

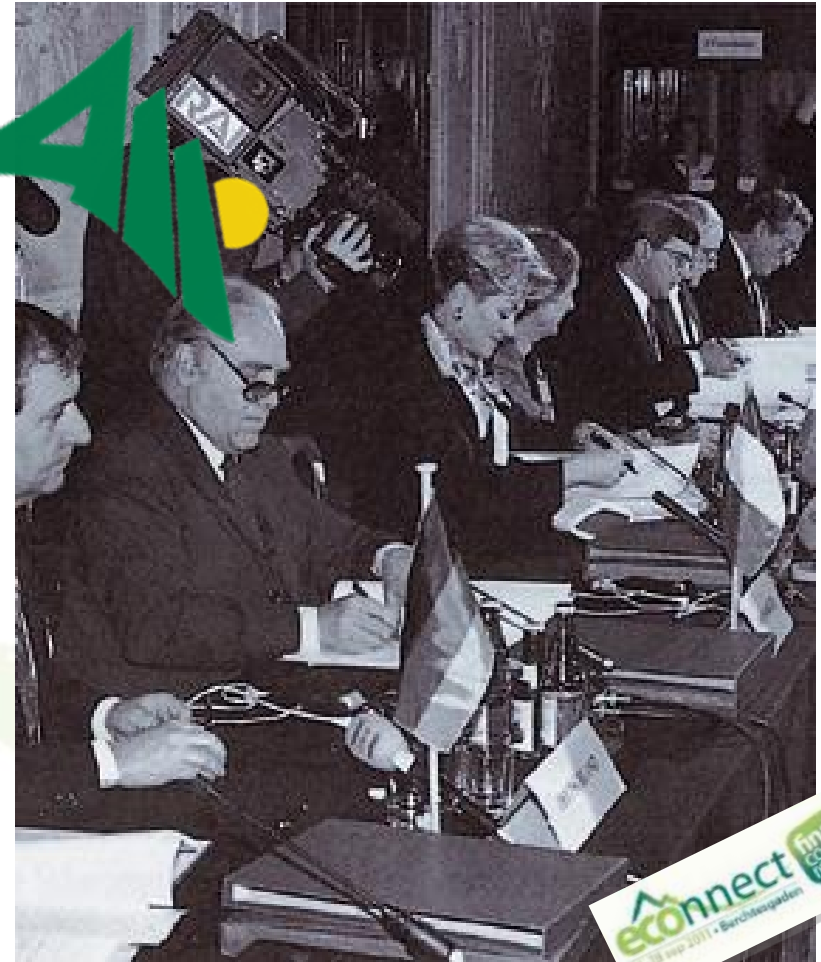
Econnect

Restoring the Web of Life



Protocol “Nature conservation and landscape planning” - Article 12

“The contracting parties take adequate measures to establish a network of existing national and transboundary protected areas, of biotopes and other protected elements or those to be protected. They commit themselves to harmonize the objectives and applicable measures in transboundary protected areas.”



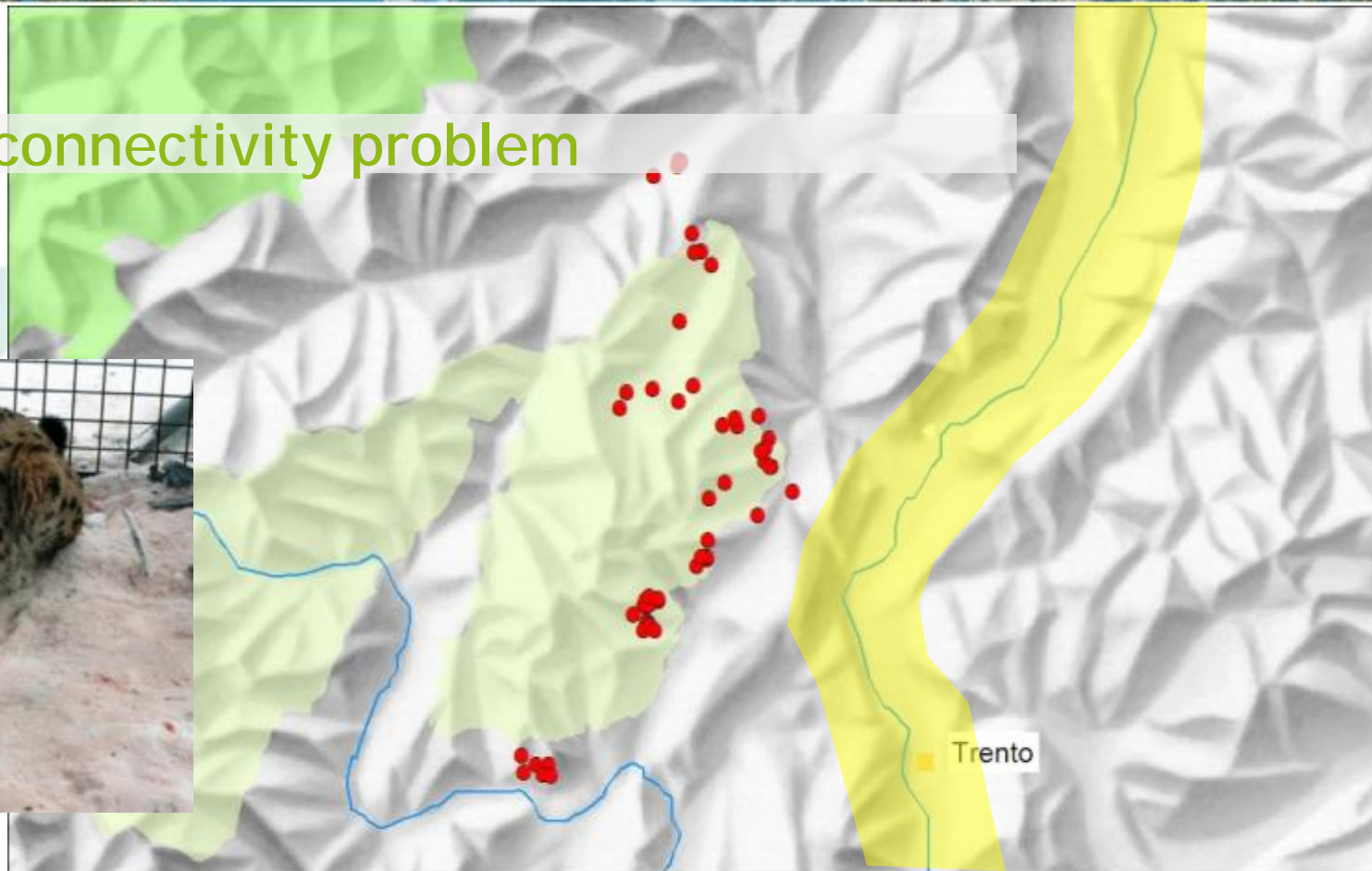
Protected areas in the Alps

Recognize the heterogeneous character of nature

The global - Alpine reality is that most protected areas are isolated from adjacent protected areas or that habitats are located in fragmented landscapes



The lynx connectivity problem



● Lokalisationen

■ Parco Nazionale dello Stelvio

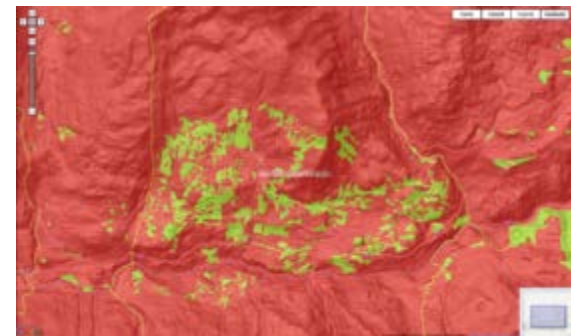
■ Parco Naturale Adamello Brenta



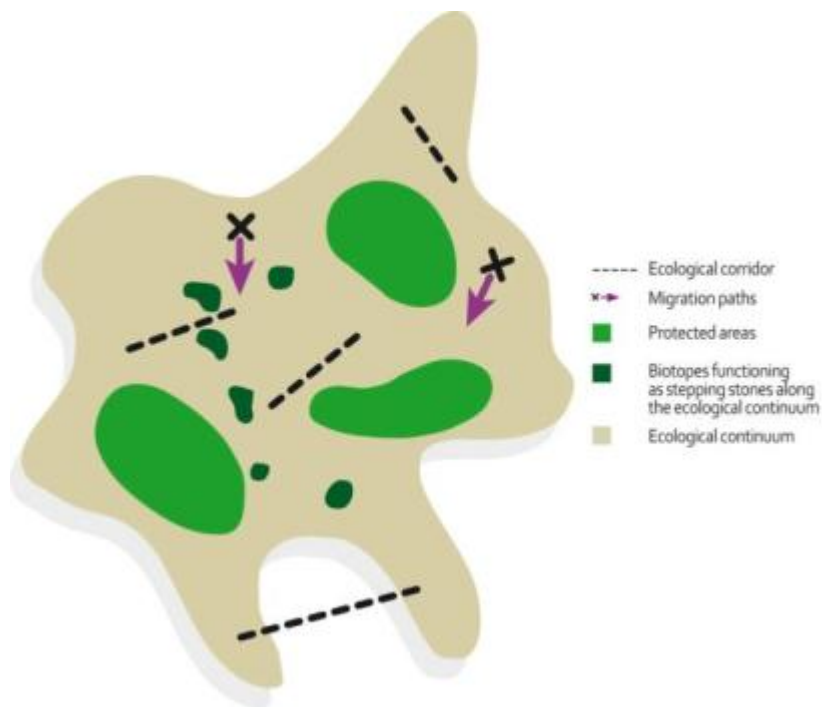
The lynx' connectivity problem



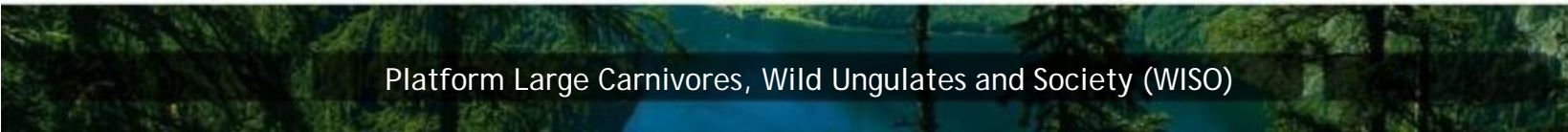
The butterflies' connectivity problem



The theory for both species...



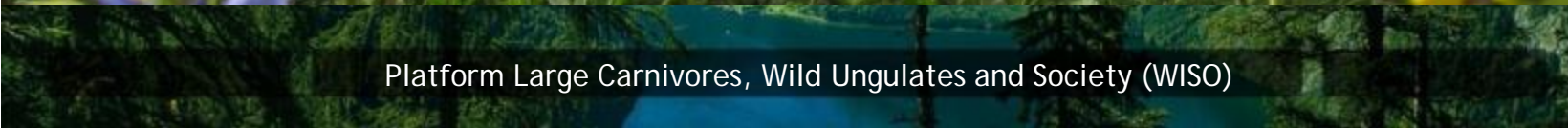
<http://www.alpine-ecological-network.org>



Platform Large Carnivores, Wild Ungulates and Society (WISO)

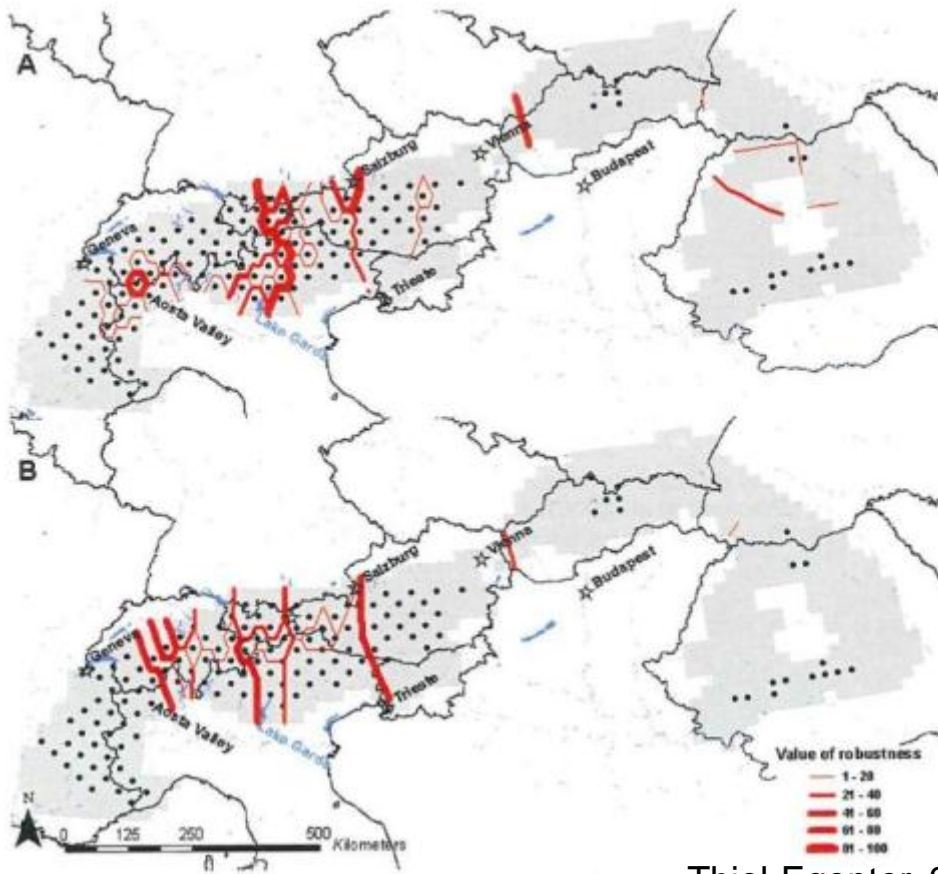


© Angelika Abderhalden



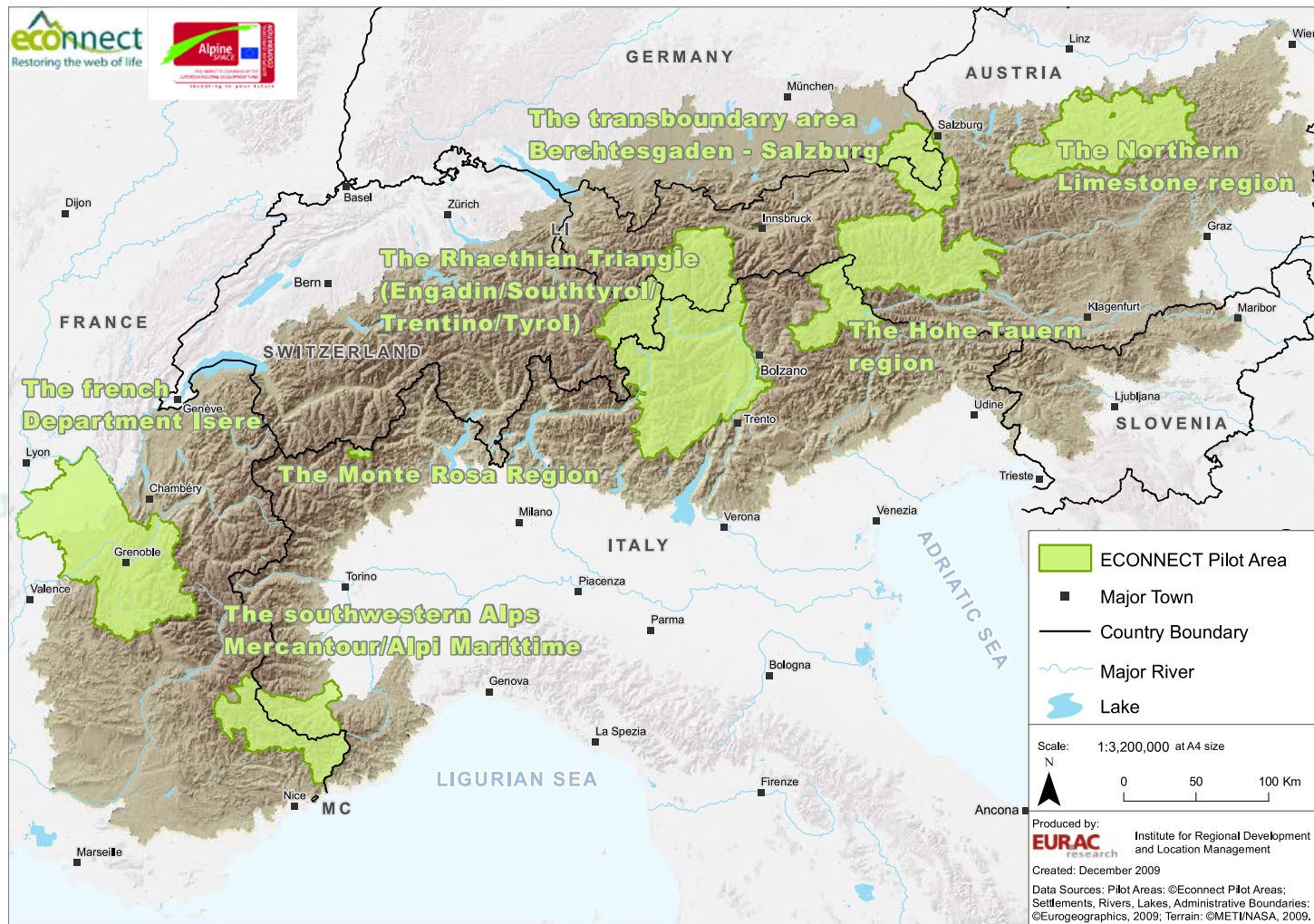
Platform Large Carnivores, Wild Ungulates and Society (WISO)

Genetical differences over the Alps



Thiel-Egenter, 2007





Project of ETC Alpine Space Programme and co-funded by ERDF

Total budget: 3.198.240,00€

The partnership is composed by sixteen partners from six Alpine countries

Austria

- **University of Veterinary Medicine Vienna, Research Institute of Wildlife Ecology (Lead partner)**
- National Park Hohe Tauern
- Federal Environment Agency
- National Park Gesäuse
- University of Innsbruck, Institute for Ecology

Germany

- National Park Berchtesgaden

France

- CEMAGREF
- Council of Department of Isère
- Task Force Protected Areas – Permanent Secretariat of the Alpine Convention

Italy

- Alpe Marittime Nature Park
- Autonomous Region of Valle d'Aosta
- European Academy of Bozen
- Ministry for the Environment
- WWF Italy

Liechtenstein

- International Commission for the Protection of the Alps (CIPRA)

Switzerland

- Swiss National Park



Result

What was the project actually trying to achieve?

Agreement concerning the conservation objectives



The Results

1. Vision
2. Pilot Regions
3. Scale
4. Functional and structural connectivity
5. Legal Analysis

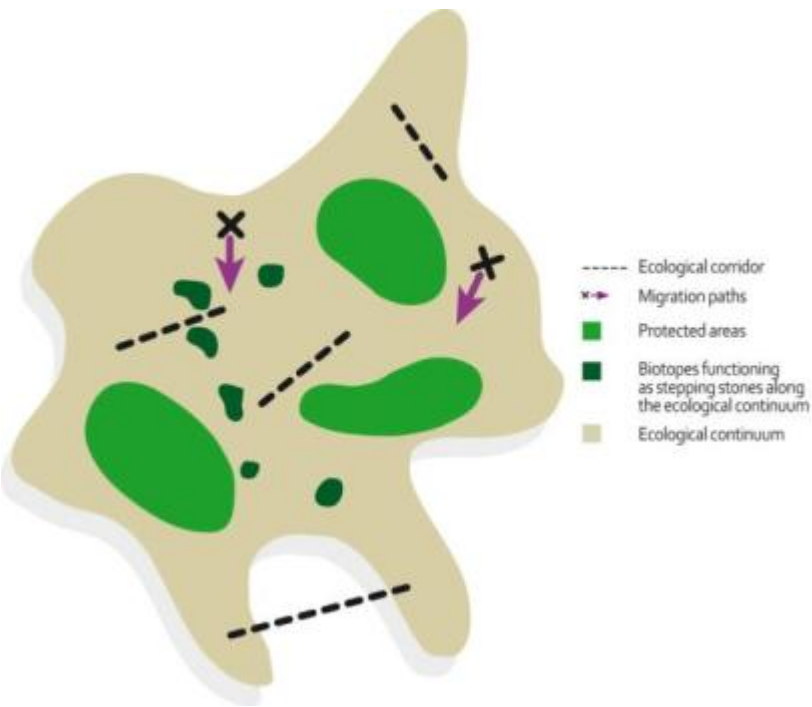


Vision

ECONNECT envisions an enduringly restored and maintained ecological continuum, consisting of interconnected landscapes, across the Alpine Arc region, where biodiversity will be conserved for future generations and the resilience of ecological processes will be enhanced.



The Econnect's Vision



Active adaptive management and governance of resilience must not be limited to individual elements of an ecological network (corridors, core zones), but must necessarily be applied to the entire territory (matrix) and across all sectors of society, while enabling nonexclusive, multi-functional spaces for sustainable economic and recreational activities Alpine communities.

<http://www.alpine-ecological-network.org>

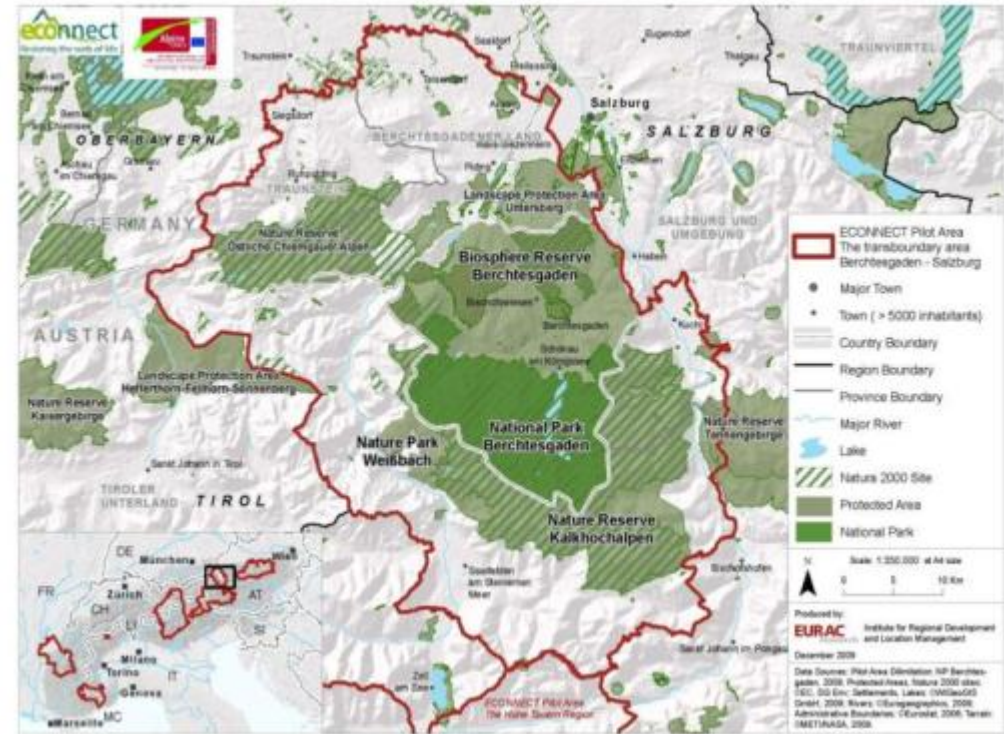
Ecological Measures

Local Networks

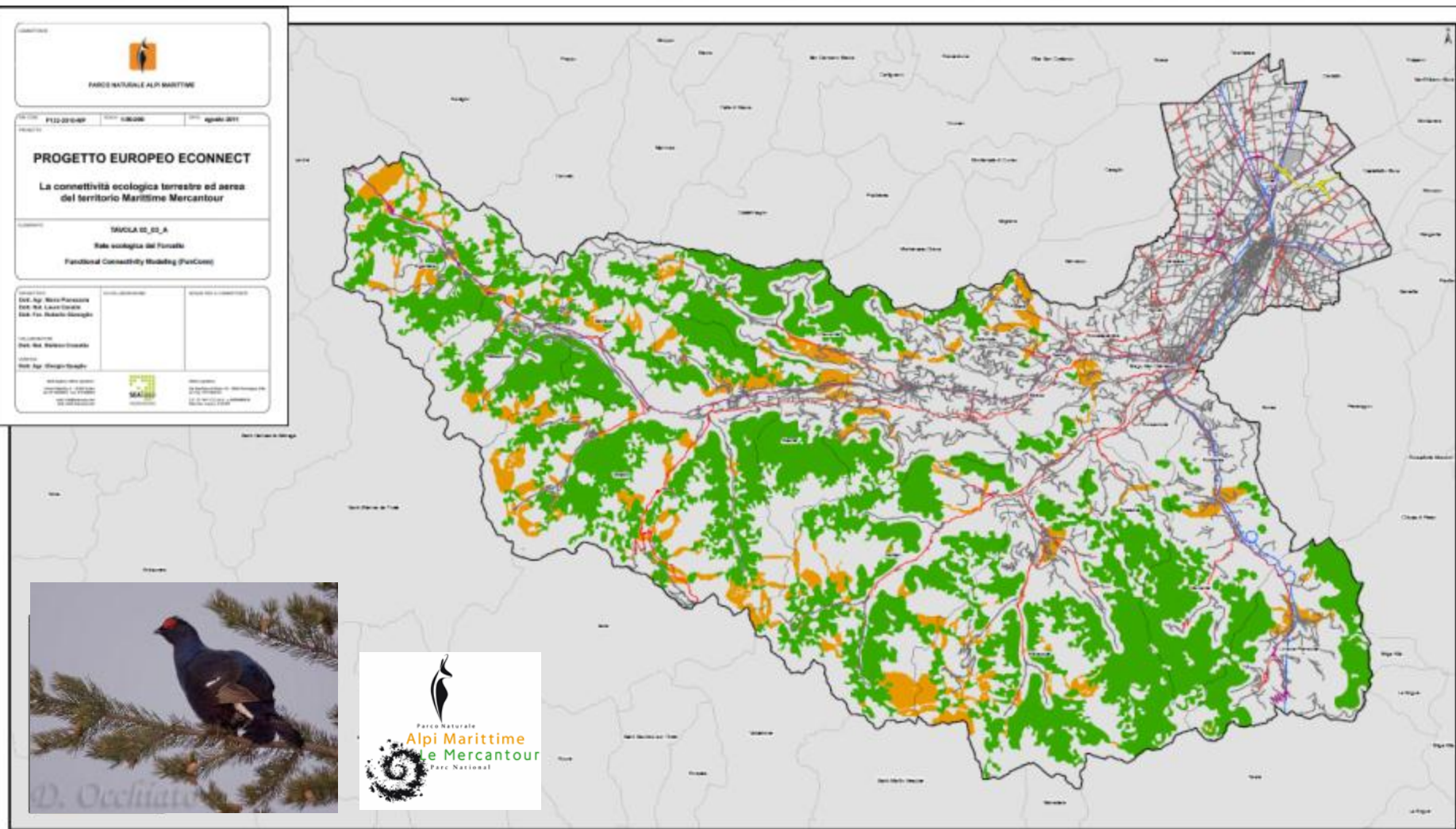
Common-Methodology

Implementation of Measures

(see implementation guidelines)

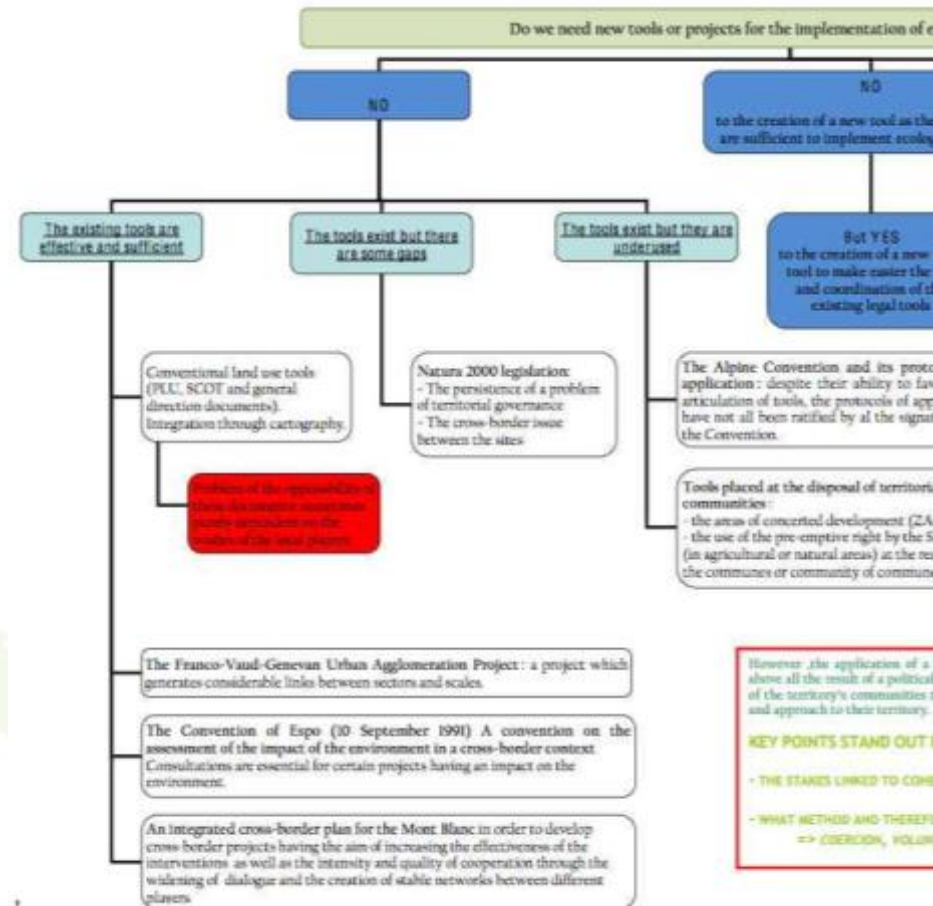


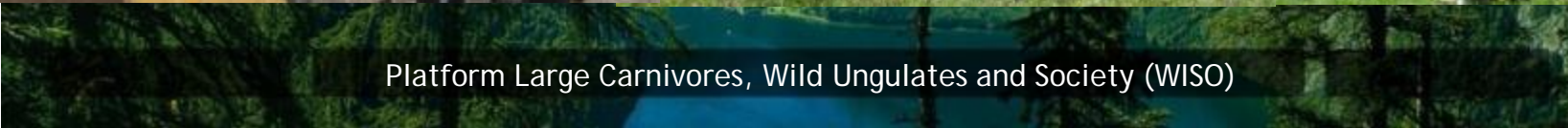




The Protection of Ecological Connectivity: Analysis of the Principal Legal Instruments.

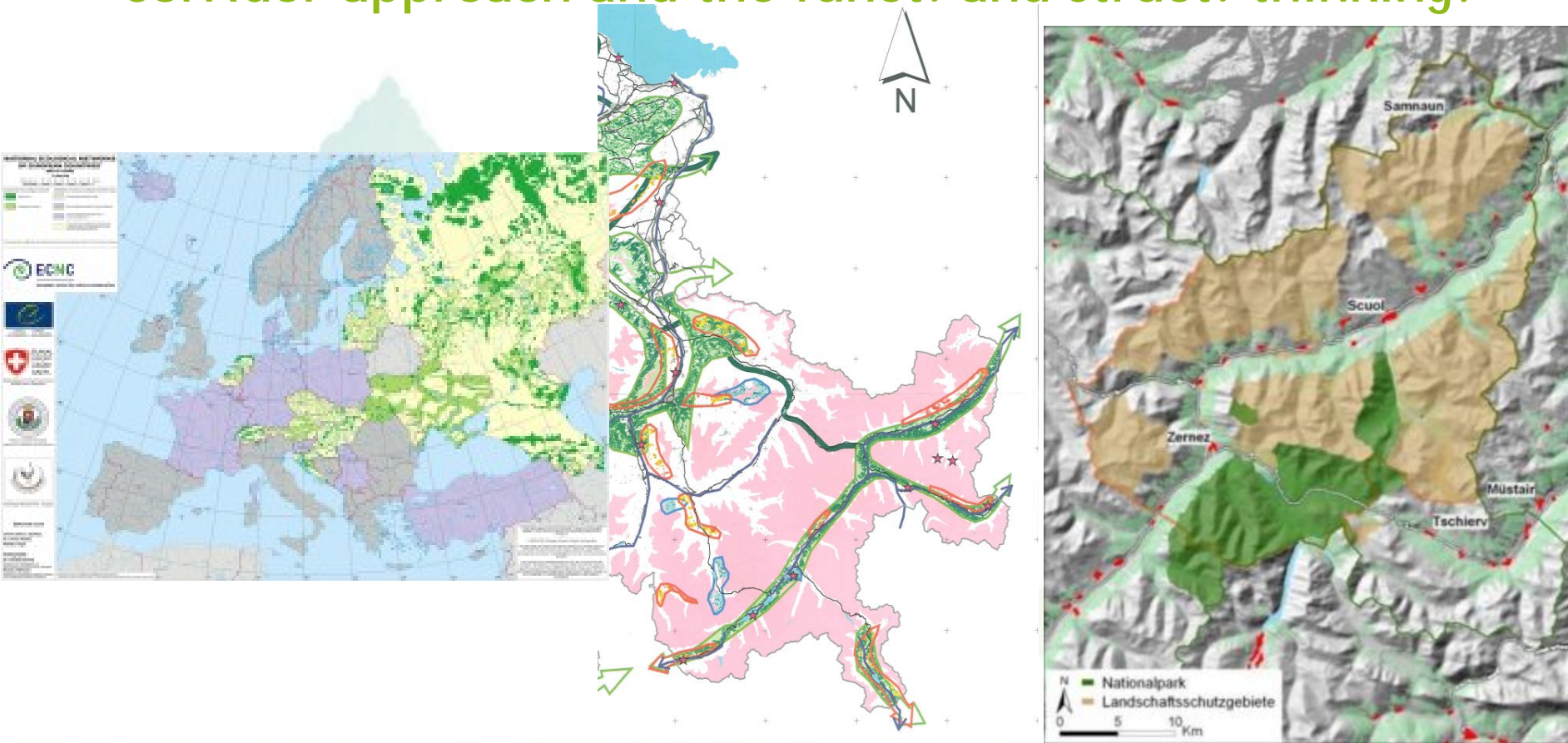
Comparisons between Swiss, French and Italian Jurisdictions.





Platform Large Carnivores, Wild Ungulates and Society (WISO)

How to concatenate all spatial levels, overcome the corridor approach and the funct. and struct. thinking?



Functional and structural connectivity



CSI

„The landscape approach“



SMA

„The species approach“



CARL

„The network approach“

Econnect's response to spatial permeability



JECAMI

Joint Ecological Continuum Analysis and Mapping Initiative

A platform to analyze and visualize ecological connectivity in the Alps from local scale to global scale, for functional and structural connectivity and for all parties of the society

Final Documents

Policy Recommendations

Final booklet

Synopsis

Implementation
recommendations





RECOMMENDATION 01

Valorise ecological connectivity for Alpine society and economy...

... which would provide a solution to the growing fragmentation of the Alpine space especially as an adaptation strategy to climate change.

RECOMMENDATION 02

Establish a legal framework to realise ecological connectivity measures at various scales ...

... in order to increase the chances of success, which are imperative to identify legal opportunities and obstacles for the feasibility of every project.

RECOMMENDATION 03

Integrate the concept of ecological connectivity into all spatial planning instruments at all scales (local to international) using an inter-disciplinary approach ...

... is essential for biodiversity conservation and for enhancing the resilience of ecological processes in the face of global anthropogenic changes in the multi-functional Alpine landscape.

RECOMMENDATION 05

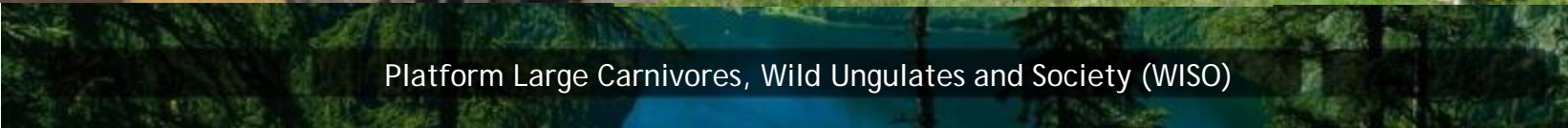
*Make a
funds op
managem
scale ...*

*with public
data
(one-wide)*

... in order to reduce
and management.

position





Platform Large Carnivores, Wild Ungulates and Society (WISO)



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