



BUKOVINA



**Chernivtsi Oblast of Ukraine
Pilot Euroregion «Upper Prut»**

TECHNOLOGICAL

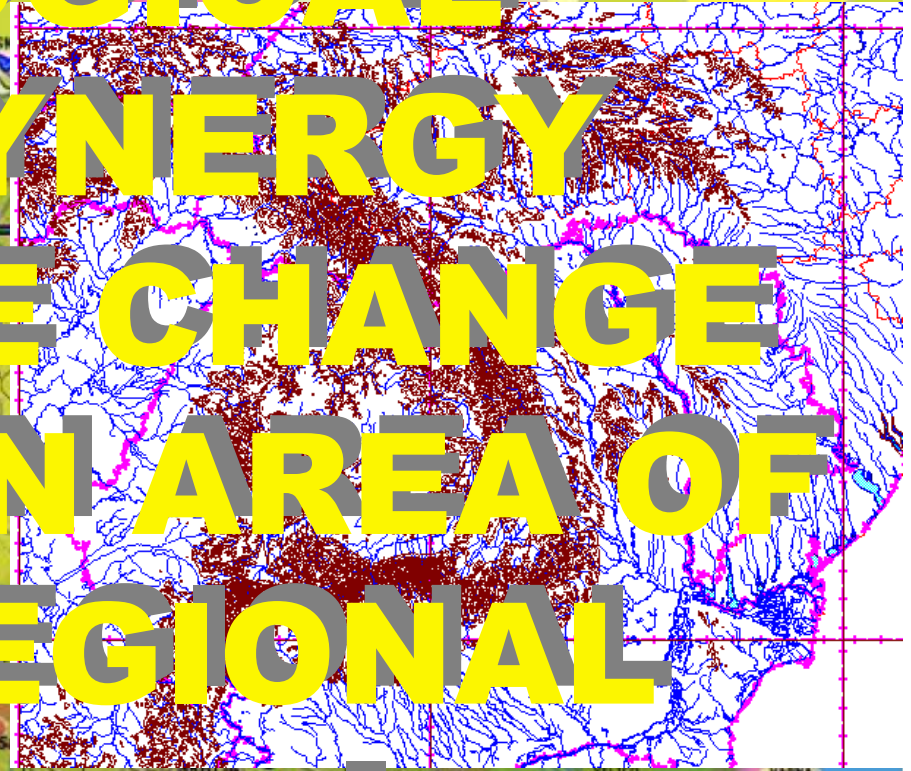
DYNAMIC SYNERGY

WITH CLIMATE CHANGE

IN CARPATHIAN AREA OF

EU MACROREGIONAL

STRATEGIES I



**Overlapping of EU macroregional
Danube & Baltic Strategies,
Neighbourhood Facility and Carpathian
Convention area**

EUSBSR + EUSDR

**Carpathian
Convention**

**Carpathian “lock”
of EU Macro-
regional Strategies**

ENPI EaP + EU-Russia

EUSDR Priority Areas

[PA 1B | Mobility | Rail-Road-Air \(http://groupspaces.com/MobilityRail-Road-Air/\)](http://groupspaces.com/MobilityRail-Road-Air/)

[PA 02 | Energy \(http://groupspaces.com/Energy2/\)](http://groupspaces.com/Energy2/)

[PA 03 | Culture & Tourism \(http://groupspaces.com/CultureTourism/\)](http://groupspaces.com/CultureTourism/)

[PA 04 | Water Quality \(http://groupspaces.com/WaterQuality/\)](http://groupspaces.com/WaterQuality/)

[PA 05 | Environmental Risks \(http://groupspaces.com/EnvironmentalRisks/\)](http://groupspaces.com/EnvironmentalRisks/)

[PA 06 | Biodiversity, landscapes, quality of air and soils \(http://groupspaces.com/BiodiversityLandscapesAirSoil/\)](http://groupspaces.com/BiodiversityLandscapesAirSoil/)

[PA 07 | Knowledge Society \(http://groupspaces.com/KnowledgeSociety/\)](http://groupspaces.com/KnowledgeSociety/)

[PA 08 | Competitiveness \(http://groupspaces.com/Competitiveness/\)](http://groupspaces.com/Competitiveness/)

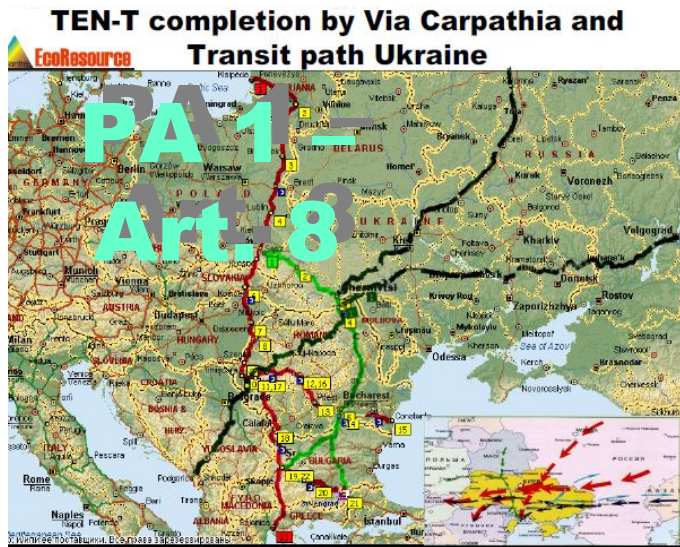
[PA 09 | People & Skills \(http://www.peopleandskills-danuberegion.eu/\)](http://www.peopleandskills-danuberegion.eu/)

[PA 10 | Institutional capacity and cooperation \(http://groupspaces.com/CapacityandCooperation/\)](http://groupspaces.com/CapacityandCooperation/)

[PA 11 | Security \(http://groupspaces.com/Security/\)](http://groupspaces.com/Security/)

CONFORMITY

**with Articles of Carpathian Convention and
draft EU Carpathian Strategy
for common projects implementation**



NATURAL-ANTHROPOGENIC ENVIRONMENT



Productions
Services
Consumption

Human

**Natural Objects,
including Mankind**

RESOURCES

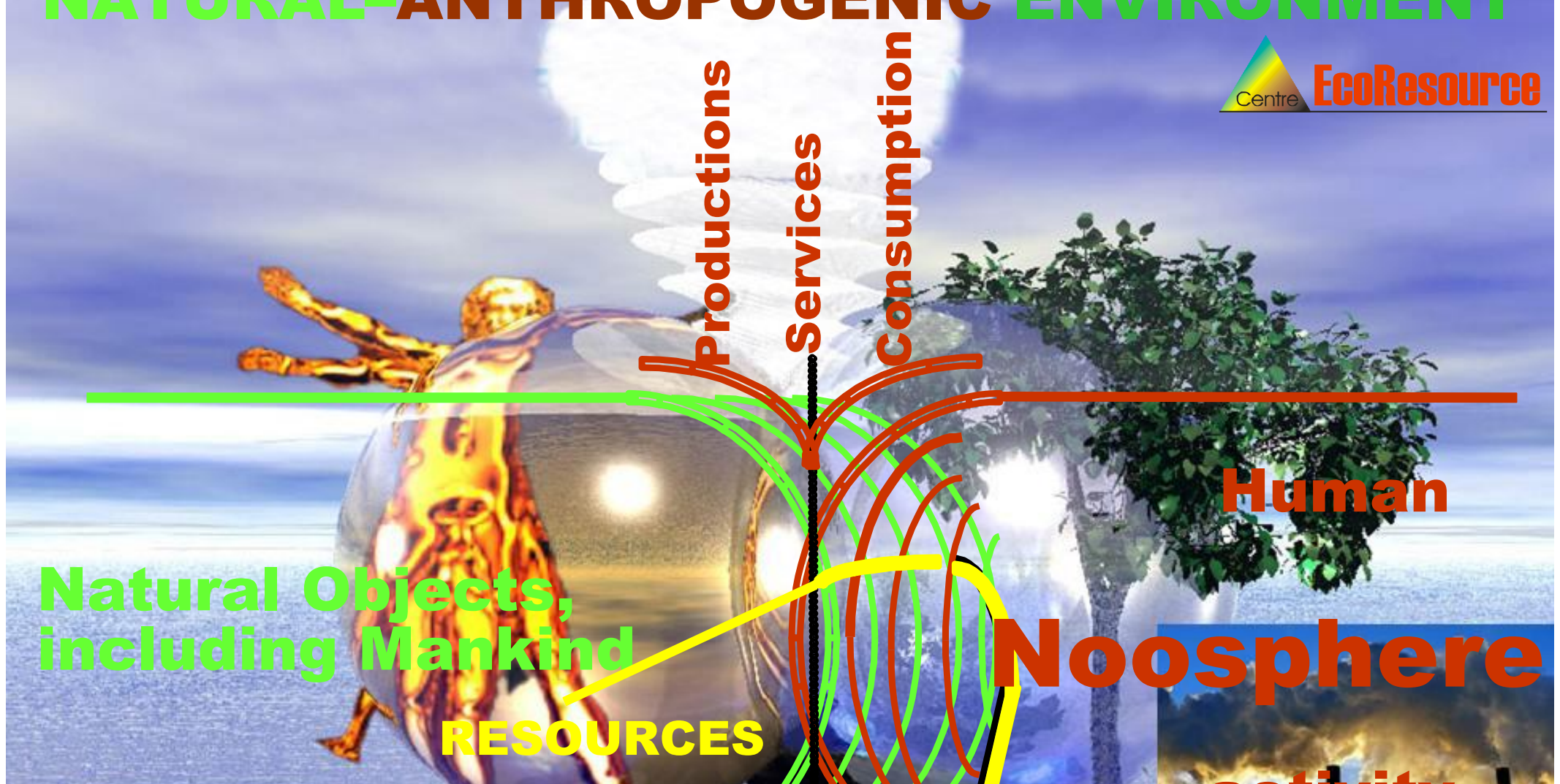
Noosphere

activity

Classic Ecology

Industrial metabolism

Solid, Liquid, Gaseous, Radiation & Energy Wastes



CLIMATE CHANGE IMPACT:

DIRECT :

PERCEPTION STAGES:

Temperature
of Air, Water, Soils

Neglecting

Full Water Circulation Cycle

Prevention (Kioto)

INDIRECT:

Mitigation

Human Health

Adaptation

Resources Quality & Quantity

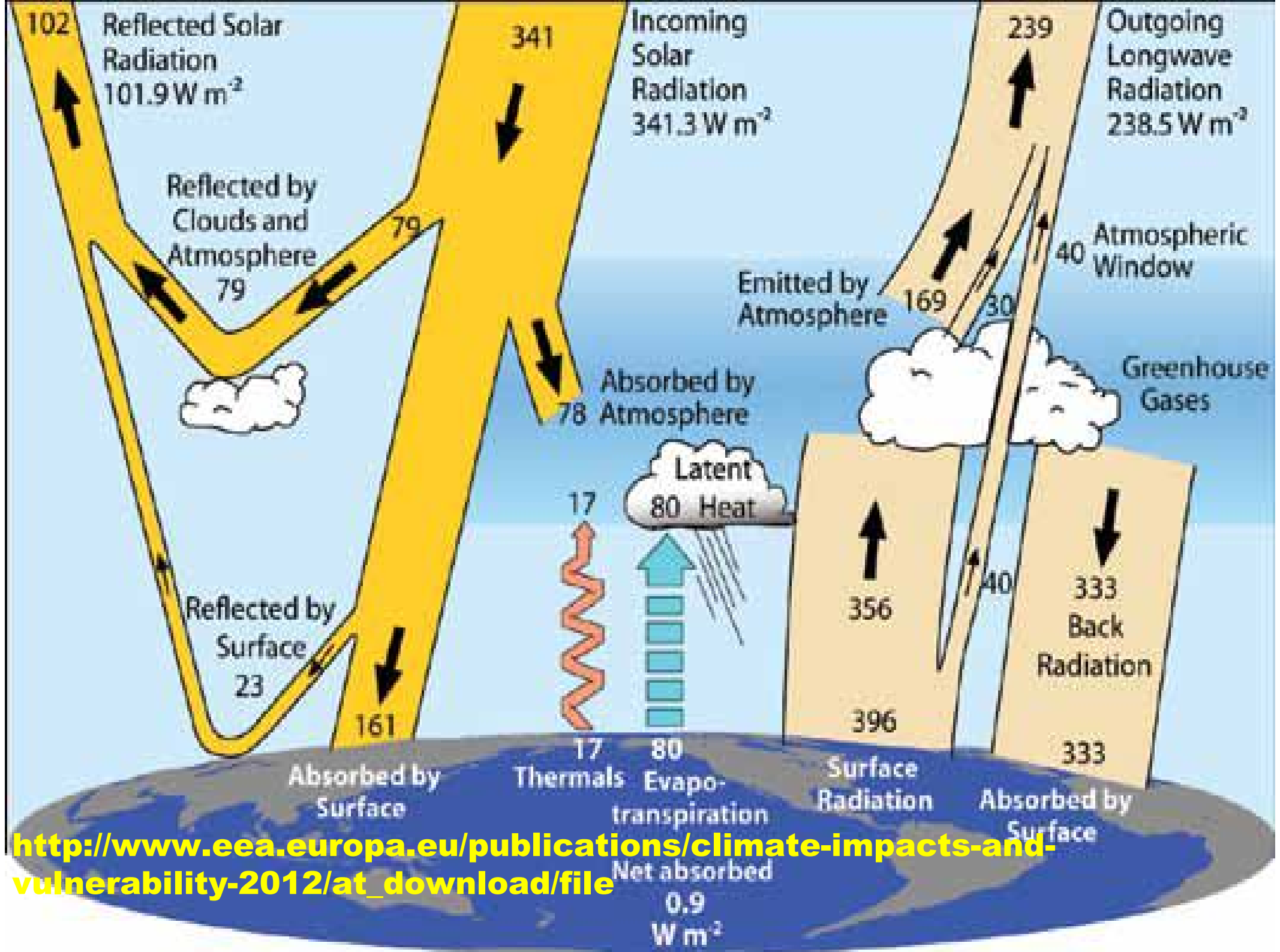
Dynamic

Technologic

Synergy

BALANCING

e.g. for Energy Cycle:
Sources, Production,
Transport, Utilisation,
Saving



http://www.eea.europa.eu/publications/climate-impacts-and-vulnerability-2012/at_download/file

TECHNOLOGY

**any kind of Human Activity
in Natural-Anthropogenic
Environment
directed to transformation of
Human, Material, Energy &
Informational Resources
for concrete aim(s)**

WHAT WE:

HAVE: by Technologies **DO:**

Environment

Geography

Resources:

Human

Material

Energy

Information/Knowledge

WHY

History

Foresight

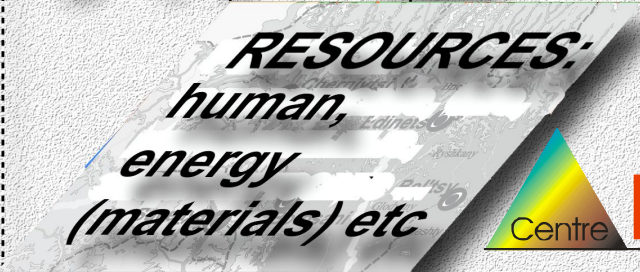
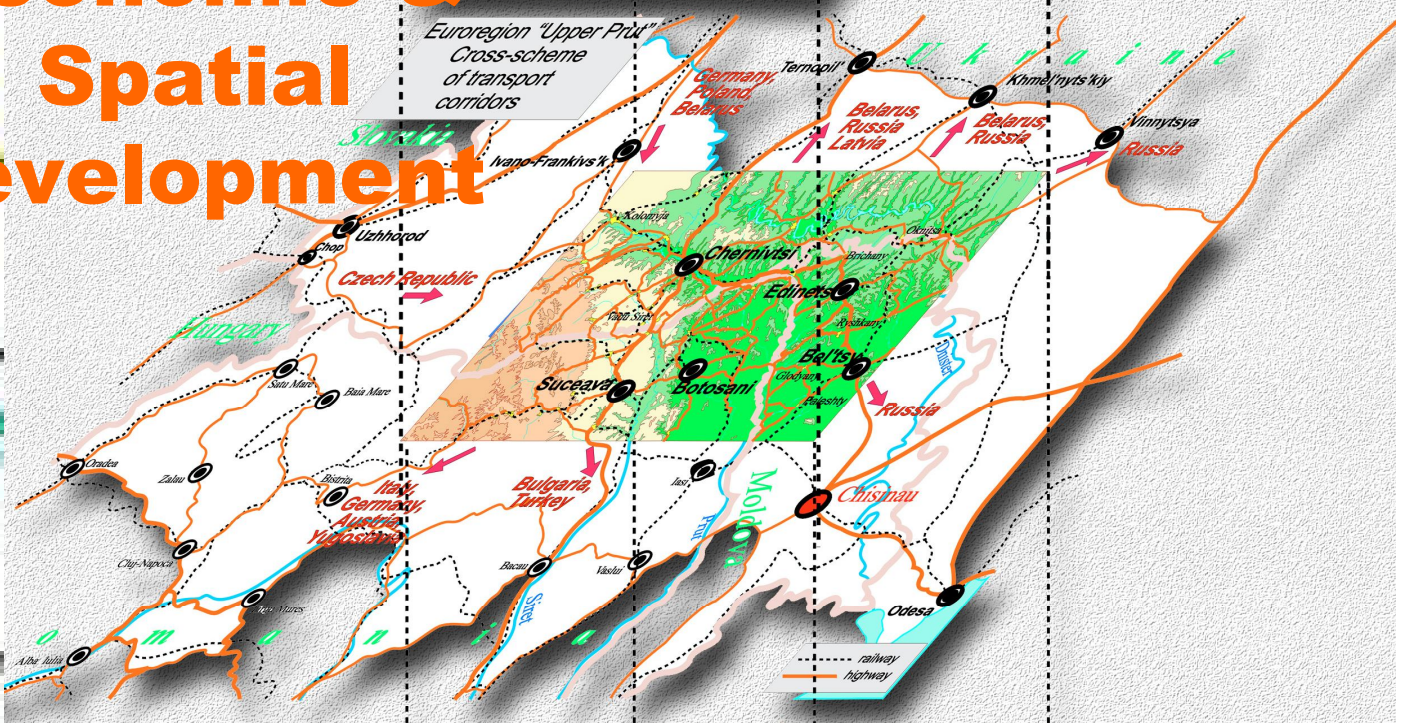
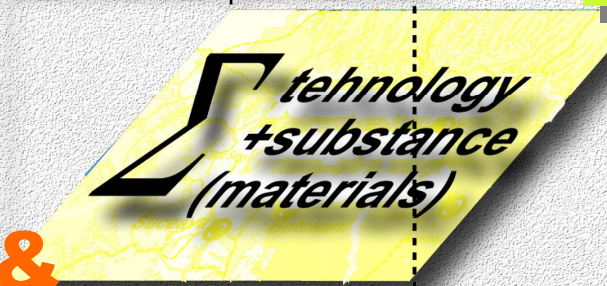
Economy

Social
Sphere

Legal Relations

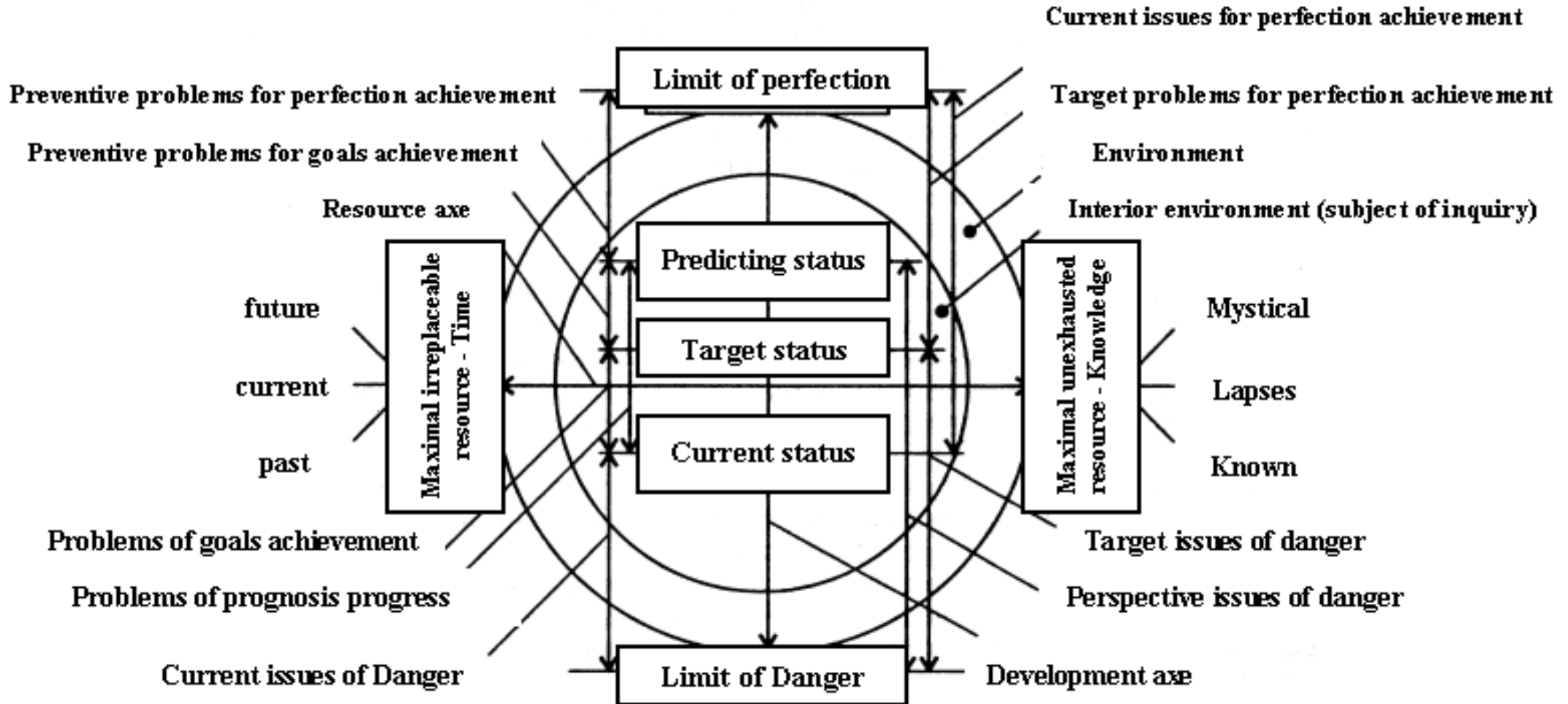


Transfrontier aim — Sustainable Regional Socio- Economic & Spatial development



INNOVATION-INVESTMENT APPROACH

Innovations Target Model



**for common priority areas of the
EU Strategy for Danube Region
and Carpathian Convention**



КАБІНЕТ МІНІСТРІВ УКРАЇНИ

РОЗПОРЯДЖЕННЯ

від 14 лютого 2002 р № 59-р

Київ

Деякі питання розвитку транскордонного співробітництва в межах євро регіону "Верхній Прут"

reflected in the pilot Euroregion "Upper Prut"

1. Підтримати пропозицію Ради євро регіону "Верхній Прут" щодо **experimental elaboration of transfrontier co-operation mechanisms as the elements of the process of European integration and development of the regional policy within the frames of the above-mentioned Euroregion.**

2. МЗС разом з Мінекономіки провести переговори з Румунською та Молдовською Сторонами щодо визначення статусу євро регіону "Верхній Прут" і експериментального опрацювання в його межах механізмів транскордонного співробітництва та внести до Кабінету Міністрів України узгоджені пропозиції.

3. Чернівецькій облдержадміністрації разом з Мінекономіки та іншими центральними органами виконавчої влади опрацювати та подати у тримісячний термін Кабінетові Міністрів України проект регіональної програми транскордонного співробітництва у межах євро регіону "Верхній Прут".



Міністр України

A. KIHAX



Guvernul Republicii Moldova

GUVERNUL REPUBLICII MOLDOVA

HOTĂRÎRE nr. 264

din 11 martie 2003

Chişinău

Privind dezvoltarea colaborării transfrontaliere în cadrul euroregiunilor

HOTĂRĂŞTE:

aprobă, conform anexei, componenţa nominală a Comisiei pentru dezvoltarea colaborării transfrontaliere în cadrul euroregiunilor.

se statuează că sarcinile principale ale comisiei sînt:

instituirea mecanismelor de colaborare transfrontaliere în cadrul euroregiunilor ca elemente principale ale procesului de integrare europeană;

crearea unui sistem de transpunere în realitate a convenţiilor, acordurilor (tratatelor), la care Republica Moldova a aderat în cadrul forumurilor organizaţiilor mondiale şi regionale, şi a deciziilor aprobate de consiliile euroregiunilor;

crearea unei structuri pentru intensificarea cooperării transfrontaliere în diverse domenii între unităţile administrativ-teritoriale ale Republicii Moldova, României şi Ucrainei;

încurajarea cooperării prin promovarea diverselor forme de colaborare transfrontaliere;



РІШЕННЯ № 8/2000
РАДИ ЄВРОРЕГІОНУ «ВЕРХНІЙ ПРУТ»
«Про пріоритетні сфери економічної та соціальної діяльності в Єврорегіоні «Верхній Прут».

м. Єдинець 30 листопада 2000 р.

У відповідності до статей 5 і 6 Угоди про створення Єврорегіону «Верхній Прут»

1. Рада Єврорегіону затверджує наступний перелік пріоритетних сфер економічної та соціальної взаємопов'язаної діяльності в Єврорегіоні:

- розвиток транспортно-комунікаційної інфраструктури на рівнях трансєвропейських коридорів та місцевих сполучень;
- розвиток енергетичної інфраструктури на рівнях взаємодії державних мереж та локалізованих джерел енергії;
- вдосконалення водокористування та водоканалізаційних систем;
- дієкористування та розвиток лісової і деревообробної промисловості, агропромислового комплексу і легкої промисловості;
- розвиток транскордонної торгівлі на місцевому рівні та збільшення транзитної торгівельної діяльності;
- розвиток сучасних видів транскордонного туризму;
- охорона здоров'я населення і рекреаційна діяльність в Єврорегіоні;
- спільна розбудова системи освіти, наукового і культурного співробітництва в Єврорегіоні.

HOTARAREA Nr. 8/2000
A CONSILIULUI EUROREGIUNII
«PRUTUL DE SUS »

«Cu privire la domeniile prioritare ale activității economice și sociale a Euroregiunii «Prutul de Sus»

Municipiul. Edineț 30 noiembrie 2000

În conformitate cu articolele 5 și 6 ale Acordului privind crearea Euroregiunii "Prutul de Sus"

1. Consiliul Euroregiunii aprobă următoarele domenii prioritare de activitate economică și socială reciprocă în cadrul Euroregiunii:

- dezvoltarea infrastructurii de transport și comunicații la nivelul coridoarelor transeuropene și comunicațiilor locale;
- dezvoltarea infrastructurii energetice la nivelul interacțiunii rețelilor de stat și surselor de energie localizate;
- perfecționarea consumului de apă și a sistemelor de canalizare;
- exploatarea pădurilor și dezvoltarea industriei forestiere și de prelucrare a lemnului, a complexului agroindustrial și industriei ușoare;
- dezvoltarea comerțului transfrontalier la nivel local și mărirea volumului activității comerciale de tranzit;
- dezvoltarea tipurilor moderne de turism transfrontalier;
- protecția sănătății populației și activitatea recreativă în cadrul Euroregiunii;
- edificarea în comun a sistemului de învățământ, de colaborare științifică și culturală în cadrul Euroregiunii.

DECISION № 8/2000
OF THE COUNCIL OF EUROREGION
«UPPER PRUT »
«On the priority spheres for the Social & Economical activities in Euroregion «Upper Prut»

city Edinets November 30, 2000

Accordingly to the Articles 5 and 6 of the Agreement regarding the setting up of the Euroregion «Upper Prut»

1. Council of the Euroregion adopts the follows list of priority spheres for the linked Economical & Social activities in the Euroregion

- development of transport & communications infrastructure on the levels of Trans-European corridors and local traffic;
- development of energetic infrastructure on the levels of state systems and local sources;
- update of the water supply and canalisation systems;
- forestry and development of the timber and wood-working industries, agro-industrial complex and light industry;
- development of transfrontier trading on the local level and transit trading activity build-up;
- development of the modern categories of cross-border tourism;
- population health protection and recreational activity in Euroregion;
- joint development of the system for education, scientific & cultural collaboration in Euroregion.

2. В якості основних механізмів взаємодії у вищезначених сферах діяльності в Євро регіоні, що мають реалізовуватися через спільні проекти і програми з врахуванням особливостей статусу депресивних регіонів Рада Євро регіону визначає:

2. Consiliul Euroregiunii stabilește următoarele mecanisme principale de colaborare în aceste domenii de activitate în cadrul Euroregiunii, care urmează să fie realizate prin proiecte și programe comune, avându-se în vedere particularitățile statutului regiunilor defavorizate:

2. As the main mechanisms for interaction in the aforesaid areas of activity in the Euroregion, which should be realised through the common projects & programs, taking into account the particular status of depressive regions, Council of the Euroregion defines:

- providing of the Sustainable Development for the territories – components of the Euroregion and in the transfrontier basins by means of more rational usage of the Resources, implementation of the Technogenic & Environmental Safety modern facility as well as establishment of the Regional Cleaner Production Centre;

зв'язків між впливовими політичними організаціями в Євро регіоні;
налагодження взаємодії між ЗМІ членів Євро регіону для забезпечення поінформованості населення і широкої підтримки ним діяльності Євро регіону.

stabilirea unor legături reciproce între organizațiile politice influente din cadrul Euroregiunii;
stabilirea unor legături reciproce între mijloacele de informare publică ale membrilor Euroregiunii pentru asigurarea informării populației și

management of mass-media and family connections between authoritative political organisations in the Euroregion;
• tune of collaboration between mass-media of Euroregion members to provide the interest of population and their broad support for Euroregion activity.

EcoEuroRegion (Prut basin)

Scheme for Technogenic-Environmental Safety



Population Areas



State Borders



Enterprises



Environmental Impacts



Anthropogenic and Natural Disasters



Underground Water



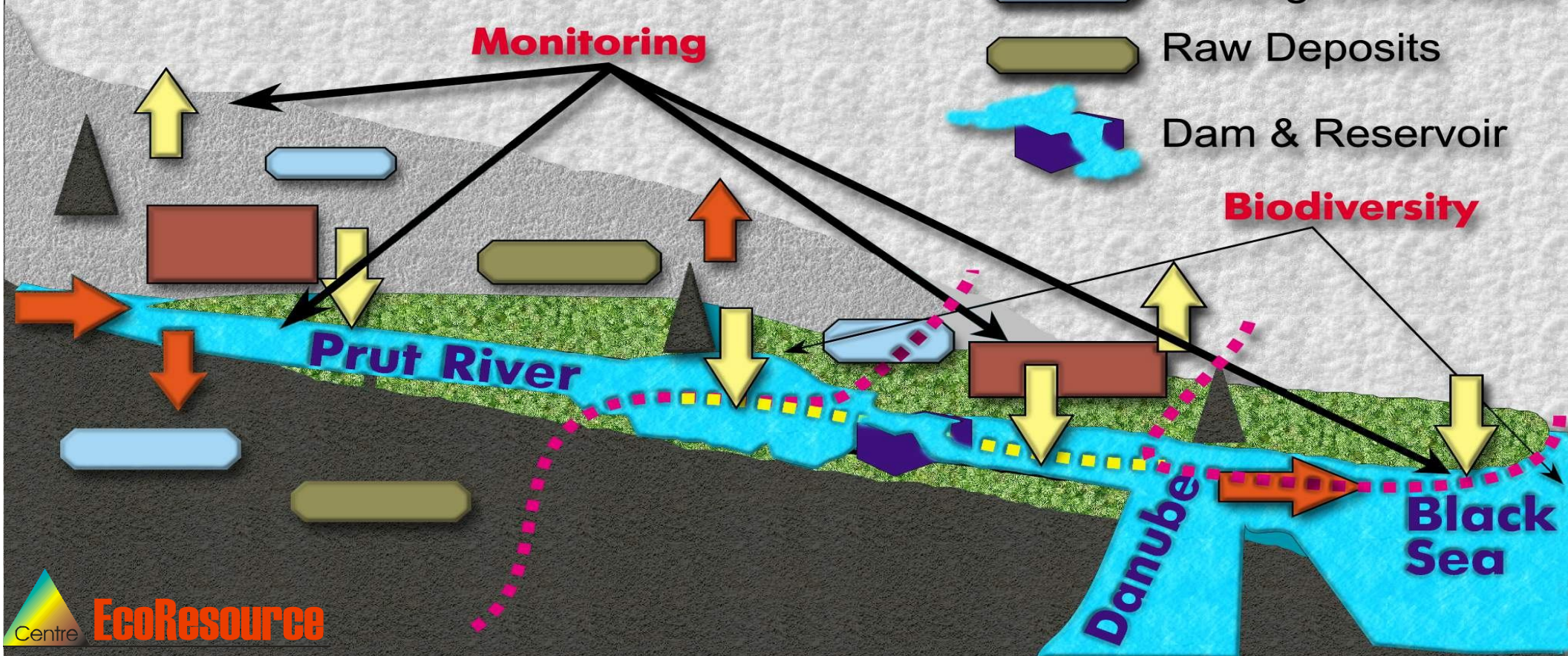
Raw Deposits



Dam & Reservoir

Monitoring

Biodiversity



Euroregion «Upper Prut»



EcoEuroRegion

Technogenic & Environmental
Safety for border rivers basins



Declaration on Environment and Sustainable Development in the Carpathian and Danube Region

- Bucharest, 30 April 2001 -

We, Heads of State and High Representatives of the States participating in the Summit on Environment and Sustainable Development in the Carpathian and Danube Region* ,

Bearing in mind the Stockholm Declaration of the United Nations Conference on Human Environment of 1972 and the Rio Declaration of the United Nations Conference on Environment and Development of 1992;

Reaffirming the importance of the implementation of the political and legal commitments undertaken by the international community following those and subsequent conferences, especially at the Pan-European level;

Being aware that the 10-year review and evaluation of the Rio Declaration commitments and the implementation of Agenda 21 to be conducted at the World Summit on Sustainable Development in Johannesburg in 2002 will provide a momentous opportunity for further action to strengthen international co-operation towards coping with the challenges of sustainable development in the twenty-first century;

Being convinced that renewed efforts are required toward that goal on the part of all Carpathian and Danubian countries in a spirit of regional solidarity;

Upholding the principle of common, yet differentiated responsibility, to manage the environment and natural resources so as to promote sustainable development to the benefit of present and future generations;

Acknowledging that the Carpathian region is a natural treasure of great beauty and ecological value, a reservoir of biodiversity, the headwaters of major rivers and Europe's largest area of virgin forest;

Acknowledging also the special economic and social importance of the Danube River and its tributaries as a major European river with multiple uses and functions, as well as its ecological significance and its value as a natural habitat for numerous wildlife species;

Recognizing that a world wide scientific assessment of biodiversity by World Wide Fund for Nature identified the Carpathian Mountains and the Danube Delta as two of the world's most important ecoregions with a representative selection of the world's most outstanding and distinctive biological resources;

Being aware of the fact that efforts to protect, maintain, and sustainably manage the natural resources of the Carpathian Mountains and the Danube River Basin cannot be achieved by one country alone and require regional co-operation;

Emphasizing that cooperation on environment and sustainable development will assist the efforts towards stability and peace in the region;

Appreciating the efforts that have been undertaken at international, regional, national and local level to enhance co-operation and support for the maintenance and protection of the natural assets and resources;

Common roots of Carpathian Convention & the EU Danube Strategy

The World Bank

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT
INTERNATIONAL DEVELOPMENT ASSOCIATION
REGIONAL OFFICE FOR UKRAINE, BELARUS AND MOLDOVA

2 Lysenka Str.
Kyiv 01034
Ukraine

(380-44) 490-6671
(380-44) 490-6672
(380-44) 490-6673

April 22, 2003

*Re: Commission of the Cabinet of Ministers of Ukraine No. 2549
dated March 13th, 2003 pertaining to Regional Development Pilot Project*

Thank you very much for your letter of March 26, 2003 and your valuable inputs into the dialogue between the World Bank and the Government of Ukraine on the Country Assistance Strategy (CAS) for 2004-2007: European Choice. Let me assure you that the World Bank considers the issues of regional development and reducing regional imbalances as a high priority in our future cooperation with the Government of Ukraine. At the moment, we are still in the process of identifying the most important areas of our intervention and support pertaining to balanced regional development. Your comments **will be used in our further consultations with the Government.**

I was very much impressed with a comprehensive list of pilot projects on the basis of Chernivtsi Oblast and “Verkhniy Prut” Euroregion and consider them as a good start for promoting integration of Ukraine into European infrastructure networks and promoting trans-boundary cooperation. The World Bank will be working on the issues of regional development under the new CAS, and once we identify the areas for our cooperation with the Ukrainian Government in more detail, we would be happy to further discuss your proposals.

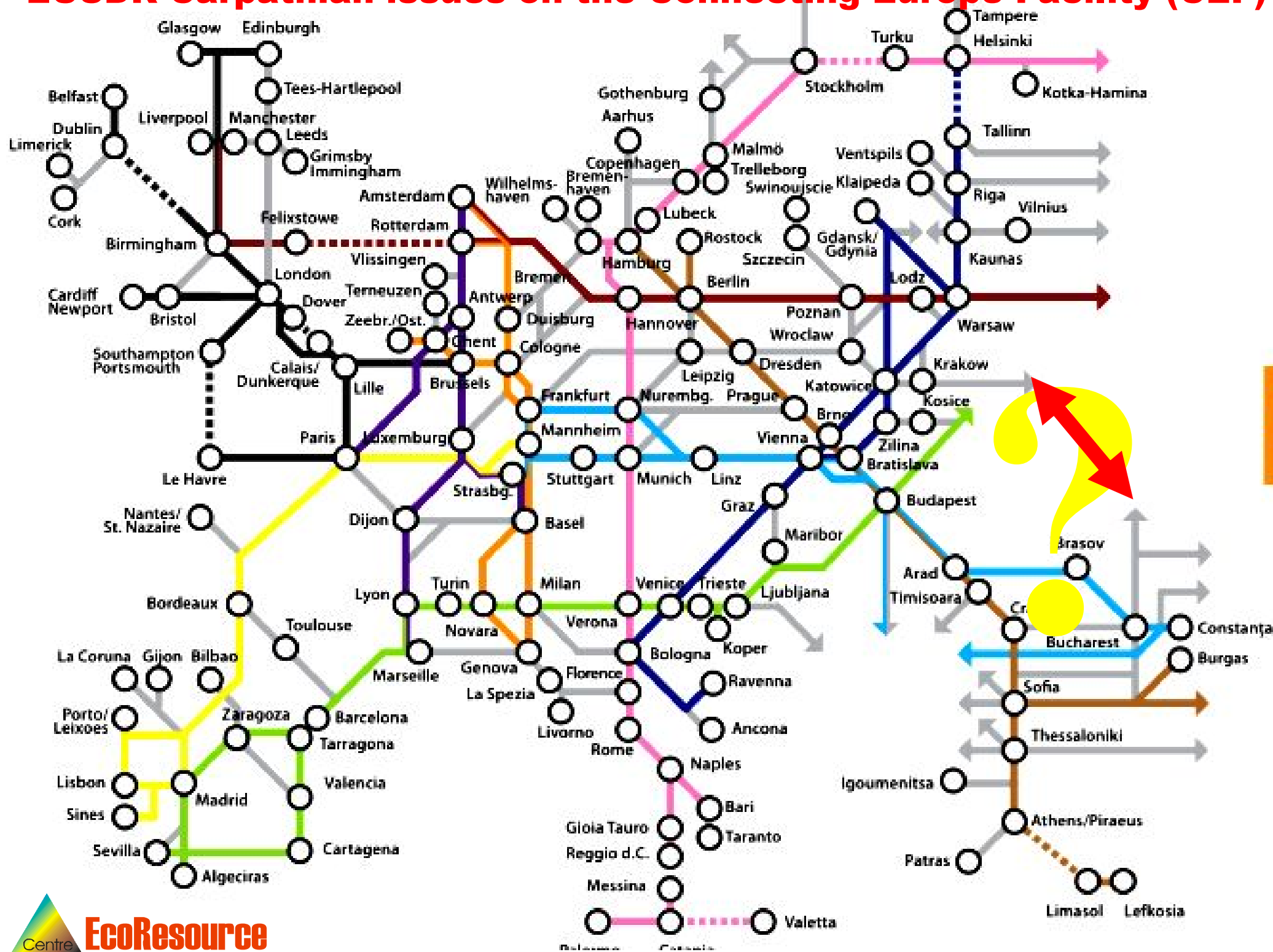
Sincerely,



Luca Barbone
Director

Ukraine, Belarus and Moldova
Europe and Central Asia

EUSR-Carpathian issues on the Connecting Europe Facility (CEF)



REGULATION (EU) No 1316/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 11 December 2013

establishing the Connecting Europe Facility, amending Regulation (EU) No 913/2010 and repealing
Regulations (EC) No 680/2007 and (EC) No 67/2010

**New background for EUSDR Pillar I &
Carpathian Convention**

http://ec.europa.eu/transport/themes/infrastructure/revision-t_en.htm

- (66) **what is totally conform to the** *(legislative acts)* Some of the infrastructure projects of common interest might need to link with and pass through neighbourhood, pre-accession and other third countries. The CEF should offer simplified means of linking and financing those infrastructures, in order to ensure coherence between internal and external instruments of the Union budget.

Carpathian Convention

Article 5 - Spatial planning

3. In developing spatial planning policies and programmes, particular attention should, inter alia, be paid to:

(a) transboundary transport, energy and telecommunications infrastructure and services,

FIGURE 2: EUROPEAN LOGISTICS LOCATIONS AND CLUSTERS



- 1 Amsterdam
- 2 Rotterdam
- 3 Antwerpen
- 4 Lille
- 5 Brussels
- 6 Cologne
- 7 Düsseldorf
- 8 Dortmund

using clustering experience from Western Europe “Green banana”

Back to Railways from Roads Traffic

Table A6.2 Modal split of freight transport (% in total inland freight tkm) – excluding pipelines

and nowadays transporting trends

	Road (%)				Rail (%)				Sea (%)			
	1995	2000	2005	2010	1995	2000	2005	2010	1995	2000	2005	2010
Austria	63.5	64.8	64.1	56.3	31.6	30.6	32.8	39.0	4.9	4.5	3.0	4.7
Belgium	77.8	77.4	72.4	70.7	12.5	11.6	13.4	12.7	9.8	10.9	14.1	16.6
Bulgaria	36.3	52.3	70.8	68.1	60.0	45.2	25.4	10.7	3.7	2.6	3.7	21.2
Cyprus	100.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Czechia	57.8	68.0	74.4	79.0	41.7	31.9	25.5	21.0	0.5	0.2	0.1	0.1
Denmark	91.9	92.2	92.2	87.0	8.1	7.8	7.8	13.0	0.0	0.0	0.0	0.0
Estonia	28.7	32.7	35.4	45.8	71.3	67.3	64.6	54.2	0.0	0.0	0.0	0.0
Finland	71.7	75.8	76.5	75.0	28.1	24.0	23.3	24.8	0.2	0.3	0.2	0.2
France	76.4	75.3	80.5	82.2	20.7	21.3	16.0	13.5	2.8	3.4	3.5	4.3
Germany	63.9	65.3	66.0	64.9	18.9	19.2	20.3	22.2	17.2	15.5	13.6	12.9
Greece	98.8	98.5	98.1	98.0	1.2	1.5	1.9	2.0	0.0	0.0	0.0	0.0
Hungary	58.9	66.4	69.2	75.1	35.9	30.5	25.0	19.6	5.2	3.1	5.8	5.3
Iceland	100.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ireland	90.1	96.2	98.3	99.2	9.9	3.8	1.7	0.8	0.0	0.0	0.0	0.0
Italy	88.9	88.9	90.3	90.4	11.1	11.0	9.7	9.6	0.1	0.1	0.0	0.1
Latvia	15.8	26.5	29.8	38.1	84.2	73.5	70.2	61.9	0.0	0.0	0.0	0.0
Lithuania	41.9	46.6	56.1	59.1	58.0	53.4	43.9	40.9	0.1	0.0	0.0	0.0
Luxembourg	86.4	88.3	92.3	94.1	8.3	7.3	4.1	2.1	5.3	4.4	3.6	3.9
Malta	100.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Netherlands	63.5	63.5	63.6	62.3	2.9	3.6	4.4	4.8	33.6	32.9	31.9	32.9
Norway	78.2	83.5	85.3	85.0	21.8	16.5	14.7	15.0	0.0	0.0	0.0	0.0
Poland	42.6	57.6	69.0	81.2	56.7	41.5	30.8	18.8	0.7	0.9	0.2	0.1
Portugal	94.1	94.7	94.6	93.9	5.9	5.3	5.4	6.1	0.0	0.0	0.0	0.0
Romania	48.4	42.9	67.3	49.2	44.0	49.1	21.7	23.5	7.6	7.9	11.0	27.2
Slovakia	51.0	53.2	68.9	74.8	44.3	41.7	28.9	22.0	4.7	5.1	2.3	3.2
Slovenia	51.8	65.0	77.3	82.3	48.2	35.0	22.7	17.7	0.0	0.0	0.0	0.0
Spain	90.3	92.8	95.2	95.8	9.7	7.2	4.8	4.2	0.0	0.0	0.0	0.0
Sweden	62.0	64.7	64.0	60.7	38.0	35.3	36.0	39.3	0.0	0.0	0.0	0.0
Switzerland	50.6	46.8	46.0	54.4	49.2	53.0	53.8	45.5	0.3	0.2	0.2	0.2
Turkey	93.0	94.3	94.8	94.4	7.0	5.7	5.2	5.6	0.0	0.0	0.0	0.0
United Kingdom	92.3	90.0	87.8	88.7	7.6	9.8	12.1	11.2	0.1	0.1	0.1	0.1

Source: Eurostat, 2012b.

back to Railways from Roads Traffic