

Working Group on Sustainable transport, infrastructure, industry and energy

Work Plan for the development of the study on the transport network in the Carpathians

Activities of the Working Group on Sustainable transport, infrastructure, industry and energy coordinated by EURAC within the Carpathian project:

Phase I:

- Collection of data and information about the existing Carpathian transport network (road, rail, water way network and intermodal platforms) using the available public datasets/databases
- Collection of information and data about the freight and passenger traffic flow through the transport network using the available public datasets/databases
- Collection of information and data about incidentality rates and the safety standard on Carpathian transport network using the available public datasets/databases
- Collection of National Master Plans concerning scheduled investments for new infrastructures, when available
- Collection of information on accessibility standards to the environmentally sensible areas and other areas of economic and tourist interest (urban areas, industrial areas, cultural areas)

Phase II:

- On the basis of the available datasets and geographic information: elaboration of cartographic representation and electronic maps on characteristics and density of the existing Carpathian transport network, also with reference to the accessibility standards
- On the basis of the data and information collected and with reference to the cartographic representation and maps elaborated:
 - assessment of potential influence of transport on social and economic development and on territorial cohesion and identification of the main transport links that could have a relevant impact on the socio-economic development of the area, with special reference to impacts on Corridor V
 - analysis of management of traffic flows in environmentally attractive areas and in other areas of economic and tourist interest, in particular in protected areas, that will be identified (Case studies, as the “tourist railways” presented by the New Europe Railway Heritage Trust)
 - definition of the existing safety measures on Carpathian transport network

Phase III:

- On the basis of the identification of the main transport links with a relevant role for the socio-economic development of the area:
 - definition of a priority list of the strategic infrastructures for the transport network improvement including connectivity assurance for wildlife (migration corridors, eco-ducts, “green bridges”).
 - elaboration of policy guidelines for developing transport links across the Carpathians, also based on the sustainable transport policy applied in the Alps with the focus on multimodality

- Identification of, especially with reference to the experience in the Alps, existing summary guidelines and methodological tools for ensuring high level of protection of environmentally valuable areas, also by means of increase of use of public transport, new available technologies and suitable traffic management.
- Identification, according to the guidelines and methodological tools developed in the framework of this activity, of possible tools for steering the accessibility in the selected environmentally attractive areas and in other areas of economic and tourist interest on the basis of the analysis of management of traffic flows in these areas
- Identification of, especially with reference to the experience in the Alps, existing safety measures in regional Carpathian transport network, with main reference to tunnel safety standard
- Identification of possible policies, measures and instruments for introducing new systems to improve safety standards in the Carpathian road network

Phase IV:

- Elaboration of a background documentation on sustainable transport and on renewable energy in the Carpathians
- Elaboration of a first Proposal for a Transport Protocol/strategy aiming at developing a sustainable transport policy in the Carpathians based on the features of the Carpathian transport system as analyzed in Phases I and II, the measures aiming at improving the transport system and at protecting the environmentally sensitive areas proposed in phase III and with reference to the experience of the Protocol on Transport of the Alpine Convention.
- Elaboration of a proposal for a transnational renewable energy partnership in the field of transport