

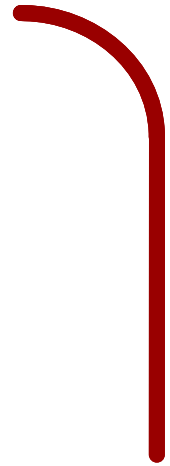


# SWOMM 2013

*“How to manage mobility policies in mountain and rural regions: overview on the Sustainability Model Decision Support System”*

SWOMM: Vienna, 11th December 2013





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University of Camerino



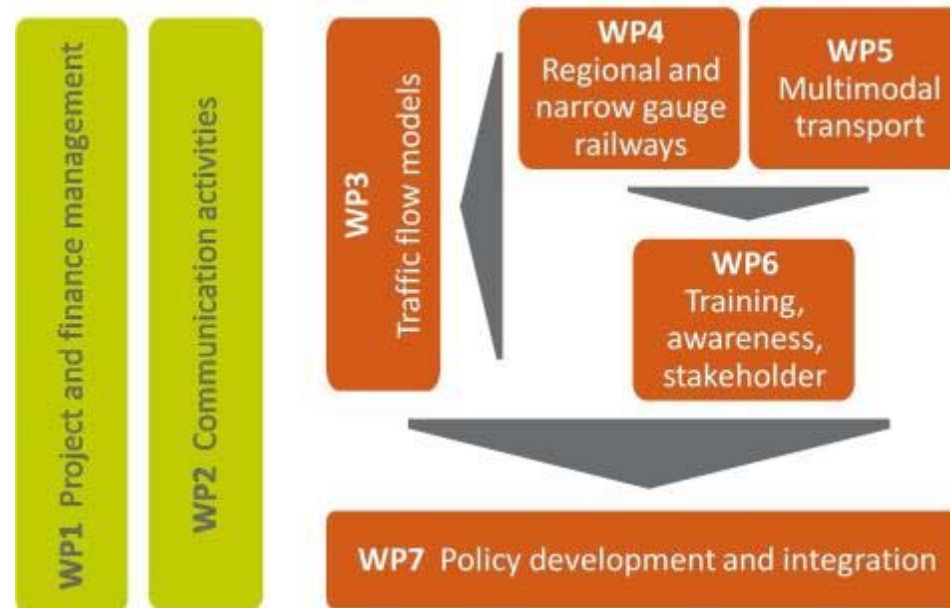
SWOMM: Vienna, 11th December 2013



## University of Camerino is the PP5 project partners and leads the WP3 on traffic flow model

The main objective of the WP3 is to identify a sustainable tourist mobility system in mountainous areas, the most fragile and delicate in terms of the landscape in the whole Alps and the Carpathians Regions.

This WP3 is closely related to others WPs and PPs

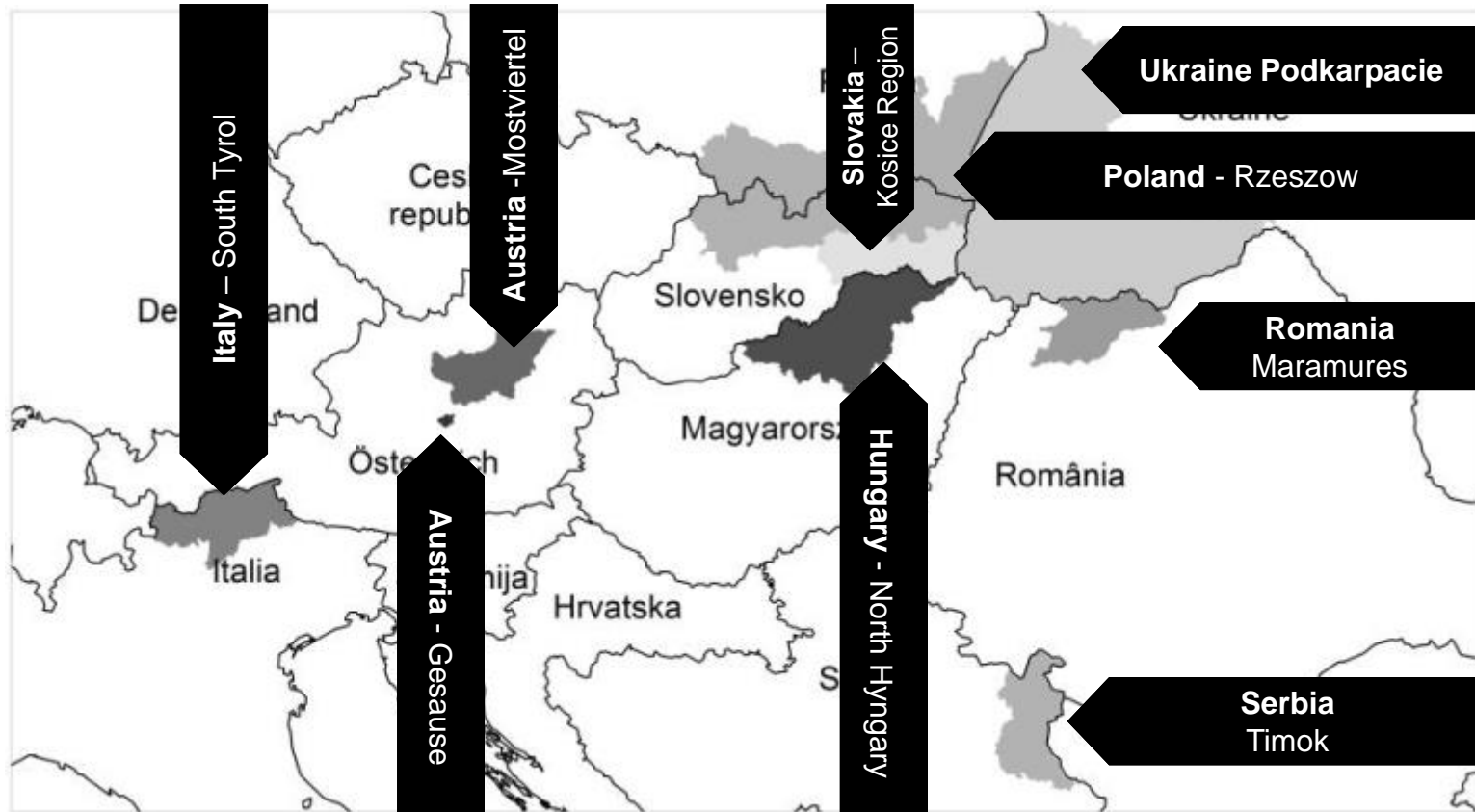


## To this end, we have developed a model of decision support system for the identification of sustainable modes of transport

The model will be tested in nine regions identified below:

- National Park Gesäuse (Austria)
- Mostviertel Region (Austria)
- Autonomous Province of South Tyrol (Italy)
- Maramures District (Romania),
- Kosice Region (Slovakia)
- Northern Hungary (Hungary)
- District of Rzeszow (Poland)
- Timok Region (Serbia)
- Western Ukraine (Ukraine)

## Maps of the model regions



## In this phase we have tested the DSS model in two region

- Maramures (Romania)
- South Tyrol (Italy)



In the second part of the presentation we highlight this model test

## The study consists in three phases



1. Analysis of the current transport system related to the landscape characteristics of the model regions



2. Evaluation of the conflict between landscape characteristics and transport modes



3. Identification of a Sustainable Model Decision Support System to support the policy maker during the decision-making process, warning against the possible risks and impacts, potential or latent

# 1. ANALYSIS OF THE CURRENT TRANSPORT SYSTEM RELATED TO THE LANDSCAPE CHARACTERISTICS OF THE MODEL REGIONS





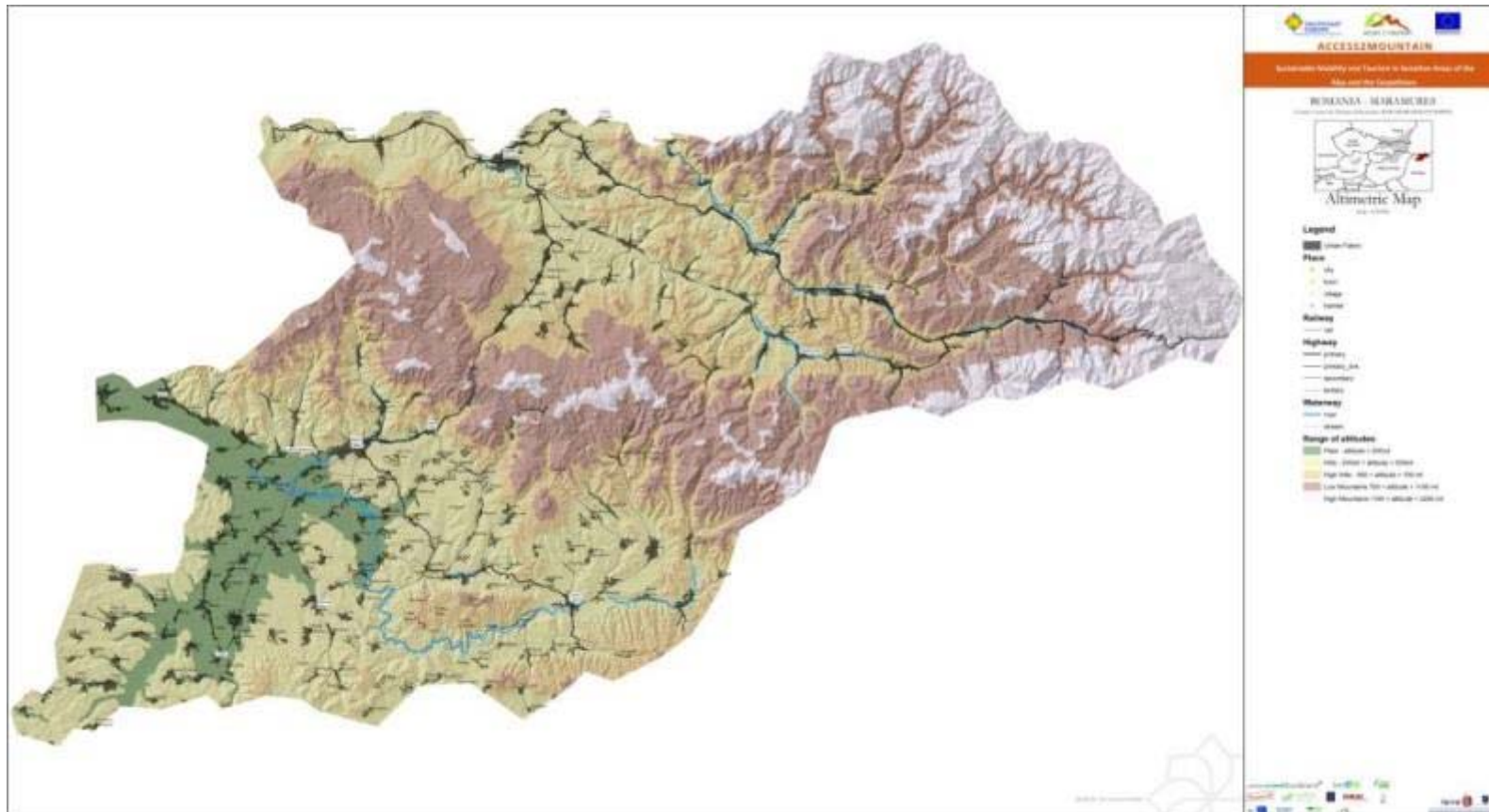
■ | Analysis of the current transport system related to the landscape characteristics of the model regions |

**In the first phases of the research** has been done a targeted request of data to each of the model regions. In addition to the information received, for the establishment of an homogeneous framework of knowledge, a deep research has been performed on the data sources available on the net and in the literature. In particular, were so elaborate some basic summaries of the current state of the different regions in territorial, socio-economic, ecological terms.



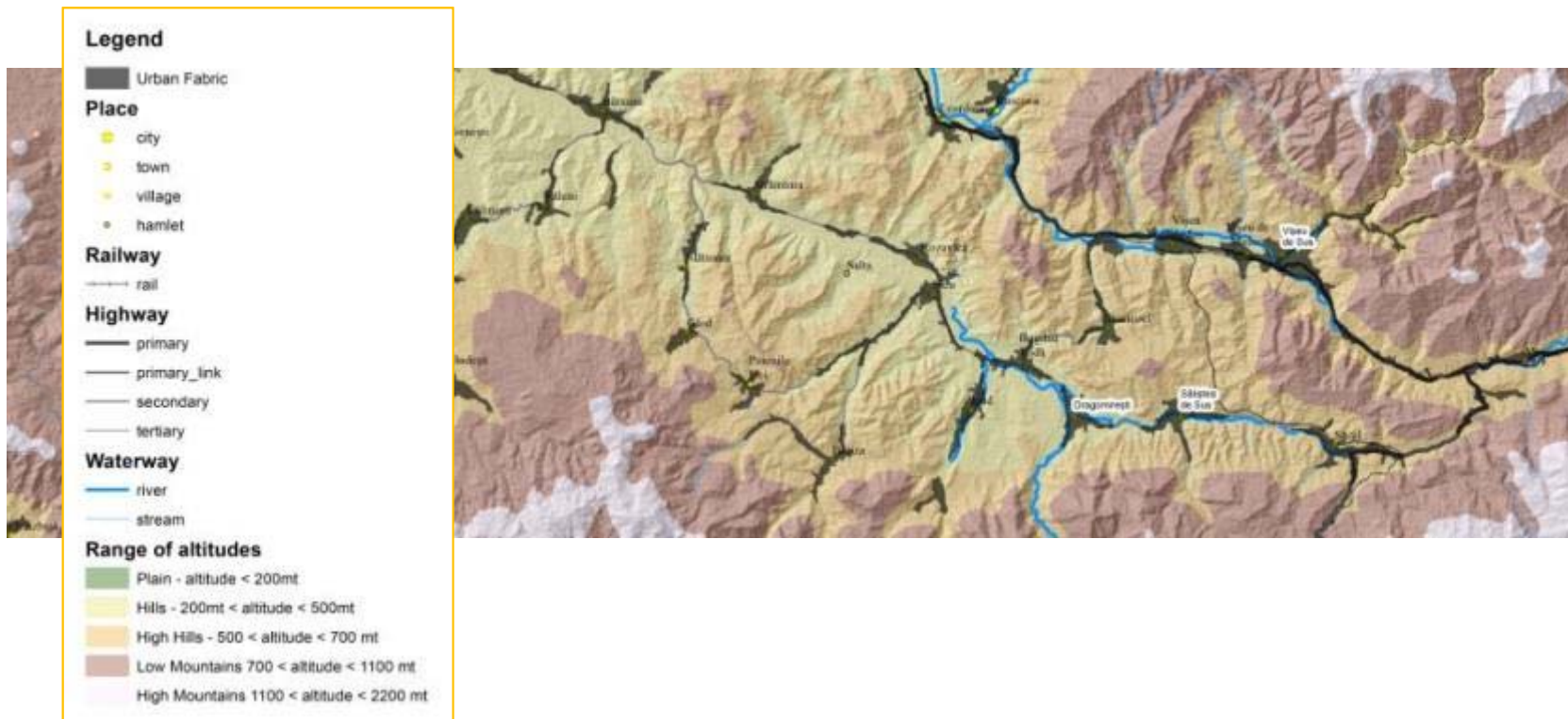
| Analysis of the current transport system related to the landscape characteristics of the model regions |

## Maramures (Romania) | Territorial framework – Elevation analysis | 1

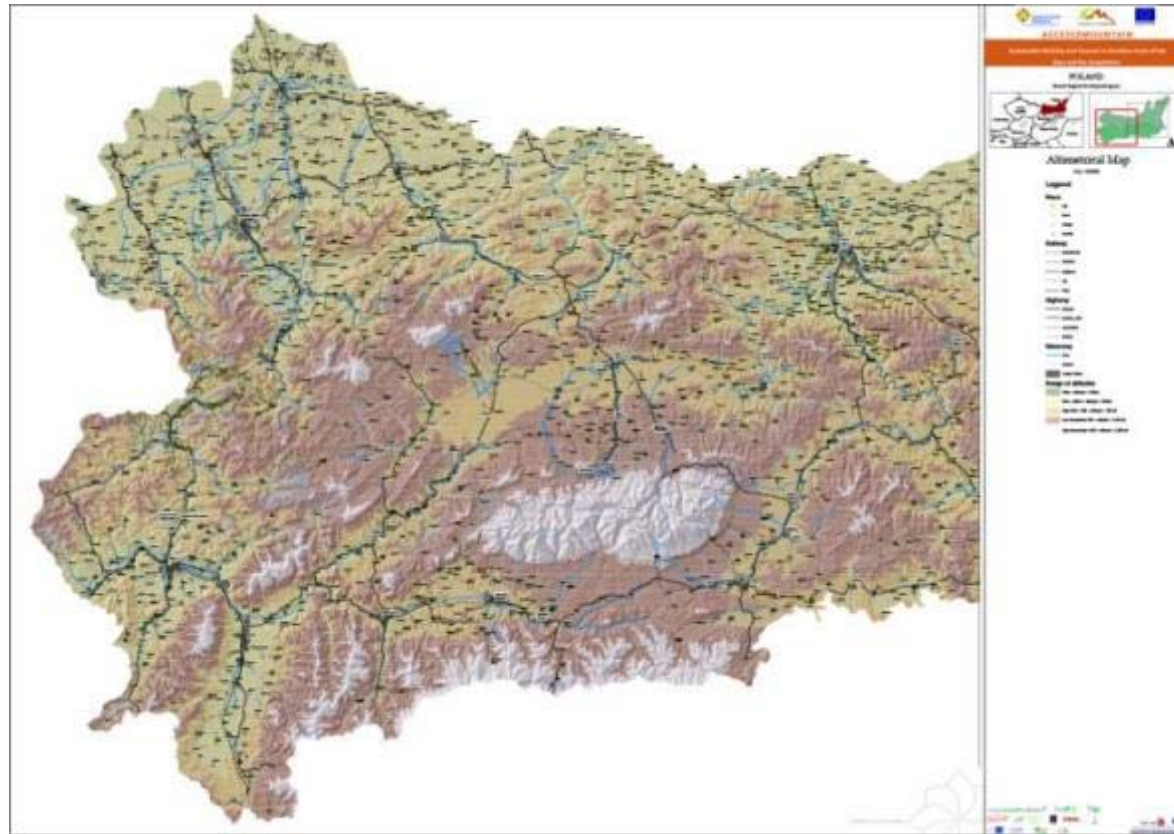


| Analysis of the current transport system related to the landscape characteristics of the model regions |

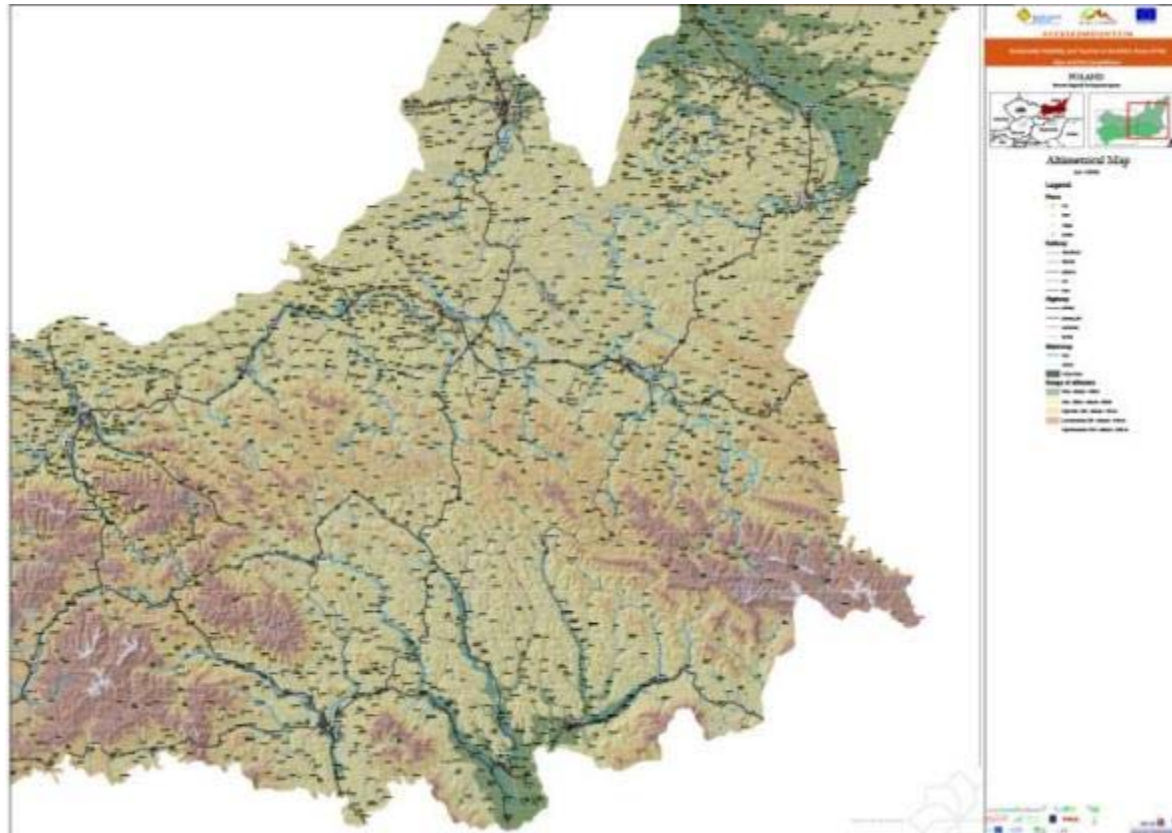
## Maramures (Romania) | Territorial framework – Elevation analysis | 2



| Analysis of the current transport system related to the landscape characteristics of the model regions |  
**Rzeszów (Poland) 1** | Territorial framework – Elevation analysis |



| Analysis of the current transport system related to the landscape characteristics of the model regions |  
**Rzeszów (Poland) 2** | Territorial framework – Elevation analysis |



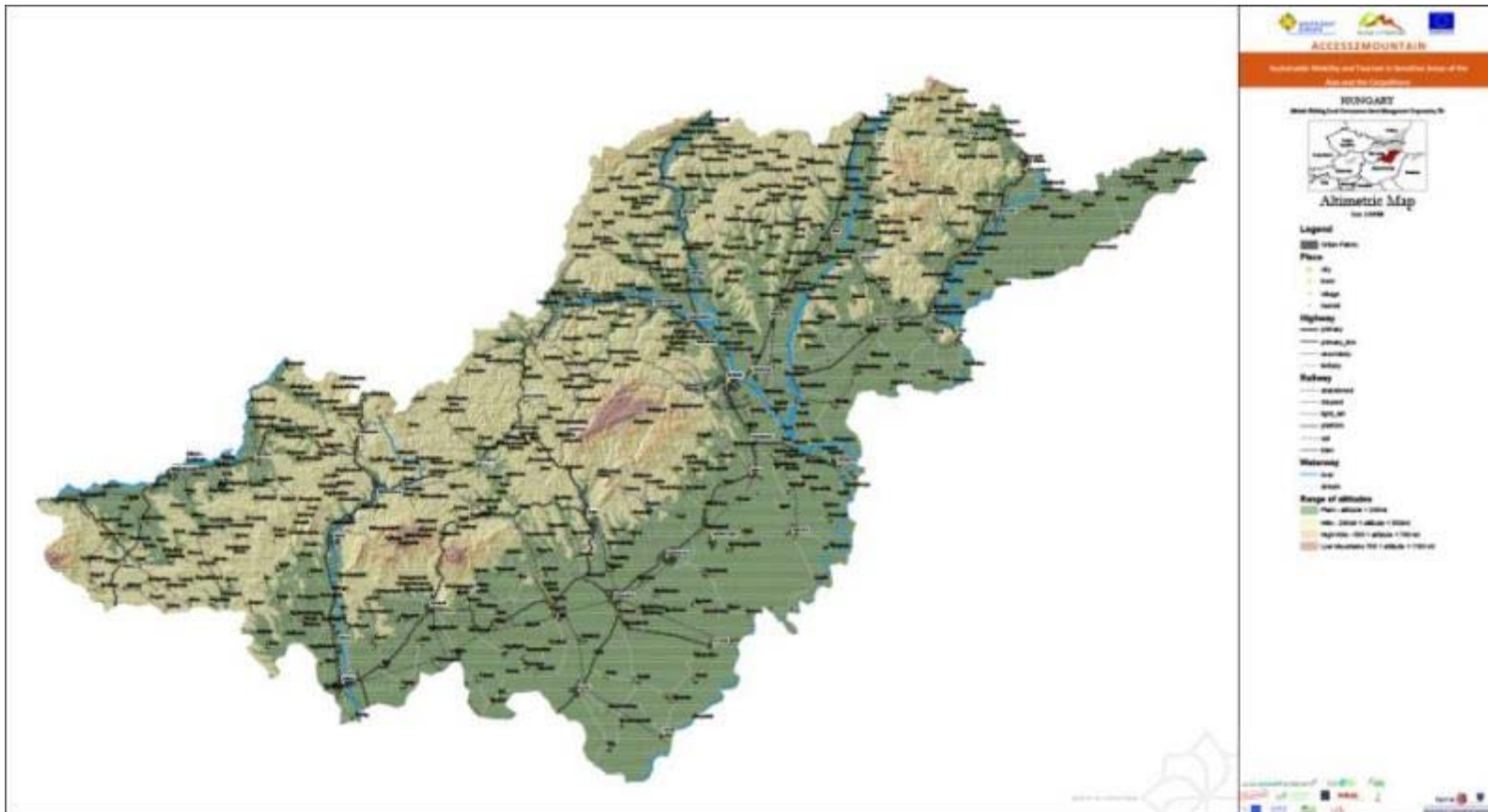
| Analysis of the current transport system related to the landscape characteristics of the model regions |

## Kosice Region (Slovakia) | Territorial framework – Elevation analysis |



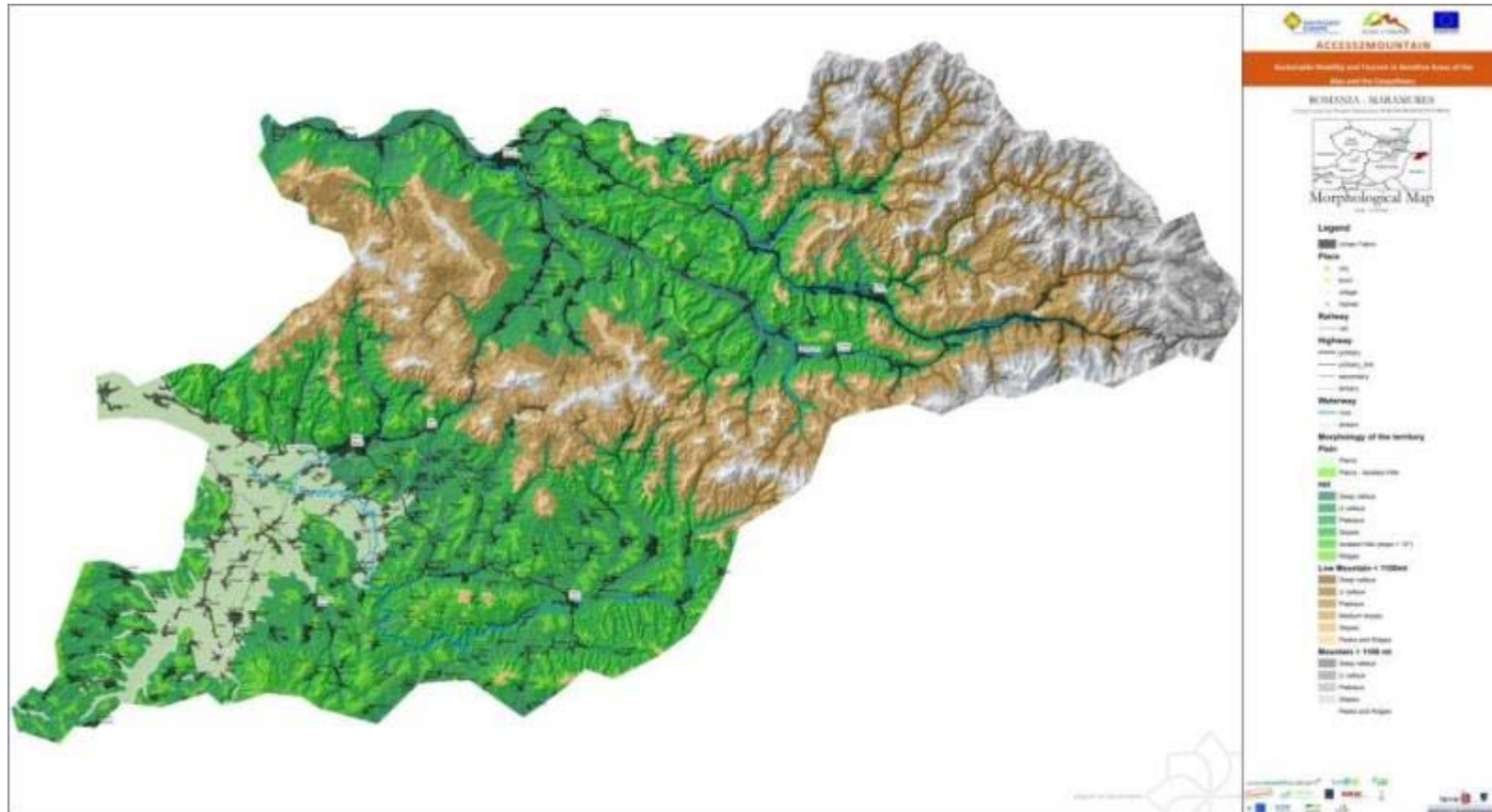
■ | Analysis of the current transport system related to the landscape characteristics of the model regions |

## Northern Hungary (Hungary) | Territorial framework – Elevation analysis |



| Analysis of the current transport system related to the landscape characteristics of the model regions |

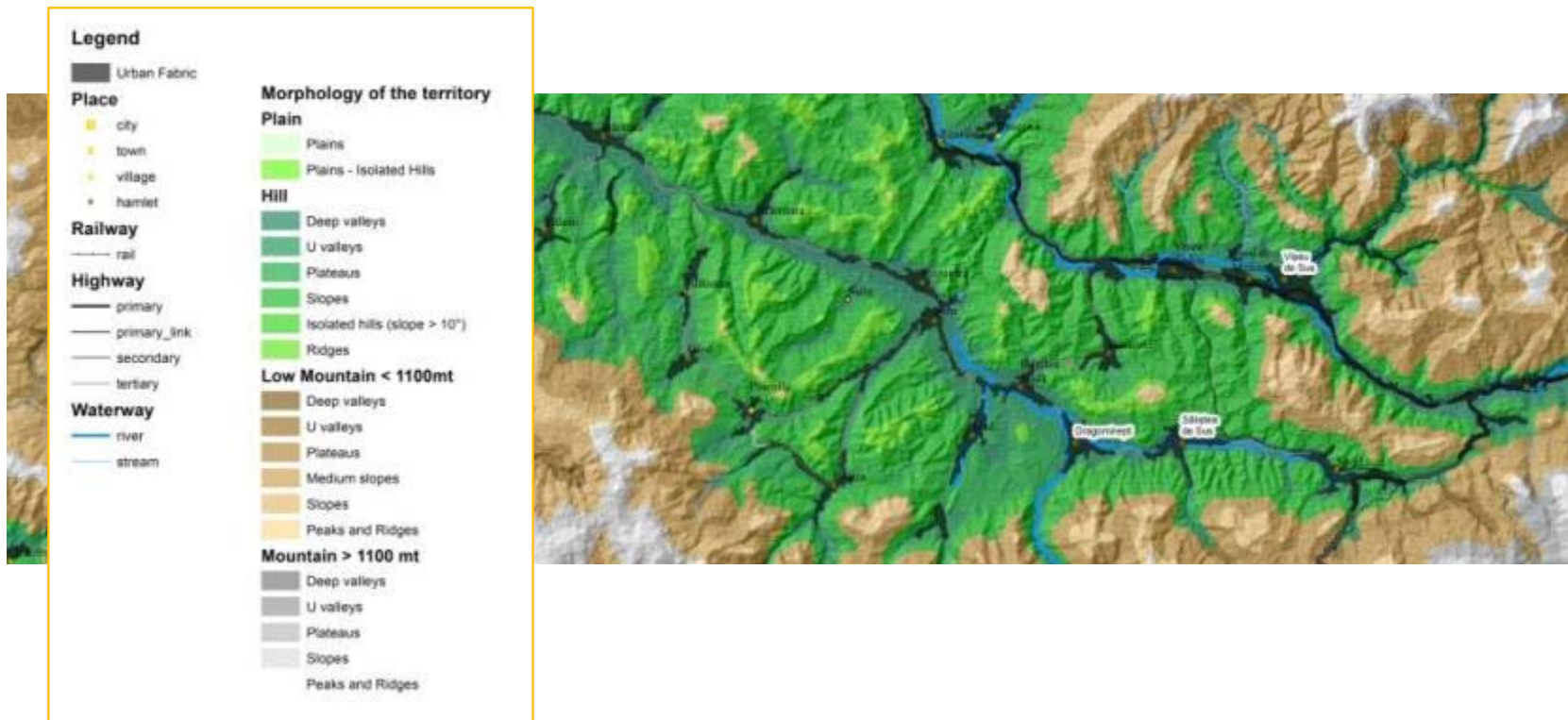
## Maramures (Romania) | Territorial framework – Morphology Analysis |





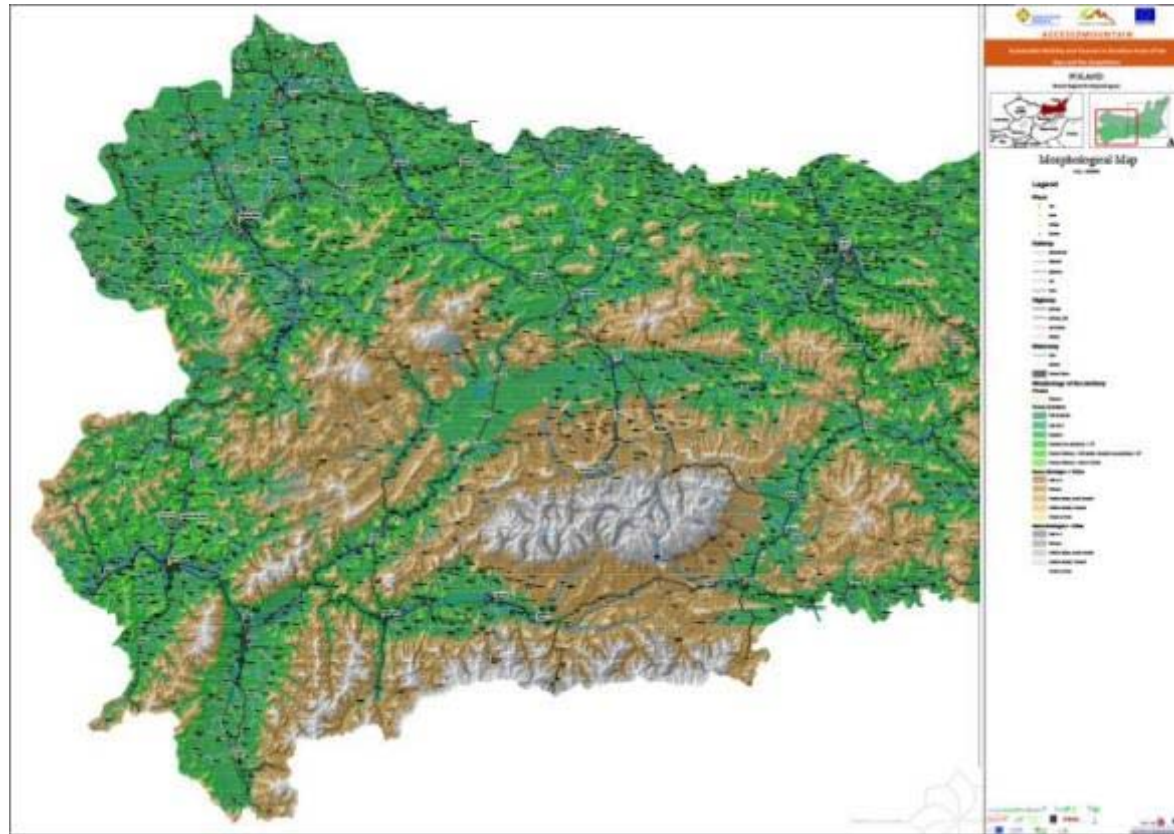
| Analysis of the current transport system related to the landscape characteristics of the model regions |

## Maramures (Romania) | Territorial framework – Morphology Analysis |



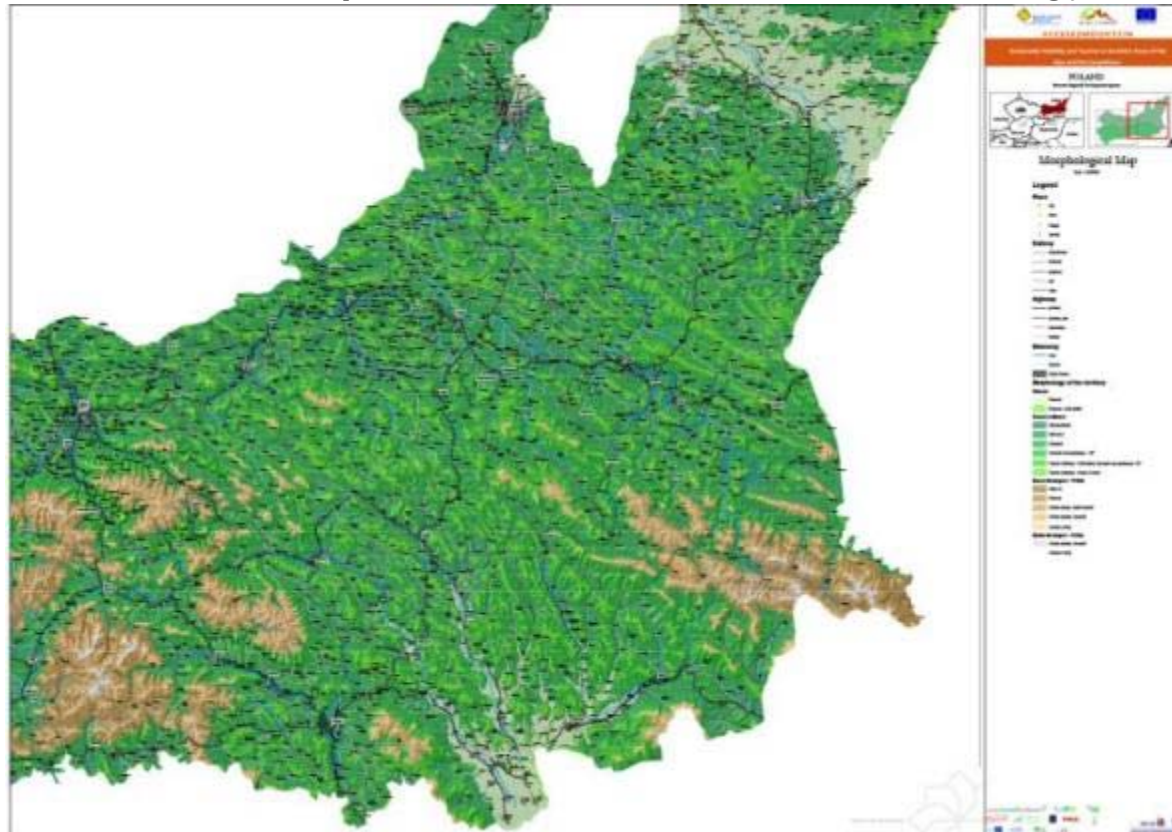
| Analysis of the current transport system related to the landscape characteristics of the model regions |

## Rzeszów (Poland) 1 | Territorial framework – Morphology Analysis |



| Analysis of the current transport system related to the landscape characteristics of the model regions |

## Rzeszów (Poland) 1 | Territorial framework – Morphology Analysis |



| Analysis of the current transport system related to the landscape characteristics of the model regions |

## Kosice Region (Slovakia) | Territorial framework – Morphology Analysis|



■ | Analysis of the current transport system related to the landscape characteristics of the model regions |

## Northern Hungary (Hungary) | Territorial framework – Morphology Analysis|



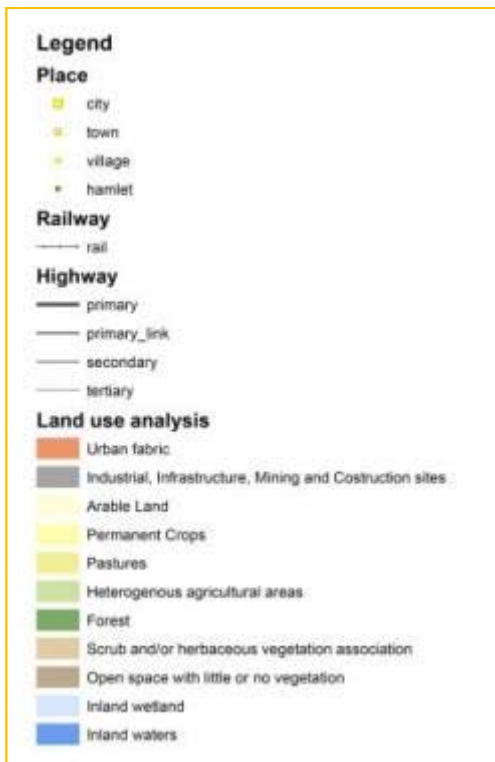
| Analysis of the current transport system related to the landscape characteristics of the model regions |

## Maramures (Romania) | Territorial framework – Land Use Analysis |



| Analysis of the current transport system related to the landscape characteristics of the model regions |

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| Analysis of the current transport system related to the landscape characteristics of the model regions |

## Rzeszów (Poland) | Territorial framework – Land Use Analysis |1|





| Analysis of the current transport system related to the landscape characteristics of the model regions |

## Rzeszów (Poland) | Territorial framework – Land Use Analysis |2|

