

	Brno	Bratislava	Zagreb	Dublin	Sofia	Lisbon
mio. inhabitants town	385	450	900	1200	1240	550
urban area	1000	1000	1000	1600		2800
Question 1: Is there any interest in "clean" busses in your area?						
CNG						
Trolley						
Bio-diesel						
Hybrid						
Electrical						
Other						hydrogen
Some benchmarks Diesel						
Number of vehicles (midi/standard/articulated)	0 / 219 / 76	33 / 97 / 171	7 / 171 / 129	50 / 1100 / 20	0 / 230 / 349	40 / 588 / 90
Low floor vehicles (%)	17	0.5	65	70	11.7	26
Age of vehicles (avg/max)	7,1 / 19	11 / 15	11 / 22	6 / 12	13,5 / 24	6,5 / 25
Avg. distance per vehicle (vehicle-km per day)	165	240		170	264	250
(vehicle-km per year)	60,000	60,000	80,000	54,000	67,000	49,950
Avg. distance between refueling (km)	165	250	350	170	264	440
Frequency of refuelings (per day)	1	1	1	1	1	1
Average of operational costs (€ per vehicle-km)	1.42	1,6...2,5				
Some benchmarks CNG						
Number of vehicles (midi/standard/articulated)		0 / 64 / 97			0 / 28 / 48	0 / 40 / 0
Low floor vehicles (%)		3.5			0	100
Age of vehicles (avg/max)		10 / 13			19 / 24	5 / 7
Avg. distance per vehicle (vehicle-km per day)		250			264	210
(vehicle-km per year)		60,000			67,000	62,850
Avg. distance between refueling (km)		250			1	1
Frequency of refuelings (per day)		1.6			264	
Average of operational costs (€ per vehicle-km)		1,6...2,4				
Some benchmarks Trolley						
Number of vehicles (midi/standard/articulated)	0 / 127 / 16	0 / 94 / 43			0 / 4 / 142	
Low floor vehicles (%)	36	5.1			5.6	
Age of vehicles (avg/max)	7,8 / 21	15 / 25			19 / 23	
Avg. distance per vehicle (vehicle-km per day)	115	120			262	
(vehicle-km per year)	42,000	43,700			65,000	
Average of operational costs (€ per vehicle-km)	1.71	2,0...3,3				
Some benchmarks Whole fleet						
Number of vehicles (midi/standard/articulated)	0 / 346 / 92	33 / 255 / 311	7 / 171 / 129	50 / 1100 / 20	0 / 262 / 539	40 / 628 / 90
Low floor vehicles (%)	23	5	65	70	11	30
Age of vehicles (avg/max)	7,3 / 21	13 / 25	11 / 22	6 / 12	17 / 24	5,6 / 25
Avg. distance per vehicle (vehicle-km per day)	149	190		170	264	170
(vehicle-km per year)	54,123	51,752	80,000	54,000	67,000	50,650
Average of operational costs (€ per vehicle-km)	1.52	1.7			0.99	
Question 2: What is the origin and the quality of your fuels?						
Question 3: Are there any kind of measures to reduce noise and even air pollution?						
CNG						
catalytic converter						
EURO norms		II...IV	IV with next delivery		III increasing share of fleet	III...IV (V)
isolations in fibres ceramics						
exhaust systems using dynamic filters						
Question 4: What is the strategy for renewal of busses?						
	change one depot (110 busses) to CNG in three years	more CNG	maybe biodiesel for some renewed busses	12 year replacement cycle	several new vehicles projects under EC funding	LCC
		recuperation of trolley				

Question 6: Is there any interest in "bi-articulated" busses?						
		maybe for trolleys				
Question 7: Dedicated infrastructure for busses?						
lanes						
onboard passenger information						
traffic lights						
wayside passenger information at stops						
others						intermittent bus lane
Question 8: Current project in improving bus-network?						
	extending of trolley lines in the future	trolley acceleration in crossings	COCS with passenger info system	400 km of bus priority infrastructure	route optimizations (demand related)	reduction of number of lines; increasing commercial speed; arrangement of stops and frequency; interfaches with metro
Question 9: Busses on demand?						
		useful as a feeder; very strong tool in rural areas	arranged for disabled people		arranged for disabled people	arranged for disabled people