TRANSGREEN – ConnectGreen - Savegreen

Dr. Nagy Gabriella Mária - Hildegard Meyer
CEEweb for Biodiversity - WWF DCP

TRANSGREEN. Integrated Transport and Green Infrastructure Planning in the Danube-Carpathian Region for the Benefit of People and Nature
January 2017 – June 2019

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

TRANSGREEN. Integrated Transport and Green Infrastructure Planning in the Danube-Carpathian Region for the Benefit of People and Nature

Green Infrastructure vs. Grey Infrastructure
Aim of TRANSGREEN

Impact on ecological corridors / Green Infrastructure in the region which are important for

Negative impacts and treats
• Wildlife barriers
• Migration routes for wildlife – invasive species
• Biodiversity – natural habitats loss
Aim of TRANSGREEN

Impact on ecological corridors / Green Infrastructure in the region which are important for

Negative impacts and treats
• Landscape fragmentation
• Land use change
Aim of TRANSGREEN

Impact on ecological corridors / Green Infrastructure in the region which are important for

Negative impacts and treats
• Ecosystem services
• Stability & resilience of ecosystems
Aim of TRANSGREEN

Increase of transport infrastructure due to development causes

• Positive impacts
  — Economy
  — National development
  — Rural development
  — Global – long distance cooperation
  — Better availability of services

• All together the general Prosperity of the region
Specific objectives

1. **Cooperation** among relevant partners from transport, spatial planning and environmental sector is improved.

2. **Scientific knowledge** base for sound decision-making is created.

3. **Conflicts** between transport planning and Green Infrastructure objectives are **minimised**.
Outputs

- Planning toolkit
- Workshops on integrated transport infrastructure
- Catalogue of measures for each pilot area
- Actions focusing on conflict minimisation
- EIA training events
- Web-based database
- Draft text of Carpathian Convention Strategic Action Plan
- Multi-sectoral meetings and/or fora
Guidelines

“Wildlife and Transportation in the Carpathian Countries”

Guidelines on how to minimize impact of transport infrastructure development on nature in the Carpathian countries

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Pilot areas

Beskydy (Czech Republic, Slovakia)
Miskolc – Košice – Uzhgorod (Hungary, Slovakia, Ukraine)
Tîrgu Mureș – Iași (Romania)
Arad (Radna) – Deva (Romania)
Catalogue of measures

Beskydy
CZ/SK
One example – Beskydy pilot area

Focus on monitoring

Research undertaken

- Monitoring of traffic intensity patterns
- Monitoring of existing fauna passages along roads/rails
  - 415 objects were examined

Content

- Critical areas identified
- Recommendations for improvements towards permeability of roads/rails
EIA training pack – for eco-corridor planning

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Outputs - Transgreen

- Planning toolkit
  - Already existing meta and GIS data harmonization
  - Results from data Workfield on pilot areas
  - CCIBIS platform
  - On-line database
  - EIA training module on greenbridges planning
  - Guidelines on integrated transport infrastructure development

- Workshops, meetings, conferences for sectors, stakeholders, public
- Carpathian Convention: Transportation Strategic Action Plan for
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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ON-LINE DATABASE

- Wetland Habitats in the Carpathians
- Fauna, Flora and Habitats – Biodiversity Database
- Protected Areas in the Carpathians
- Natura 2000
- Nature Protection and Protected Area Legislation
- Ecological Network
- Threats to the Natural Environment
- Red List of Species, Habitats and Invasive Alien Species in the Carpathians
- Sustainable Development in the Carpathian Region

See all FEATURES

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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

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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...
Thretes

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

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Threats

- Infrastructure development
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- Loosing ecosystem services
- Decreasing biodiversity

Opportunities

- Climate change
- Existing natural assets and willingness to protect them
- Lack of cooperation
- Long lasting development processes
- Ambitious new EU policy

www.interreg-danube.eu/connectgreen
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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The methodology
Methodology for the identification of migration corridors for large carnivores in the Carpathian Countries

1. Identification of ecological corridors
2. Reconciliation of nature conservation and spatial planning practices,
3. Capacity building of protected areas' staff
Flowchart of ConnectGreen Project

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**Monitoring & data collection**

**Field work in pilot areas**

- Embed data
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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
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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Core areas / corridors / critical zones in CZ

By Martin Strnad
Critical zones delineation

Critical zone in the middle of corridor

Critical zone within core area

By Martin Strnad
Critical zones in the middle of corridors

By Martin Strnad
Critical zones within core area

By Martin Strnad
Forest free areas

By Martin Strnad
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Meetings, learning package, strategy
Meetings, field trips, trainings
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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
Meetings

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

OLD STR.
on the Identification, Conservation
Ecological Corridors in

1st draft:

1st-draft

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Meetings

Transferability Strategy of the
Strategic Framework
Preservation and Management of
Ecological Connectivity in the
Danube Region

ConnectGREEN

www.interreg-danubecit.com/connectgreen
Meeting on the Identification, Conservation, and Development of Ecological Corridors

1st call

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Agromix project
AGROMIX use of a network of 83 sites with
- Mixed Farming (MF),
- AgroForestry (AF) or
- value chain stakeholder networks,
- For measure, design, model, test and improve these systems.
- Testing in 12 pilots across Europe.
- 6 replicated long-term trial sites are used for detailed analysis (crops and livestock).
Aims:
- deliver participatory research
- to drive the transition to a resilient and efficient land use in Europe.
- practical agroecological solutions for
  - farm
  - land management and
- value chains.
AGROMIX has six specific objectives:
• 1) Unlock the full potential of synergies in MF/AF systems.
• 2) Develop and promote value chains and infrastructure for MF/AF produce.
• 3) Develop the MIX-A toolkit to co-design and manage MF/AF systems in practice.
• 4) Identify and model transition scenarios.
• 5) Develop policy recommendations and action plans for a successful transition.
• 6) Maximise the impact and legacy of the project for building low-carbon climate-resilient farming systems.
Partners:
- 10 universities,
- 7 research institutes and
- 11 multiactor partners.
Tematic WPs:

- Indicators and scenarios will refine the greenhouse gas inventories for MF/AF systems and model transition scenarios.
- Develops and tests the „MIXapplication” serious game
- Economics and value chains,
- Policy co-development,
- - action plans and
- - dissemination delivering impact and exploitation through practical innovations on farms, in value chains, at different policy levels and through communication and knowledge hubs across Europe.
Thank you for your attention!