

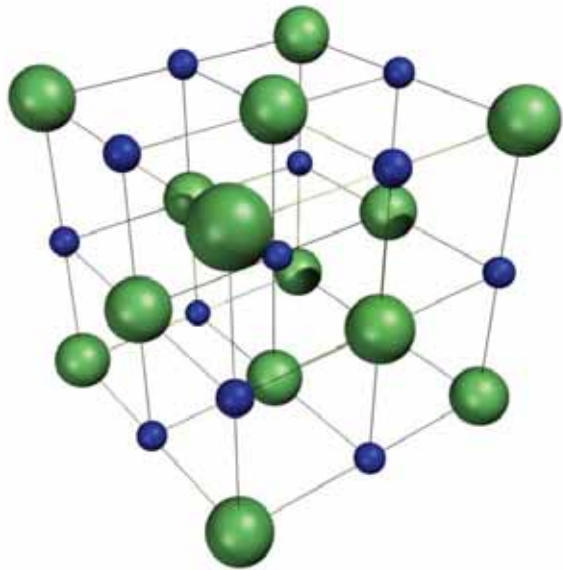


First experiences of the Hungarian e-toll system

Péter Lakatos Ph.D –
lakatos@t-online.hu

Gyöngyi Németh –
gyongyinemeth91@gmail.com

Structure



1. Introduction
2. E-Toll in Hungary
3. Effects
4. Summary

A white semi-truck with a long trailer is shown from a side profile, driving on a road. The truck is white with a large white trailer. The background is a bright, hazy sky. The word "INTRODUCTION" is overlaid in large, black, sans-serif capital letters on the side of the trailer.

INTRODUCTION

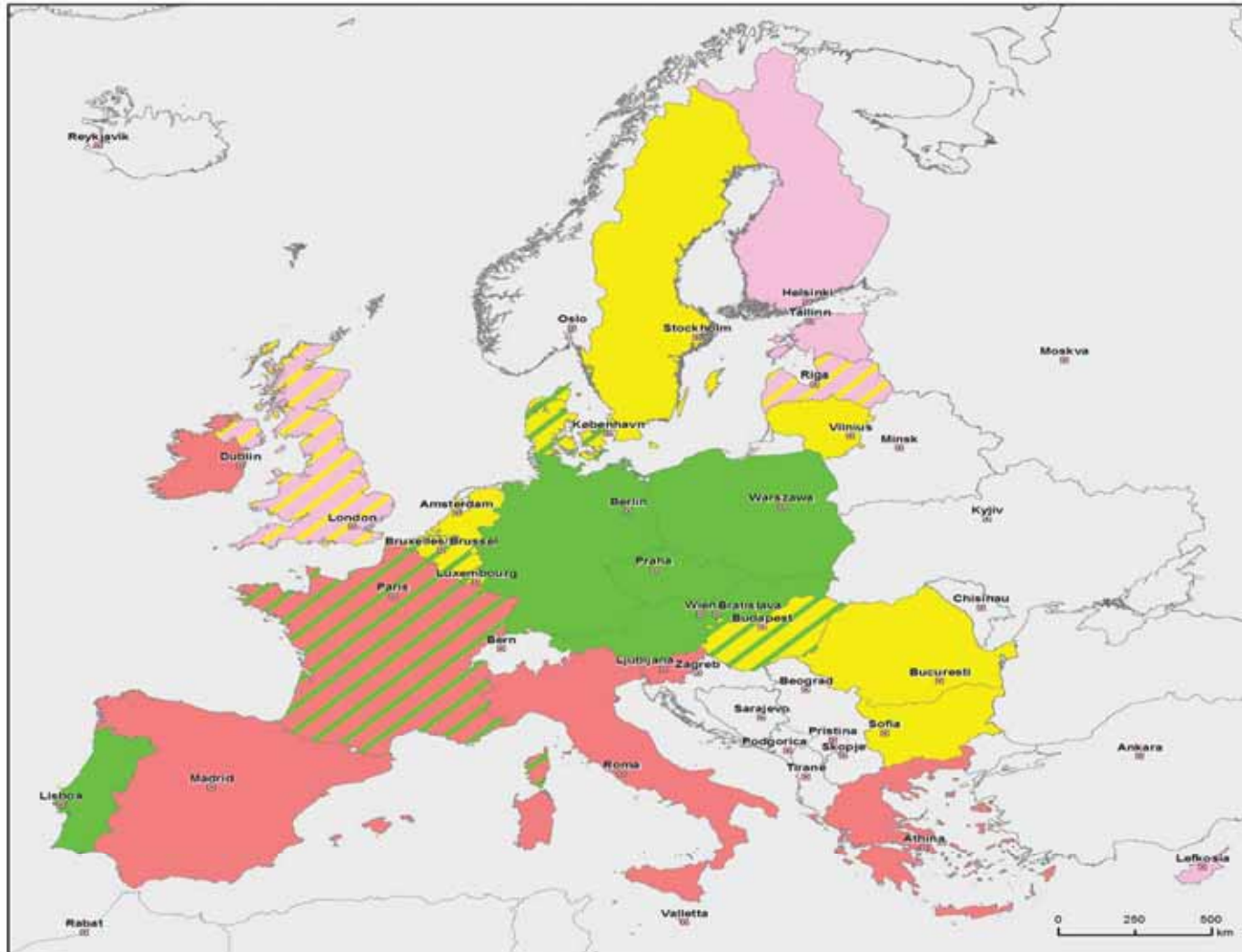
Introduction - Background



- Common Transport Policy of the European Union
- White Papers
- Directives
 - Directive 1999/62/EC
 - as modified by Directive 2006/38/EC and by Directive 2011/76/EU
 - common rules on distance-related tolls and time-based user charges (vignettes) for heavy goods vehicles (above 3.5 tonnes) for the use of certain infrastructure.

CHARGING OF HEAVY GOODS VEHICLES IN THE EU

Directive 1999/62/EC as amended by Directive 2006/38/EC and Directive 2011/76/EU



Legend

-  Vignette (time-based charge)
-  Electronic network-wide toll (distance-based charge)
-  Toll with physical barriers (distance-based charge)
-  Neither vignettes nor tolls
-  Vignette (time-based charge) under preparation
-  Electronic network-wide toll (distance-based charge) under preparation

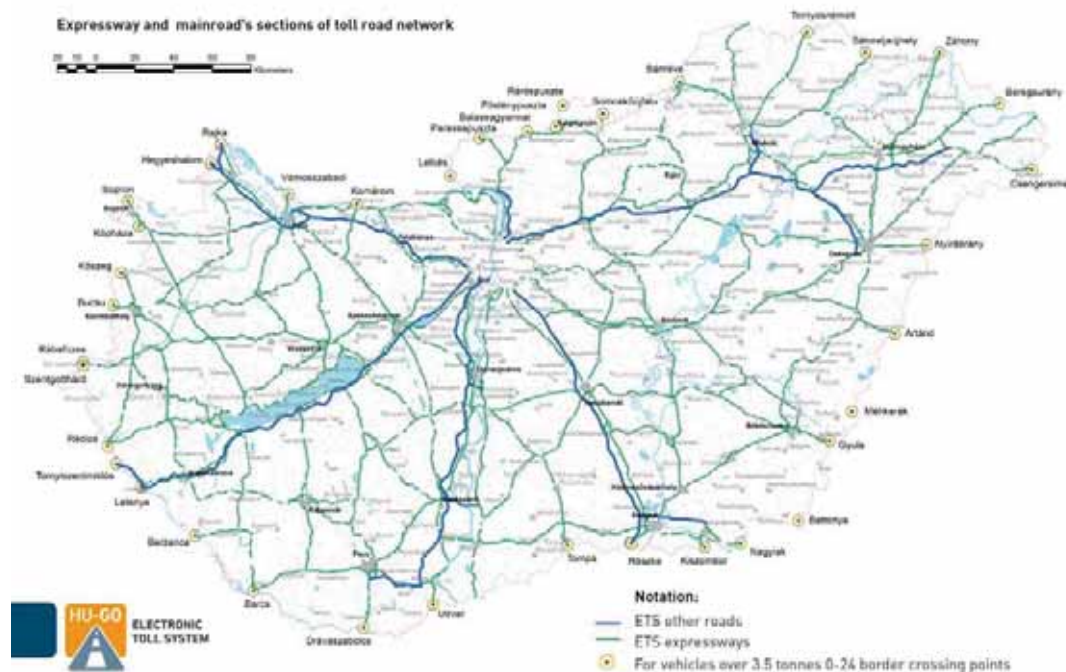


**ELECTRONIC
TOLL SYSTEM**

ELECTRONIC TOLL IN HUNGARY

Basic data

- 1st July, 2013
- Short time to prepare
- One of the most extended tolls in Europe
- 6,513 km
 - Motorway
 - Roads
 - Tertiary roads



Comparison

AT

2004

DSRC

2200 km

SK

2010

GPS + route
ticket

2371 km

HU

2013

GPS + route
ticket

6315 km

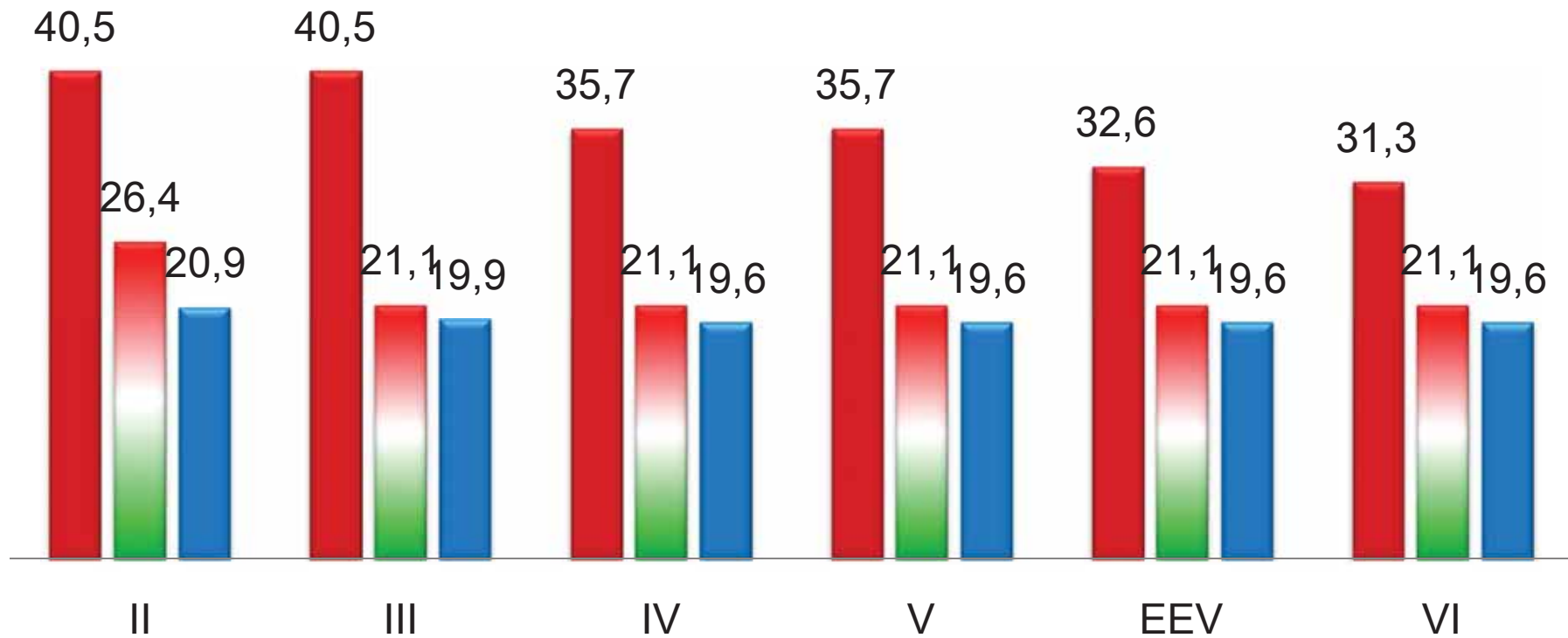
Categories & Fees

J2 category	Heavy goods vehicle with a maximum total permissible weight over 3.5 tons and with 2 axles
J3 category	~ with 3 axles
J4 category	~ with 4 or more axles

	J2 category		J3 category		J4 category	
Category of road	Expressway	Main route	Expressway	Main route	Expressway	Main route
A ≥ EURO III	42.42	18.05	59.52	31.24	86.70	54.08
B = EURO II	49.90	21.23	70.02	36.75	108.38	67.60
C ≤ EURO I	57.39	24.41	80.52	42.26	130.06	81.12

Motorway, 4 Axles (in net Eurocents)

■ AT ■ HU ■ SK



To be taken into account..

The length of the road which you have to pay for

The road network system: tariffs should be paid only on motorways, main roads...;

The quality of the road network;

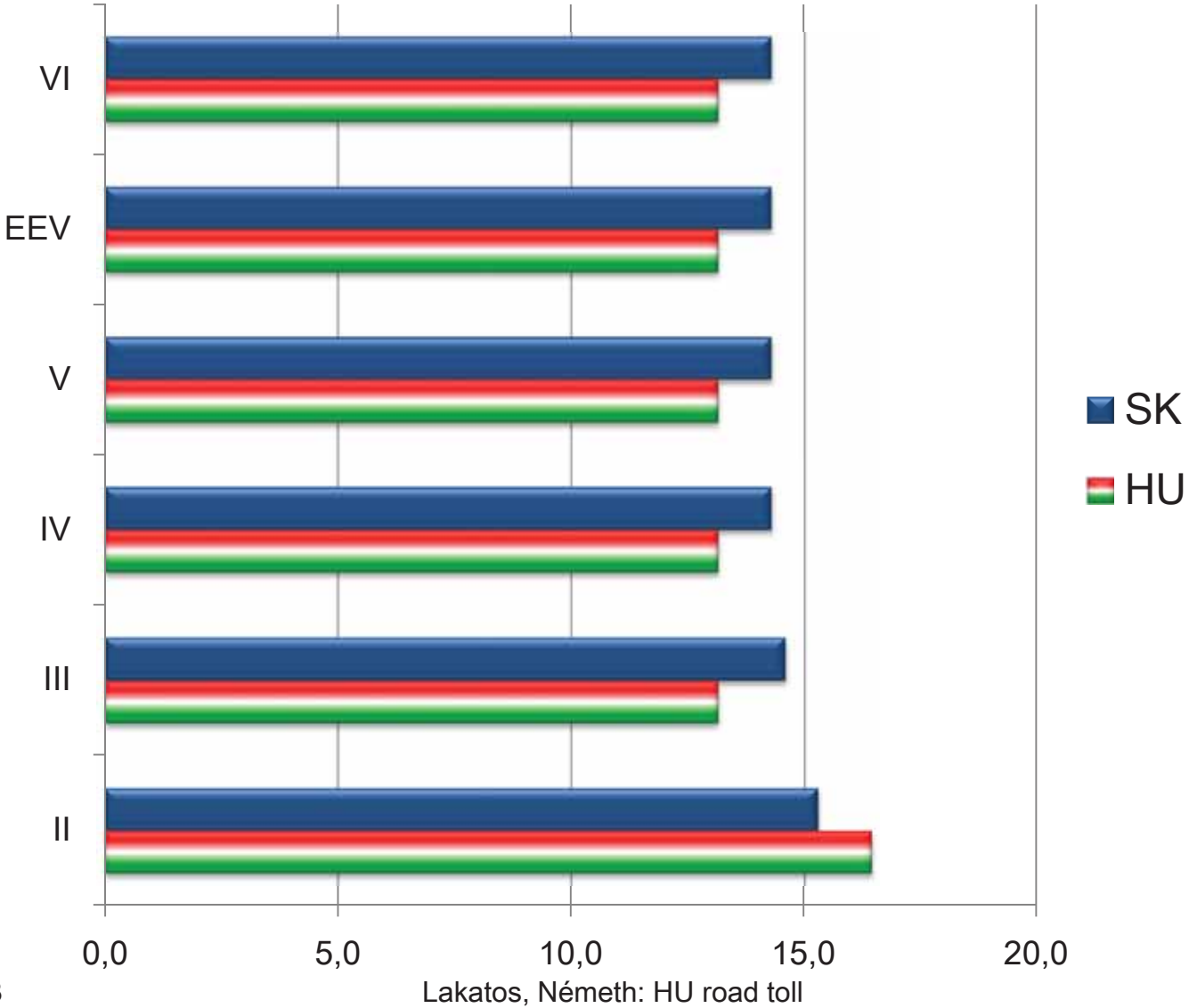
The average age of the vehicles;

If the VAT could be refunded or not;

The substitution possibilities

- (by finding new routes),
- etc.

Main road, 4 Axles (in net Eurocents)





EFFECTS & EXPERIENCES

05/11/2013

Lakatos, Németh: HU road toll

13

Firms



Firms

Own account firms



Haulers

- Outsourcing
- Rented vehicles selling the fleet,
- Keeping some of the trucks and involve haulers

- Have to pay right away
- 30-60 days payment terms
- KAVOSZ loan – special help for carriers
- Inland: old vehicles

State



05/11/2013

Lakatos, Németh: HU road toll

16

State

- Aims:

- 75 billion HUF/ €
250 million by the end of
2013
- Road congestion
- Promoting competitiveness
of Hungarian carriers



46 billion
HUF/154 million
€ so far



Less carriers,
but more traffic
in different areas



High costs

Consumers



Consumers

- CPI
- Inflation
- Meat and milk market
- Etc.





SUMMARY



A green rectangular sign with rounded corners and a white border is mounted on two wooden posts. The sign features the words "Thank You" in a large, white, sans-serif font. The background is a bright blue sky filled with numerous white, fluffy clouds. The sign is positioned in the lower-left quadrant of the frame, angled slightly upwards.

Thank You