

Priority axis 3 – Cooperating on natural and cultural resources for sustainable growth in Central Europe

SO 3.1. – *To improve integrated Environmental management capacities for the protection and sustainable use of natural heritage and resources*

SO 3.3. – *To improve Environmental management of functional urban areas to make them more liveable places*

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Basic principles of international cooperation within program Interreg Central Europe

- **Applied Research oriented**
- **Real outcomes and implementation**
- **Should be linked to EU Environmental politics and existing documents**
- **Proposals shall be complementary to what was reached – not repeating already existing/prior projects**
- **Existing results shall be ideally used and expanded**
- **International cooperation – Exchange of knowledge, sharing, win-win strategies for general profit**

SO 3.1. – *To improve integrated environmental management capacities for the protection and sustainable use of natural heritage and resources*

Rural areas, Landscape

Examples only – time is limited, my specialization – Water, Soil, Landscape engineering

Policy Framework

EU standards, politics, documents, requirements

- **EU Water Framework Directive (WFD) (2000/60/ES)** – good status of Water bodies, Water quality, river morphology restoration
- **EU Soil Framework Directive (2004/35/ES)** – Soil conservation, Organic carbon, Fertility, Soil erosion control
- **EU Flood directive (2007/60/ES)** – Flood control, Retention, Waring systems
- **EU Drinking Water Directive (98/83/ES)** – Drinking water availability, Drinking Water quality, resources control
- **Cross compliance systems (GAEC – Good Agricultural and Environmental Conditions)** – soil quality and fertility conservation
- *And many others....*

Challenges – (what can we do ?)

- **Harmonization of EU vs. national policies and subsidy systems (positive x negative)**
- **Harmonization and synergic effects identification – inconsistent and incoherent EU and national legislation and interests**
- **Definition of Environmental/ecological limits – to be implemented into technical standards**
- **Providing retention capacity – combined approach to Floods and Droughts**
- **Optimization of land management to reach good Water quality, improve retention capacity**
- **Sustainable agricultural management linked to Water resources conservation**

SO 3.3. – *To improve environmental management of functional urban areas to make them more liveable places*

Urbanized areas – functional - cities

Examples only – time is limited, my specialization – Water, Soil, Landscape engineering

Policy Framework

- **Air Quality Directive (2008/50/EC)** – air quality improvement and conservation
- **Environment Action Programme to 2020 (EAP)** – environments improvements in long term horizons
- **EU 2020 Strategy** – complementarity of economy and ecology
- **EU 2030 Agenda for Sustainable Development** – sustainable development with sustainable economy
- *Overall – less documents*

Challenges – (what can we do ?)

- **Urbanization x Suburbanization (Urban sprawl) vs. Water management, Soil conservation, Landscape stability**
- **Effective rainwater management – increasing retention capacity and reducing runoff**
- **Bringing open water into cities (recreation, leisure, education)**
- **Effective use of water cycle in urban areas for climate control**
- **Optimization of land-use to anticipate land-use conflicts**
- **GIS and remote sensing methods to identify and manage hot spots in land-use conflicts, water management,**

Added value of transnational cooperation – generally – for all Special Objectives (SO)

- **Sharing existing databases of measured data (more teams, various conditions, ...)**
- **Transnational (transboundary) cooperation related to Water, Climate, ...**
- **Higher impact and easier implementation at EU (EC) level**
- **Improvement of Central European region prestige and competitive strength**
- **Transboundary processes and problems can not be seriously treated locally (on national way)**
- ***Last but not least – contacts, friendships, better understanding to neighbors, higher tolerance***

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Thank you for your patience