



EVOLUTION of PUBLIC TRANSPORT in the CZECH REPUBLIC



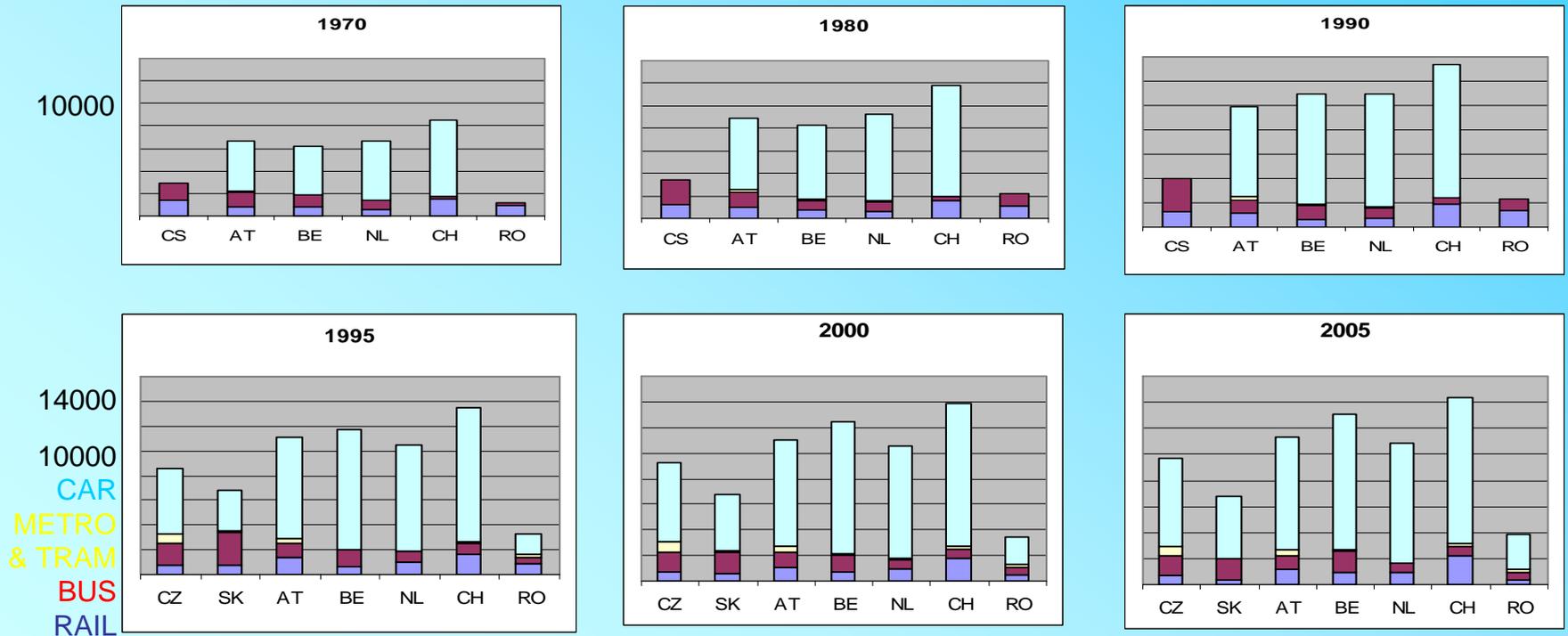
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Bucharest, 13.5.2010

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- EU context
- Public Transport in CZ
- Prague Regional Integrated Transport
- Brno & South Moravia Region
- *European project* Buses with a High Level of Service (COST TU0603)
 - Quality standards
 - Solutions

MOBILITY [km/person] in selected European countries



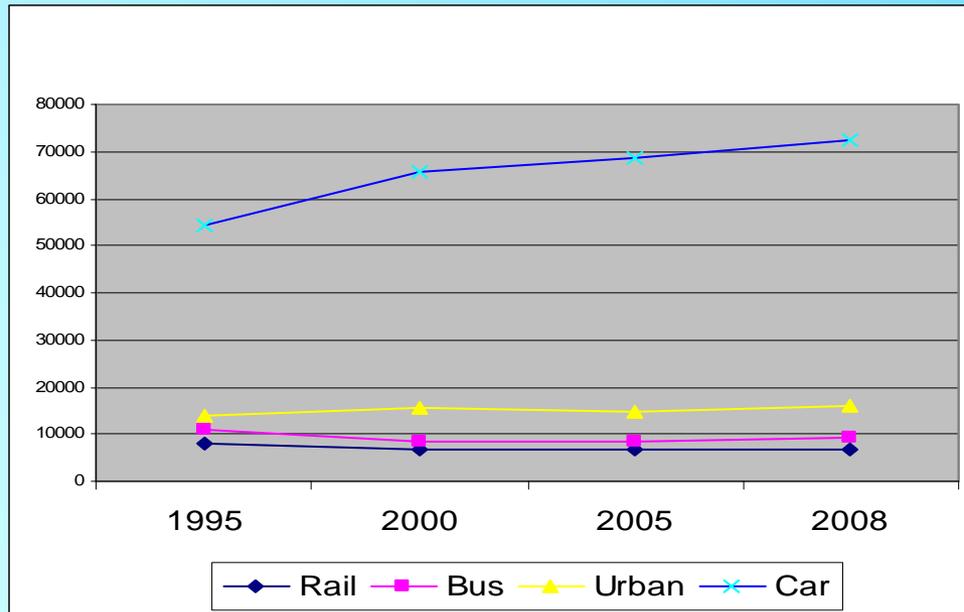
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CZ-Transport Performance per mode

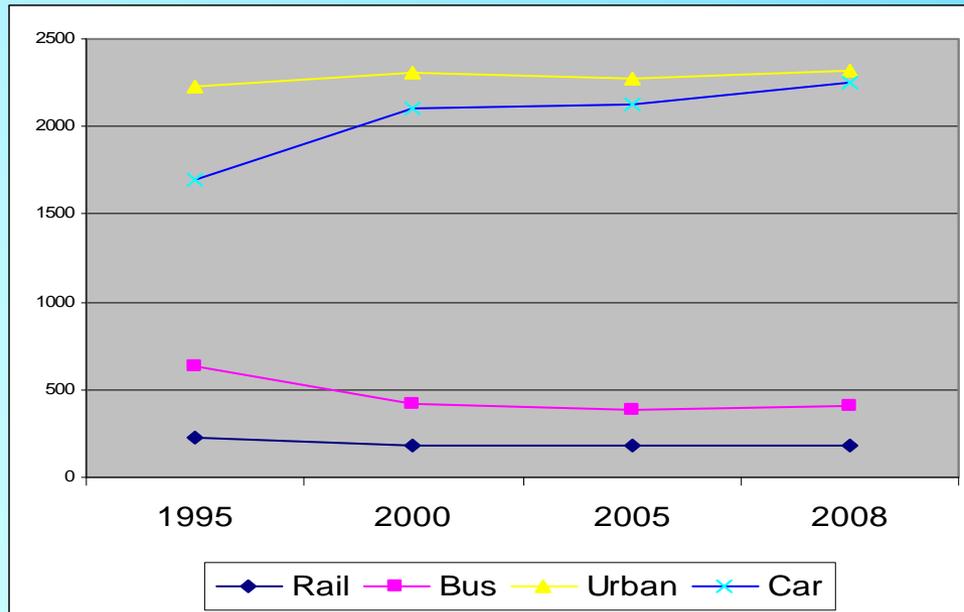
[billion passenger-km]



Rail	8 > 6.8
Bus	11 > 9.4
Urban PT	14 > 16
Car	55 > 73

CZ-Number of Passengers

[mil passengers carried]



Rail 227 > 177

Bus 639 > 402

Urban PT

2230 > 2324

Car 1700 > 2250

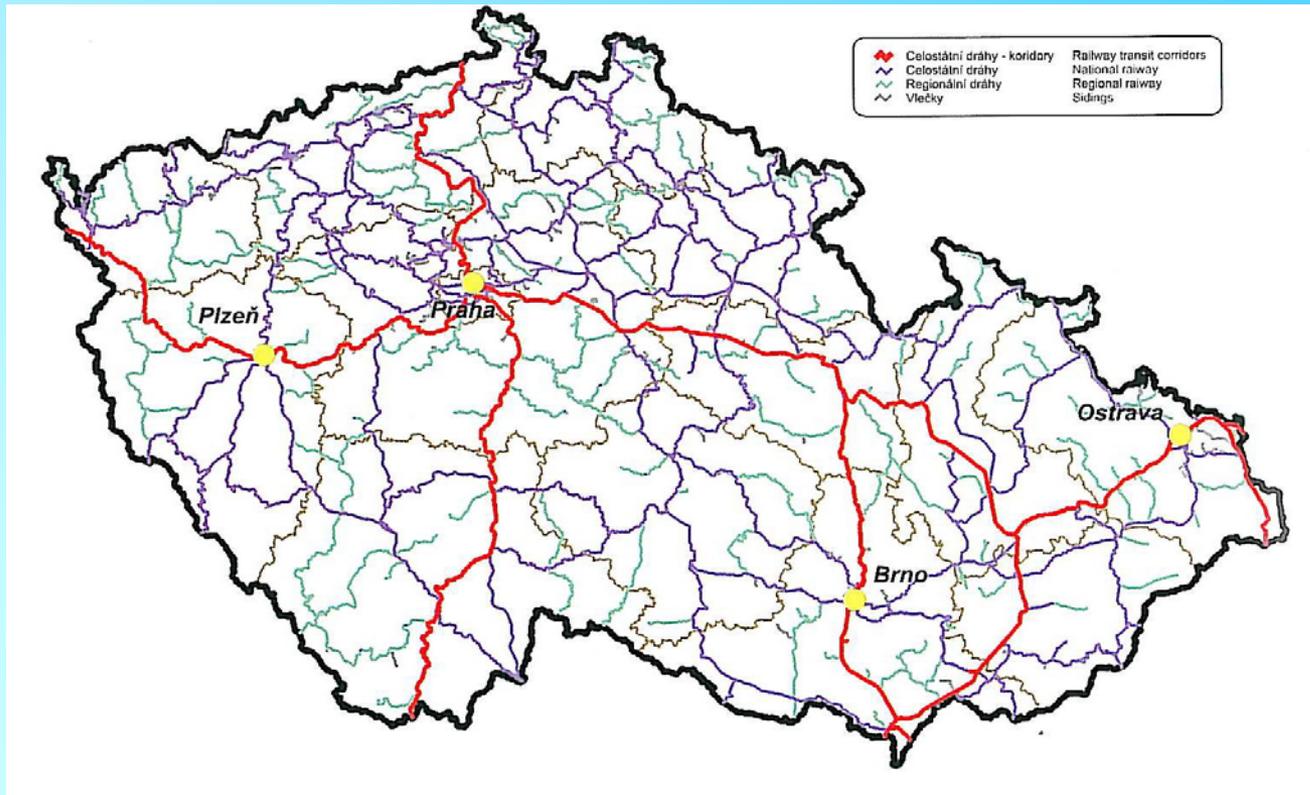
EVOLUTION of PUBLIC TRANSPORT in CZ

PUBLIC TRANSPORT in CZ

PUBLIC SERVICE CONTRACT & SUBSIDY

Long distance Rail [MoT]	160 M€
<i>Long distance Bus</i>	<i>[Open Market]</i>
Regional Rail [Provinces]	200 M€
Regional Bus [Provinces]	180 M€
Urban Transport [Cities]	450 M€
ex Prague	160 M€

NATIONAL RAIL NETWORK



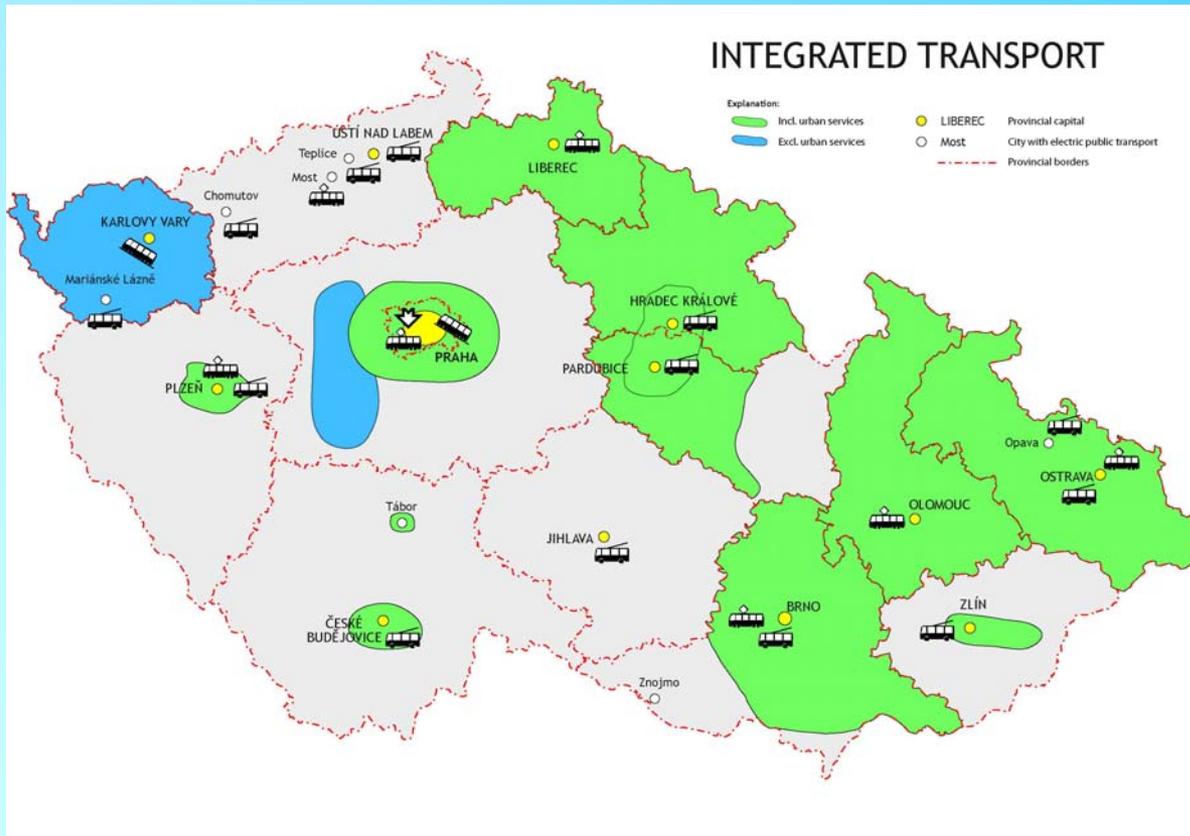
9500 km network
7000 trains/day

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INTEGRATED REGIONAL NETWORKS

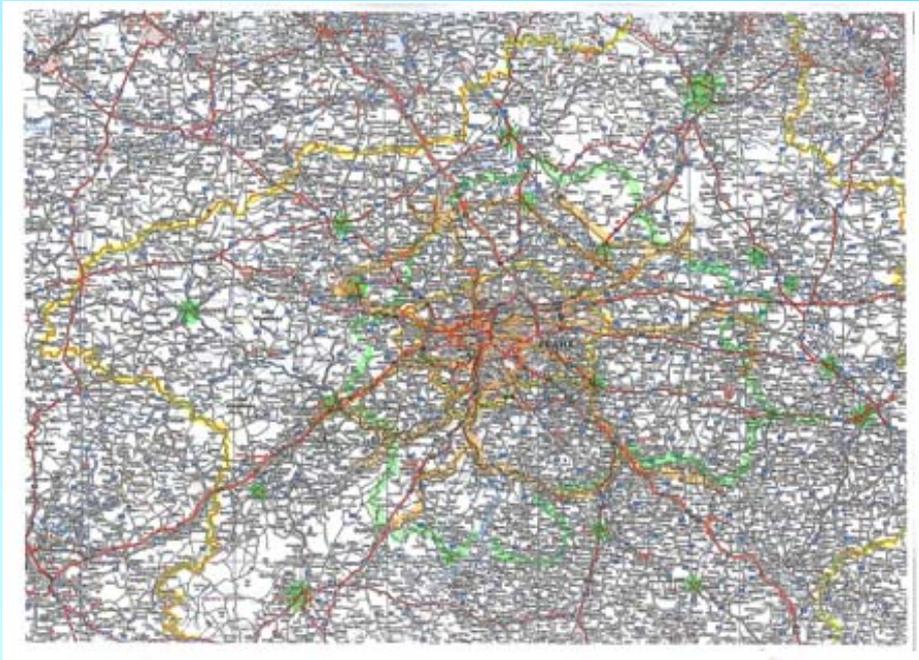


- 14 integrated provincial or regional networks

Urban transport

- 1 metro
- 7 tram systems
- 13 T-bus systems
- 2 urban funiculars
- + ca 80 bus systems
(in most county towns)

Prague Integrated Transport System



Region:

City of Prague (1.2 M inhabitants) +
part of Central Bohemian Province
(1 M)

1.4 M inhabitants served by PIT

300 municipalities

223 rail stations & stops

Passengers:

Praha – 3.5 M/day = 1250 M/year

Region

Rail – 80 thous/day = 20 M/year

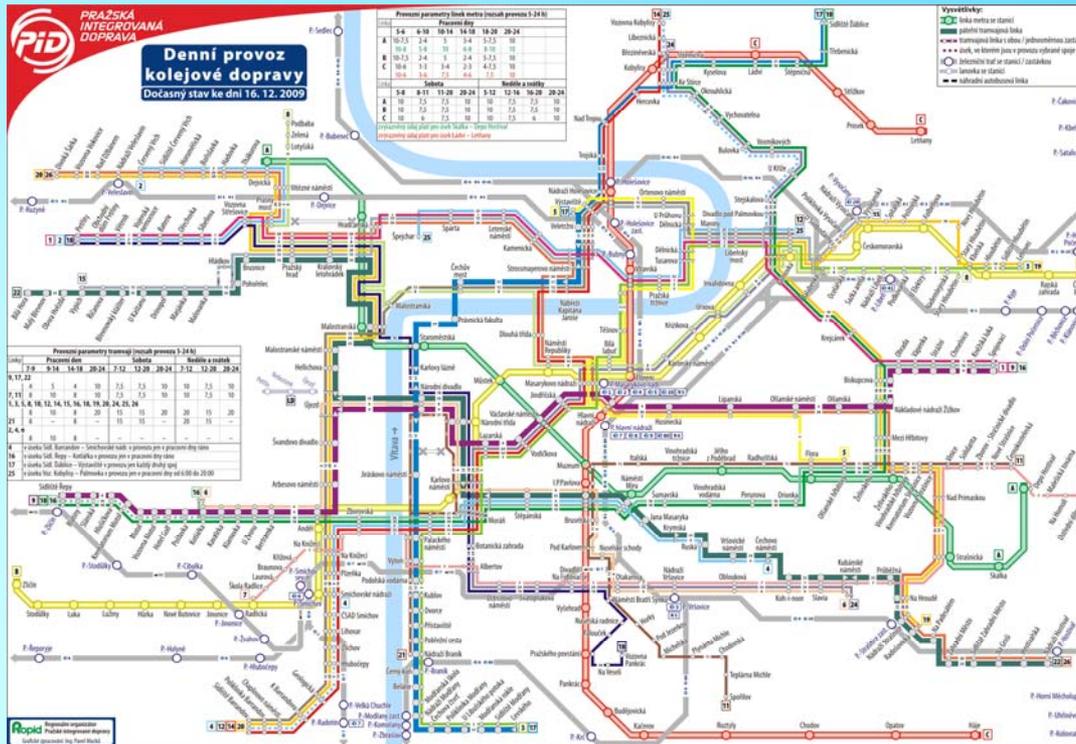
Buses – 150 thous/day = 55 M/year

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Prague Integrated Transport System



Prague Metro

3 lines

57 stations (32 PRM accessible)

59 km

95 trains in service in peak time
600 M passengers

Prague trams:

25 day lines (9 night)

142 km of network

431 trains (695 trams) in service in peak time

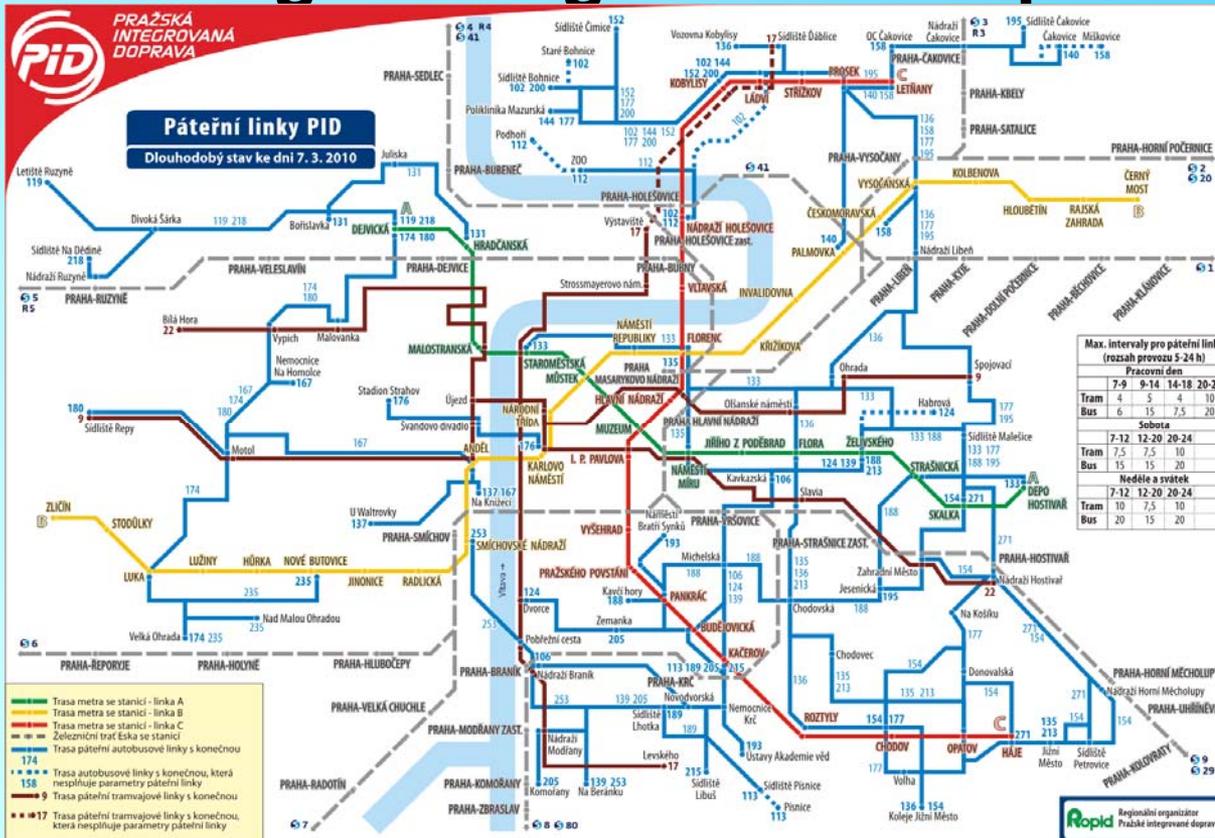
357 M passengers

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Prague Integrated Transport System



Prague bus services
174 lines
937 buses in service in peak time
358 M passengers

“Core lines”
Metro: peak freq 2-3 min
Trams (9,17,22):
peak freq 4 min
Buses: peak freq 6 min

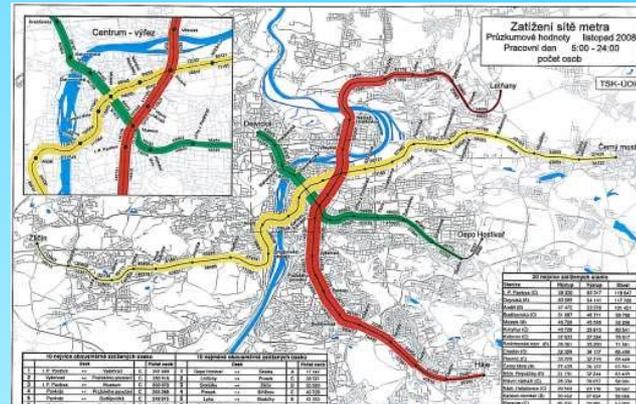
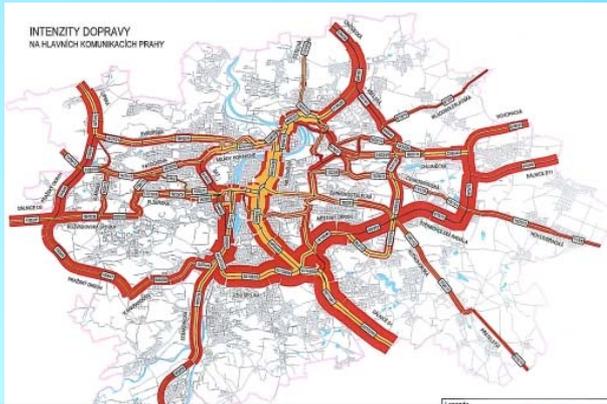
Subsidy:
Prague 360M€ regio 12M€

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Prague – TRAFFIC FLOWS “Benefits”

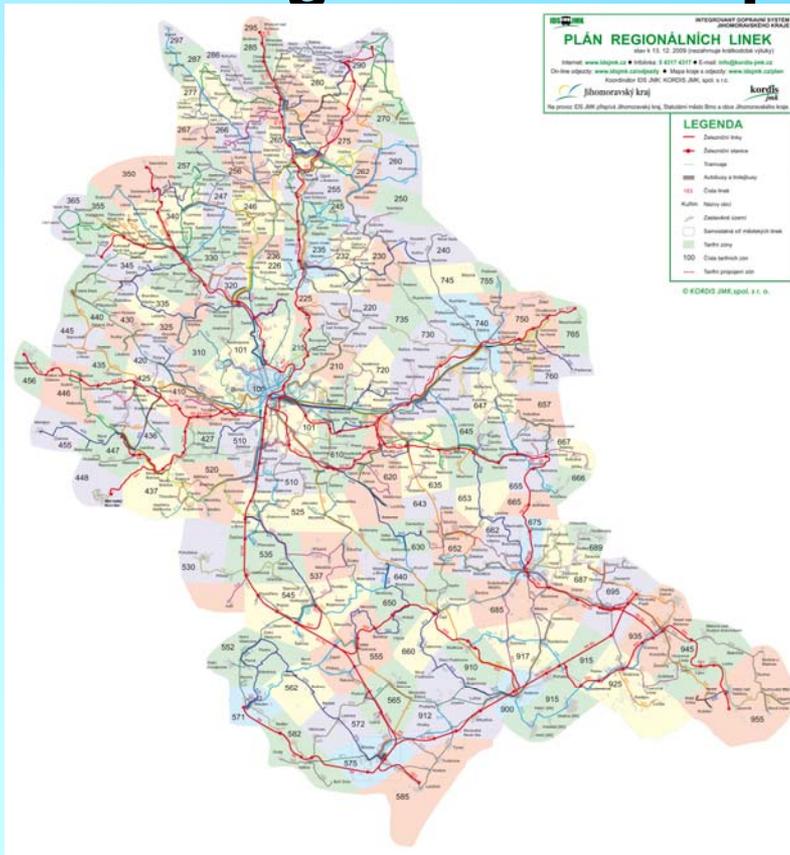


ROAD [thous.cars]	PEAK SECTIONS	PT [thous.pass.]
100	NORTH-SOUTH	Metro C: 260-290
60	WEST-EAST	Metro A: 125-160 Metro B: 160-225 Tram IP-KN: 95
100-130	Ring Road (South)	

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Integrated Transport System South Moravia



Region:

1.15 M inhabitants > 88 % served (1 M)

673 municipalities > 76 % served (513)

Passengers:

Brno 361 mil

Region

Rail 25 mil

Buses 63 mil

other urban services 7 mil

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EVOLUTION of PUBLIC TRANSPORT in CZ

PUBLIC TRANSPORT in CZ

Accessibility for PRM (People with Reduced Mobility)



Rail

Praha



Plzen



Liberec



Started in mid-1990s
 Now: 40 % of Metro
 10-20 % of trams
 30-40 % of buses
 In small towns almost all buses
 Improvement on rail



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PROJECT DESCRIPTION

COST* Action TU0603:

Buses with a High Level of Service

Participating **countries**: BE, CZ, FR, DE, EL, IE, IT, NL, PT, RO, ES, SE, CH, UK, UITP

Project **duration**: 10/2007 – 10/2011

Main objective is to increase the public transport use by a better understanding of the BHLS concept and implementation, or in other words, to enhance sustainable mobility by developing new bus services within public transport networks to be able to fight or to compete with car use within Europe.

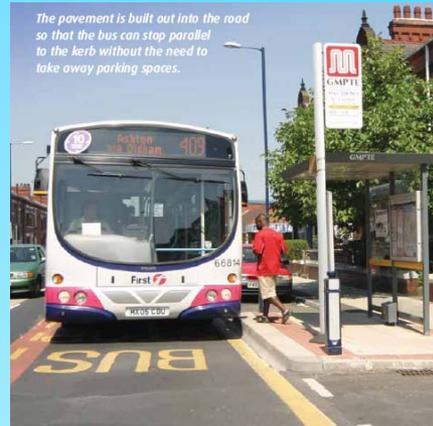
* **COST** is the *European Cooperation in Science and Technology inter-governmental programme supported by the EU since 1971*

BHLS (BRT) CATEGORIES

FULL – HEAVY – LITE – Improved Bus Lines

	F	L	I		F	L	I		F	L	I
Automatic Vehicle Monitoring	+	+	+	Guidance	+			Branding – identification	+	+	
Information on board	+	+	+	Own “track”	+				+		
Information at stops	+	+	+	Dedicated lanes	+	+	+	Hierarchised services	+	+	+
Ticketing at stops	+	+	+	Priority at junctions	+	+	+		+	+	
Shelters at stops	+	+	+	Passengers counting	+	+	+	Service span (all day)	+	+	+
Accessible vehicles	+	+	+	Enforcement + security	+	+	+		+	+	
	+	+			+			Frequency	+	+	+

EU PROJECT COST TU0603 BUSES WITH HIGH LEVEL OF SERVICE SOLUTIONS



Zuidtangent – Essen



Manchester – Praha



Brussel – Madrid VAO

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THANK YOU FOR YOUR ATTENTION

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SOURCES:

COST TU0603: www.bhls.eu

EU: http://ec.europa.eu/transport/index_en.htm **CZ:** www.sydos.cz

PRAGUE: www.tsk-praha.cz, www.ropid.cz **BRNO:** www.idsjmk.cz

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