TransEcoNet – Transnational Ecological Networks in Central Europe

Investigating landscapes without borders

Prof. Dr. Elmar Csaplovics, Project Director TransEcoNet
TU Dresden, Institute of Photogrammetry and Remote Sensing
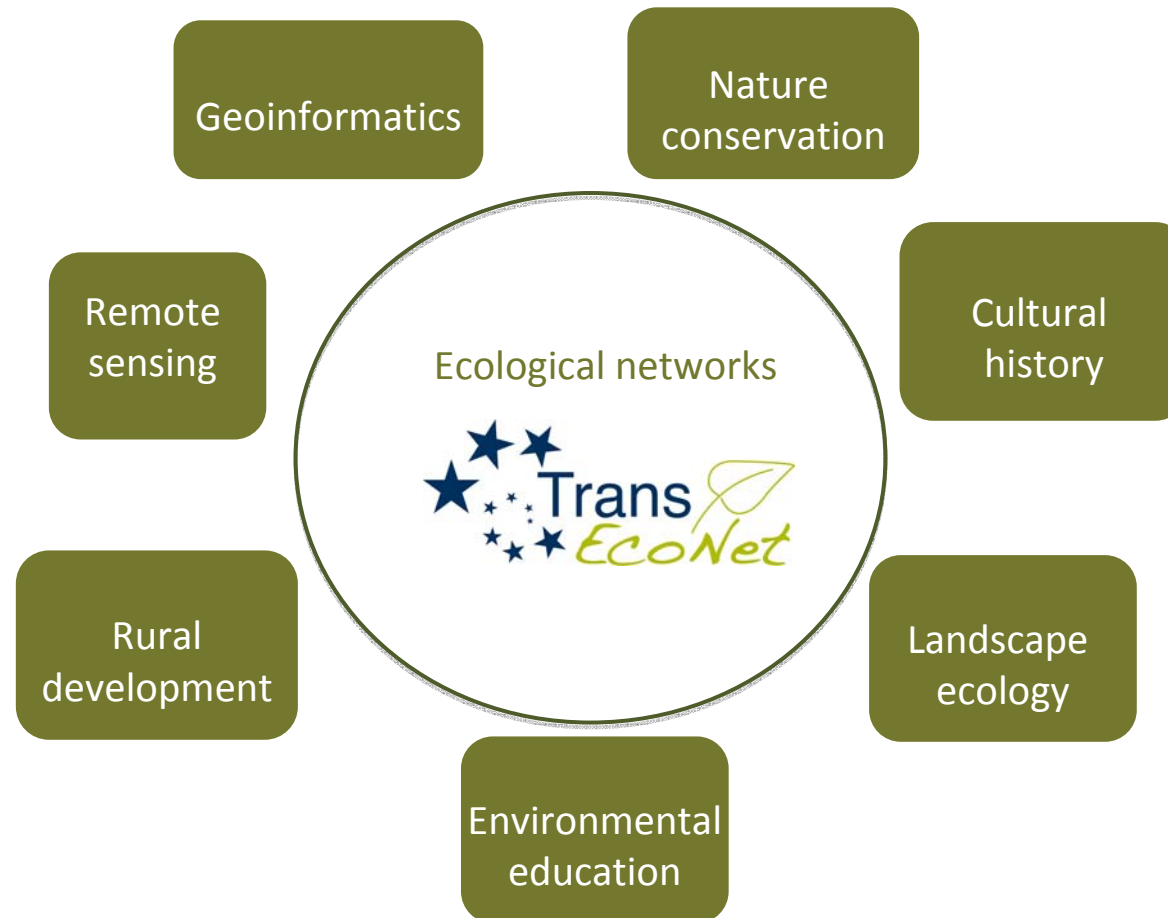TransEcoNet Final Symposium, 29-30 March 2012

History of the project

- Project idea based on a couple of former Interreg projects focussing on the cross-border harmonisation of spatial information systems for a better management of transboundary protected areas (e.g. SISTEMaPARC , Interreg IIIB CADSES 2004-2006)
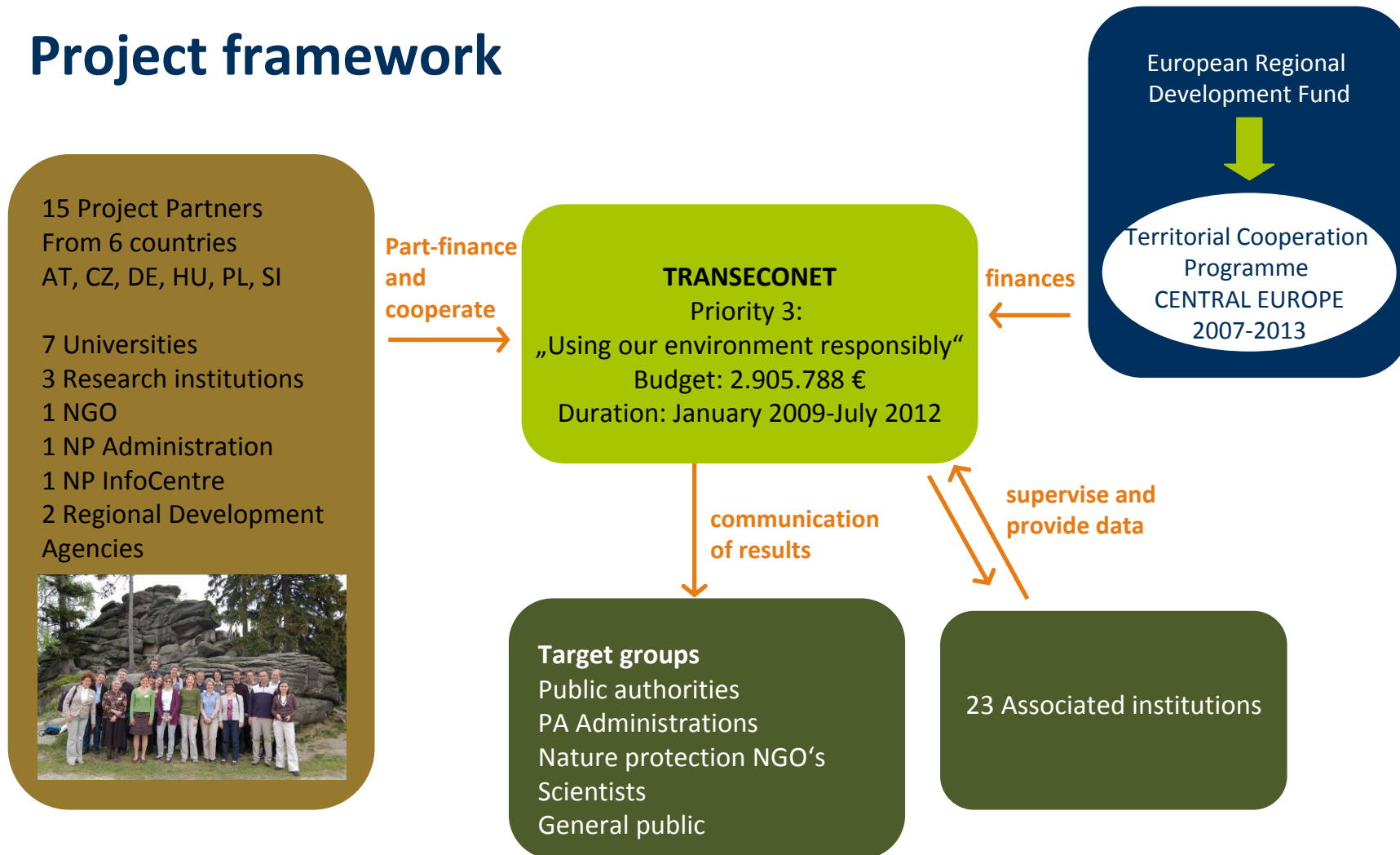
Prof. Dr. Elmar Csaplovics, Project Director TransEcoNet
TU Dresden, Institute of Photogrammetry and Remote Sensing
TransEcoNet Final Symposium, 29-30 March 2012

2

- Questions which led to the development of TransEcoNet:

    → How strong are Central European protected areas connected among each other? Where are the gaps?

    → How did transboundary landscapes develop in the past centuries?

    → How are cross-border landscapes constituted regarding their ecological functionality, biodiversity and ecosystem services?

    → How can awareness of transnational ecological networks be raised and contributions to their maintenance be achieved?

Prof. Dr. Elmar Csaplovics, Project Director TransEcoNet
TU Dresden, Institute of Photogrammetry and Remote Sensing
TransEcoNet Final Symposium, 29-30 March 2012

3

Transdisciplinary approach

Ecological networks

- Geoinformatics
- Nature conservation
- Remote sensing
- Cultural history
- Rural development
- Landscape ecology
- Environmental education

Prof. Dr. Elmar Csaplovics, Project Director TransEcoNet
TU Dresden, Institute of Photogrammetry and Remote Sensing
TransEcoNet Final Symposium, 29-30 March 2012

4

Project framework

European Regional Development Fund

↓

Territorial Cooperation Programme CENTRAL EUROPE 2007-2013

15 Project Partners
From 6 countries
AT, CZ, DE, HU, PL, SI

7 Universities
3 Research institutions
1 NGO
1 NP Administration
1 NP InfoCentre
2 Regional Development Agencies

Part-finance and cooperate →

TRANSECONET
Priority 3:
„Using our environment responsibly"
Budget: 2.905.788 €
Duration: January 2009-July 2012

← **finances**

communication of results

supervise and provide data

Target groups
Public authorities
PA Administrations
Nature protection NGO's
Scientists
General public

23 Associated institutions

Prof. Dr. Elmar Csaplovics, Project Director TransEcoNet
TU Dresden, Institute of Photogrammetry and Remote Sensing
TransEcoNet Final Symposium, 29-30 March 2012

5

Project regions

North (CZ – DE – PL)

Ore Mountains – Elbe Sandstone
Mountains – Lusatian Mountains –
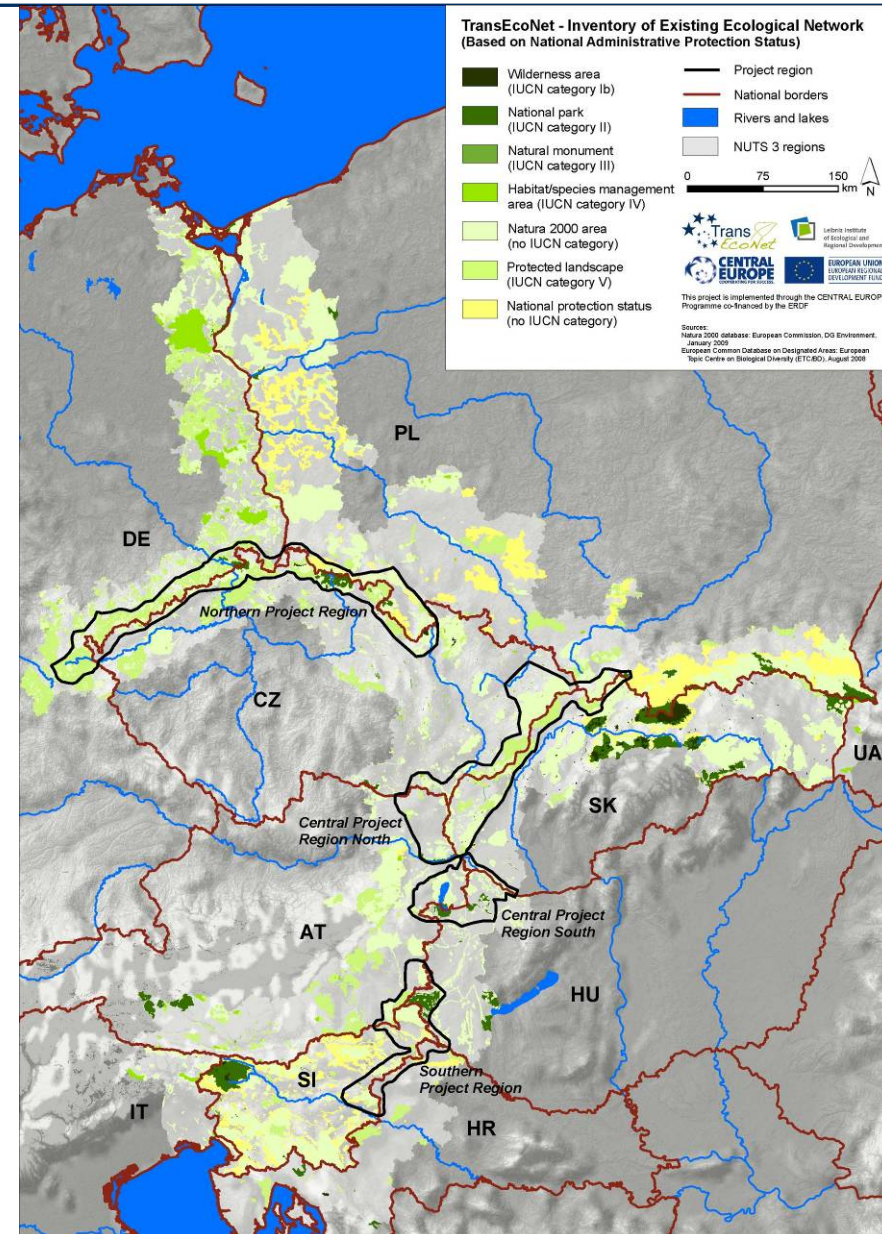Jizera Mountains – Giant Mountains

Central North (AT – CZ – SK)

Pálava – Morava-Dyje floodplains –
White Carpathians – Beskids

Central South (AT – HU)

Neusiedler See-Seewinkel/Fertö–
Hanság and surrounding landscapes

South (AT – HU – SI)

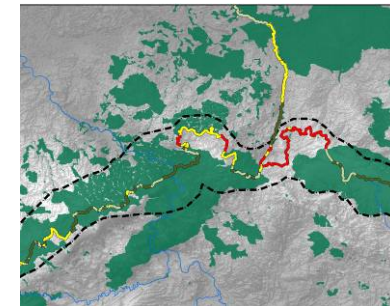Rába valley – Örség – Goričko –
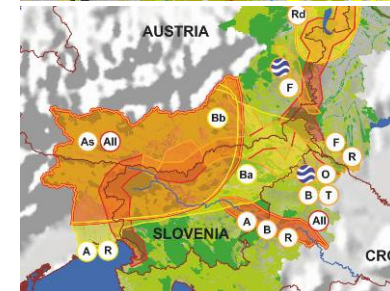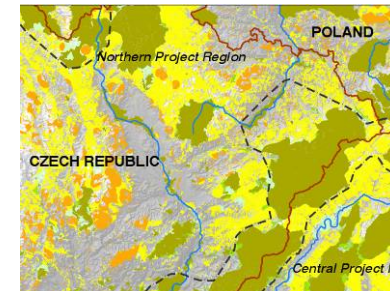Prekmurje/Pomurje – Kozjansko

Activities and outputs

Work package 3:

Inventory of ecological networks

- Transboundary connectivity
- Identification of potential habitat corridors and gaps
- Review of legal, political and planning framework

→ Studies, surveys and geodata, recommendations for safeguarding ecological networks

Prof. Dr. Elmar Csaplovics, Project Director TransEcoNet
TU Dresden, Institute of Photogrammetry and Remote Sensing
TransEcoNet Final Symposium, 29-30 March 2012

TransEcoNet

CENTRAL EUROPE
COOPERATING FOR SUCCESS.

EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND

Work package 4:

History of ecological networks

• Assessment of land use and vegetation cover change from the end of the 18th century till now

• Inventory of natural and cultural heritage in transboundary areas

→ Time series of historical maps, non-cartographic documents, books and films visualising landscape change

TECHNISCHE
UNIVERSITÄT
DRESDEN

Prof. Dr. Elmar Csaplovics, Project Director TransEcoNet
TU Dresden, Institute of Photogrammetry and Remote Sensing
TransEcoNet Final Symposium, 29-30 March 2012

8

Work package 5:

Ecosystem services and biodiversity

• Analysis of the functionality of landscapes in ecological networks

• Determination of protection values of and threats on landscapes

• Assessment of ecosystem services provided by crossborder landscapes

→ Studies and geodata, scenarios of landscape development, strategies how to maintain ecological networks

Prof. Dr. Elmar Csaplovics, Project Director TransEcoNet
TU Dresden, Institute of Photogrammetry and Remote Sensing
TransEcoNet Final Symposium, 29-30 March 2012

9

Work package 6:

Raising awareness

• Perception of landscape change: oral history surveys

• Visualisation of ecological networks and landscape change

• Implementation of the framework of ecological networks in Central Europe

→ Interviews, documentary films, inter-active visualisation tools, workshops, excursions, exhibitions, case studies

Prof. Dr. Elmar Csaplovics, Project Director TransEcoNet
TU Dresden, Institute of Photogrammetry and Remote Sensing
TransEcoNet Final Symposium, 29-30 March 2012

Thank you for your attention!

elmar.csaplovics@tu-dresden.de
www.transeconet.eu