TECHNOLOGICAL DYNAMIC SYNERGY WITH CLIMATE CHANGE IN CARPATHIAN AREA OF EU MACROREGIONAL STRATEGIES

Dr. Zinoviy Broyde  zinoviy.broyde@gmail.com  +38-050-5128698
Overlapping of EU macroregional Danube & Baltic Strategies, Neighbourhood Facility and Carpathian Convention area

EUSBSR + EUSDR

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/)

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

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

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

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

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

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

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

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

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

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

CONFORMITY

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

Natural Objects, including Mankind

Classic Ecology

RESOURCES

Productions

Services

Consumption

Noosphere

Human activity

Industrial metabolism

Solid, Liquid, Gaseous, Radiation & Energy Wastes
CLIMATE CHANGE IMPACT:

DIRECT:
- Temperature of Air, Water, Soils
- Full Water Circulation Cycle

INDIRECT:
- Human Health
- Resources Quality & Quantity

PERCEPTION STAGES:
- Neglecting
- Prevention (Kiotto)
- Mitigation
- Adaptation
- Dynamic Technologic Synergy
  e.g. for Energy Cycle: Sources, Production, Transport, Utilisation, Saving

BALANCING
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
reflected in the pilot Euroregion “Upper Prut”

1. The 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. The purpose of the work is to support the proposal of the Euroregion “Upper Prut”, by which the elements of the process of European integration and development of the regional policy within the frames of the above-mentioned Euroregion.

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РІШЕННЯ № 8/2000
РАДІ ЄВРОРЕГІОНУ «ВЕРХНІЙ ПРУТ»
«Про приоритетні 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 приоритетних сфер економічної та соціальної взаємодії в Єврорегіоні:
   - розвиток транспортно-комунікаційної інфраструктури на рівні транс-Європейських коридорів та місцевих сполучень;
   - розвиток енергетичної інфраструктури на рівні взаємодії державних мереж та локалізованих джерел енергії;
   - відсонення водокористування та водоканалізаційних систем;
   - дискоординація та розвиток лісової та деревообробної промисловості, агропромислової комплексу і легкої промисловості;
   - розвиток транскордонної торгівлі на місцевому рівні та забезпечення 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.
2. 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.

- arrangement of transborder incentive 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
Environmental Impacts

State Borders

Enterprises
Anthropogenic and Natural Disasters

Underground Water
Raw Deposits
Dam & Reservoir

Biodiversity

Prut River

Danube
Black Sea

Monitoring
Common roots of Carpathian Convention & the EU Danube Strategy

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*,
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;
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
FOR EACH
PRIORITY AREA
EUSDR-Carpathian issues on the Connecting Europe Facility (CEF)
New background for EUSDR Pillar I & Carpathian Convention
common embodiment
what is totally conform to the

Some of the infrastructure projects of common interest
might need to link with and pass through neighbour,
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,
using clustering experience from Western Europe “Green banana”
Table A6.2 Modal split of freight transport (% in total inland freight tkm) — excluding pipelines

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Source: Eurostat, 2012b.