



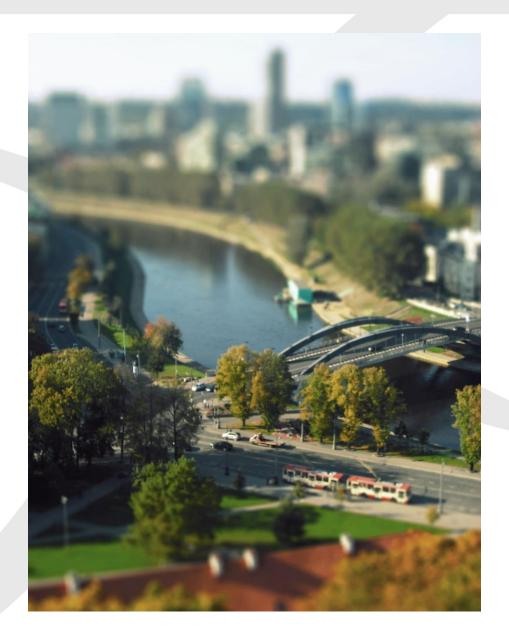


VILNIUS PUBLIC TRANSPORT DEVELOPMENT: TOWARDS THE MORE SUSTAINABLE SYSTEM

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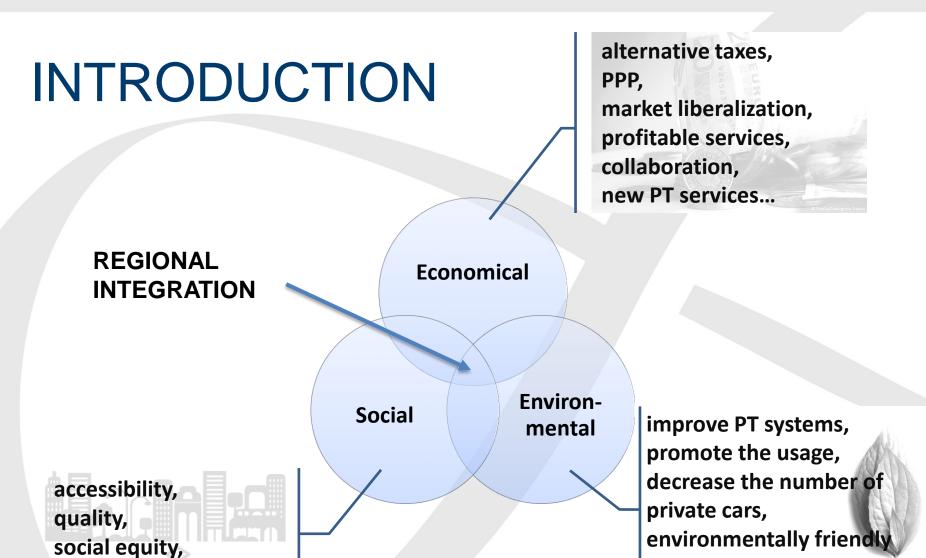




safety...



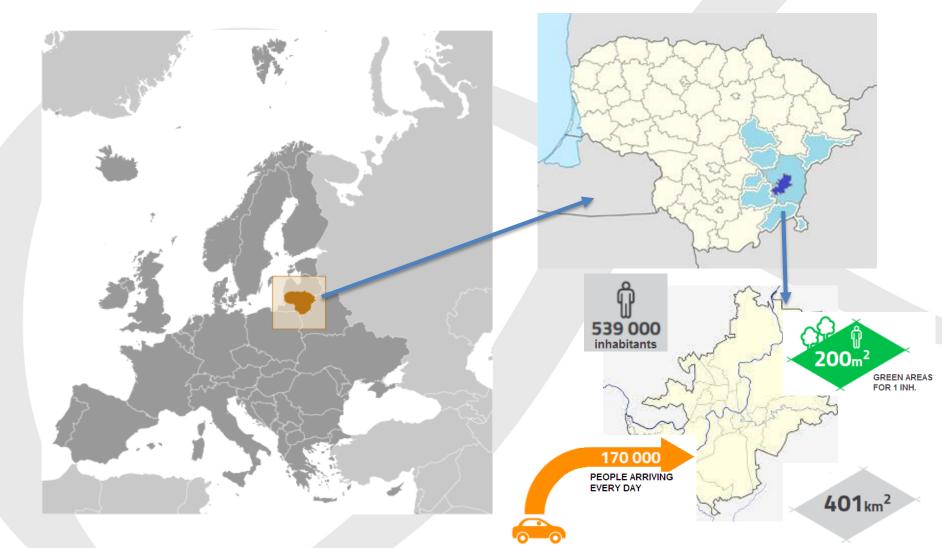
vehicles...







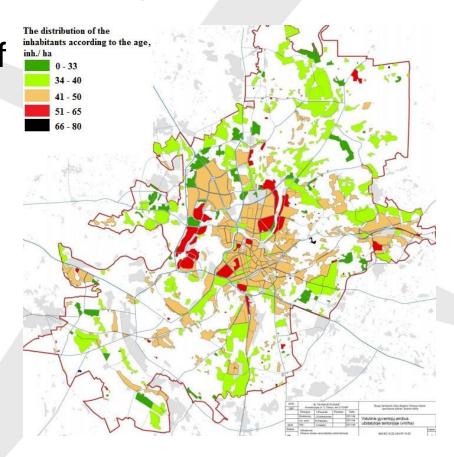
LOCATION OF VILNIUS





PROBLEM DESCRIPTION

- The tendency of spreading of metropolitan area to suburbs is significant in many municipalities.
- The parameters of the services in the rural area is much worse than in urban area (from the passengers point of view).





REGIONAL INTEGRATION

Three main principles, which should be followed while planning the regional integration of PT system are:

- 1. Integrated management of PT;
- 2. Tendering and contracting;
- 3. Sustainable financing of PT.

Greater value

Avoiding of conflicting objectives

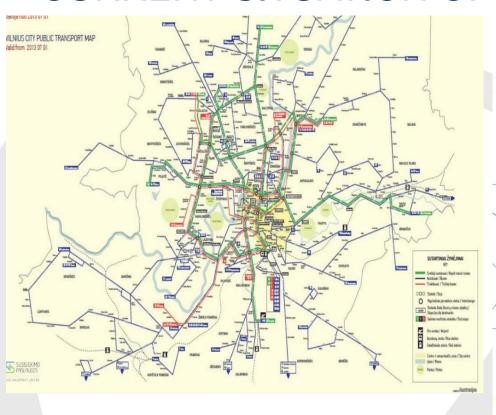
Co-operation and informational exchange

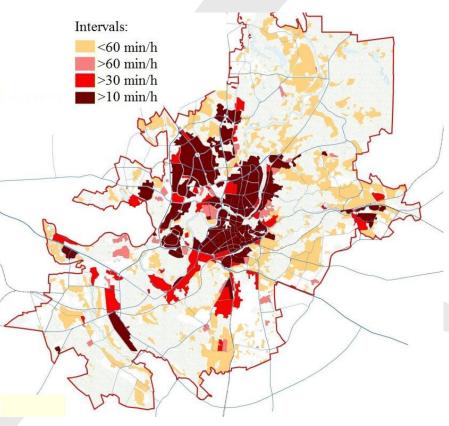


How does regional integration affect the stakeholders and what barriers should be overcome?



CURRENT SITUATION OF VILNIUS PT SYSTEM





PT network in Vilnius

Intensity of PT traffic (2014)



LOAD OF VEHICLES DURING PEAK HOURS





BENEFITS OF VILNIUS PT SYSTEM

- Advanced informational system m.Ticket:
- 1) e-ticket,
- 2) online trip planning,
- 3) bus location information,
- 4) personal traveling data,
- 5) interactive information.











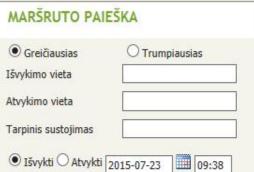








Vilniaus miest... ×



http://www.sviesoforai.lt/map/



Pradinis puslapis |...

A "Google" vertėjas

Centralizuotos eismo valdymo sistemos gedimų registravimas: tel. (8 5) 260 93 77, el. p. info@sviesoforai.lt

Mobili sviesoforai.lt versija skirta įrenginiams turintiems "Android 4.0" arba aukštesnės versijos operacine sistema.





























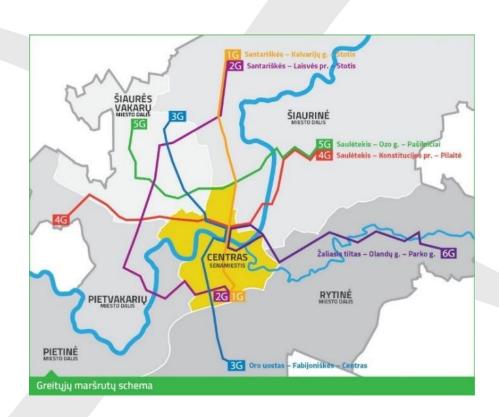






BENEFITS OF VILNIUS PT SYSTEM (2)

- 6 fast routes:
- dedicated lines for PT (36 km in total),
- connection between the peripheral and central areas of the city,
- 3) 1/4 of total traffic

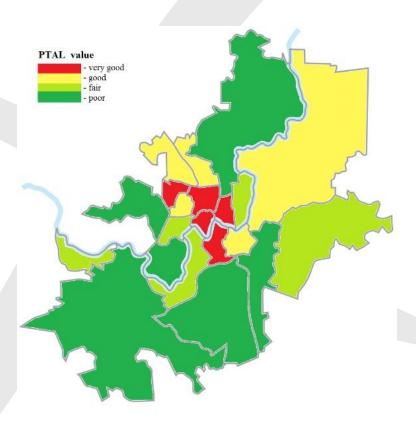




WEAK POINTS OF VILNIUS PT SYSTEM

Poor accessibility (according to average distance to the closest stop and the PT traffic):

 PT network is best developed in the center of Vilnius, while people living in peripheral areas experience mobility exclusion





WEAK POINTS OF VILNIUS PT SYSTEM (2)

According to MEDIATE the average level of service is 1,8. It means that in the best case accessibility policy is systematic, but isolated to specific population groups, or selected travel chain elements, modes or parts of the transport system

Level 0: no approach;

Level 1: ad hoc approach Level 2: isolated approach;

Level 3: system-oriented

approach

Level 4: integrated approach

	(Z)					
	No	Indicator	LOD *			
	A 1	Accessibility plan	1,5			
	A2	User involvement	1,5			
	A3	Integrated accessibility policy	1,3			
	B1	Meeting user needs	1,8			
	B2	Accessibility maintenance	1			
	В3	Fare policies and alternative services	2,5			
	C1	Accessible information	1,75			
	C2	Accessible ticketing	2			
	D1	Accessible vehicles and built environment	1,7			
	E1	Seamless travel	3			
\	* - level of development, LOD					



WEAK POINTS OF VILNIUS PT SYSTEM

Other gaps in Vilnius PT system:

- The only one PT operator municipal carrier;
- Vilnius PT is completely dependent on government subsidies;
- Excessive influence of the political interests;
- Vilnius PT system is absolutely fixed.



PROJECT OF REGIONAL INTEGRATION

 PT routes that go beyond the citys border are not coordinated between the two parties, they are introduced and maintained independently. For example, 86% of Trakai (one of the districts in Vilnius) routes extends to Vilnius city and partly duplicate those from Vilnius.





CURRENT PLANNING AND OPERATIONAL PROBLEMS

Planning	 Duplication of routes causes inefficiencies. Not coordinated PT scheduling. Inability to respond to changing passenger needs in a timely manner due to a lengthy process of existing routes coordination and new routes implementation. 		
Ticketing	Different ticketing systems.		
J	Expensive to use PT from district to Vilnius.		
Information	ion . No common passenger information system.		
	Limited availability of information.		
Quality	 PT quality level is too low to attract new passengers. 		
Development	. No proper cooperation between the parties. (Municipalities,		
	operators).		
	 No clear development strategy. 		
Collaboration	Recovery of expenses for cross-border routes (subsidies and		
	compensations)		





EXPECTED RESULTS OF ELIMINATION OF DUPLICATING ROUTES

	Urban public transport network		Regional public transport network	
	Number of routes	Mileage per working day, km	Number of routes	Mileage per working day, km
The situation until the reorganization	82	~ 21 000	96	~ 121 000
The situation after the reorganization	80	~ 17 000	95	~ 120 000
Total:	-2	-4 000	-1	-1 000





POSSIBLE BARRIERS OF PROJECT DEVELOPMENT

	POSSIBLE BARRIERS	POSSIBLE MEASURES		
	Lack of the cooperation between stakeholders	Incorporation from the first stages		
	Long lead times	Setting the project of primary importance		
	Negative passengers attitude	Active mobility consultancy		
	Lack of the passengers	Implementation of FTS		



CONCLUDING REMARKS

- As the survey showed, it is crucial for Vilnius to increase the number of passengers and reduce the costs of the service. Regional integration is the opportunity to organize PT services in more sustainable way. The analysis of the practices of other cities revealed, that cities having longterm, integrated approach policies are evolving successfully.
- The evolutionary tendencies are impossible to change thus the only solution is to adapt. It is considered that about 55% of the Vilnius PT services are ineffective because of the low population density and urban sprawl in periphery. Whereas the regional integration of PT would lead to creation of the unique system with benefits for both, passengers and suppliers
- The elimination of duplicating routes can cut the costs while smoother travel planning and usage of service leads to increased demand.



THANK YOU FOR YOUR ATTENTION!