

ConnectGreen Projekt

Restoring and managing ecological corridors in mountains as the green infrastructure in the Danube basin

Green Carpathians webinar

25.09.2020

CEEweb for Biodiversity

Dr. Nagy Gabriella Mária

Project co-funded by European Union Funds (ERDF, IPA)
www.interreg-danube.eu/connectgreen



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

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...



Threats

- Infrastructure development
- Fragmentation of habitats
- Loosing ecosystem services
- Decreasing biodiversity
- Climate change
- Lack of cooperation



Grey infrastructure

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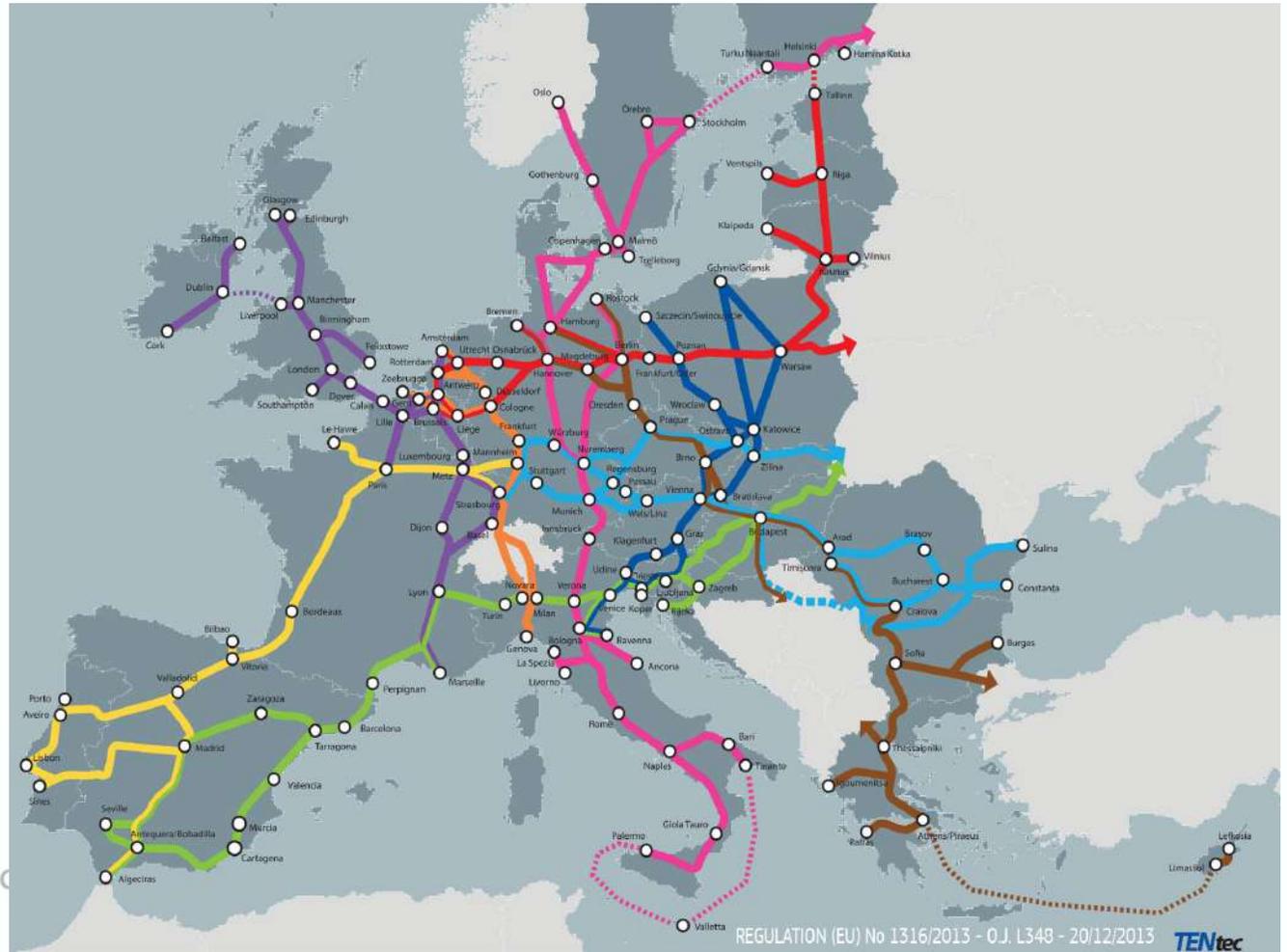
LEGEND





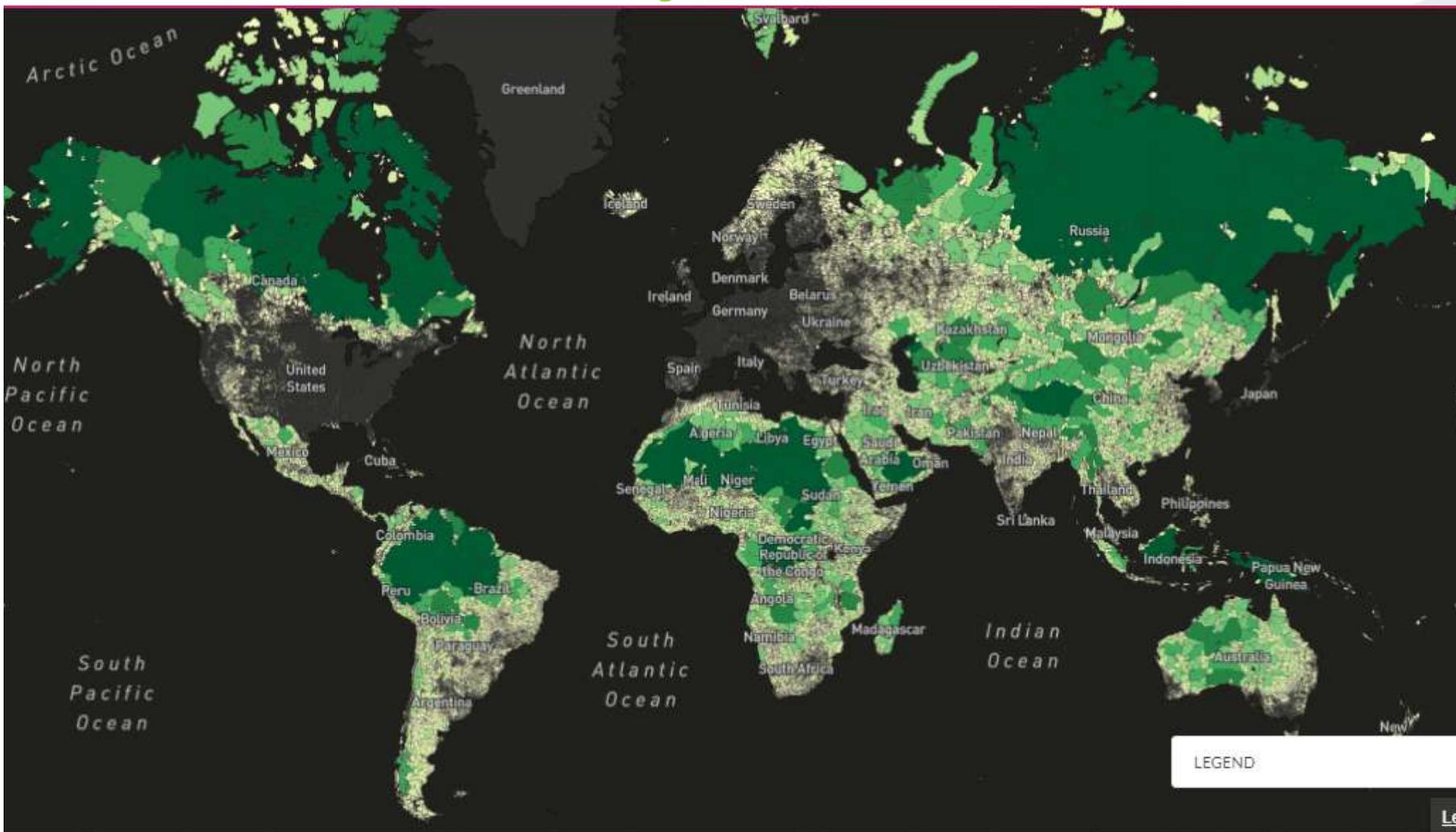
Trans-European Network - Transportation

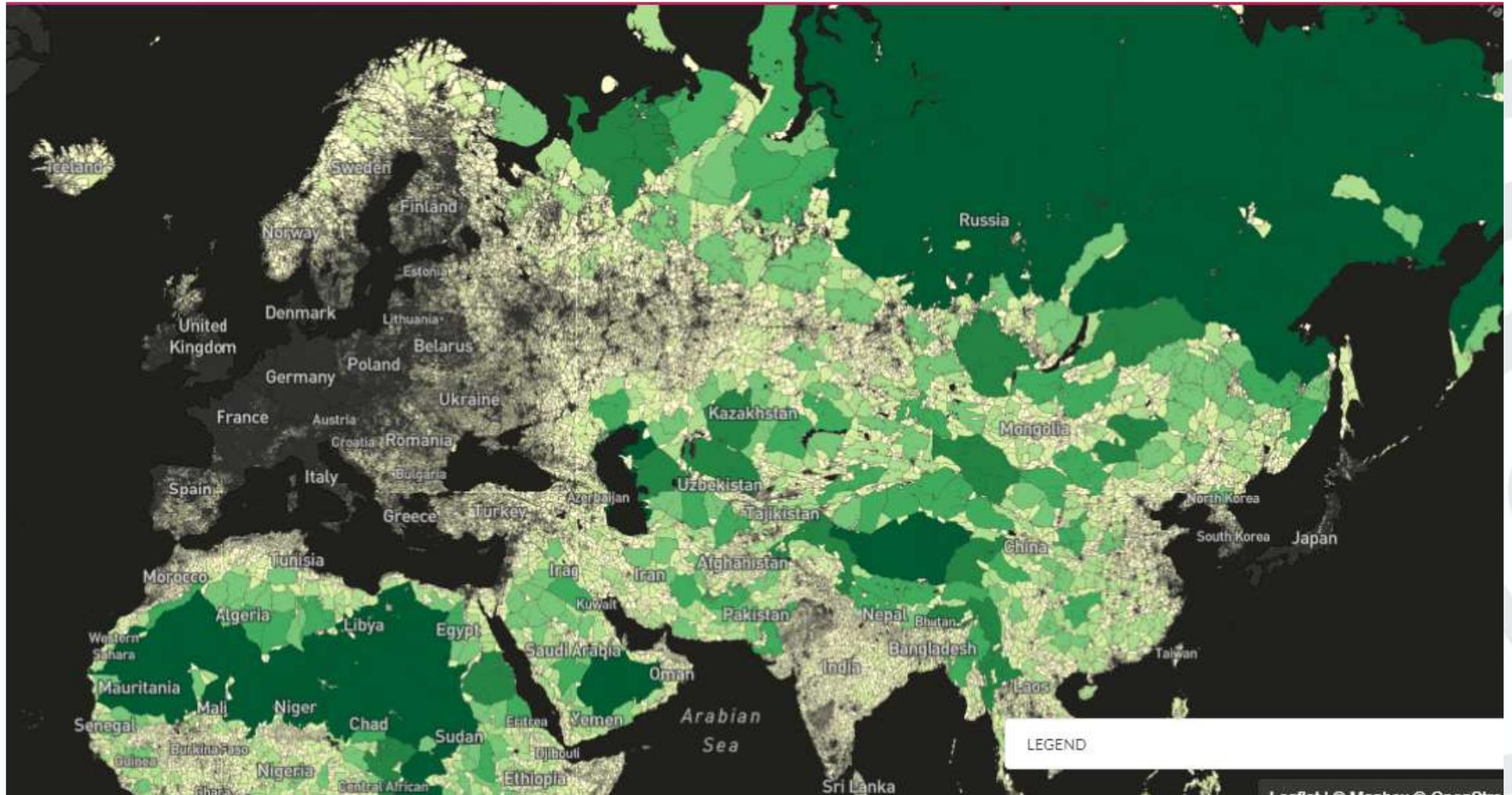
Main transportation corridors

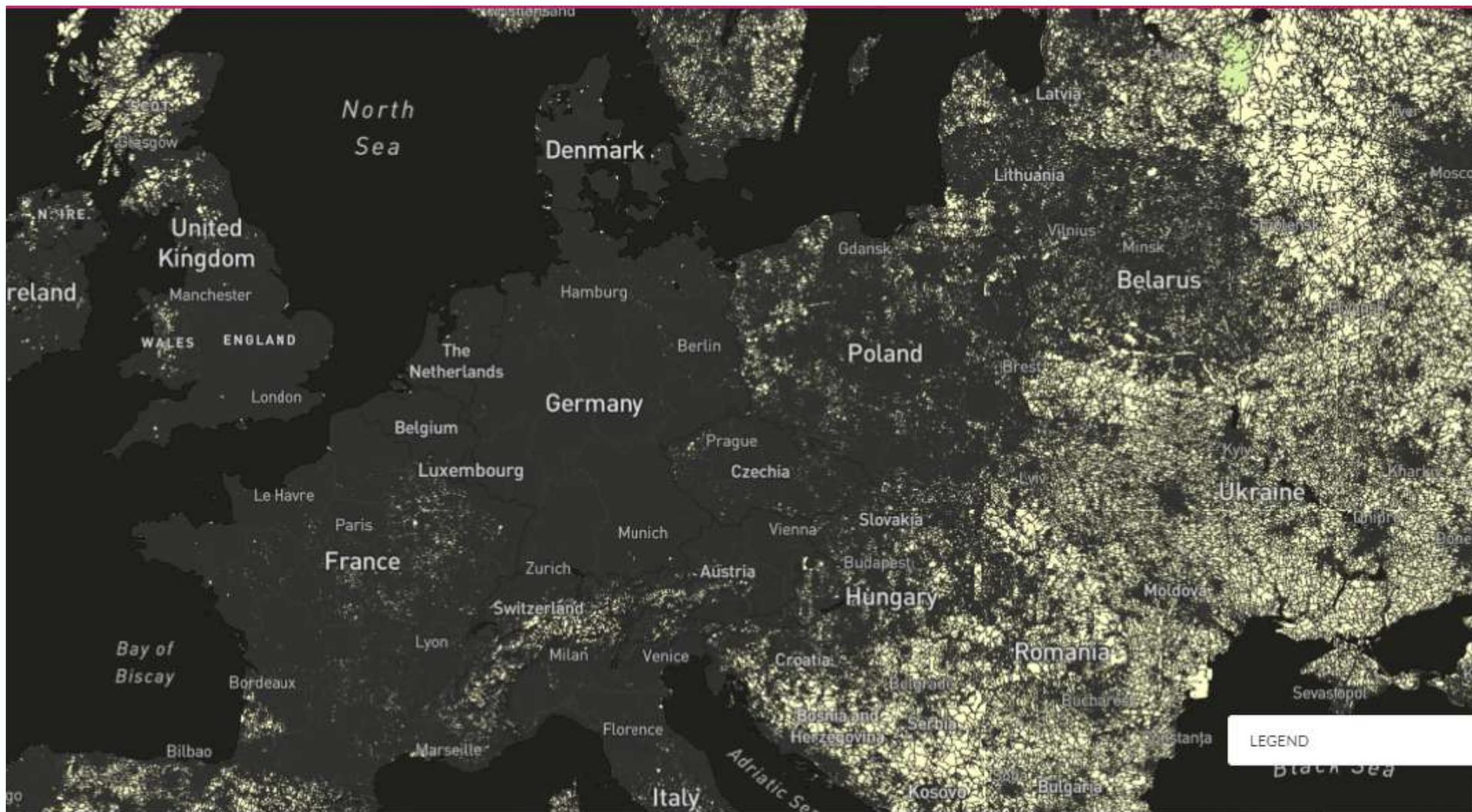


Green and Grey infrastructure

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Opportunities

- Existing natural assets and willingness to protect them
- Long lasting development processes
- Ambitious new EU policy



Flowchart of ConnectGreen Project

Methodology for field work

Monitoring & data collection

Field work in pilot areas

Embed data

To habitat suitability model

To CCIBIS.org

Embed model to on-going processes

national **spatial planning** process

International strategic cooperation

Inter-sectoral communication

Meetings, trainings, strategies

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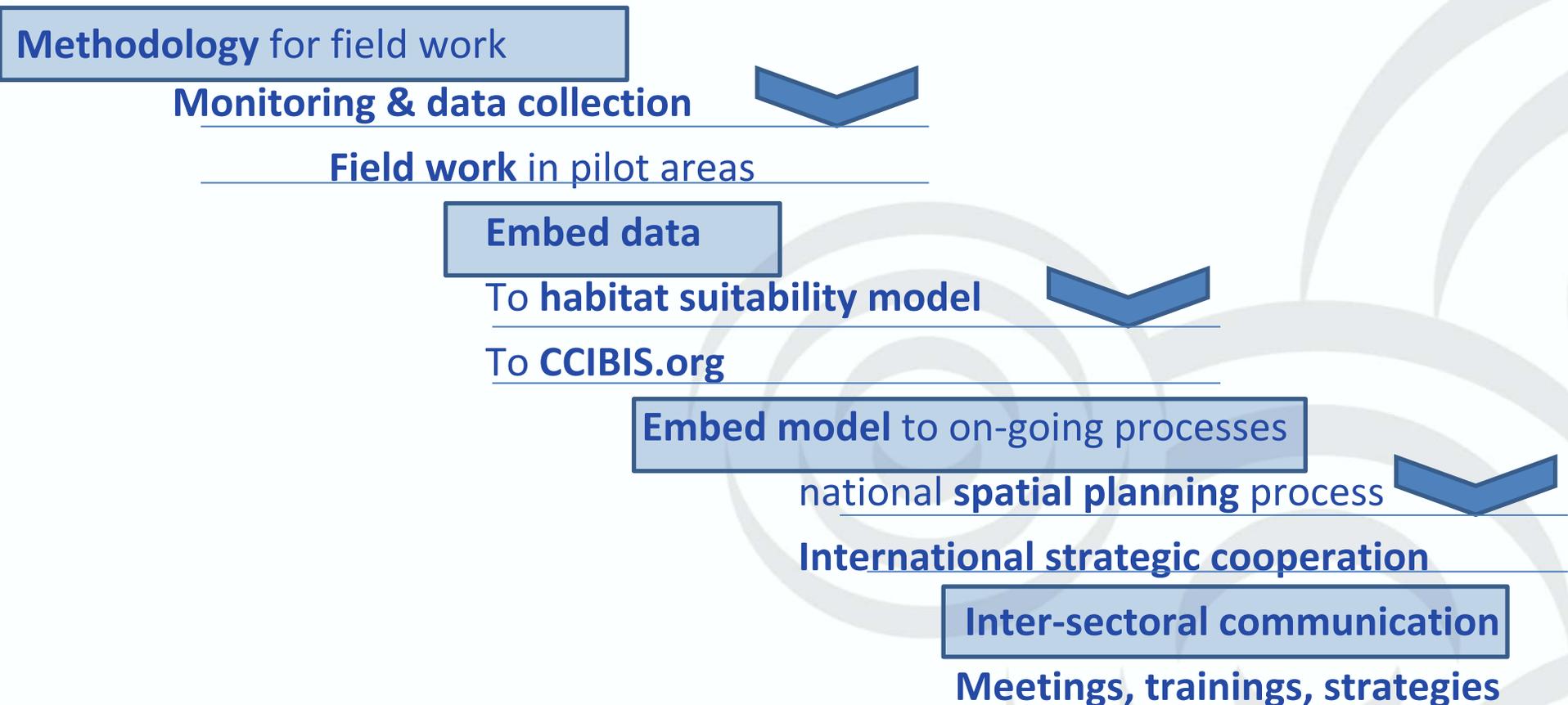
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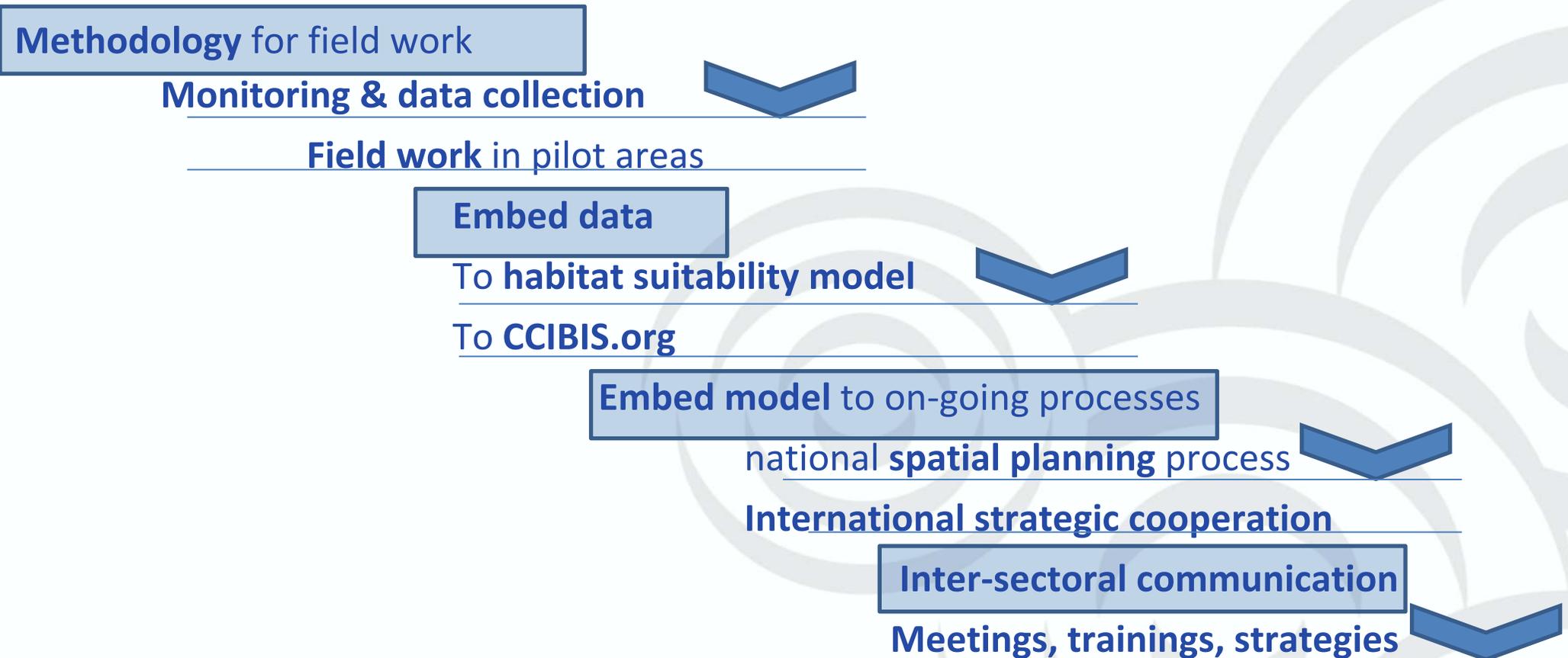
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Flowchart of ConnectGreen Project



Flowchart of ConnectGreen Project



The methodology

Methodology for the identification of migration corridors for large carnivores in the Carpathian Countries
Okániková, Z., Záhorec, L., Kluchová, A., Strnad, M., Romportl, D., Janák, M., and Hlaváč, V. (2019).

1. Identification of ecological corridors
2. Reconciliation of nature conservation and spatial planning practices,
3. Capacity building of protected areas' staff
4. Development of management measures by using active stakeholder engagement processes.

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Pilot Areas



1. **Piatra Craiului National Park (RO)**
2. **Apuseni-SW Carpathians (RO)/ National Park Djerdap (SB);**
3. **Western Carpathians (CZ-SK)**
4. **Bükk National Park (HU)/ Cerová vrchovina Protected Landscape Area (SK)**

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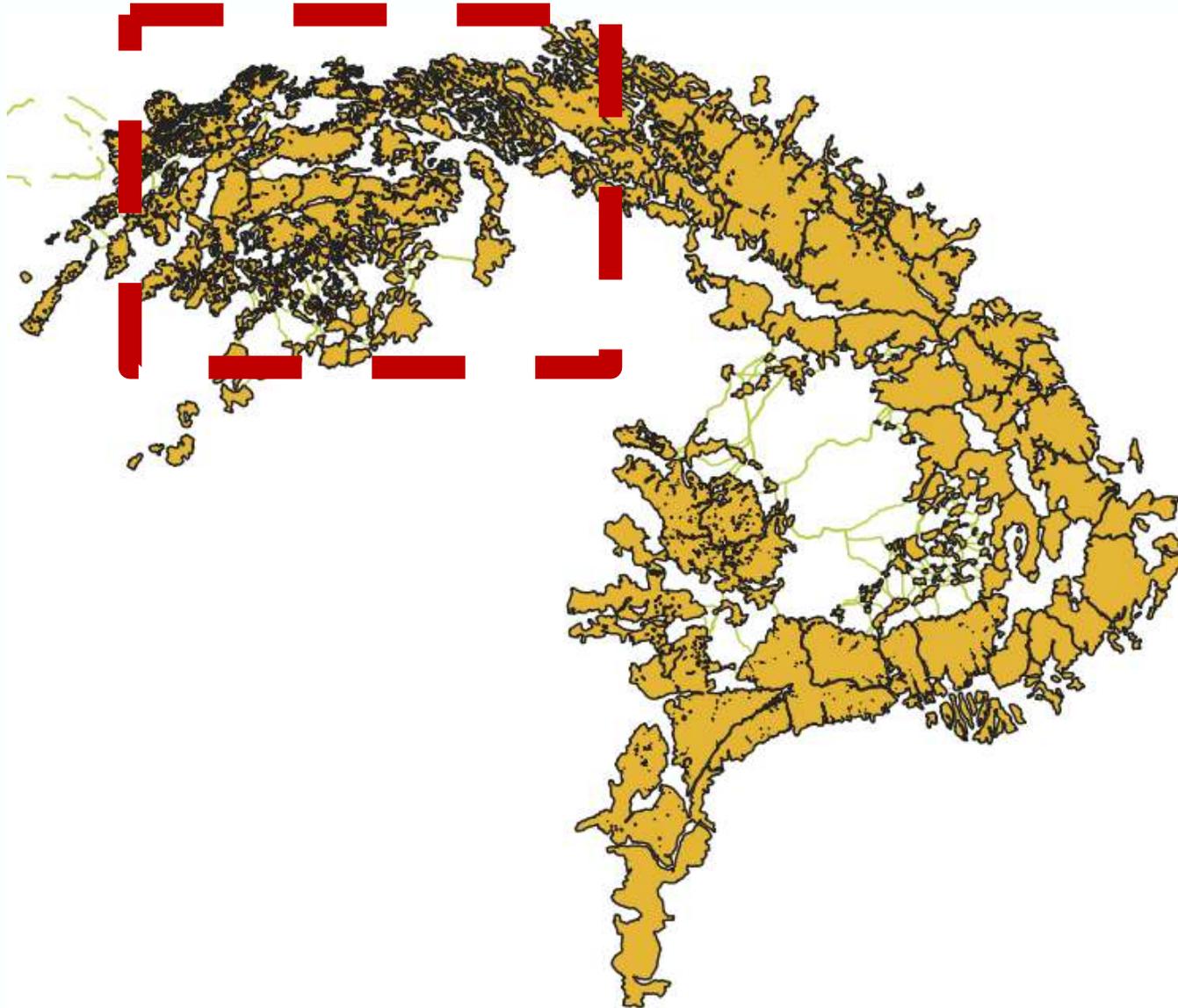
national spatial planning process

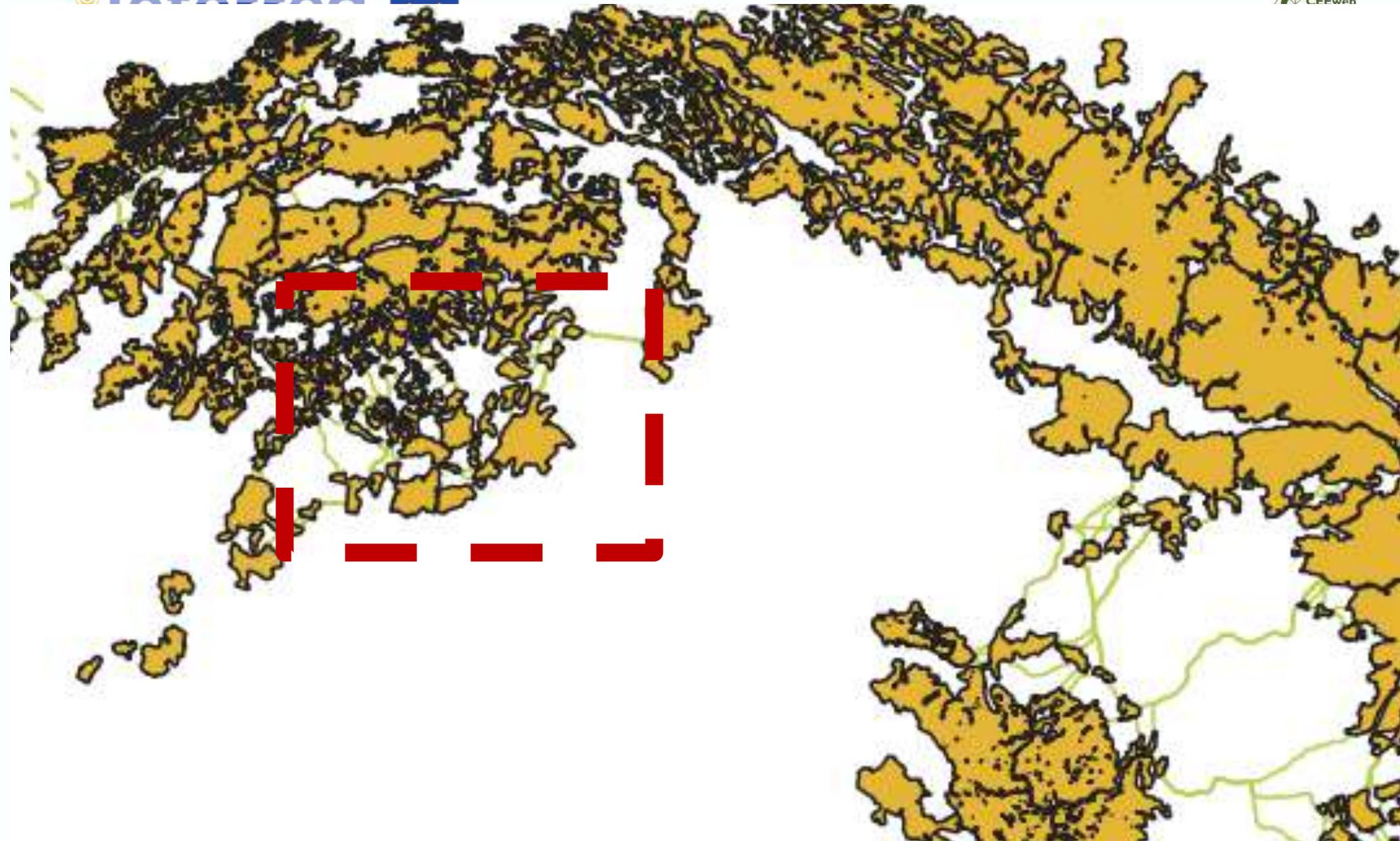
International strategic cooperation

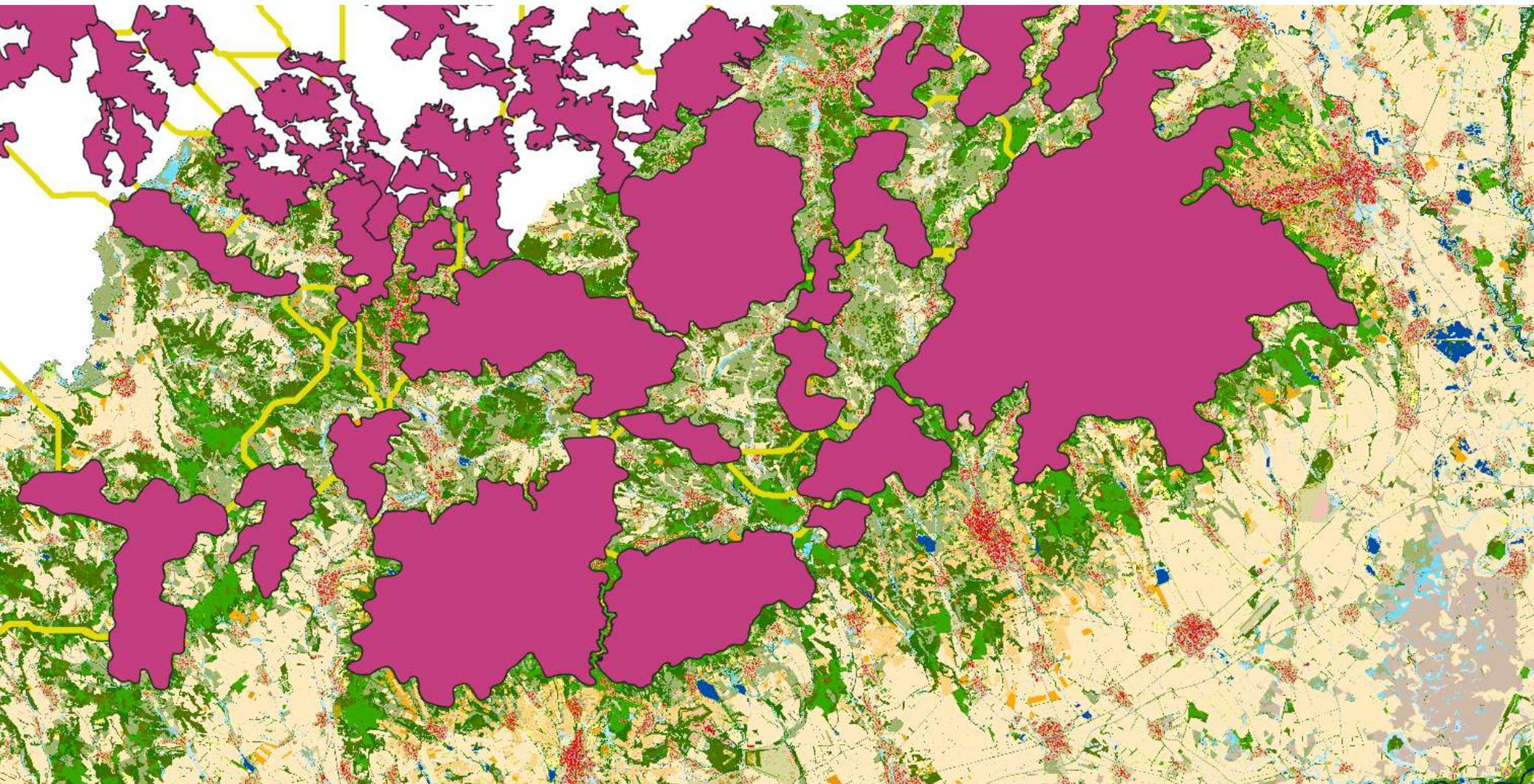
Support intersectoral communication

Meetings, learning package, strategy

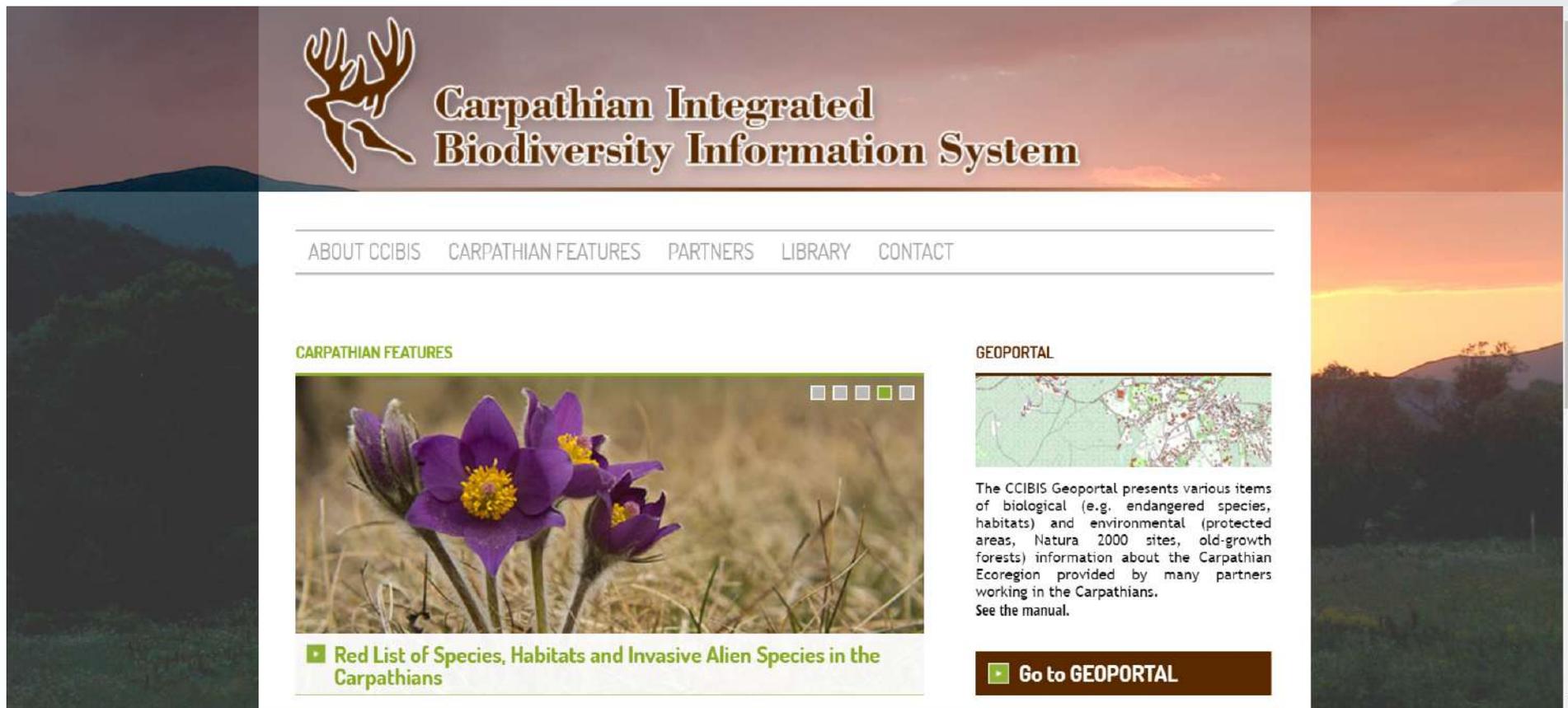








Carpathian Countries Integrated Biodiversity Information System



The screenshot shows the CCIBIS website interface. At the top left is a logo featuring a stylized deer head. The main title is "Carpathian Integrated Biodiversity Information System". Below the title is a navigation menu with the following items: ABOUT CCIBIS, CARPATHIAN FEATURES, PARTNERS, LIBRARY, and CONTACT. The "CARPATHIAN FEATURES" section is highlighted in green and contains a photograph of purple flowers with yellow centers. Below the photo is a green button with a white play icon and the text "Red List of Species, Habitats and Invasive Alien Species in the Carpathians". To the right, the "GEOPORTAL" section features a map of the Carpathian region. Below the map is a text block: "The CCIBIS Geoportal presents various items of biological (e.g. endangered species, habitats) and environmental (protected areas, Natura 2000 sites, old-growth forests) information about the Carpathian Ecoregion provided by many partners working in the Carpathians. See the manual." Below this text is a dark brown button with a white play icon and the text "Go to GEOPORTAL".

← → ↻ 🏠 ⓘ Not secure | geoportal.ccibis.org

Apps CEEweb



Search content or add map

PRG-3887 N: 5647158 E: 3630776 Scale 1 : 9 240 000

About geoportal Collapse >



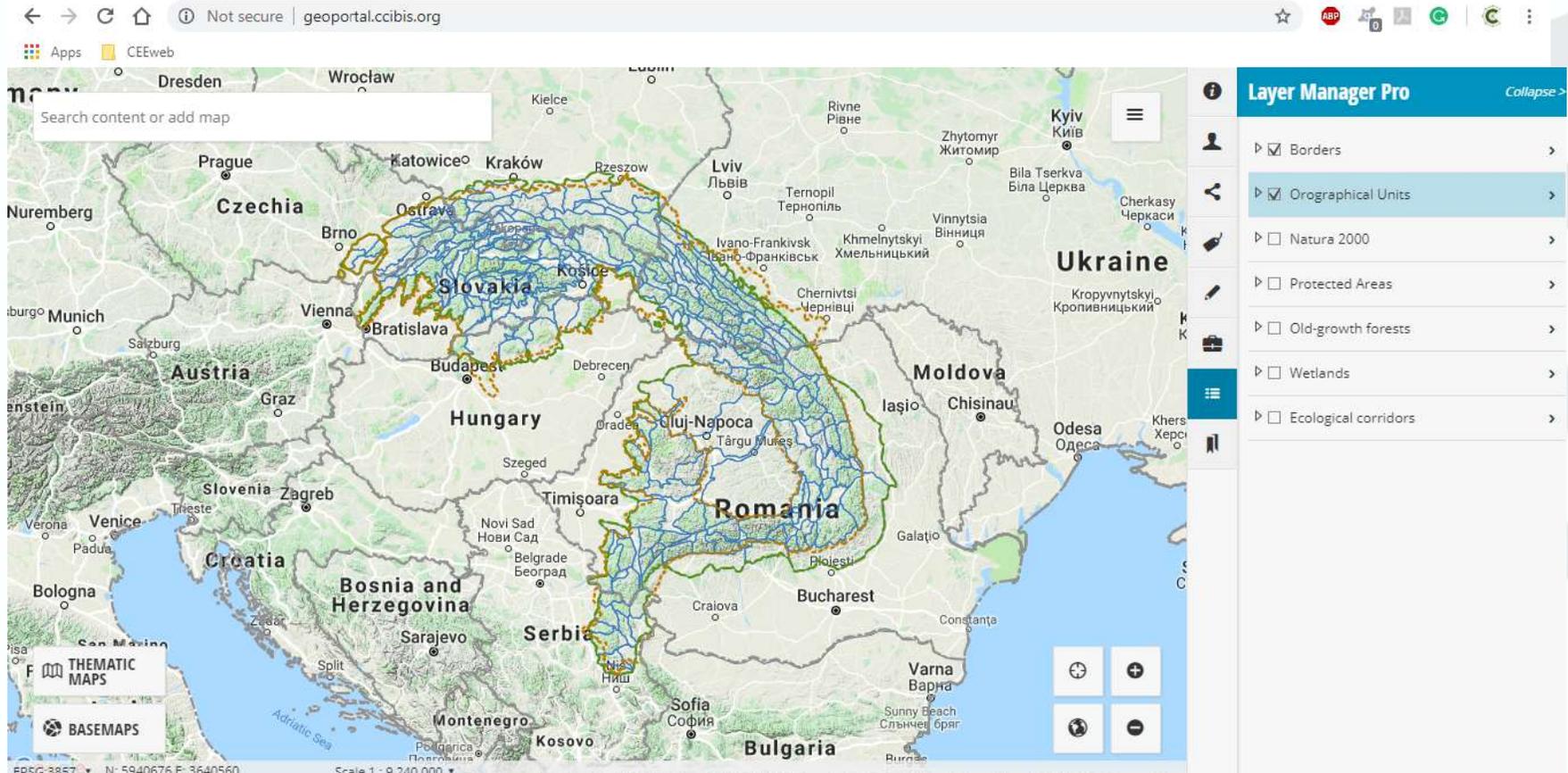
Interreg

Danube Transnational Programme
TRANSGREEN

WELCOME TO THE CARPATHIAN
COUNTRIES INTEGRATED
BIODIVERSITY INFORMATION SYSTEM

The CCIBIS Geoportal presents various items of biological (e.g. endangered species, habitats) and environmental (protected areas, Natura 2000 sites, old-growth forests) information about the Carpathian Ecoregion provided by many partners working in the Carpathians.

The development of this website is financially supported by European Union funds (ERDF, IPA, ENI) and by the Hungarian State within the Interreg project "Integrated Transport and Green Infrastructure Planning in the Danube-Carpathian Region for the Benefit of People and Nature (January 2017 - June 2019).



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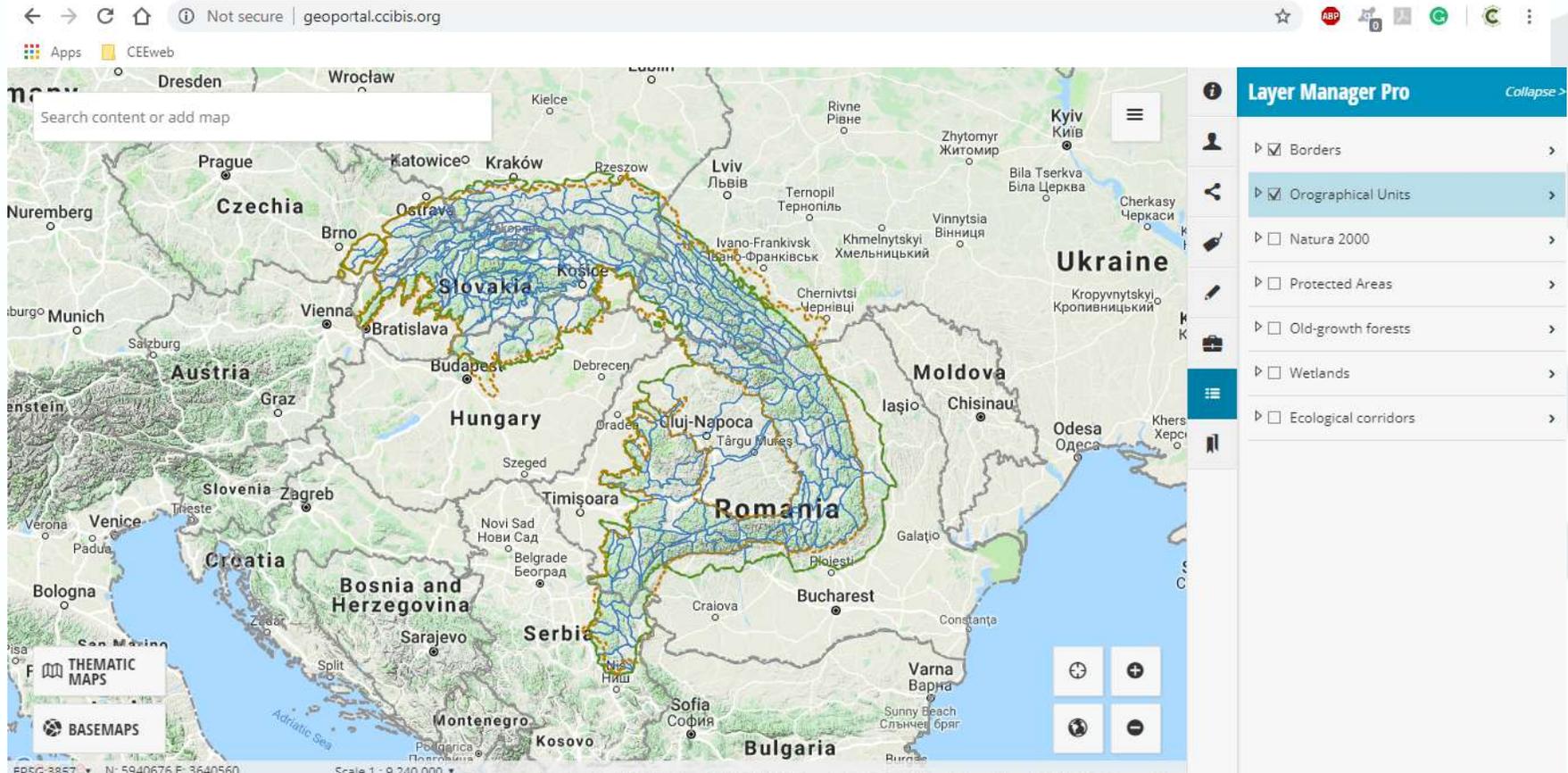
Apps CEEweb

Search content or add map

Layer Manager Pro *Collapse >*

- Borders
- Orographical Units
- Natura 2000
- Protected Areas
- Old-growth forests
- Wetlands
- Ecological corridors

PRG-3857 N: 59.40676 E: 36.40560 Scale 1 : 9 240 000

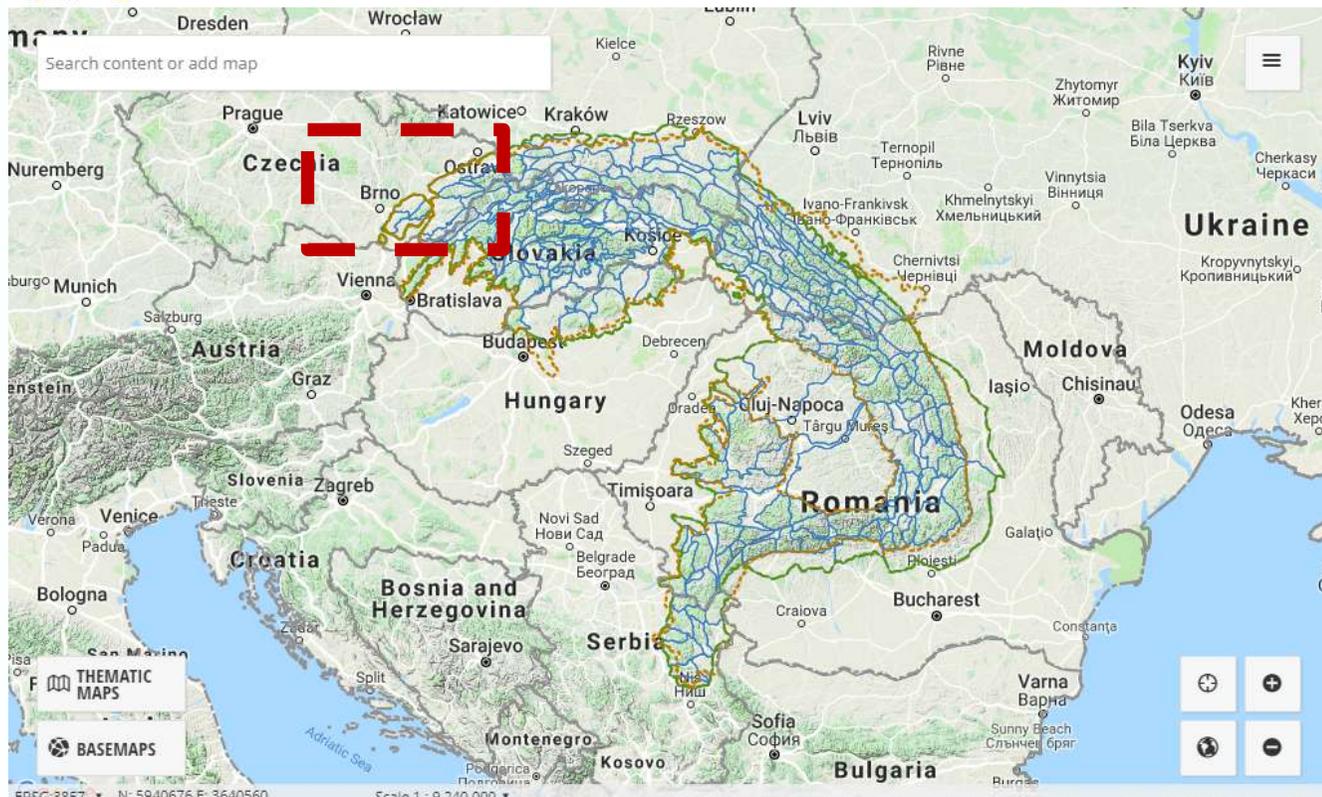


The screenshot shows a web browser window displaying a GIS application. The browser address bar shows "Not secure | geoportal.ccibis.org". The map displays a region including parts of Central Europe and the Balkans, with countries like Czechia, Slovakia, Hungary, Austria, Croatia, Bosnia and Herzegovina, Serbia, Romania, Bulgaria, Ukraine, and Moldova visible. Major cities such as Prague, Bratislava, Budapest, Vienna, and Bucharest are labeled. The map features a network of blue lines representing rivers and streams, and a yellow/orange shaded area indicating a specific region of interest. A search bar is located at the top left of the map area. On the right side, a "Layer Manager Pro" panel is open, listing several layers with checkboxes: "Borders" (checked), "Orographical Units" (checked), "Natura 2000" (unchecked), "Protected Areas" (unchecked), "Old-growth forests" (unchecked), "Wetlands" (unchecked), and "Ecological corridors" (unchecked). The map also includes a scale bar at the bottom left showing coordinates (EPRG: 3857, N: 59.40676 E: 36.40560) and a scale of 1:9,240,000.

← → ↻ 🏠 ⓘ Not secure | geoportal.ccibis.org

Apps CEEweb

Search content or add map



Layer Manager Pro *Collapse >*

- Borders
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- Protected Areas
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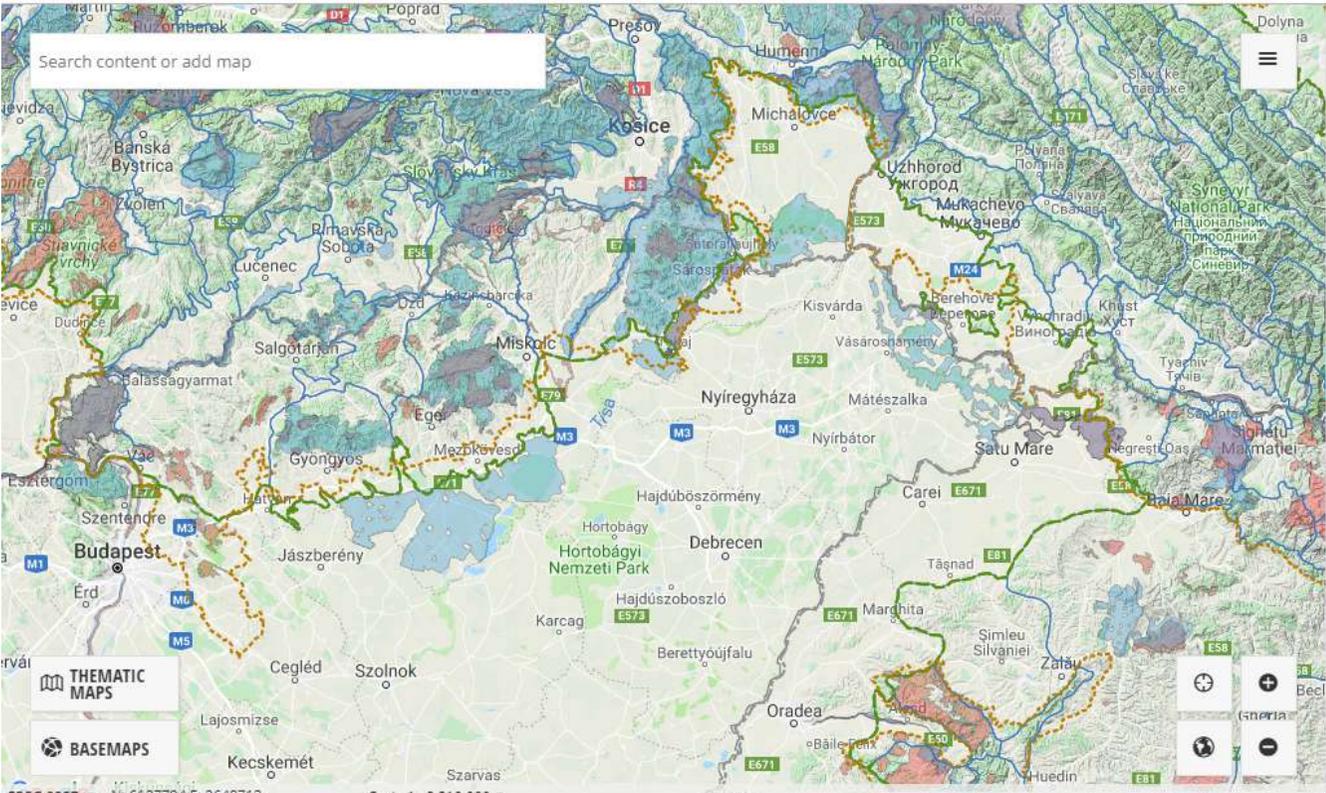
THEMATIC MAPS
BASEMAPS

EPDG-3857 N: 59.40676 E: 36.40560 Scale 1 : 9 240 000

TRANSGREEN

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📱 Apps 📄 CEEweb



Search content or add map

THEMATIC MAPS

BASEMAPS

PRG-3857 N: 6127794 E: 2648713 Scale 1: 2 310 000

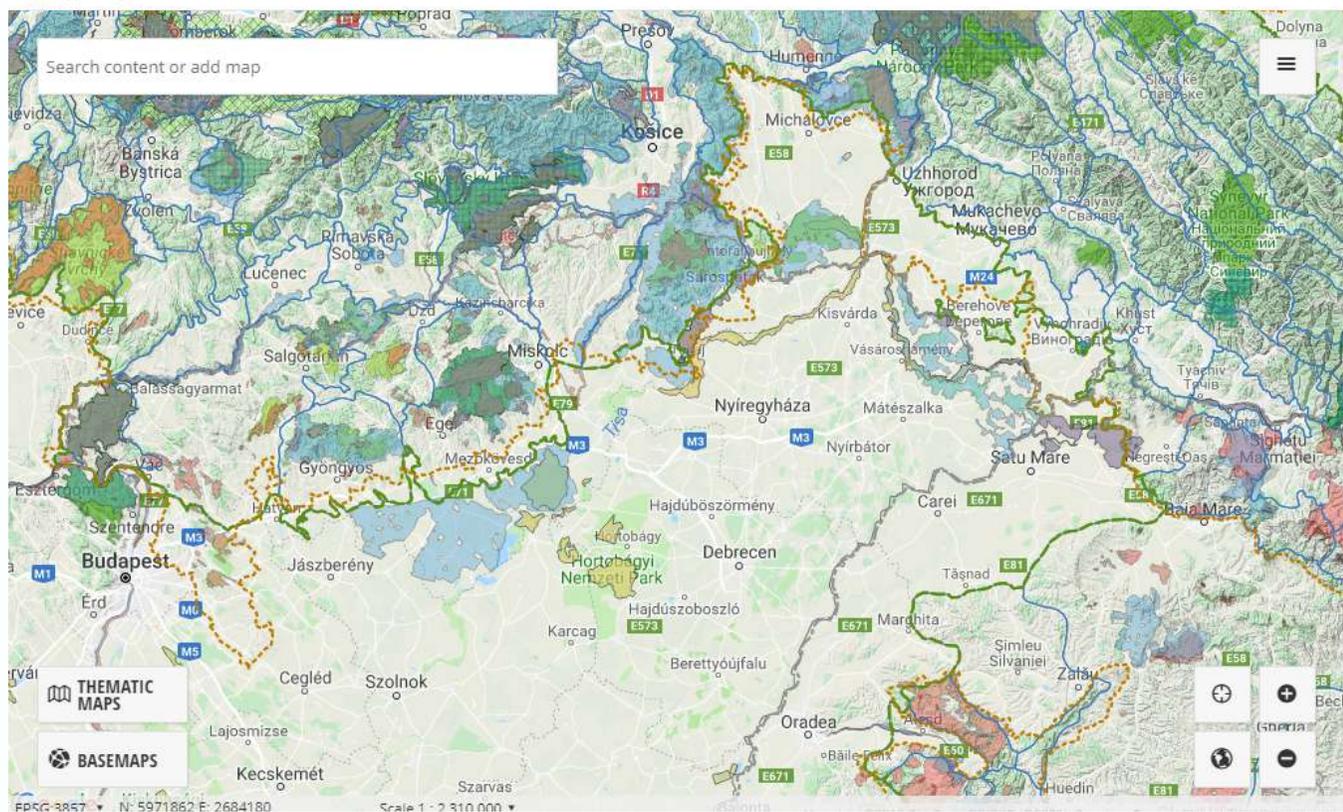
Layer Manager Pro Collapse >

- Borders >
- Orographical Units >
- Natura 2000 >
- Protected Areas >
- Old-growth forests >
- Wetlands >
- Ecological corridors >

TRANSGREEN

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📱 Apps 📄 CEEweb



Layer Manager Pro Collapse >

- Borders >
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THEMATIC MAPS

BASEMAPS

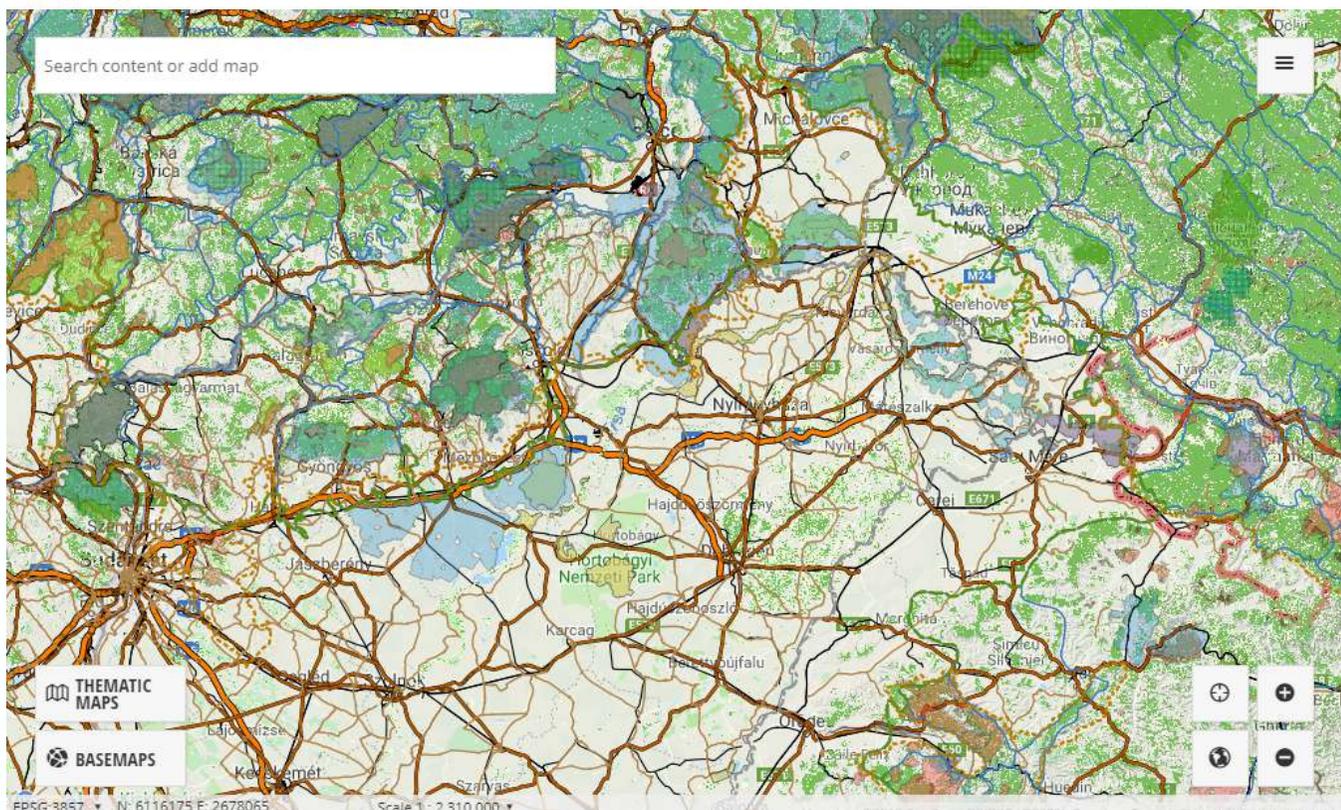
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TRANSGREEN

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Search content or add map



THEMATIC MAPS

BASEMAPS

EPSG:3857 N: 6116175 E: 2678065 Scale 1: 2 310 000

Layer Manager Pro Collapse >

- Borders >
- Orographical Units >
- Natura 2000 >
- Protected Areas >
- Old-growth forests >
- Wetlands >
- Ecological corridors >
- Modelled ecological corridors >
- Maramures ecological corridors (...)

Flowchart of ConnectGreen Project

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To CCIBIS.org

Embed model to on-going processes

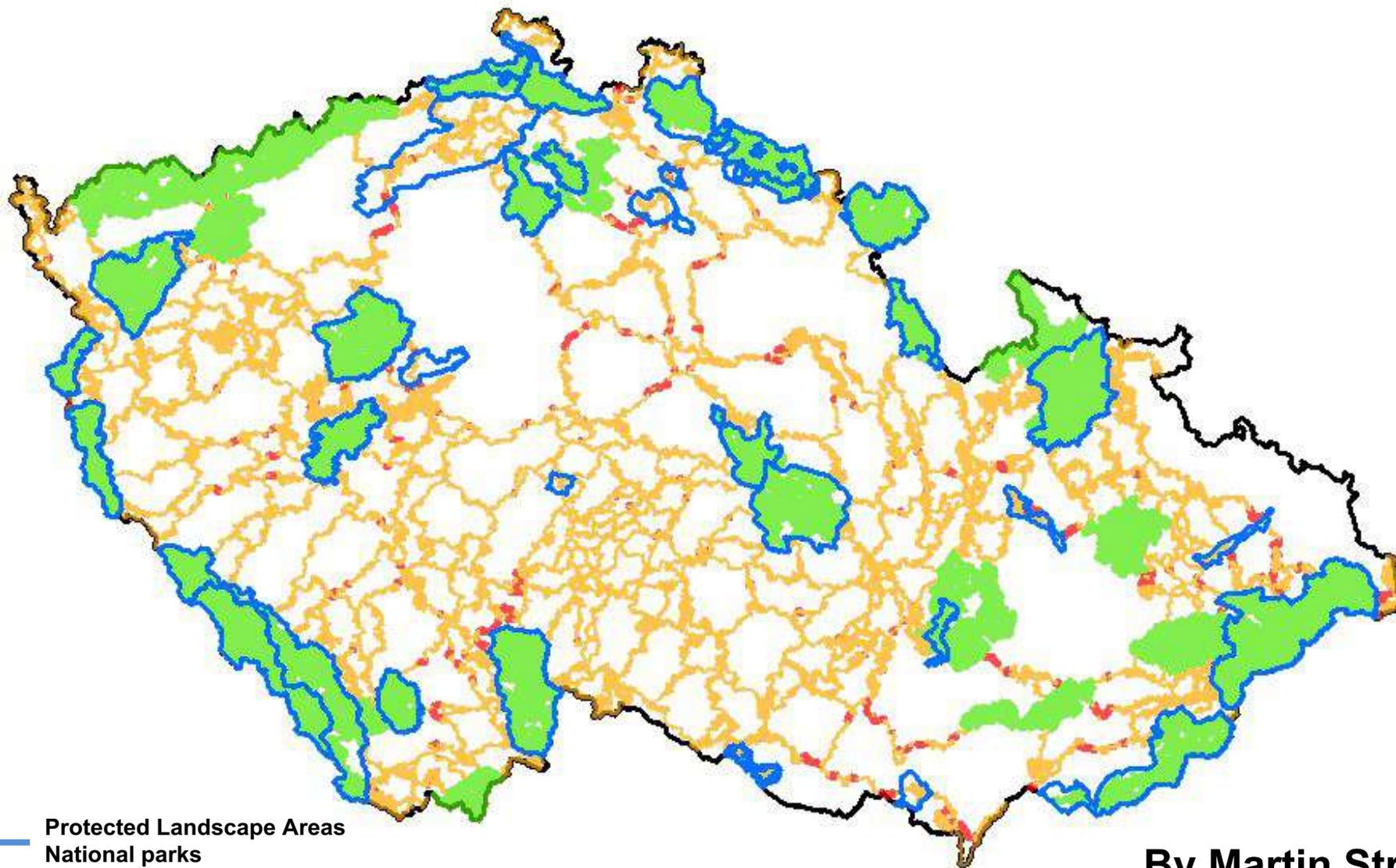
national spatial planning process

International strategic cooperation

Support intersectoral communication

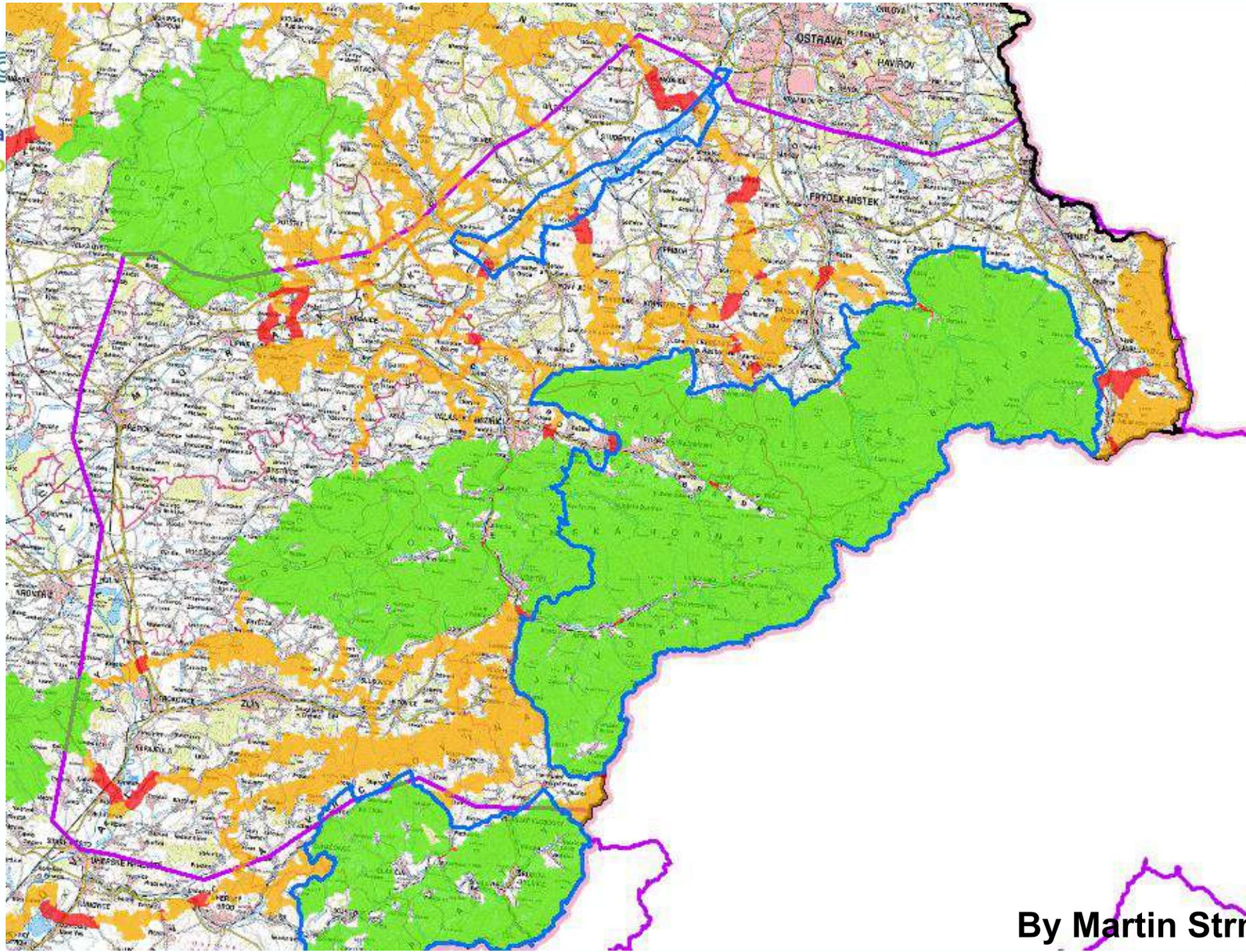
Meetings, learning package, strategy

Core areas / corridors / critical zones in CZ



Protected Landscape Areas
National parks

By Martin Strnad



Critical zone in the middle of corridor

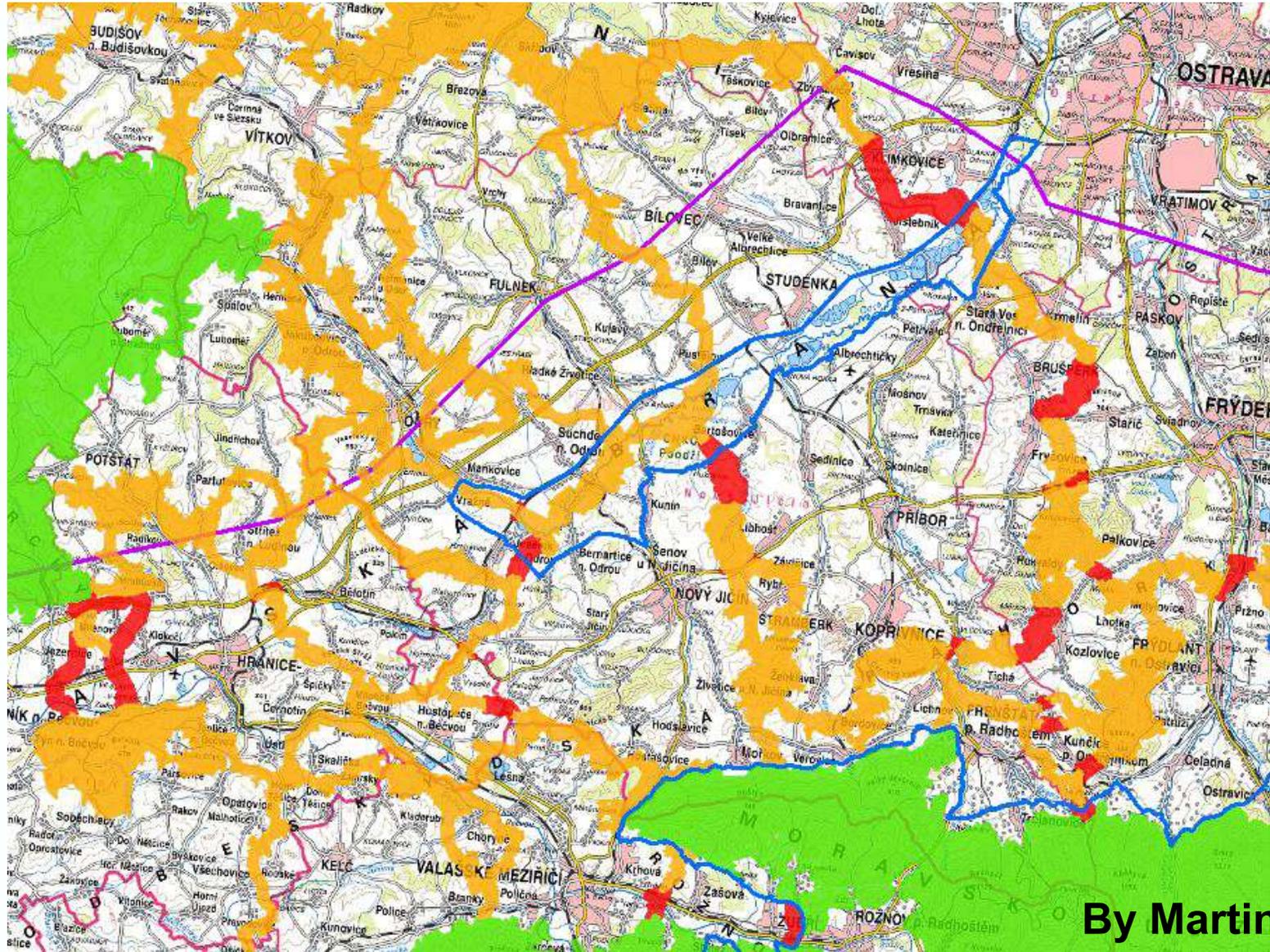
Critical zone within core area

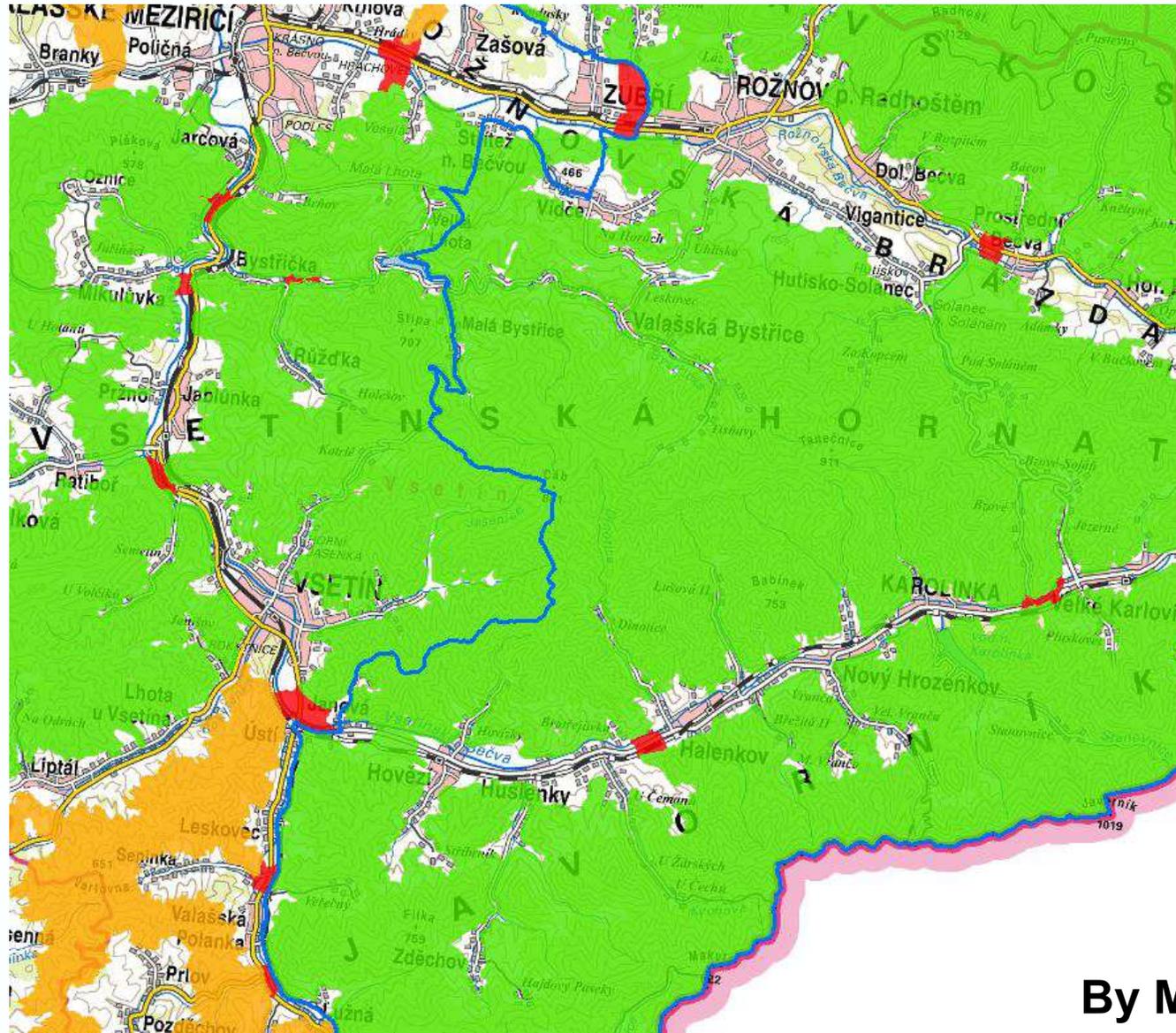


(IPA)

By Martin Strnad

Critical zones in the middle of corridors



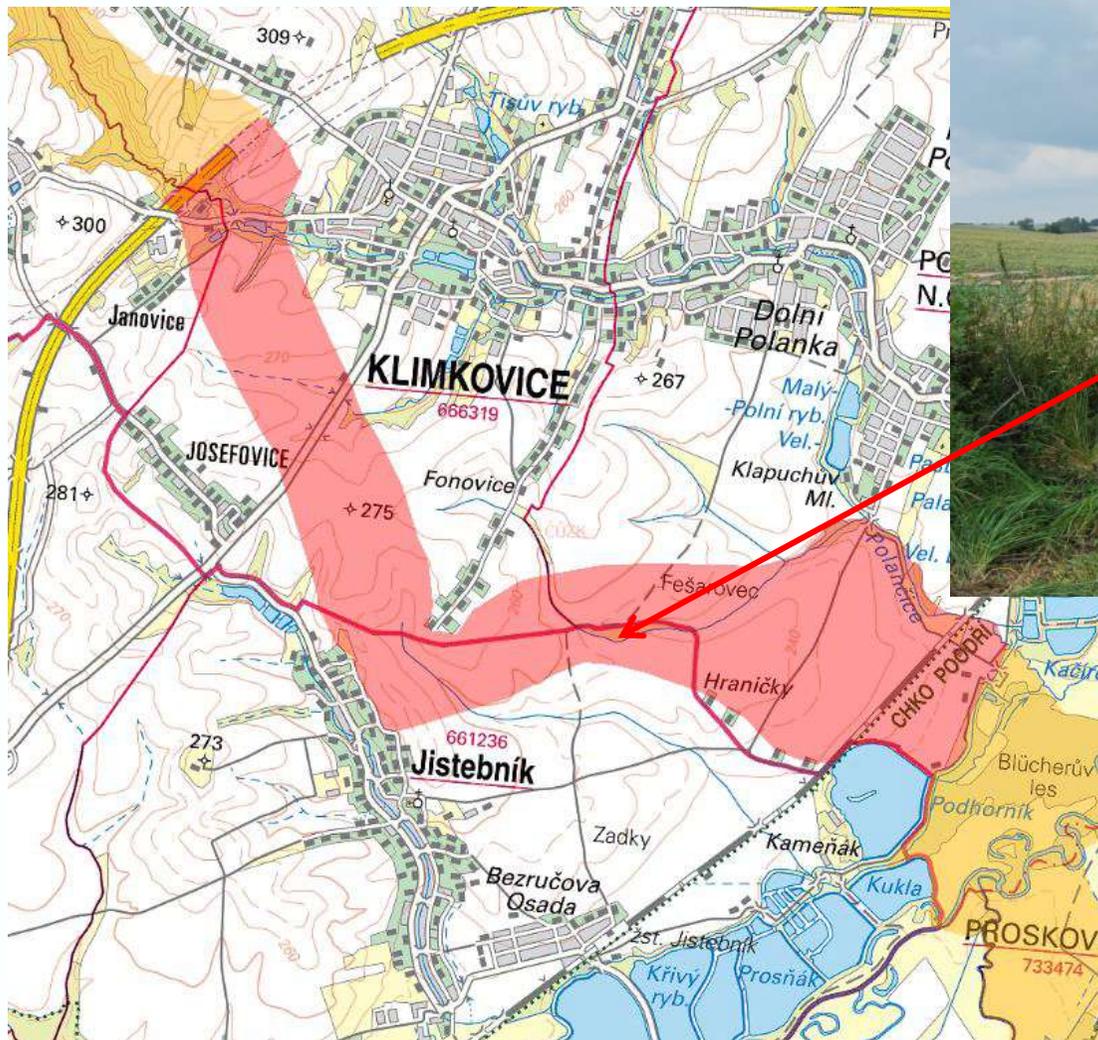


Road I/11 + Railway



By Martin Strnad

Forest free areas



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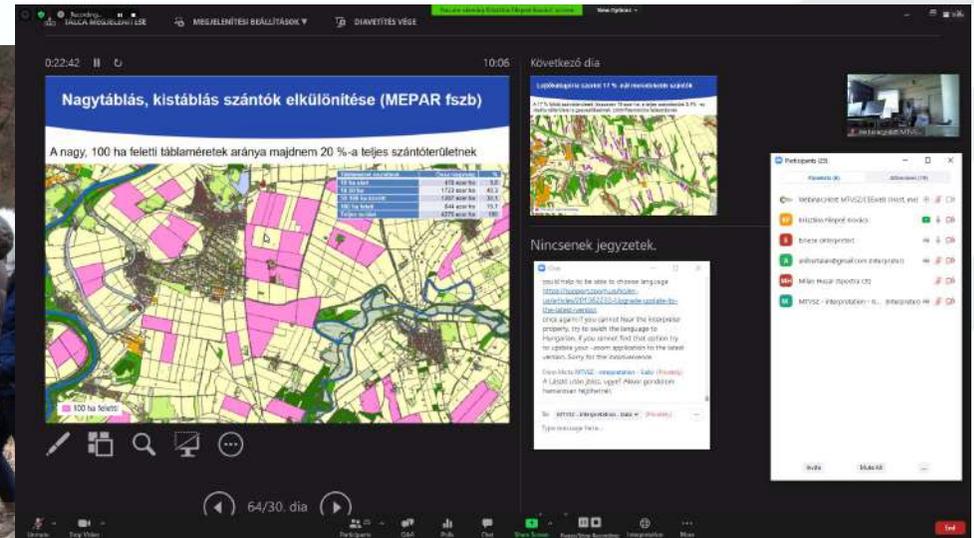
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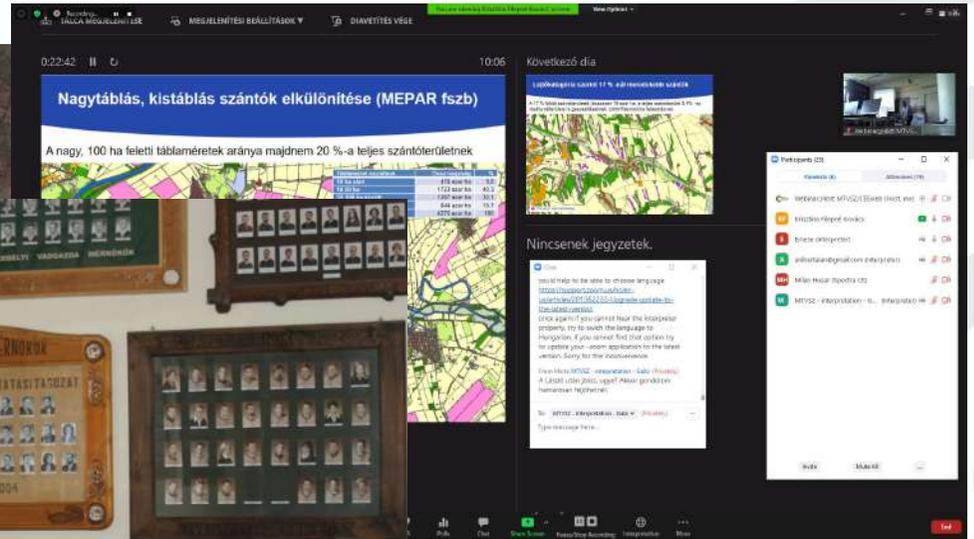
Meetings, field trips, trainings



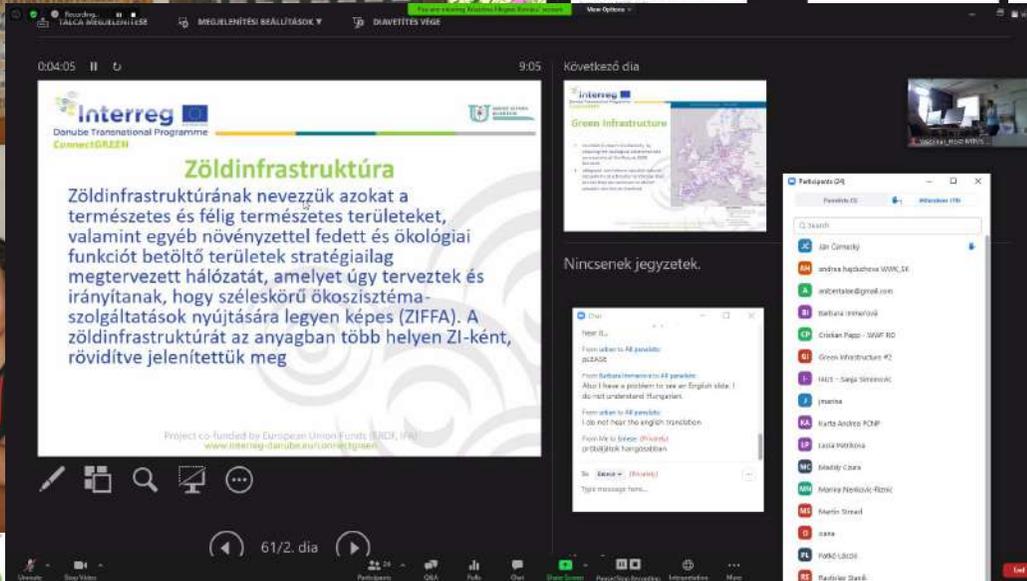
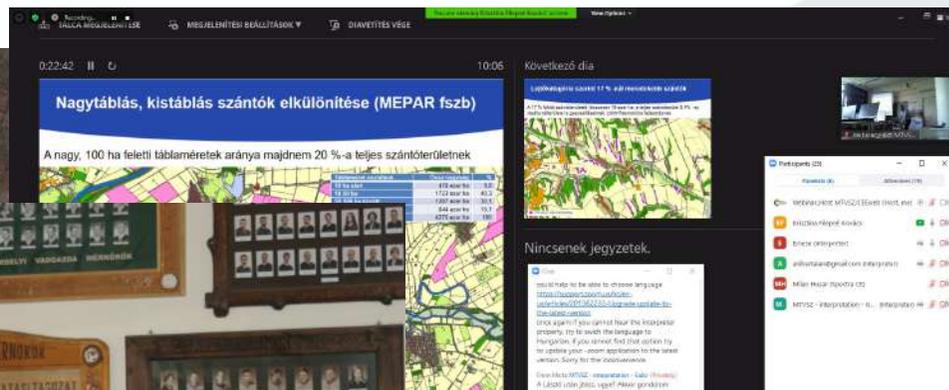
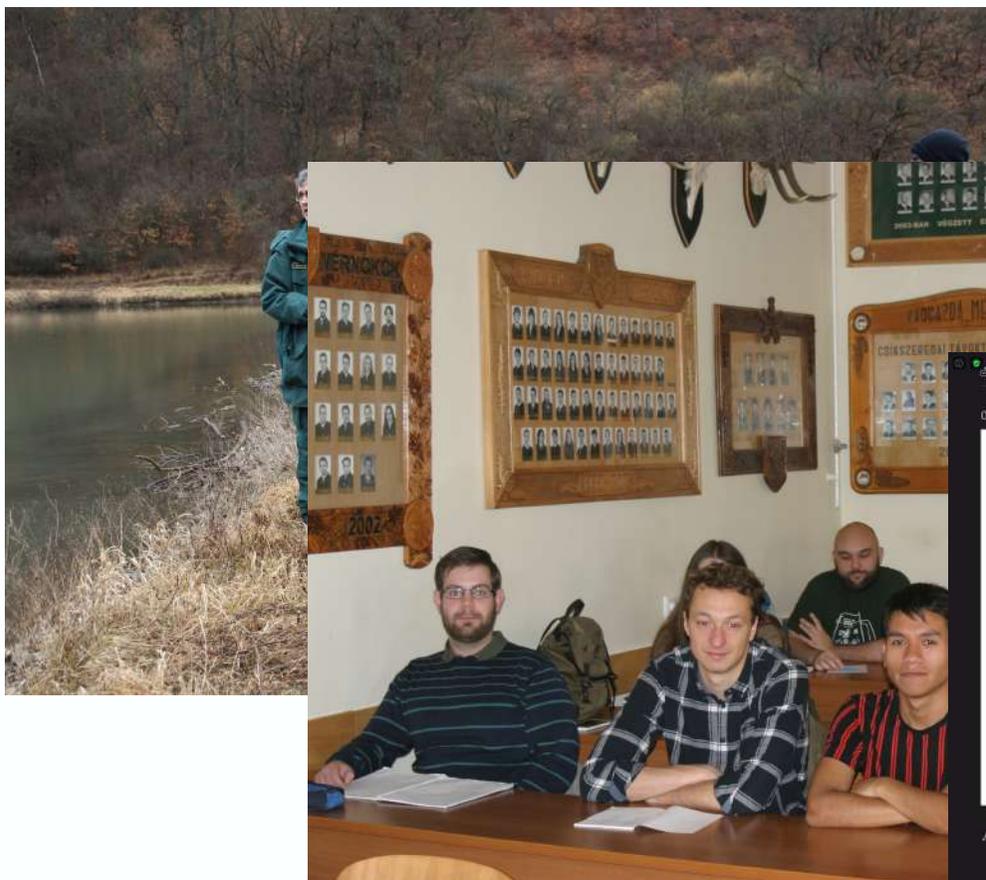
Meetings, field trips, trainings



Meetings, field trips, trainings



Meetings, field trips, trainings



Meetings, field trips, trainings






**OLD TITLE:
STRATEGY**
on the Identification, Conservation, Restoration, and Management of
Ecological Corridors in the Carpathian Ecoregion

1st draft 24/03/2020

Project co-funded by European Union Funds (ERDF, IPA)
www.interreg-danube.eu/connectgreen



Terület	Területi kód	Területi név	Területi típus	Területi terület (ha)	Területi terület (%)
1	101	101.1	101.1.1	172	40,2
2	102	102.1	102.1.1	200	38,1
3	103	103.1	103.1.1	446	101,1
4	104	104.1	104.1.1	207	46,8



Infrastruktúra
...k nevezzük azokat a természetes területeket, ...nyezettel fedett és ökológiai ...letek stratégiailag ...tát, amelyet úgy terveztek és ...leszkörű ökoszisztéma- ...ására legyen képes (ZIFFA). A ...z anyagban több helyen ZI-ként, ... meg



Green Infrastructure
...the concept of Green Infrastructure (GI) as a network of natural and semi-natural areas, including green roofs, walls, and facades, and urban green spaces, which are designed and managed to provide a range of ecosystem services and benefits to urban and peri-urban areas.



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Meetings

Transferability Strategy of the Strategy on Identification, Preservation and Management of Ecological Connectivity in the Carpathians and other ConnectGreen outputs



OLD STRATEGY
on the Identification, Conservation
and Management of Ecological Corridors in

1st draft

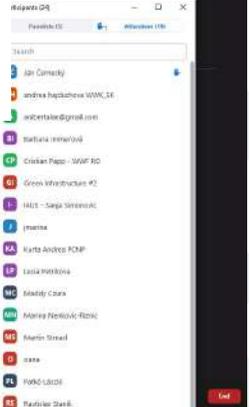
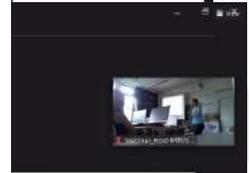
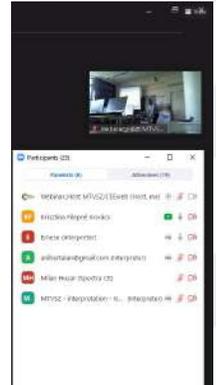


1st-draft

Project co-funded by European Union Funds (ERDF, IPA)
www.interreg-danube.eu/connectgreen

Project co-funded by Eur
www.interreg-danube.eu/connectgreen

...eskoru ökoszisztéma-
ására legyen képes (ZIFFA). A
z anyagban több helyen ZI-ként,
meg

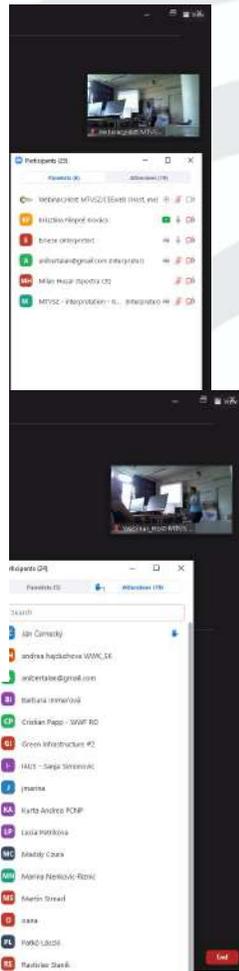
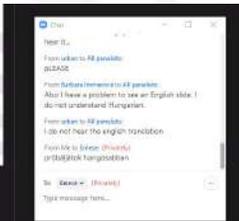


Meetings

Transferability Strategy of the Strategy on Identification, Preservation and Management of Ecological Connectivity in the Other ConnectGreen



koru ökoszisztéma-
ra legyen képes (ZIFFA). A
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eg





Thank you for your attention!