



LAST MILE - Let's travel the last mile together!



FLEXIBLE TRANSPORT SYSTEMS TECHNICAL STATE OF THE ART

Košice region, Slovakia



Regional state-of-the-art analysis

The Košice region is situated in the South-eastern part of Slovakia. It is the fourth largest region within Slovakia as for its area (6.754 km²) and the second by the density of the inhabitants (117 inhabitants/km²). The Košice region has 440 municipalities from which 17 have the status of cities.

In relation to regional sustainable transport situation:

- The companies' eurobus, a.s. and ARRIVA Michalovce, a.s. provide bus public service within regular bus services. Through these transport companies the transport services of the entire region is ensured by suburban regular bus services.
- The crucial railway track is the double-track electrified line Košice
- There is a network of marked cyclotouristic routes in total length of around 1.555 km. The existing cycling trails, however, do not fulfil the requirements of the efficient and safe traffic in the territory.



Picture: Transport network in Košice region

Region	KOŠICE REGION, SLOVAKIA			
Area (km²)	6.754			
Inhabitants	797.759			
Regional transport network	 European road routes: E50, E71 and E58. The length of the road network across region is 2.382 km Košice is the second largest railway node in Slovakia Airport Košice a.s is the second largest airport in Slovakia Košice region is affected by one TEN-T corridor: Corridor # 9 (Rhine - Danube) 			
Sustainable transport network	 Entire region is ensured by suburban regular bus service The crucial railway track is the double-track electrified line Košice – Bratislava Cycle touristic tracks network of 1.555 km 			
Flexible transport systems	 Seasonal summer and winter buses (operate only seasonally or at specific occasions with fixed route and stops, mostly small distances) Event train Sharing - bike rental 			

Flexible transport systems in Košice region

There are only following categories of flexible modes of transport in the territory of the Košice region and Slovak Paradise / Slovenský raj as a touristic "hotspot":

- 1) Shuttle seasonal/temporary (operates only seasonally or at specific occasions) with fixed route and stops, mostly small distances:
 - seasonal seasonal summer and winter buses
 - events event trains.
- 2) Sharing
 - bikerental.
- 1) Both types of seasonal buses (summer and winter buses) are designed for the tourists and visitors of the Spiš region and the adjacent destination Slovenský raj. The initiator for introduction of these buses was the Regional Organization of Tourism Slovenský raj & Spiš and the offer was prepared in close cooperation with the bus

operator eurobus, a.s., Košice and the Transport Department of the Office of the Košice Self-governing Region.

The tourist destinations within the Košice region are also accessible by the event train that runs only for the previously specified events.

2) Bike rental is another type of flexible transport services that is available at the territory of Slovenský raj.

PORTRAIT SCOPE AREA:

Tourist	Population	Number of arrivals	Overnight stays
destinations		(2015)	(2015)
Slovenský raj / Slovak Paradise	57.778	24.244	52.997





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SWOT - Analysis

As a conclusion of the state-of-the-art analysis in the touristic "hotspot" Slovenský raj / Slovak Paradise, the region has developed a SWOT analysis to identify success factors as well as difficulties in the practice of flexible transport systems. Here we present the results:



STRENGTHS

- partnership of Regional Tourism Organisation /OOCR/ + KSR + EUROBUS + villages
- existence of taxi-services in Spišská Nová Ves and Dobšiná
- introducing shuttle buses as part of public bus services (ski bus and summer bus); 4 year experience in operating buses
- close location of international airports in Poprad and Košice
- wide network of local communications
- significant railway line Žilina
 Košice (see corridor)
- favourable distance from bigger Slovak cities (Košice cca 240 thous. citizens, Prešov 89 thous., Poprad 51 thous., Spišská Nová Ves cca 38 thous. citizens)
- near highway connections from North
- villages centres of entrance are relatively well-proportioned and connected with roads around and from inside, there is a transport connection of several transport modes
- built up network of park and ride parking places
- dense network of cycloturistic/ cycling tracks in the destination with connection to cycling routes leading to wide vicinity



WEAKNESSES

- bad road infrastructure
- insufficient marketing communication
- insufficient information transport system (absent info's at the highway D1)
- insufficient communication and cooperation of the entities responsible for development of transport and mobility
- absence of possibilities of transport of bicycles in coaches
- absence of railway connections Spišská Nová Ves – Levoča
- insufficient connection of North
 South in the territory of Slovenský raj
- absence of connection of the local buses onto the trains
- need of strengthening the cooperation and communication with the public transport operators (KSR, PSR, BSR)
- lack of bus connection in weekends and holidays
- weak infrastructure of cycling traffic
- long duration of transport connections to Southern parts of Slovenský raj
- excessive load of parking places in days of high number of visitors





THREATS

- unsuccessful initiative of legislative changes concerning mobility
- railway transport directively limited from the state (Slovak Railway Company/ŽSSK)
- complicated conditions of mountainous terrain during the reconstructions of roads
- insufficient financial means for renewal and development of transport infrastructure
- complicated property settlement of the lands needed for the development of the transport infrastructure



OPPORTUNITIES

- creation of unified tickets within ITS
- implementation of regional cards (applying also in transport)
- founding a central dispatching ITS
- synchronized Train Bus transport
- starting the operation of steam locomotives on route Telgárt
 Červená skala
- development of integrated transport on the territory of KSR
- renewal of railway traffic Spišská Nová Ves – Levoča (as alternative form of transport)
- using the Kopanecká road for transport connection North and South of Slovenský raj (as alternative form of transport)
- extending the Ski bus and Summer bus traffic as a part of public traffic, or as a combination of public and private transport
- change in behaviour of transport companies in relation to the passengers (willingness to help, advice)

THE PROJECT PARTNERS

















ALL ABOUT LAST MILE AT:

www.interregeurope.eu/lastmile

THE FULL ANALYSIS IS FREELY AVAILABLE AT THE PROJECT WEBSITE.

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