



# Sustainable Public Transport and Mobility

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**Chapter 1** gives a brief review of the state of sustainable urban transport and mobility and the challenges for the capitals of ECE member States.

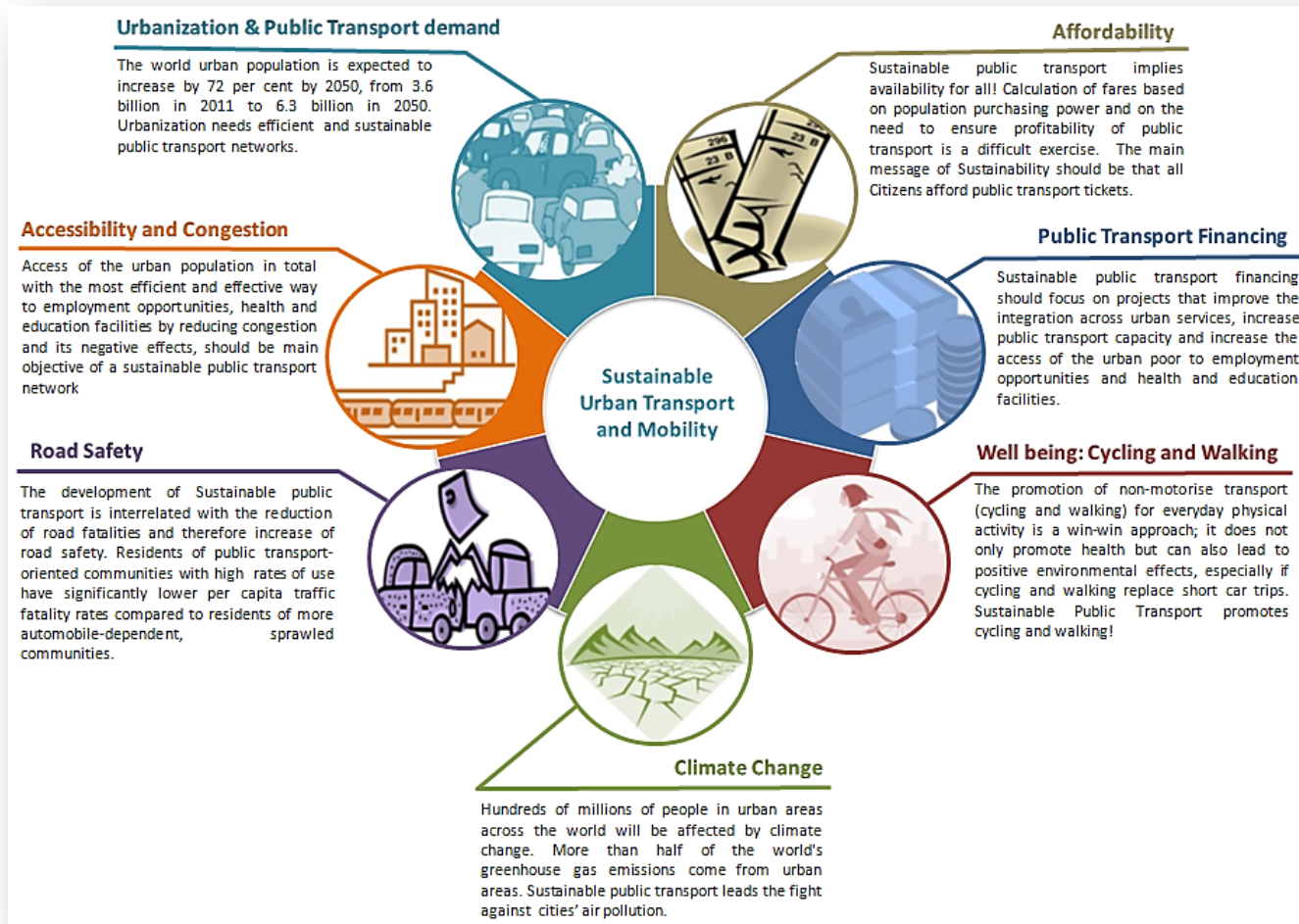
**Chapter 2** gives an account of general trends in the ECE region relevant to sustainable urban transport and mobility development and provides information on more than 40 urban transport and mobility indicators of ECE capitals.

**Chapter 3** presents urban transport and mobility profiles of 36 capitals.

**Chapter 4** concludes by highlighting general findings and outlines the ways forward.



# Sustainable Urban Transport and Mobility

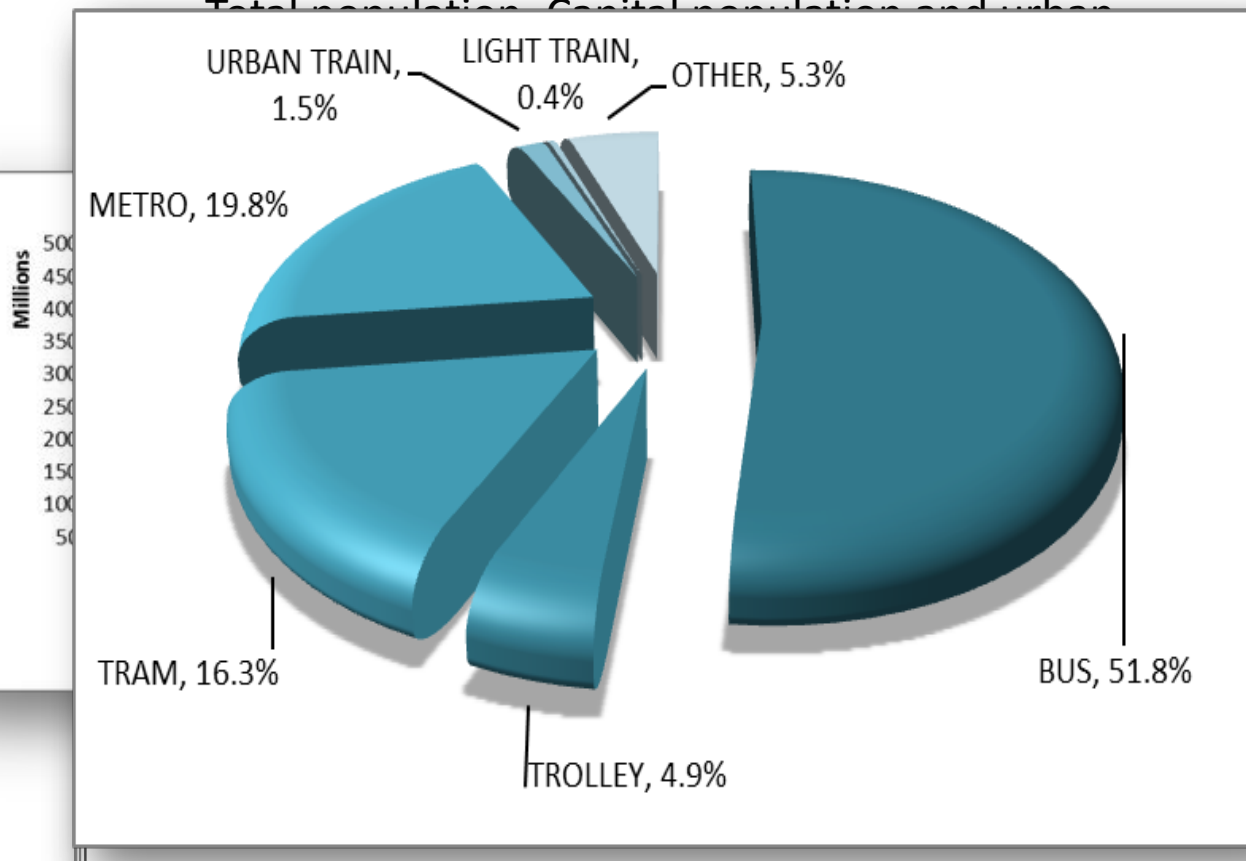




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## Urbanization & Public Transport demand

Total population, Conitral population and urban



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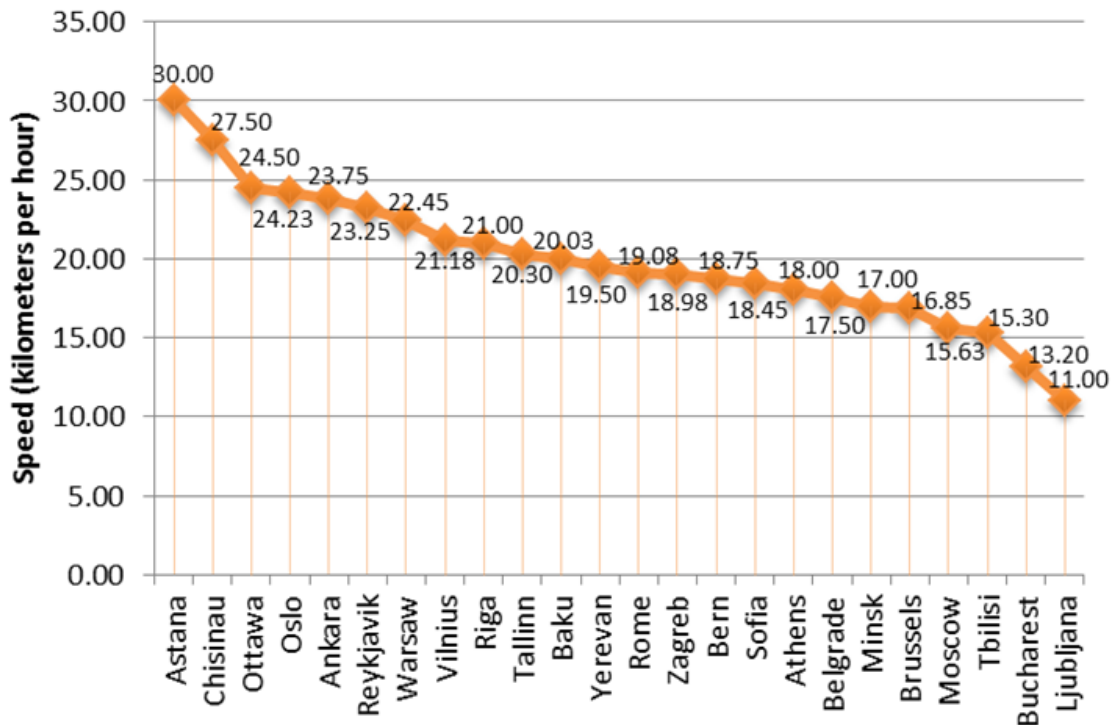
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## Accessibility and Congestion

### Bus average speed in ECE capitals



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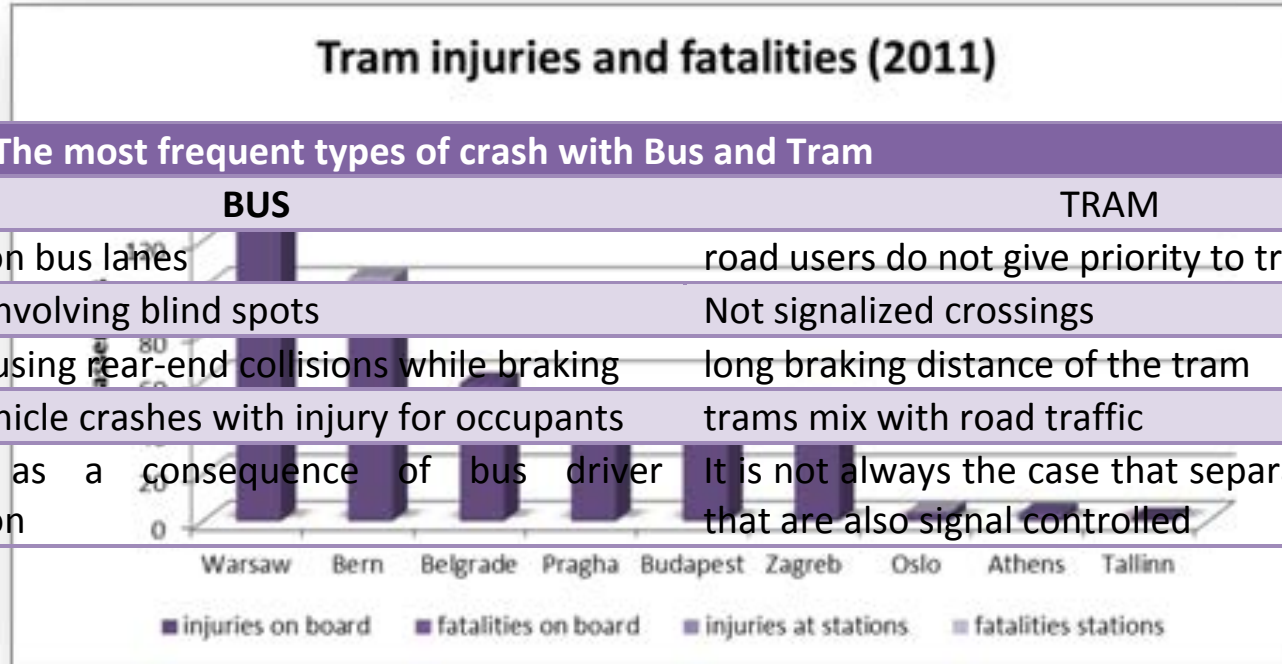
## Road Safety



### Tram injuries and fatalities (2011)

Table 1. The most frequent types of crash with Bus and Tram

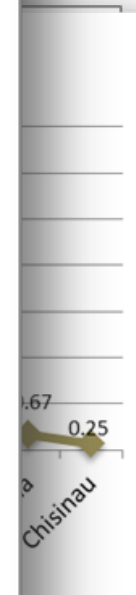
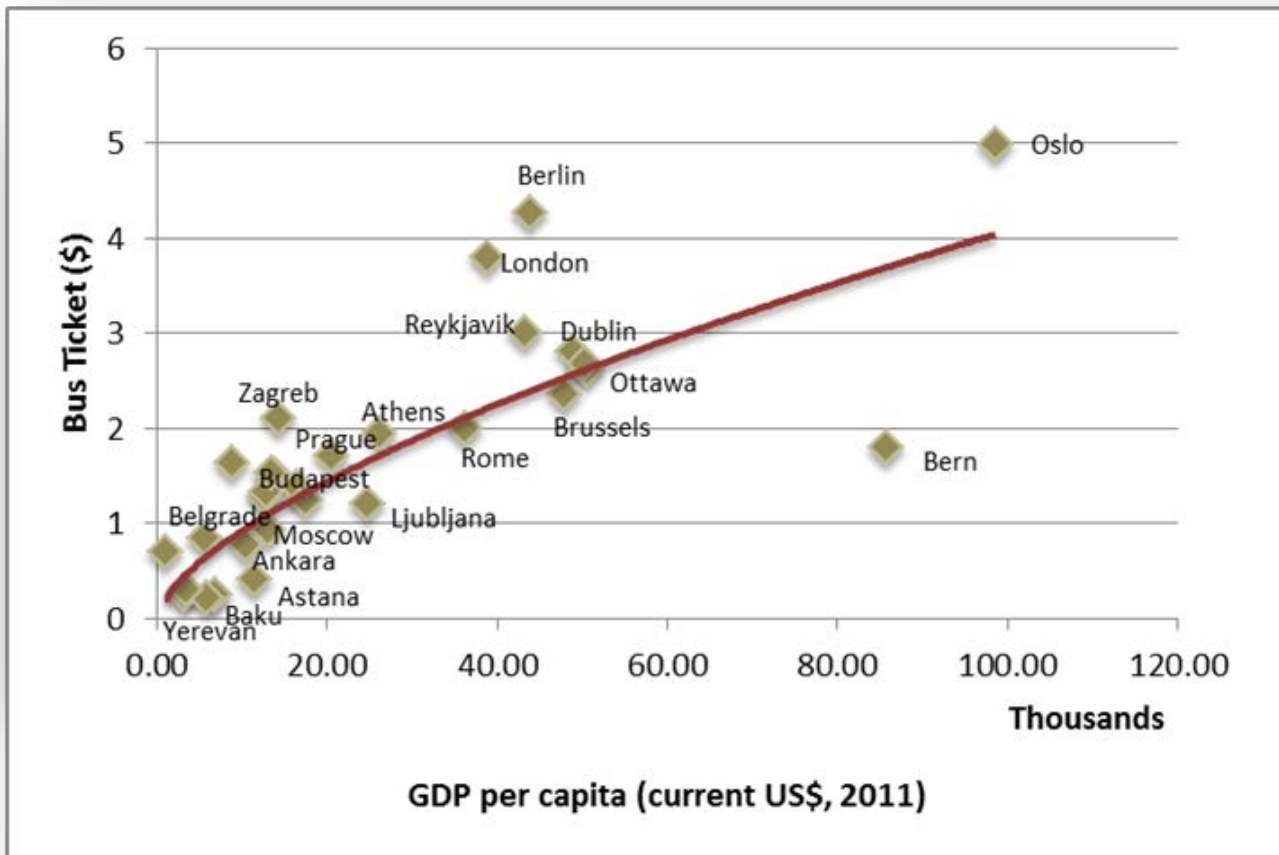
BUS	TRAM
crashes on bus lanes	road users do not give priority to trams
crashes involving blind spots	Not signalized crossings
buses causing rear-end collisions while braking	long braking distance of the tram
single vehicle crashes with injury for occupants	trams mix with road traffic
crashes as a consequence of bus driver distraction	It is not always the case that separate lanes exist that are also signal controlled



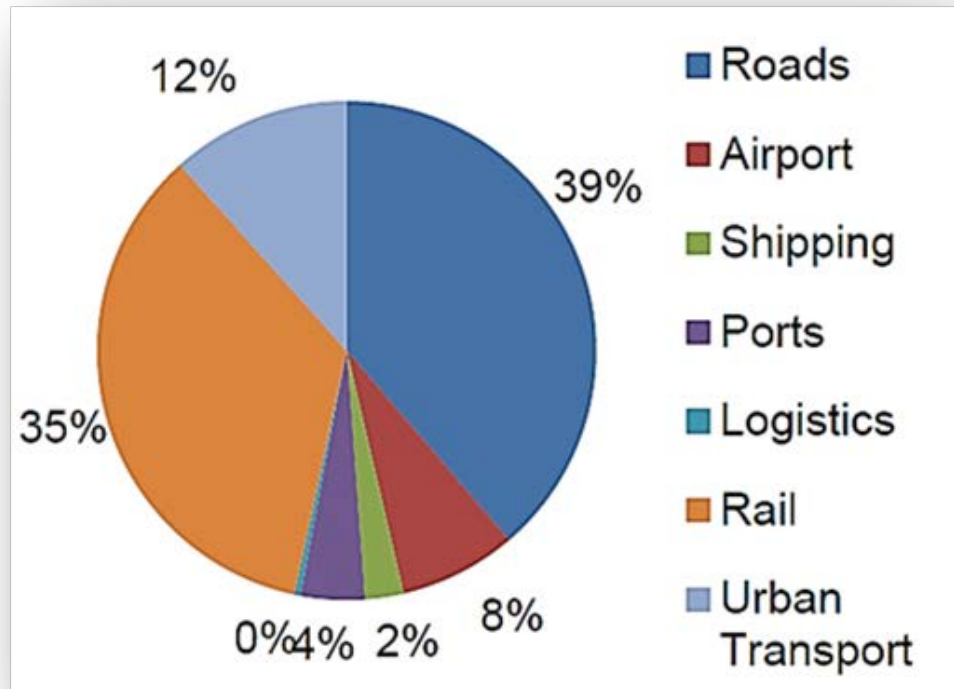
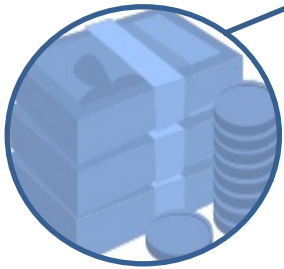


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## Affordability



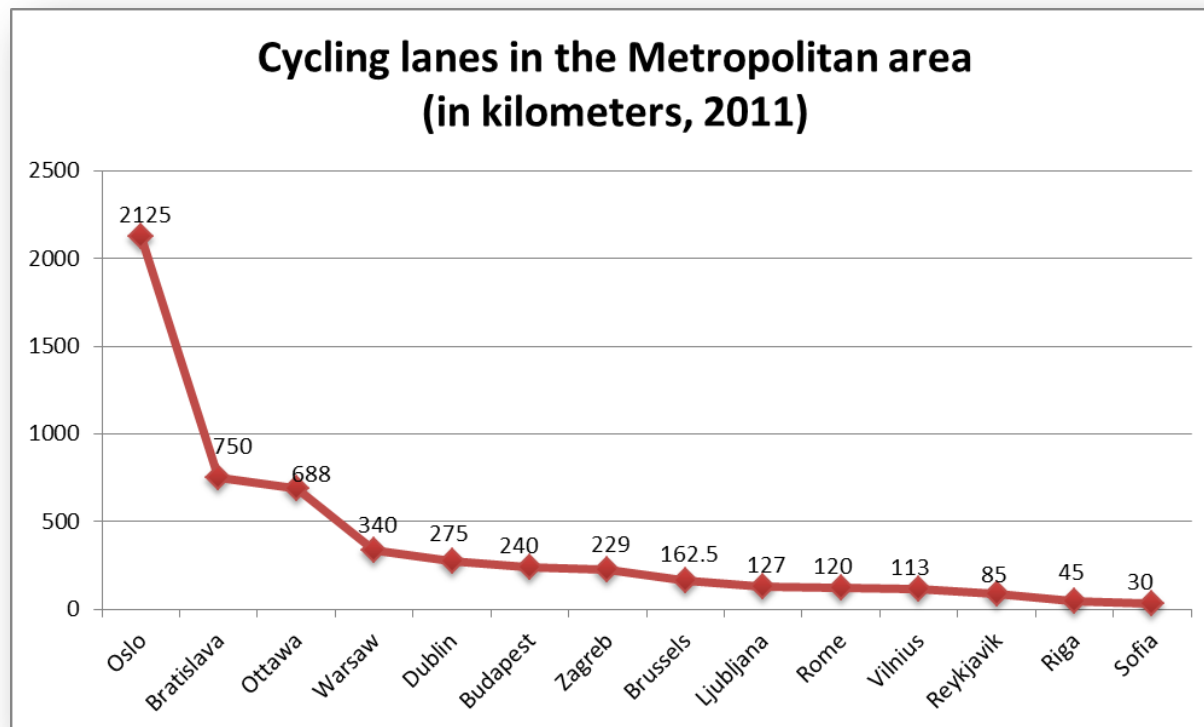
## Public Transport Financing



ADB's modal distribution of ADB's 2012 transport approvals



## Well being: Cycling and Walking



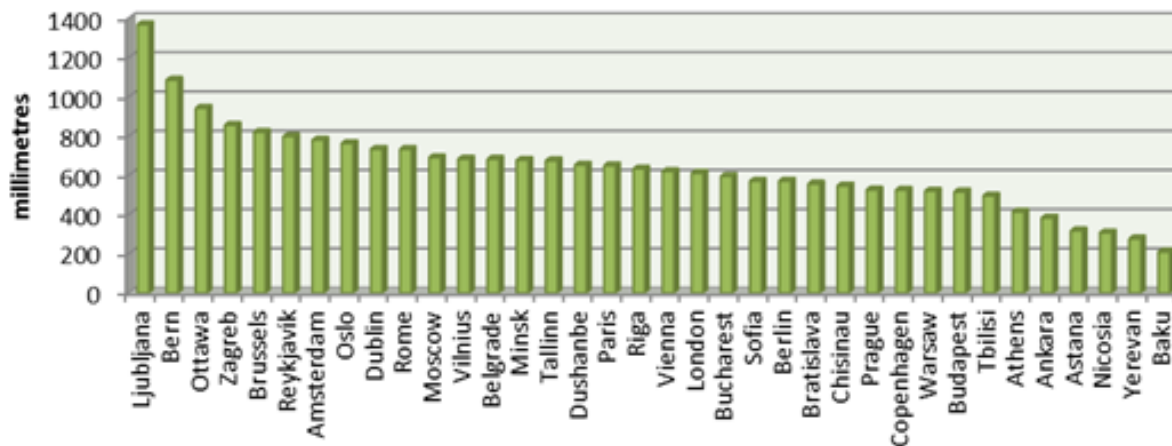


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Climate Change

### Rainfall in the capital city, total mean (millimetres)

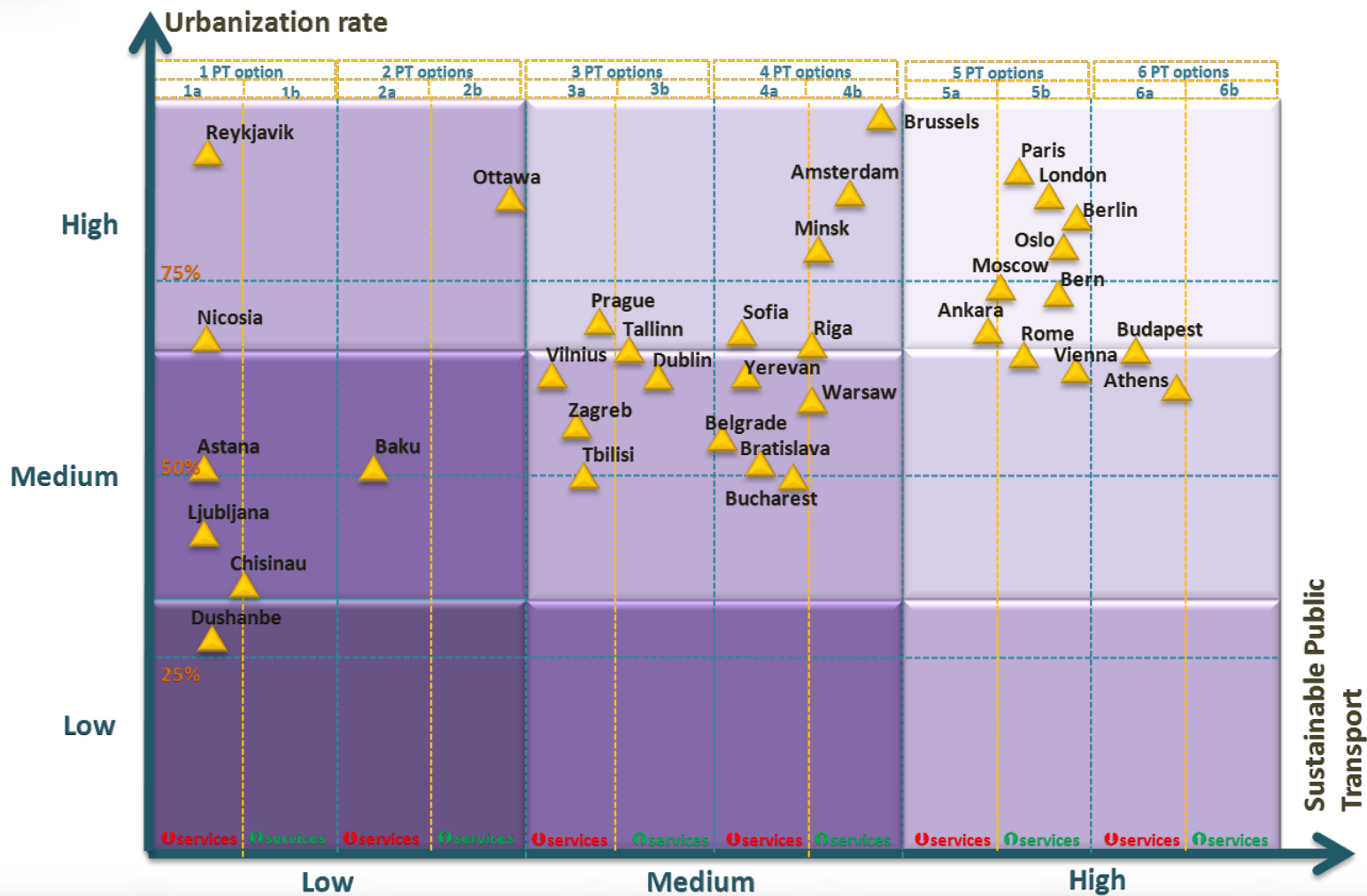


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Low

Medium

High

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








## Towards sustainable urban transport and mobility



## Serbia Belgrade


















Size: 259 km <sup>2</sup> Population: 1,222,721 Density: 2,402 inhabitants/ km <sup>2</sup> Tourist Season: N/A Number of Tourists: N/A Number of Parking: N/A	Boating means of Public Transport in <b>Belgrade</b> :						
							
	BUS	TRAM	METRO	TROLLEY	URBAN TRAIN	LIGHT TRAIN	MINIBUS
Distribution of passengers among means of public transport 		Lines in km	6,850	Number of stations	5,869		
		Lines in km	122	Number of stations	477		
		Lines in km		Number of stations			
		Lines in km	58	Number of stations	252		
		Lines in km	20	Number of stations	9		
		Lines in km		Number of stations			
		Lines in km		Number of stations			
		Cost of one hour ticket			50.24		
		Cost of one day ticket			n/a		

Please describe a strategy or initiative implemented by your organization with positive results for the public transport of the city.

Implemented a - Scheduling and fleet management system in **Belgrade** public transport fleet. It - **Q&Q** is based on RFID technology with contactless smart cards, and fleet management is using GPS and OMS for automatic vehicle location. [See more information on board, website, infopoint and app.](http://www.belgradeinfo.com/en/transport/infrastructure/2015)

## Slovakia Bratislava



Size: 2,053 km <sup>2</sup> Population: 611,000 Density: 297 inhabitants/ km <sup>2</sup> Tourist Season: May-September Number of Tourists: 780,000 Number of Parking: 20	Boating means of Public Transport in <b>Bratislava</b> :						
							
	BUS	TRAM	METRO	TROLLEY	URBAN TRAIN	LIGHT TRAIN	MINIBUS
Distribution of passengers among means of public transport 		Lines in km	602	Number of stations	676		
		Lines in km	29	Number of stations	152		
		Lines in km		Number of stations			
		Lines in km	46	Number of stations	70		
		Lines in km	196	Number of stations	22		
		Lines in km		Number of stations			
		Lines in km		Number of stations			
		Cost of one hour ticket			€1,247		
		Cost of one day ticket			€6,19		

Please describe a strategy or initiative implemented by your organization with positive results for the public transport of the city.



Bratislava City Card offers discounts and benefits for individual tourists and visitors to the Bratislava. The holder of the Bratislava City Card can use various discounts in the range from 5- 20% in museums, galleries, restaurants, sightseeing tours, leisure time activities, shops, transportation. All providers of discounts are listed in the information guide provided with the card.

The holder of the Bratislava City Card can use public transport (Trams, trolleybuses, buses, **public**) in Bratislava free of charge until midnight of the last day of the Card validity.

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# Thank You!

