


STRATEGY ON IDENTIFICATION, PRESERVATION AND MANAGEMENT OF ECOLOGICAL CORRIDORS IN THE CARPATHIAN COUNTRIES

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Concept of the strategy



Headline
targets



Concept of the strategy

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Vision

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Towards
Activities

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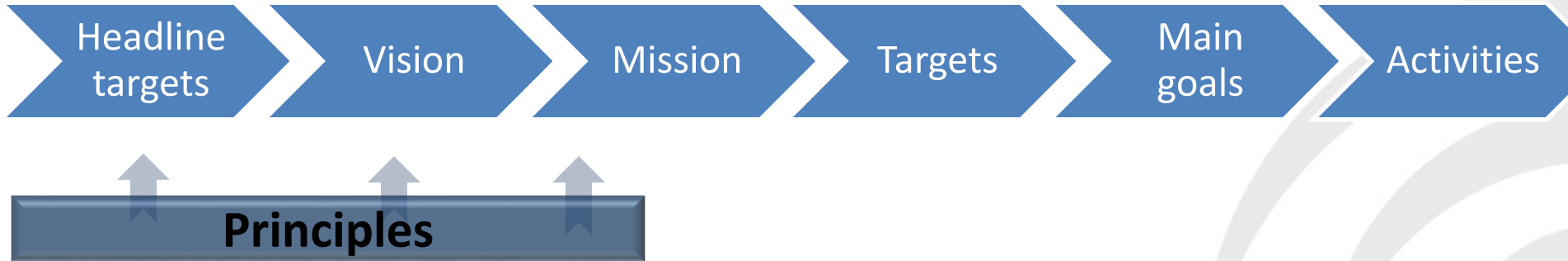
Mission

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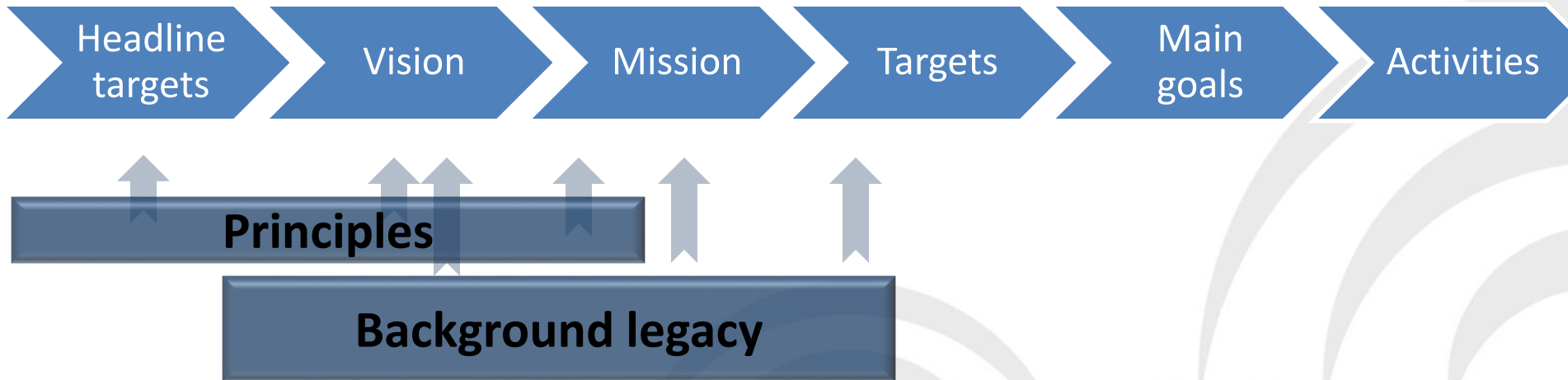
Activities

Concept of the strategy



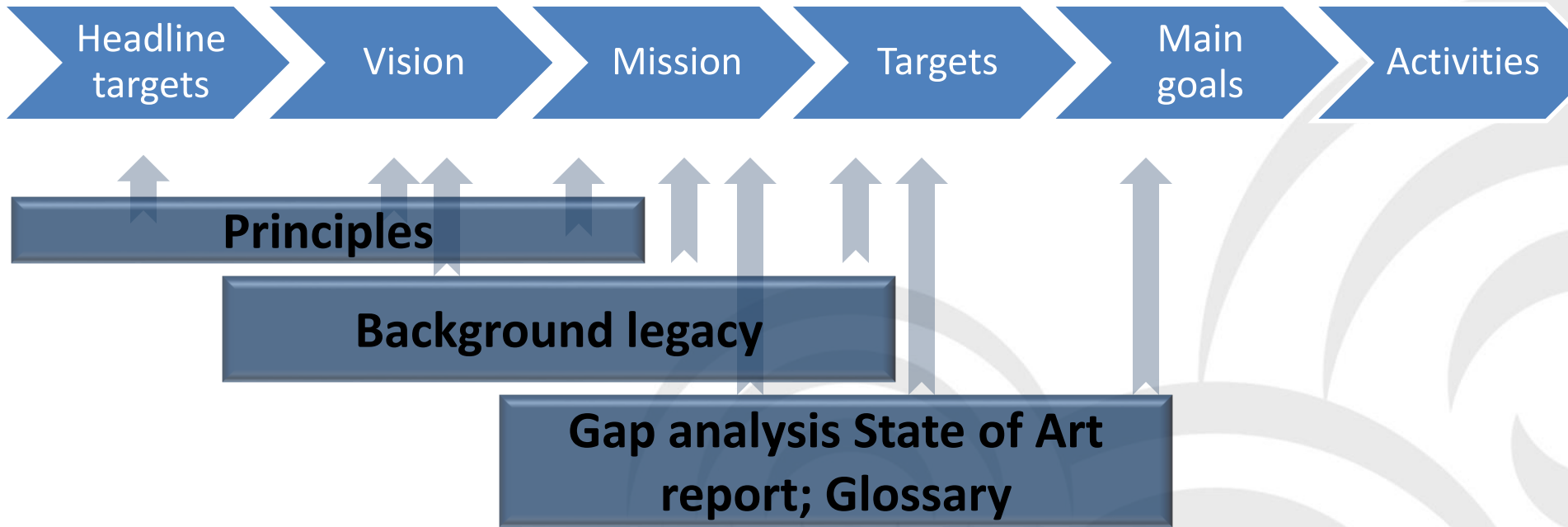
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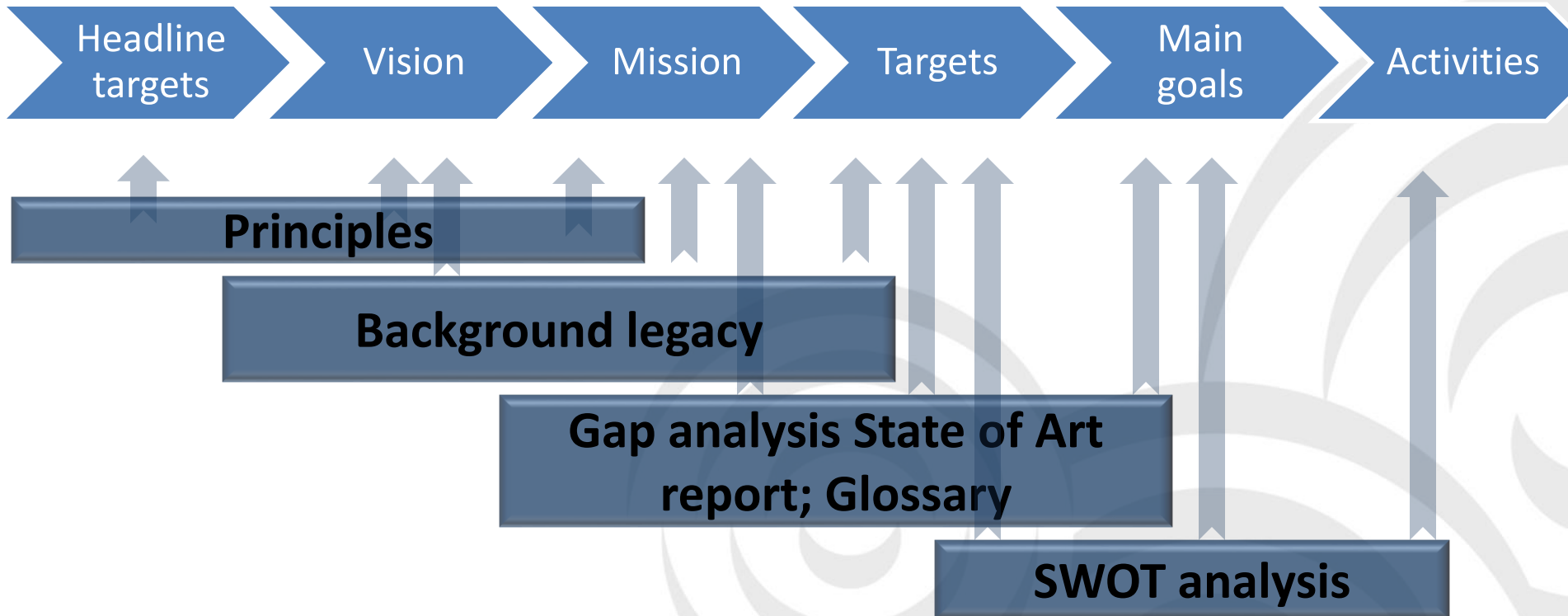
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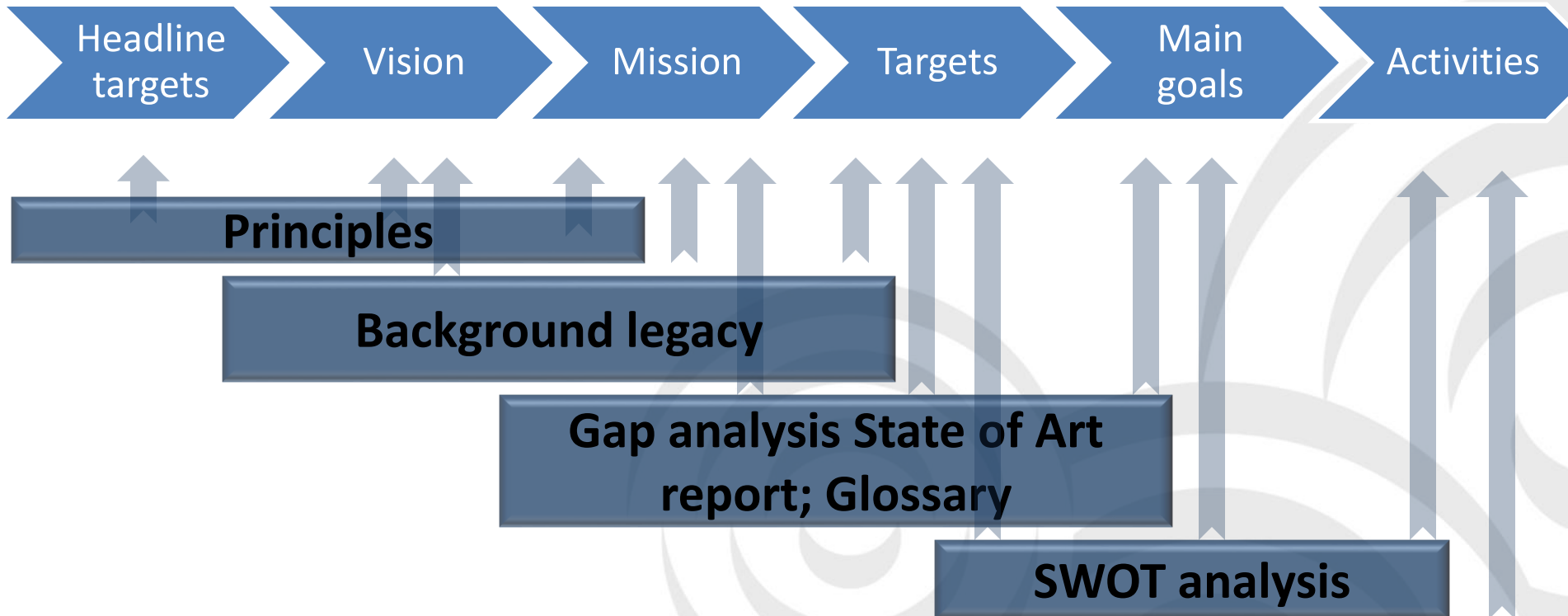
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Concept of the strategy



Construct of the strategy



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Sustainable Development
 On-the-spot Protection
 Enhance Resilience Economic Growth
 Provision Of Symbiotic Assets
 Circular Economy Ecosystem Services
 Sustainable Land-use Protect Natural Capital
 Untouched Wilderness Integrated Development In The Framework Of National Nature Protection
 Ecological Carrying Capacity Harmonized Development Healthy Livelihood
 Protect Biodiversity Little Beauty Long-term
 Climate Change Resilience Subsidiary
 Protect Habitat To Large Carnivores Viability Of The Earth
 Future Generations
 Legislation-Planning-Construction-Maintenance
 Foster Eco-corridor Network
 Avoid Further Loss Of Habitat
 Global Cooperation
 Long-term Adaptation

Headline targets

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Headline targets:

- **Restore natural assets** and even **increase connectivity** between ecological corridor elements
- **Harmonized development** of green, blue and gray **infrastructure**
- Reaching a well-balanced structure **between human well-being** and a **resilient ecosystem**.



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Headline targets:

- Restore natural assets and even increase connectivity between ecological corridor elements
- Harmonized development of green, blue and gray infrastructure
- Reaching a well-balanced structure between human well-being and a resilient ecosystem.

Carpathian countries are restoring one of the last untouched wilderness of Europe, inhabiting one of the greatest populations of large carnivores, therefore the precious task fall on them to protect this assets for future generations, by harmonizing development relations within green, gray and blue infrastructure in order to restore and even increase the eco-corridor network in the Carpathian eco-region through on-the-spot protection activities targeting short term solutions and passive protection by law to ensure a long term adaptation into legislation, planning, construction and maintenance on EU, regional, national and local levels targeting a sustainable use of ecosystem services, avoiding further loss of habitats and concluding a well-balanced structure between human well-being and a resilient ecosystem.

Headline targets

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Headline targets:

- PRINCIPLES**
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Headline targets

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Headline targets:

PRINCIPLES

- Restore natural assets and even ensure connectivity between
- Improve human wellbeing and foster resource-based economic growth with the harmony of an intact landscape
- Enhance the resilience of the ecosystem and the society in the light of climate change

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Headline targets

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Headline targets:

PRINCIPLES

- Restore natural assets and even ensure connectivity between based economic development of intact landscape
- Enhance the resilience of the ecosystem and the society in the light of climate change
- Protect and enhance natural capital of Europe to ensure habitats for large carnivores
- Improve human wellbeing and foster resource-based economic growth with the harmony of an

BACKGROUND LEGACY CONVENTIONS, DECLARATIONS, AGREEMENTS, LAWS

Carpathian countries are restoring one of the last untouched wilderness of Europe, inhabiting one of the greatest populations of large carnivores, therefore the precious task fall on them to protect this assets for future generations, by harmonizing development relations within green, gray and blue infrastructure in order to restore and even increase the eco-corridor activities targeting short term solutions and pass the protection by law to ensure a long term maintenance into legislation, planning, construction and targeting a sustainable use of ecosystem services, providing further loss of habitats and concluding a well-structured structure between human well-being and a resilient ecosystem.

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- **Regional cooperation for TEN-G improvement**
- **Promoting Carpathian green infrastructure**
- **Society needs harmonization – consultation**
- **Support mitigation measures to protect large carnivores from road-kill**
- **Effective protection of large carnivores from illegal killing**
- **Support implementation to Large carnivore protection targets with financial tools**

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**Gap analysis;
State of Art report;
Glossary**

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**Gap analysis;
State of Art report;
Glossary**

Regional cooperation for TEN-G improvement

Promoting Carpathian green infrastructure

Society needs harmonization – connectivity

Support mitigation measures to protect large carnivores from road-kill

Effectively protect large carnivores from illegal killing

Support implementation to Large carnivore protection targets with financial tools

**BACKGROUND
LEGACY
CONVENTIONS,
DECLARATIONS,
AGREEMENTS,
LAWS**

Vision

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- Support implementation to Large carnivore protection targets with financial tools

- **Fulfill EU nature legislation requirements**
- **Improve the legal status of green infrastructure**
- **Strengthen trans-boundary cooperation**
- **Restore ecosystem services**
- **Halt biodiversity loss and fragmentation**
- **Decrease road-kill by mitigation measures**
- **Awareness-raising**
- **Support EIA protocol improvement**
- **Support sectorial harmonization (legacy – planning process – construction – management/ agriculture – industry - forestry-wild life management - hunting – fishery – water management – nature park management)**

Vision

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Activities

- Regional cooperation for TEN-G improvement
- Promoting Carpathian green infrastructure
- Society needs harmonization – consultation
- Support mitigation measures to protect large carnivores from road-kills
- Effective protection of large carnivores from illegal killing
- Support implementation to Large carnivore protection targets with tools
- **Fulfill EU nature legislation requirements**
- **Improve the legal status of green infrastructure**
- **Strengthen trans-boundary cooperation**
- **Restore ecosystem services**
- **Halt biodiversity loss and fragmentation**
- **Decrease road-kill by mitigation measures**
- **Business-raising**
- **Support EIA protocol improvement**
- **Support sectorial harmonization/legacy planning process – construction – management/ agriculture – industry – forestry – water management (EPDF IPA nature park management)**

Active protection - Mitigation measures - Land-use change

Passive protection - Capitalization - Legislation - Consultation / Awareness rising / Cooperation

Financial support - CAP subsidies - regional/national/ local funds

Headline
targets

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Activities

- Protect assets, to stop fragmentation
- Increase functioning bio-connectivity, to strengthen the eco-corridor network and achieving resilient ecosystem
- Enhancing the resilience of ecosystem by passive protection, active rehabilitation, reconstruction, construction and revitalization projects
- Building a harmonized international level research system for harmonized mapping protocols on species and habitats
- Build a common database of the Carpathians eco-region – CCIBIS
- Synthesize a common evaluation system of the parting countries on Ecosystem services and embed into EIA process
- Support adaptation of good management practices

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Activities

- Support legacy embedding into sectorial practice on planning, executing and management levels
- Support making standards of how to implement principles and targets in the sectorial project and construction planning
- Coordinated actions to target enhancement of sectors' harmonization
- Support multi-level consultation for better understanding of each sector and each territorial level
- Supporting each actor with a different term of action plans to getting closer to a well-harmonized project system
- Management support tools for National Parks Directorates/ Forestry / Wildlife management/ water management / Agriculture

Headline
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- Knowledge transfer
- Awareness-raising
- Support for own financing tools by projects, EU funds, Industry contribution and governmental subsidies

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- A) Protected values
- B) Land-use changes
- C) Legislation
- D) Capitalization

A) Protected values

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Activities

 Existing assets

 Lack of database
Lack of mapping/attributus/free
tools for sectors
Lack of knowledge on existing
assets

A) Protected values

Headline targets

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Activities

Existing assets



Lack of knowledge on existing assets



Lack of database

Lack of mapping/attributes/free tools for sectors

General acceptance and expectation of species protection



Practical execution of protecting policies on-the spot



B) Land-use change

Headline targets


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Activities

 Considerably great protected areas

 Strong pressure on infrastructural development

Increasing built environment

Land-use change – traditional land-use loss

Monoculture agriculture

Fragmentation, Habitat loss, Habitat degradation,

Road-kill increase

B) Land-use change

Headline targets

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Activities

Considerably great

Land-use change into smaller intensive/precision agricultural solutions; changing livelihood expectations smaller, smarter flat

Change of transport technology (CO2 expectations, renewable fuel types, shared mobility)

Rehabilitation of missing eco-corridor elements and connections

Mitigation measures

Subsidies from CAP

Strong pressure on infrastructural

Lack of available land

Pay for externality of less intensive land-use

Smaller residents doesn't bring automate rehabilitation of left viligas

Increasing gap between social groups decreasing awareness in degrading/threatend areas

New technology doesn't decrease transport load – same territory need for capacity requirement

B) Land-use change

Headline
targets

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Considerably great

Land-use change into smaller intensive/precision agricultural solutions; changing livelihood expectations smaller, smarter flat

Change of transport technology (CO₂ expectations, renewable fuel types, shared mobility)

Rehabilitazaation of missing eco-corridor elements and connections

Mitigation measures – renew EIA/SEA

Subsidies from CAP

Strong pressure on infrastructural

New technology doesn't decrease transport load – same territory need for capacity requirement

Silent electronic technology increase road-kill

Lack of impact of nature protection on spatial planning process

Lack of acceptance of Nature protection principles in EIA

Lack of sectoral knowledge for high quality mitigation measure implementation

Lack of well targeted funds

C) Legislation

Headline
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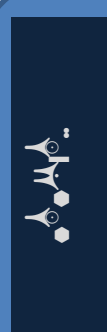
Targets

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In general strong and
standardized legislation as
EU requirements



Weak execution of legislation,
Backsteps in embedding nature protection
horizontal principles in sectoral
policies

Lack of cooperation in sectoral policy
making

Existing illegal killing



Strengthen laws by regional/EU
level cooperations

Strengthen implementation by
regional/EU requirements

Renew trust on sectoral cooperation
effected by climate change
resilience solutions



Different sectoral approach

Historical opposition within sectors
and actors

Lack of funds – no execution of
policy

D) Capitalization

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General requirement of protection from the society (with expection)



Not in my back-yard effect
Frightens from big carnivores in general
Lack of information,
Lack of knowledge,
Lack of awareness
Weak „Green” authority in some countries



Proper information through projects to different target groups
Multilevel/multisectoral communication
Involvement – understanding – awareness flow



Rescue core areas by reaching illegal hunters
Aweke interest on half information rise even more misunderstanding

Activities and their descriptions

Headline targets

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Impact of human activities Supporting documents and tools:

The humans have developed a wide range of solutions during our thousands of years of experience with large carnivores. As humans need to move freely to assure the continuation of their activities, also wildlife needs connected landscape structures for continuous exchange of genetic resources, for getting food, or for other specific needs. In recent decades, humans have often shaped and profoundly altered landscapes with little thought given to the cumulative impacts and at an unprecedented pace. In the Carpathian region, infrastructure and railways are also one of the main issues for the large carnivores. The rapid development of the region during the last few decades has increased landscape fragmentation, limiting dispersal and genetic exchange of wildlife due to human activities. Infrastructure development, fragmentation of the landscape and habitats, including aquatic habitats has been marked as one of the major threats to the preservation of the unique biodiversity and landscape diversity of the Carpathian.

Other main factor is agriculture and it is essential is sustaining human life while it can threaten wild species and spaces. The most notable effects for the animals are fragmentation, habitat loss, and migration.

Evaluate ground true data of social and economic relationship between human and large carnivores

Measure the economic damage caused by large carnivores in the factors

Promote effective compensation schemes

Support with know how to organize workshops at different levels to recognize stakeholders opinions on current conflict.

Produce and disseminate methods to minimize human-large carnivore conflicts and mediate with stakeholders.

Supporting documents and tools:

Recommendation 1:

- Evaluate ground true data of social and economic relationship between human and large carnivores
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- Promote effective compensation schemes
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- Produce and disseminate methods to minimize human-large carnivore conflicts and mediate with stakeholders

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Thank you for your attention!

Let's world café!

