



# Hungary's policy for reducing CO2 emissions in road transport

BART, István László  
Head of Secretariat  
Climate Change Secretariat  
Ministry of Economy and Transport  
Hungary

Amsterdam

20 October 2004.



**Gazdasági és  
Közlekedési**  
Minisztérium



## Basic Figures

Number of cars per capita (/1000 persons)

Hungary: **233**                      EU 15:        **469**

*Hungary is last in EU 25*

Passenger km's /person (pkm/person)

Hungary: **7 100**                      EU 15:        **10 900**

*car/bus ratio is higher in Hungary*

Motorway network (km/100 persons):

Hungary:        **0,6**                      EU 15:        **1,3**





# Characteristics of the car fleet

## Average age of fleet

Hungary: 11 years

EU 15: 7.5

*Older than the EU average, but Hungary's is getting younger, EU's is getting older*

## Average CO2 emissions of new cars in 2003 (g/km)

Hungary: 158

EU 15:

*New cars are smaller than EU average (most popular: Suzuki - 1/6 of all new cars sold)*





## Trends

- **Growth of motorway network is stronger than in EU 15**  
(54% increase between 1990 and 2000, compared to the EU15's: 34%)
- **Number of cars increase at a higher rate**  
(24.6% increase between 1990 and 2000, compared to the EU15's: 19.3%)
- **New member states are climbing steeply on the car ownership/GDP curve**
- **Transport emissions in new member states are growing at an above average rate, but an ever younger fleet is to yield better emissions/pkm values**
- **Transport is shifting to cars from buses/rail**

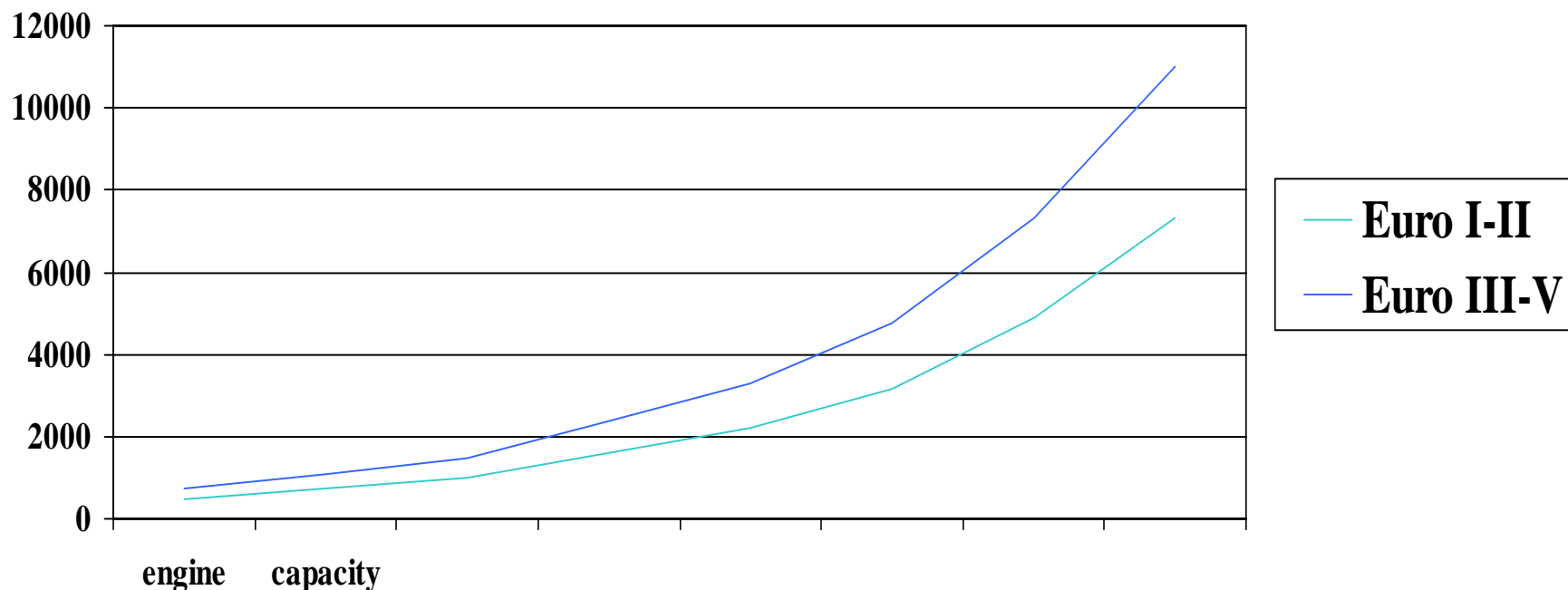




# policies that reduce CO2 emissions

No direct policies, only policies that result in CO2-reductions

## 1. Registration Tax for motor vehicles one-off payment, introduced in 2003





# Registration Tax Rates

capacity classes	Euro I-II	Euro III-V
below 1100 cm <sup>3</sup> (petrol) below 1300 cm <sup>3</sup> (diesel)	<b>488</b>	<b>732</b>
1100-1400 cm <sup>3</sup> (petrol) 1300-1500 cm <sup>3</sup> (diesel)	<b>732</b>	<b>1100</b>
1400-1600 cm <sup>3</sup> (petrol) 1500-1700 cm <sup>3</sup> (diesel)	<b>976</b>	<b>1464</b>
1600-1800 cm <sup>3</sup> (petrol) 1700-2000 cm <sup>3</sup> (diesel)	<b>1586</b>	<b>2380</b>
1800-2000 cm <sup>3</sup> (petrol) 2000-2500 cm <sup>3</sup> (diesel)	<b>2200</b>	<b>3300</b>
2000-2500 cm <sup>3</sup> (petrol) 2500-3000 cm <sup>3</sup> (diesel)	<b>3172</b>	<b>4760</b>
2500-3000 cm <sup>3</sup> (petrol) 3000-3500 cm <sup>3</sup> (diesel)	<b>4880</b>	<b>7320</b>
above 3000 cm <sup>3</sup> (petrol) above 3500 cm <sup>3</sup> (diesel)	<b>7320</b>	<b>11 000</b>





## 2. **Weight Tax**

to be paid annually

EUR 5 after every 100 kg of the car's weight

Discounts:

20% for EURO 2, catalisators,

30% for EURO 3,

50% for electric, hydrogen and gas powered vehicles

10-20% for freight in combined transport





### 3. Fuel Excise

Rates depend on environmental qualities (lead and sulphur content)

Discount on LNG, No excise on biodiesel

#### Fuel Prices in EUR

Country	95-ös unleaded	diesel
<b>HUNGARY</b>	<b>1</b>	<b>0.92</b>
Austria	0,96	0,83
Slovakia	0,9	0,88
Romania	0,79	0,73
Serbia-M	0,77	0,64
Croatia	1,04	0,91
Slovenia	0.86	0,81





## 4. Motorway Tolls

Single ticket for all motorways, except Budapest-Szeged

Rates (in EUR):

	4 days	10 days	31 days	Annual
under 3.5 t	4 (summer: 5)	8	13.8	124
3,5 t - 7 t	-	22.3	40.6	358
over 7 t	-	34.5	60	529

by comparison: annual vignette costs for a passenger car ,  
Slovakia 18.7 EUR                      Czech Rep: 34.7 EUR,  
Austria: 83 EUR





**Thank you for your attention!**

**bart@gkm.hu**



**Gazdasági és  
Közlekedési  
Minisztérium**