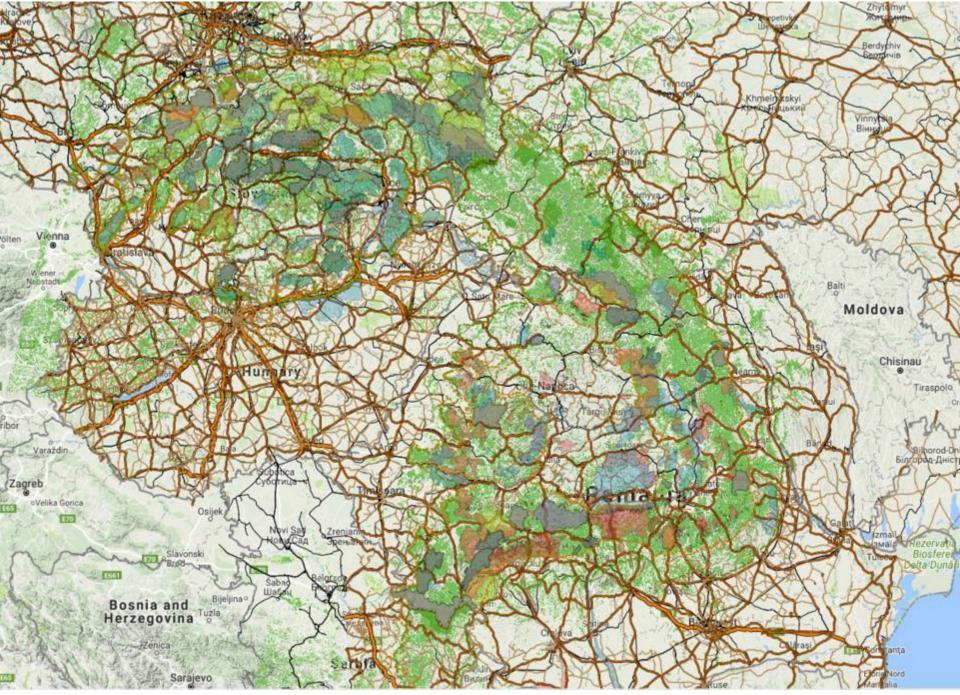
Threats to biodiversity (IUCN-CMP)

### Relevant Legislation concerning ecological corridors

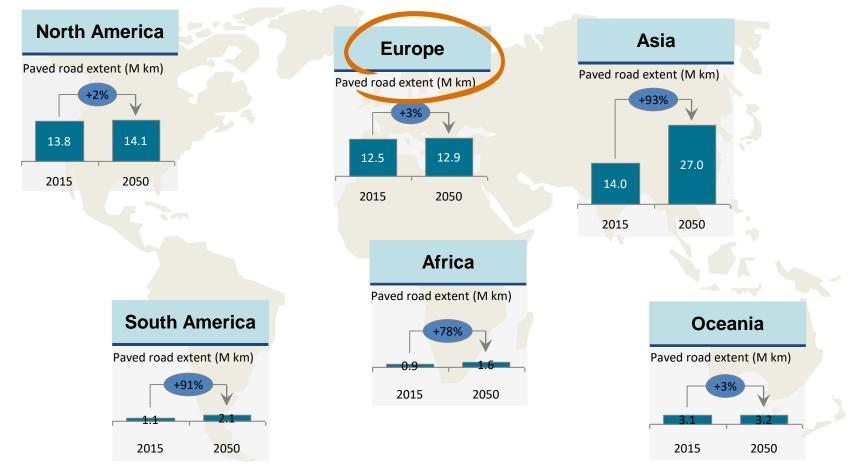
# Governmental Emergency Act 57/2007



www.interreg-danube.eu/connectgreen



www.interreg-danube.eu/connectgreen



IEA, 2013



### ConnectGREEN











### ConnectGREEN

Aims at maintaining and improving the ecological connectivity between natural habitats in the Carpathian ecoregion.





# **Project in numbers**

- **Duration:** June 2018 May 2021
- 11 Partners from 6 EU countries (ERDF)
- 2 Partners from Serbia (IPA)
- 10 Associated Strategic Partners (ASP)
- Coordinated by: WWF International Danube-Carpathian Programme - Romania
- Value: ~ 2.46 million euros



# **Project Partners**

- Romania: WWF DCP Romania (Lead Partner); National Institute for Research and Development in Constructions, Urban Planning and Sustainable Spatial Development; Piatra Craiului National Park Administration;
- **Austria:** WWF International Danube-Carpathian Programme;
- **Czech Republic:** Nature Conservation Agency; Silva Tarouca Research Institute for Landscape and Ornamental Gardening;
- **Hungary:** CEEweb for Biodiversity; Szent Istvan University;
- **Slovakia:** The State Nature Conservancy of the Slovak Republic; Slovak University of Technology in Bratislava - SPECTRA Centre of Excellence of EU;
- **Serbia:** Institute of Architecture and Urban & Spatial Planning of Serbia; National Park Djerdap.



## **Associated Strategic Partners**

- **Czech Republic:** Ministry of the Environment; Ministry of Regional Development;
- Hungary: Bükk National Park Directorate;
- **Romania:** Ministry of Environment;
- **Serbia:** Ministry of Agriculture and Environmental Protection;
- **Slovakia:** Ministry of Transport and Construction;
- **Ukraine:** Ministry of Ecology and Natural Resource;
- Austria: Danubeparks Danube River Network of Protected Areas;
- **France:** Alpine Network of Protected Areas ALPARC;
- Montenegro: Parks Dinarides Network of protected areas of Dinarides.



# **Why ConnectGREEN?**

Danube-Carpathian region is one of the Europe's last remaining strongholds for the large carnivore species: gray wolf, Eurasian lynx and brown bear



# Why ConnectGREEN?



 barriers for wild species movements

→ landscape and habitat fragmentation

- change of land use



# Why ConnectGREEN?

# Various impacts on ecological corridors, affecting:



•Biodiversity •Wildlife movement/ dispersal routes Stability and resilience of ecosystems • Ecosystems services Regional prosperity

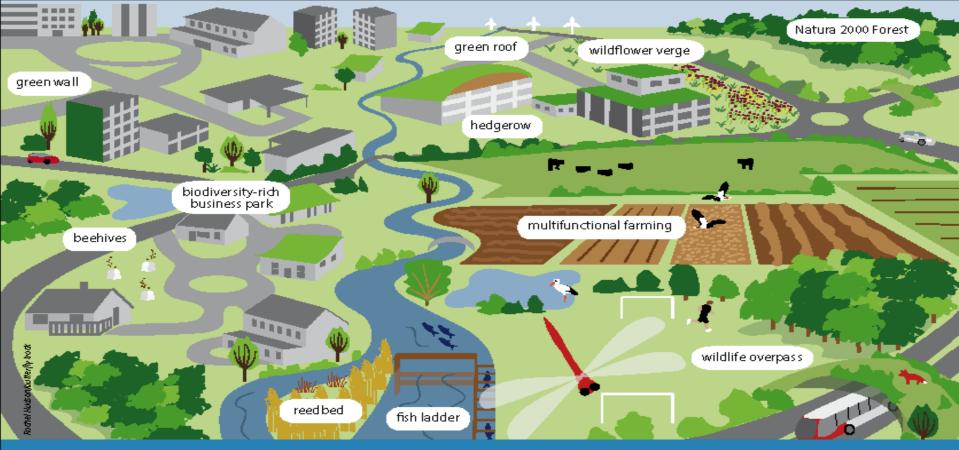


# **Policy Context**

# The integrated planning for transport and other infrastructure works prioritized by public policies and international reglementations ...

- •EU Strategy for the Danube Region
- •EU 7th Environmental Action Plan
- •EU 2020 Biodiversity Strategy
- •EU Strategy on Green Infrastructure
- •TEN-T Trans-European Network of Transport
- •Carpathian Convention (an its relevant Protocols).

### ... demands a balanced infrastructure development taking into account the nature conservation for generating durable solutions



### Potential components of a Green Infrastructure



Core areas of high biodiversity value which act as hubs for GI, such as protected areas like Natura 2000 sites

Core areas outside protected areas containing large healthy functioning.

ecosystems







 restored readbed or wild flower meadow
Natural features acting as wildlife corridors or stepping stores, like small watercourses,

ponds, hedgerows, woodland strips

enhance existing natural areas, such as a

Restored habitats that help reconnect or









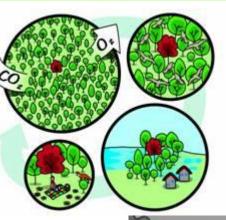
Artificial features that enhance ecosystem services or assist wildlife movement such as eco-ducts or eco-bridges, fish ladders or green roofs

Buffer zones that are managed sustainably and help improve the general ecological quality and permeability of the landscape to biodiversity, e.g. wildlife-friendly farming

Multi-functional zones where compatible land uses can join forces to create land management combinations that support multiple land uses in the same spatial area, e.g. food production and recreation















kl by European Union Fun nterreg-danube.eu/connectgr



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# **Main Objective**

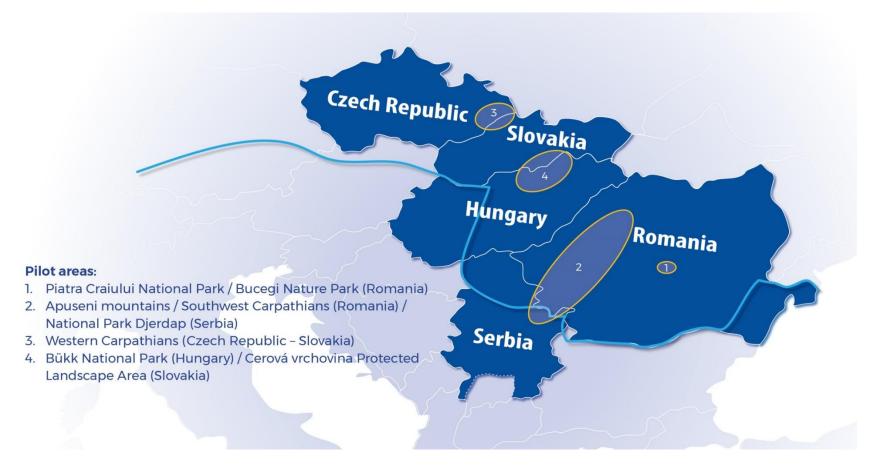
Maintain and improve the ecological connectivity between natural habitats, especially Natura 2000 and other protected area categories of transnational relevance in the Carpathian ecoregion through...



# **Specific Objectives**

- 1. Eco-corridors and connectivity gaps identified in the Carpathians
- 2. Capacity for identifying and managing eco-corridors improved
- 3. Identify and implement strategic directions and instruments/practices in order to promote the value of ecological connectivity, in particular of large carnivore corridors, among planners and decision makers

## **Pilot Areas**





# **Deliverables (I)**

- **Methodology** for identifying ecological corridors
- **State of the Art Report** on the existing planning systems and their application for ecological corridor identification and management
- **GAP analysis report** on the identification of the needs for improving the planning processes and tools
- Set of recommendations developed together with spatial planners to avoid/ minimise fragmentation of ecological corridors and Natura 2000 sites



# **Deliverables (II)**

- Ecological connectivity related **database** under the CCIBIS
- Database with all relevant spatial information in each pilot site
- **Maps** with the distribution of target species, core areas, ecological corridors and critical barrier sites in each pilot areas
- **Strategy** on the identification, preservation and management of eco-corridors



# **Examples of Key Activities**

- Develop a harmonized Methodology for the identification of ecological corridors
- Implement the Methodology for ecological corridors/core areas identification
- Identification of core areas and ecological corridors for large carnivores in the Carpathians
- Develop a Guideline on harmonizing the interests between nature conservation and different land uses

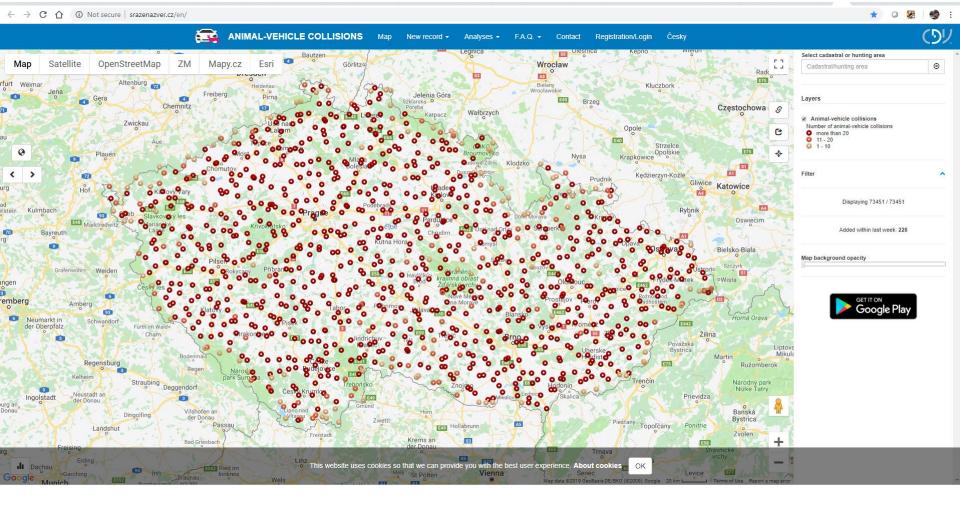


# **Examples of Key Activities**

- Develop management measure to maintain and/or improve the connectivity in the pilot sites
- Develop an innovative Decision Support Tool and test it in pilot sites
- Develop an ecological connectivity related database within the CCIBIS
- Develop a Strategy on the identification, preservation and management of eco-corridors
- Capacity building and experience-sharing across the region and beyond
- Feeding into wider Danube and EU relevant processes and experience

Project co-funded by European Union Funds (ERDF, IPA)

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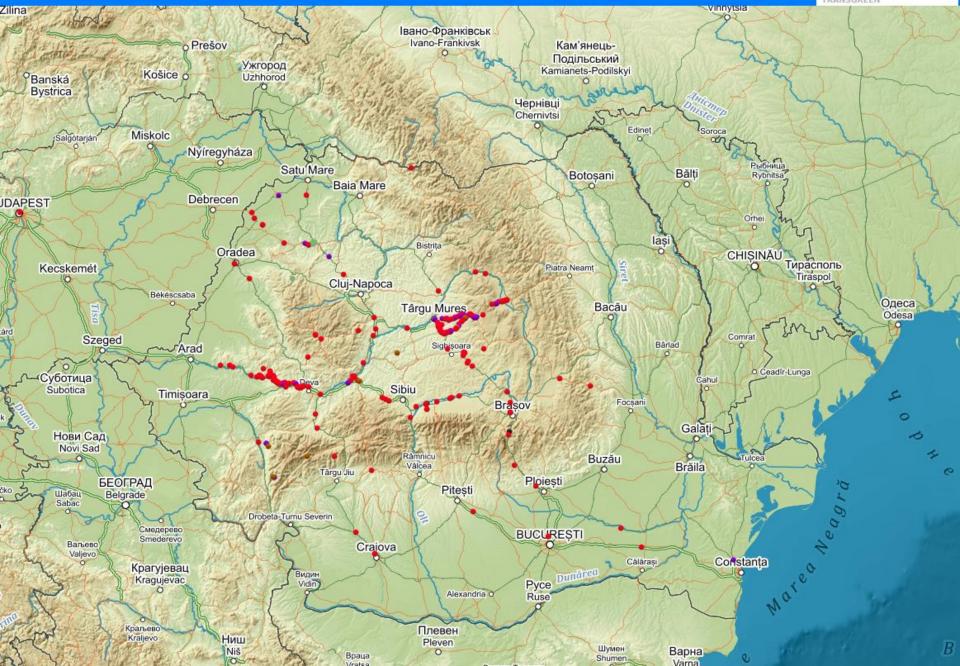


#### ROAD.KILL

MAP TABLE NEW ABOUT LOGIN

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# **Target Groups**

- Local Public Authorities
- National Public Authorities
- Sectoral Agencies
- Infrastructure and (public) Service
  Providers
- Interest Groups including NGOs



# **Synergies**

- TransGreen https://www.youtube.com/watch?v=AqIzdxYIX3g&t=22s
- BioGOV
- HARMON







