



MOVE

Preparation for Establishment of Car Pooling Website in Bulgaria



IS THERE A PROBLEM?



CAN CARPOOLING PLAN IMPACT ENERGY CONSUMPTION?



IS MARKET CONDUCTIVE TO CARPOOLING SCHEME?



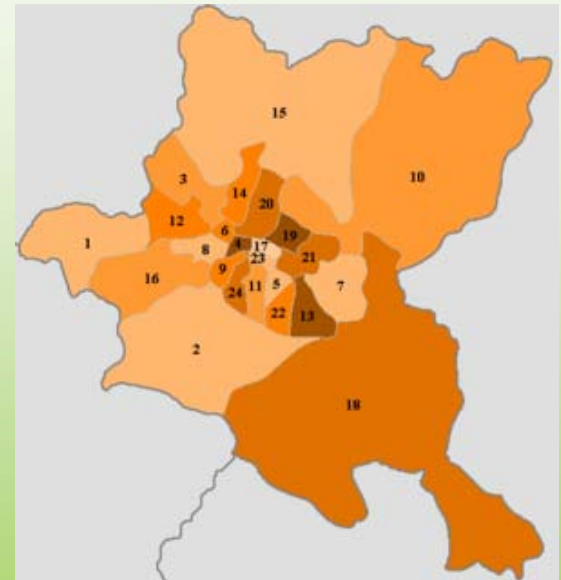
ARE POLITICAL AUTHORITIES WILLING TO SUPPORT SCHEME?



IS THERE FUNDING TO LAUNCH / MAINTAIN SCHEME?

Sofia

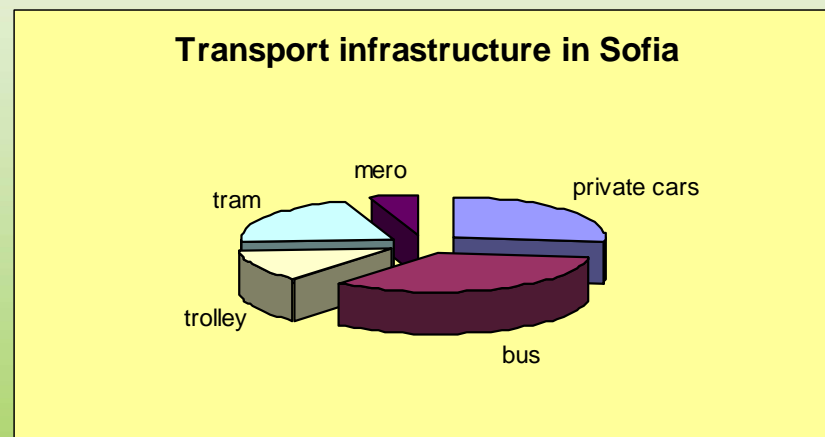
- Altitude: 550 m.
- Total area - 1,311 km²
- Population: 1.5 million
- Metropolitan area: 245.5 km²
- 24 political jurisdictions
- About 800 large-scale enterprises
- Area of transport infrastructure: 20.6 km²
- Density of first-rate road network: 2.54 km/km²





Transport infrastructure in Sofia

- Metro: 5 %
- Tram: 20% - 24%
- Trolley: 13% - 14%
- Bus: 30% - 40%
- Private cars: 27%





Autos in Sofia

- 1 million cars
- 670 cars / 1,000 inhabitants
- 300 000 cars enter city (including 5% in transit)
- > 50% of cars > 10 yrs. old, without catalytic converters
- Biggest user of energy and fuel (30%)
- Greatest air polluter with greenhouse gas and dust
- Car trips could grow to 45% of total by 2020



Problems related to transport

- Population expected to reach 2.5 million by 2020
- Flight to outlying neighborhoods: longer car trips
- Employers also starting to move from centre



Problems related to transport - II

- Infrastructure not well-developed
- Low density of first-rate roads
- Lack of dedicated lanes for trolleys, etc.
- Incomplete metro infrastructure
- Traffic jams
- Lack of parking spots



State of Sofia public transport

- Low road speed: average 19 km/h
- Long waits demotivate passengers
- Absolute dependence on road transport
- Crowded vehicles demotivate passengers
- Lack of bus schedule information boards
- Bad transfer from metro to other public transport
- Aging public transport fleet
- Ineffective management of public transport
- Low energy efficiency – passengers declining, costs rising
- Buses do not use “clean” fuels



Results/ conclusions

- Low trust in public transport
- Ongoing reduction in percentage of passengers using public transport: 15% in last six years
- 74% would use own cars even if price of petrol rises
- 76% are not motivated to use public transport even if there is parking near bus stop and fares paid to city centre



Our Project – Web site development for carpooling in Sofia

- 500,000 people go to work by vehicle every day
- 27% travel alone by car
- Average worker travels 40 km daily
- Fuel usage: 10 liters / 100 km X 270 work days yearly