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# European Road Statistics 2007



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Brussels Programme Centre



## European Road Statistics 2007

# The Voice of the European Road

The European Union Road Federation (ERF), the Brussels Programme Centre of International Road Federation (IRF), is a non-profit association which coordinates the views of Europe's road sector and acts as a platform for dialogue and research on mobility issues. As the **"Voice of the European Road"**, the ERF - IRF BPC promotes knowledge of the road sector through research, information services, and a permanent dialogue with all stakeholders.

- > ERF - IRF BPC believes roads are an undeniable source of socio-economic wealth
- > ERF - IRF BPC believes poor road infrastructure is a determining factor in the causes and consequences of road accidents
- > ERF - IRF BPC is committed to making a contribution to environmental policy through innovative, market friendly proposals
- > ERF - IRF BPC is in favour of a fair deal for motorists and stable funding mechanisms for Europe's road network
- > ERF - IRF BPC believes users should be placed at the heart of Europe's transport policy

# Foreword

The ERF - IRF BPC is delighted to present you with the 2007 edition of the European Road Statistics, the annual publication which has become the reference source of information on the road transport sector and an indispensable tool for policy makers and industry representatives alike.

As transport reinforces its position at the heart the economy, it is of paramount importance for all stakeholders involved in the debate to base their positions on solid facts. The sixth edition of the European Road Statistics aims at delivering factual information to expose the true extent and value of the European road sector.

We are confident that you will find this publication both informative and enlightening.

The ERF - IRF BPC Team  
June 2007

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# Symbols & Abbreviations

EU 27	EU 15	AT - Austria BE - Belgium DE - Germany DK - Denmark EL - Greece ES - Spain FI - Finland FR - France IE - Ireland IT - Italy LU - Luxembourg NL - The Netherlands PT - Portugal SE - Sweden UK - United Kingdom
	EU 12	BG - Bulgaria CY - Cyprus CZ - Czech Republic EE - Estonia HU - Hungary LT - Lithuania LV - Latvia MT - Malta PL - Poland RO - Romania SI - Slovenia SK - Slovakia

EU Candidates (CC)		HR - Croatia TR - Turkey
EFTA	EAA	IS - Iceland LI - Liechtenstein NO - Norway
		CH - Switzerland
Other abbreviations		EU - European Union EUR - Euro EEA - European Environment Agency Bn - Billion (thousand million) IEA - International Energy Agency GDP - Gross Domestic Product pkm - Passenger-kilometre tkm - Tonne-kilometre toe - Tonne of oil equivalent n.a. - Data not available

# General Data

## 1.1 Economic importance of road transport in EU 25 - 2005\*

	Turnover (EUR bn)	Value Added (EUR bn)**	Employment (million people)	Employment (% of total)**
Automotive Manufacturing (Motor Vehicles, Trailers, Semi-Trailers, Powered two-wheelers and Bicycles)	749	130.4	3.05	1.03
Motor Parts Manufacturing, Accessories, Maintenance, Repair and Sale of Motor Vehicles, Parts and Accessories	959.64	129.57	3.37	1.14
Fuel Retail	141	11.59	0.44	0.1
Road Transport (Freight Transport, Public Transport, Own Account)	310	130	4.2	1.4
Road Construction and Maintenance	115.2	39.7	3.8	0.4
Motorway Operators	15.57	2.86	0.07	0.02
<b>Total Road Sector</b>	<b>2,290.41</b>	<b>444.08</b>	<b>14.93</b>	<b>5.07</b>

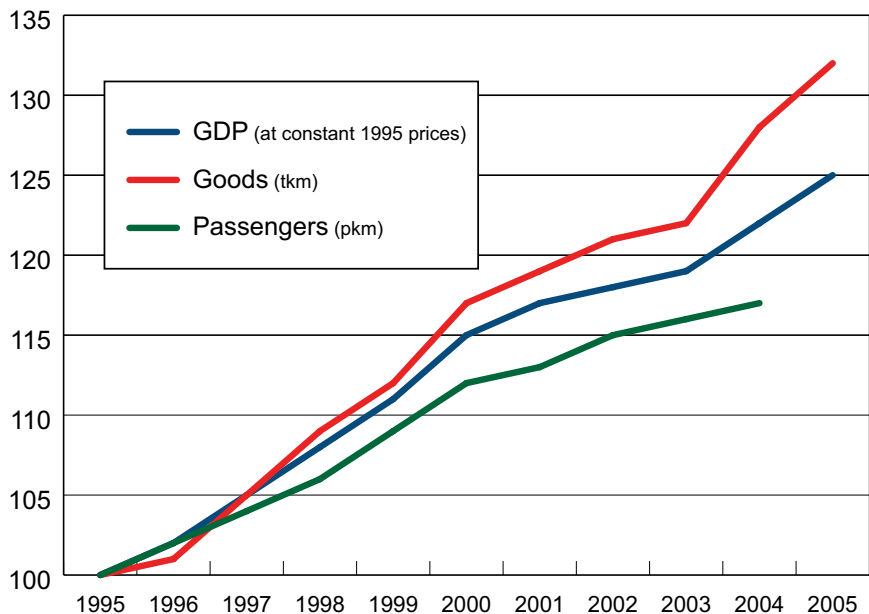
Source: Eurostat, Industry, ERF, IRF.

\* This data does not take into account the auto-consumption within large companies and SME. Nor do they reflect indirect level of employment resulting from roads in sectors such as insurance and logistics.

\*\* EU 25 GDP and Employment in 2005: € 10,379 billion and 294 million people respectively.

\*\*\* Value Added = turnover + capitalised production + other operating income +/- the changes in stocks - the purchases of goods and services - other taxes on products which are linked to turnover but not deductible - the duties and taxes linked to production.

## 1.2 Transport growth in EU 25, evolution 1995-2005



Source: European Commission.

## 1.3 Annual growth rates EU 25 (% change)

	1995 - 2005	2004 - 2005
GDP (real growth)	2.3	1.7
Passenger transport	1.8	1.8*
Freight transport	2.8	2.2

Source: European Commission.

\* 2003 - 2004.

## 1.4 Employment in inland transport in EU 25 - 2004 (thousand)

	Road freight transport	Road passenger transport	Railway	Inland waterways	Travel agencies & tour operators	Other* auxiliary transport activities
BE	63,172	32,849	40,000	778	7,977	41,713
CZ	102,569	47,732	78,500	816	13,253	28,472
DK	39,085	30,500	8,619	120	5,778	25,291
DE	284,527	288,945	82,627	8,803	61,373	440,351
EE	12,589	6,000	3,897	111	1,697	9,191
EL	50,000	65,000	8,900	50	15,000	30,000
ES	364,949	164,787	36,377	224	50,868	159,847
FR	346,082	214,329	176,000	3,468	41,249	257,957
IE	16,175	9,131	5,656	50	5,472	15,108
IT	331,597	144,522	69,164	2,813	43,363	294,919
CY	2,559	2,141	0	0	2,584	4,921
LV	14,161	15,213	15,401	15	1,647	17,315
LT	27,716	19,384	11,500	134	1,958	11,999
LU	7,411	2,205	3,149	40	669	1,941
HU	69,065	55,038	52,776	1,304	6,014	23,416
MT	811	1,473	0	0	1,771	3,317
NL	119,179	55,019	22,750	12,213	22,670	69,074
AT	58,572	44,013	46,931	337	12,187	28,615
PL	199,578	149,811	124,139	1,224	18,679	65,285
PT	58,565	36,700	4,953	917	8,276	31,251
SI	17,891	4,890	8,228	50	2,318	6,500
SK	9,595	16,410	39,000	750	2,093	6,636
FI	38,666	24,137	8,402	225	4,980	21,821
SE	67,233	57,227	8,556	1,090	12,052	46,120
UK	298,912	213,535	56,278	1,214	134,752	284,490
<b>total EU 25</b>	<b>2,600,659</b>	<b>1,700,991</b>	<b>911,803</b>	<b>36,746</b>	<b>478,680</b>	<b>1,925,550</b>
BG	45,000	46,788	21,000	1,135	5,501	34,941
RO	64,007	77,815	49,000	4,121	6,408	35,511

Source: Eurostat.

\* Cargo handling and storage, other supporting activities, activities of other transport agencies.

Note: figures in italics are estimates.

LU: 2003 MT: 2002.

Note: the above figures refer to employment in companies whose main activity lies in the mode concerned.

# Road Network

## 2.1 Length of total road network by category and country - 2004 (thousand km)

	BE	CZ	DK	DE	EE	EL	ES	FR
Motorways	1.7	0.6	1.0	12.2	0.1	0.9	11.4	12.0
National Roads	12.6	20.7	0.6	41.0	4.0	9.2	18.3	26.6
Secondary or Regional	1.3	48.8	10.0	178.3	12.4	31.3	70.7	359.6
Other Roads	134.9	72.3	60.9	413.0	40.3	75.6	280.6	604.3
<b>Total</b>	<b>150.6</b>	<b>142.4</b>	<b>72.6</b>	<b>644.4</b>	<b>56.9</b>	<b>117.0</b>	<b>381.0</b>	<b>1,002.6</b>

	IE	IT	CY	LV	LT	LU	HU	MT
Motorways	0.2	6.6	0.3	1.6	0.4	0.1	0.5	n.a.
National Roads	5.3	46.0	5.4	7.0	1.3	0.8	30.5	0.2
Secondary or Regional	11.6	119.9	2.6	13.4	19.6	1.9	53.7	0.2
Other Roads	79.4	312.1	3.6	49.4	57.6	2.3	75.9	2.1
<b>Total</b>	<b>96.5</b>	<b>484.7</b>	<b>11.8</b>	<b>71.3</b>	<b>78.9</b>	<b>5.2</b>	<b>160.8</b>	<b>2.4</b>

	NL	AT	PL	PT	SI	SK	FI	SE
Motorways	2.5	2.1	0.5	2.0	0.5	0.3	0.7	1.6
National Roads	6.7	10.3	18.3	12.0	1.1	3.3	13.0	15.4
Secondary or Regional	57.5	23.7	28.4	4.5	4.8	3.8	65.0	82.9
Other Roads	59.4	98.0	377.3	63.9	32.1	35.6	25.4	220.0
<b>Total</b>	<b>126.1</b>	<b>134.1</b>	<b>424.4</b>	<b>82.4</b>	<b>38.4</b>	<b>43.1</b>	<b>104.1</b>	<b>319.9</b>

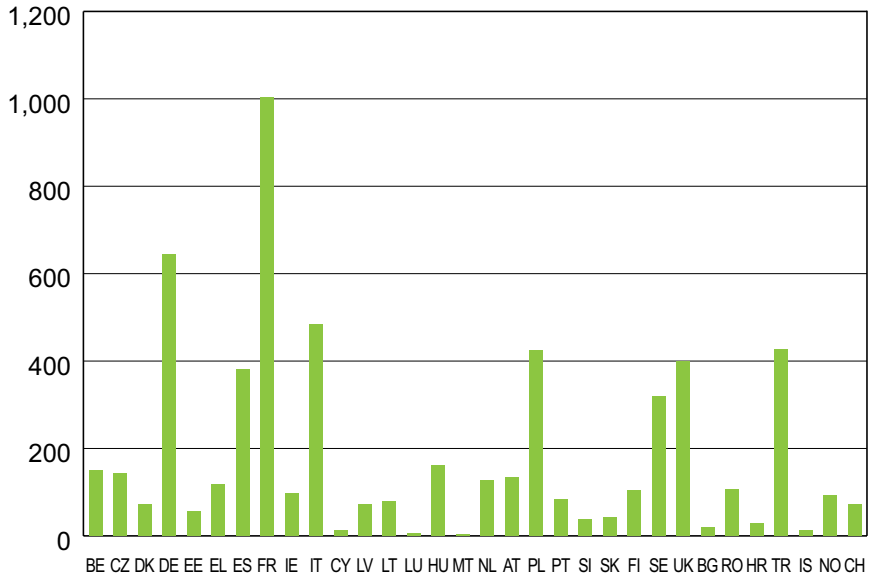
Source: European Commission, IRF, UN, National Road Associations.

	UK	TOTAL EU 25	BG	RO	TOTAL EU 27	HR	TR
Motorways	3.6	63.4	0.3	0.1	63.8	0.7	1.9
National Roads	48.2	357.8	3.0	15.0	375.8	6.7	31.4
Secondary or Regional	113.1	1,319.1	4.0	63.7	1,386.8	10.5	30.4
Other Roads	235.0	3,411.0	12.0	27.8	3,450.8	10.4	363.2
<b>Total</b>	<b>399.9</b>	<b>5,151.3</b>	<b>19.3</b>	<b>106.6</b>	<b>5,277.2</b>	<b>28.3</b>	<b>426.8</b>

	IS	NO	CH
Motorways	n.a.	0.2	1.7
National Roads	4.3	26.9	0.4
Secondary or Regional	3.9	27.2	18.1
Other Roads	4.8	37.7	51.4
<b>Total</b>	<b>13.0</b>	<b>92.0</b>	<b>71.6</b>

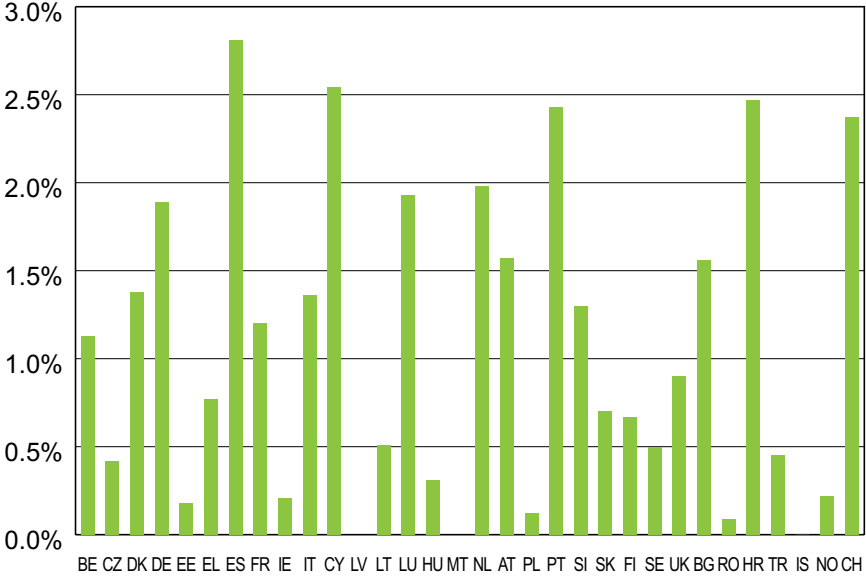
Source: European Commission, IRF, UN, National Road Associations.

## 2.2 Length of total road network by country - 2004 (thousand km)



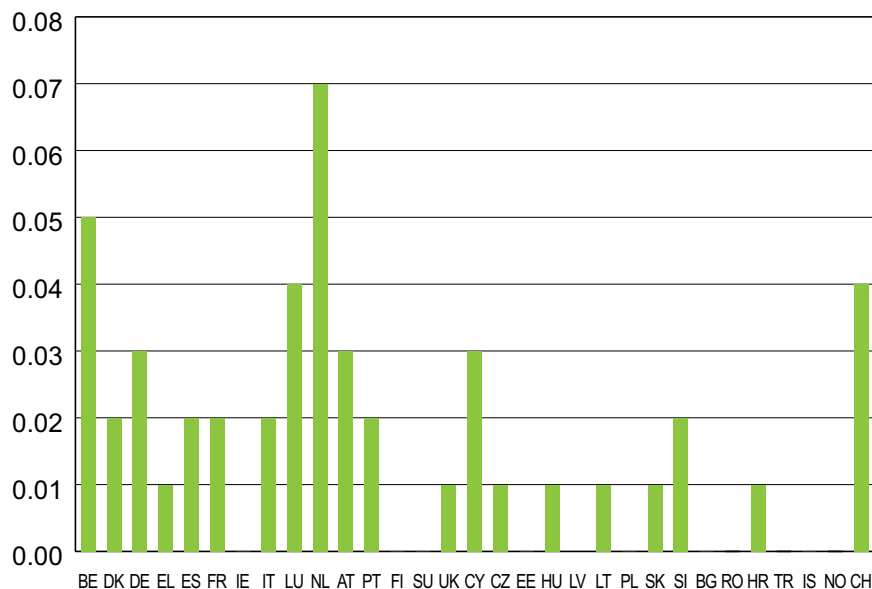
Source: European Commission, IRF, UN, National Road Associations.

### 2.3 Proportion of motorways compared to the total road network - 2004



Source: European Commission, IRF, UN, National Road Associations.

## 2.4 Density of motorways – 2004 (1,000 km per 1,000 km<sup>2</sup>)



Source: European Commission, IRF, UN, National Road Associations.

## 2.5 Transport network comparison between EU 25, USA, Japan, Russia and China - 2004 (thousand km)

	EU 25	USA	Japan*	China	Russia
Road network	5,088	6,433	1,177	1,871	546.4
Motorway network	63.4	91	7.2	34.3	29
Railway network	197.9	205.6	23.7	74.4	85

Source: European Commission, IRF, national statistics.

\* 2003 data.

# Infrastructure Financing

## 3.1 Toll revenues - 2005-2006 (EUR million)\*

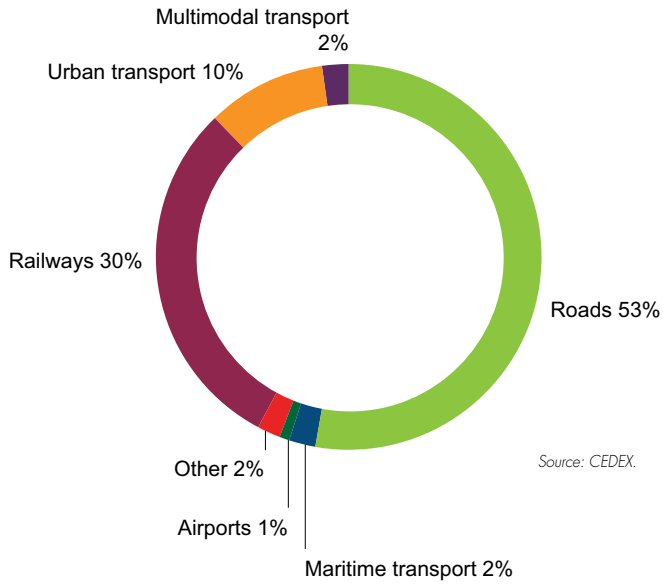
Country	2005	2006
BE	46	49.6
DK	385.4	385
EL	117	154
ES	1,755	1,677.4
FR	6,100	6,406.6
IT	3,954	4,071.24
NL	21.5	25.4
AT	1,159	1,192
PT	633.2	639.9
HU	5.7*	97.2**
SI	111.9	139.4
NO	428.4	362.4
HR	160.3	198.1

Source: ASECAP.

\* As from 12 March 2004 a vignette system entered into force in Hungary.

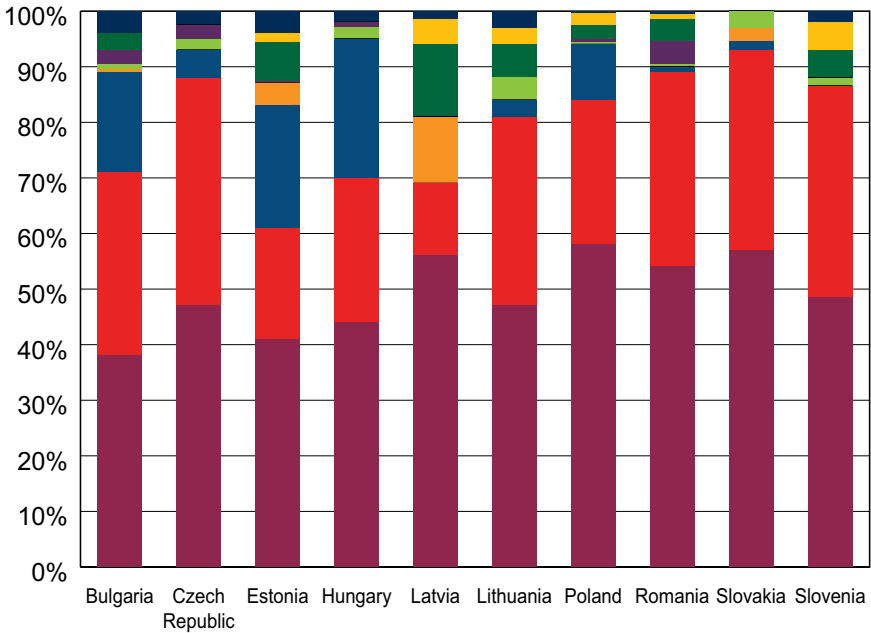
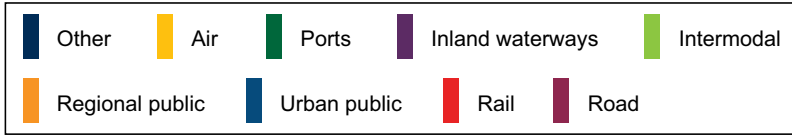
\*\* The revenue had been collected by AAK Zrt. On all motorways in Hungary.

### 3.2 Allocation of EU structural funds - 2007-2013 (EU 12)



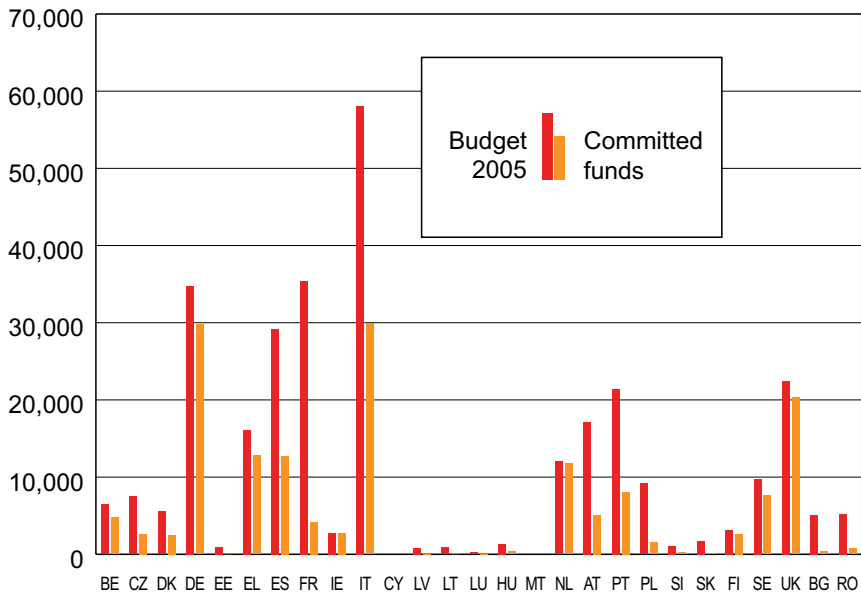
Source: CEDEX.

### 3.3 Comparison of EU structural funds allocation for transport - 2007-2013 (selected countries)



Source: European Commission, ERF.

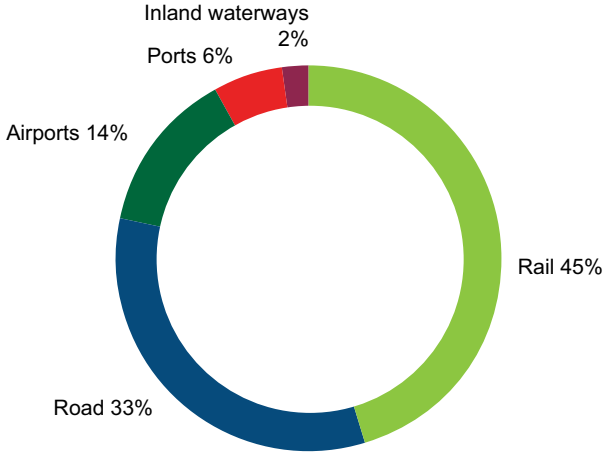
### 3.4 State of financing of TEN's Priority Transport Projects\* by country in 2005 (EUR million)



Source: FIEC, ERF.

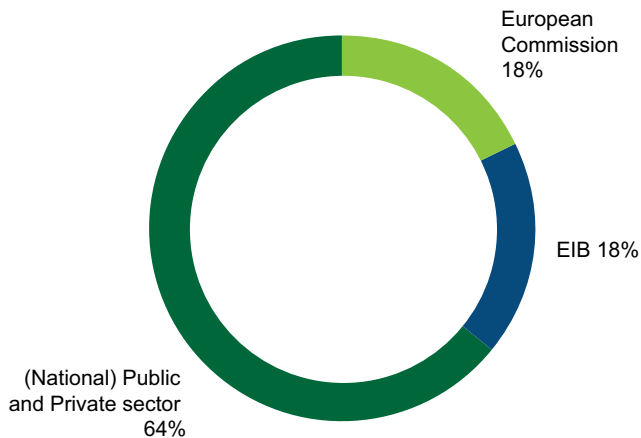
\* Without projects nr.: 15 (Galileo), 19 (High-speed rail interoperability on the Iberian Peninsula) and 21 (Motorways of the Sea).

### 3.5 Required investment breakdown per category 2007-2020 (remaining total TEN-T cost: EUR 520 billion)\*



Source: European Commission, Implementation study 2002-2003.  
\* Total estimated costs of TEN-T 1996-2020: EUR 860 billion.

### 3.6 Required investment in the Trans-European Road Network (TERN) between 2007-2020 - Breakdown by source



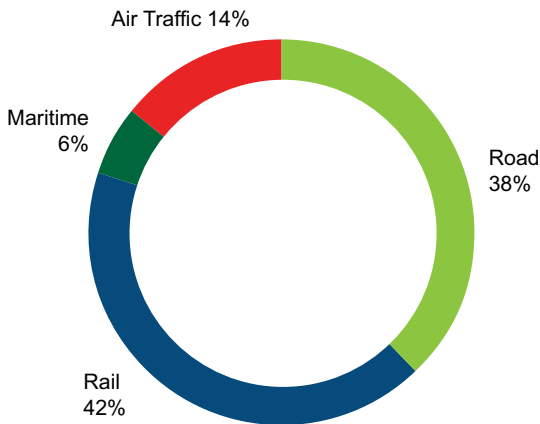
Source: European Commission, EIB.

### 3.7 European Investment Bank (EIB) loans to EU 15 - 2001-2005 (EUR million)

	2001	2002	2003	2004	2005	Total 2001-2005
Road	2,627	2,486	2,326	2,978	2,754	15,412
Air transport	1,014	2,082	1,174	2,079	1,279	8,264
Railways	1,648	2,474	2,594	3,262	3,356	13,848
Urban transport	1,618	1,771	2,755	2,367	4,862	13,809
Maritime transport	623	386	450	468	661	2,588
<b>TOTAL</b>	<b>7,530</b>	<b>9,199</b>	<b>9,299</b>	<b>11,154</b>	<b>12,912</b>	<b>53,921</b>

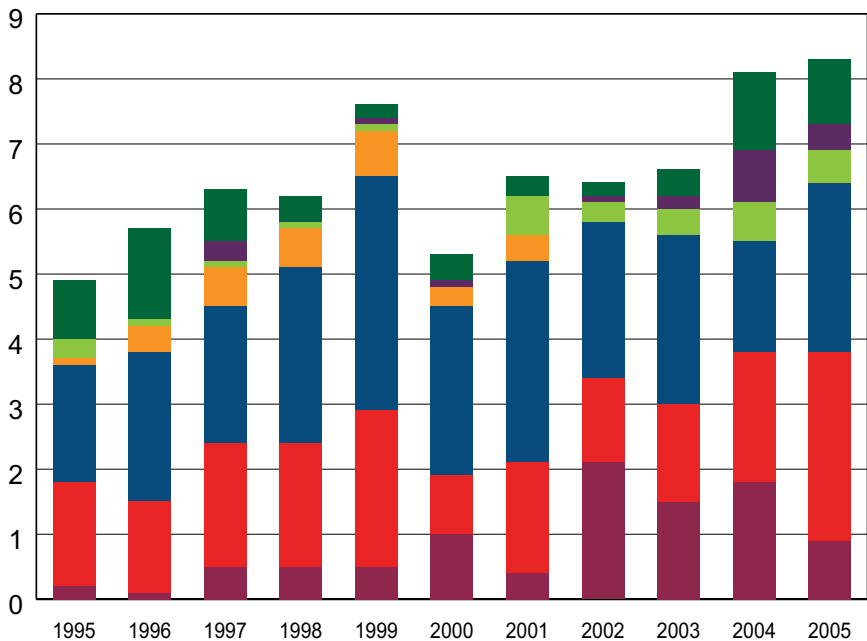
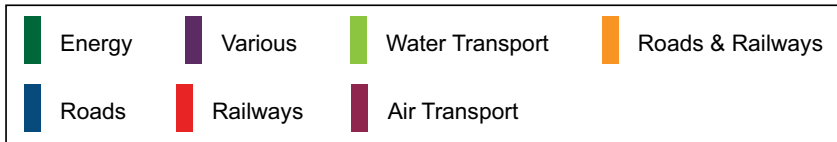
Source: EIB.

### 3.8 European Investment Bank (EIB) loans for transport TEN's to EU 25 in 2005 (total EUR 7.37 billion)



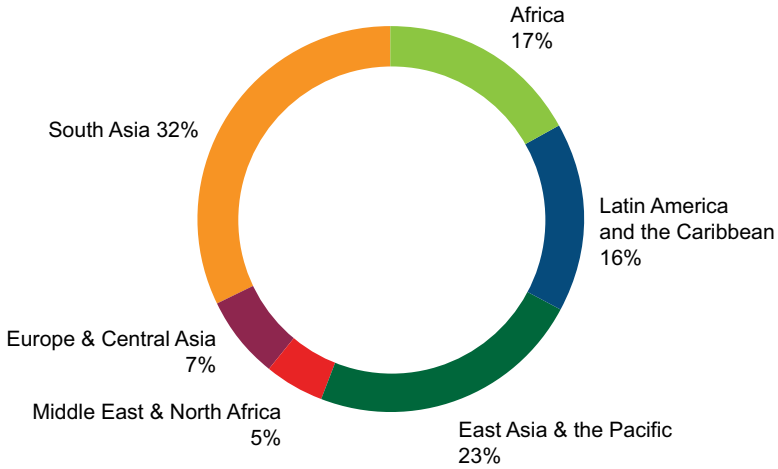
Source: EIB.

### 3.9 Annual EIB transport/energy TEN signatures (EUR billion)



Source: EIB.

### 3.10 Transport lending breakdown by region - 2001-2005



Source: World Bank.  
NB: Transport lending (10 years): USD 30.6 billion.

# Road Maintenance

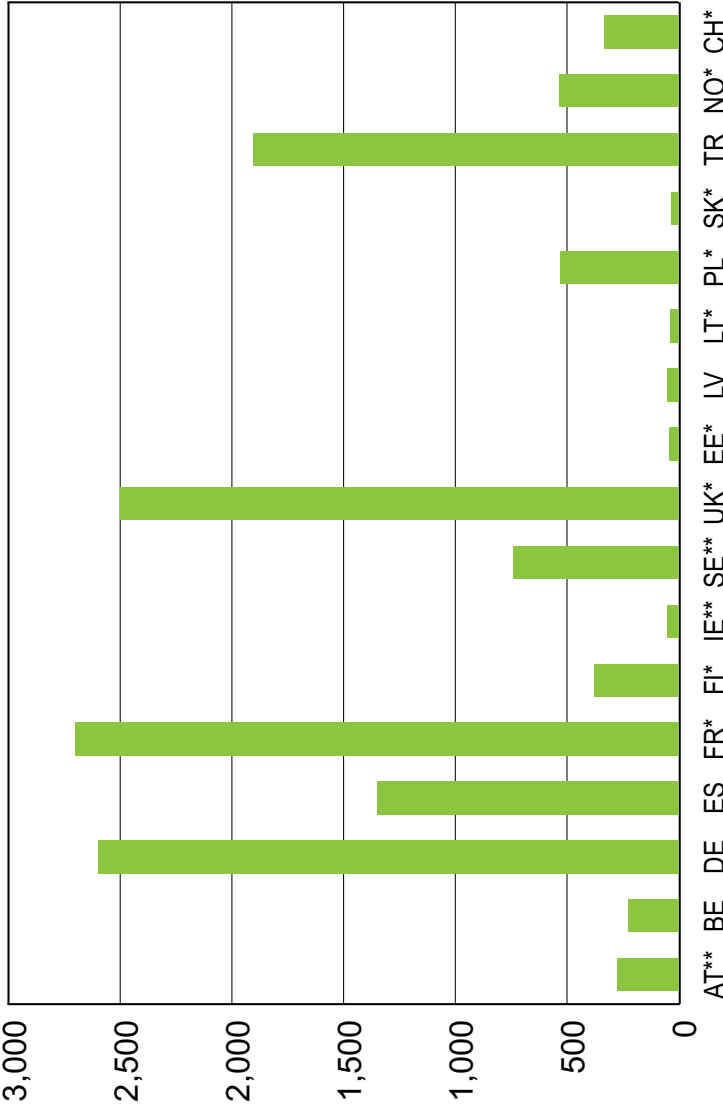
## 4.1 Road maintenance - Definition

Most European countries distinguish “regular” and “non-regular” costs of maintenance, but the expenditures included in each category differ from one country to another. In the Netherlands, for instance, the terms fixed and variable maintenance are applied, whilst structural and operational maintenance are the definitions in Austria, routine and periodic maintenance in Sweden and routine and special maintenance in Spain.

The European Commission proposes to apply the following distinction: “regular” costs aim at maintaining the functionality of existing infrastructure within its original lifetime (local repairs, like fixing cracks or potholes, winter maintenance, cleaning rest-places, maintaining grass areas, etc.). “Non-regular” costs are renewal expenditures prolonging the lifetime of the infrastructure without adding new functionalities (renewal of roadways and structures of bridges and tunnels, maintenance of road equipment, etc.).

*Source: European Commission.*

## 4.2 Investment in road maintenance in selected countries - 2005 (EUR million)



Source: National Road Associations, ERF.

\* 2006 Figures.

\*\* 2004 Figures.

### 4.3 Investment in road maintenance per km of road network in selected countries - 2005 (EUR per km)



Source: EIB.

\* 2006

\*\* 2004

### 4.4 Average lifetime for new infrastructure in EU 15 - 2006 (number of years)

Asset category	BE	DK	DE	EL	ES	FR	IE	IT	LU	NL	AT	PT	FI	SE	UK
<b>Roads</b>	65	50	100	65	60	50	80	40	35	67	40	52	40	75	
motorways	65	50	60	65	60		80		35	67			40		
national roads	65	50	56	65	60		80		35	67	40		40		
municipal roads	65	50	55	65	60		80		35	67	40		40		
<b>Bridges, tunnels</b>	65	50	70	100	65	60	50	80	40	35	67	40		40	

Source: European Commission.

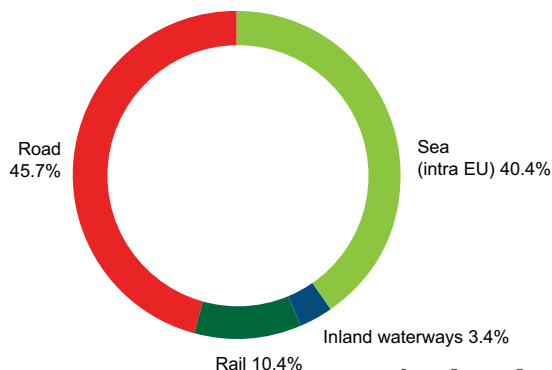
# Goods Transport

## 5.1 Transport of goods, performance by mode in EU 25 - 1995-2005 (billion tkm)

	Road	Rail	Inland waterways	Sea (intra EU)	Total
1995	1,248	358	120	1,133	2,859
1996	1,268	360	116	1,140	2,884
1997	1,317	380	124	1,193	3,014
1998	1,386	370	127	1,120	3,003
1999	1,444	258	127	1,270	3,099
2000	1,491	374	132	1,345	3,342
2001	1,521	359	130	1,388	3,398
2002	1,563	358	129	1,404	3,454
2003	1,575	364	120	1,435	3,494
2004	1,684	379	130	1,484	3,677
2005	1,725	392	130	1,525	3,772
Growth 2004-2005	2.4%	3.3%	0.0%	2.7%	2.1%

Source: European Commission.

## 5.2 Goods transport by mode in EU 25 - 2005 (% of tkm)



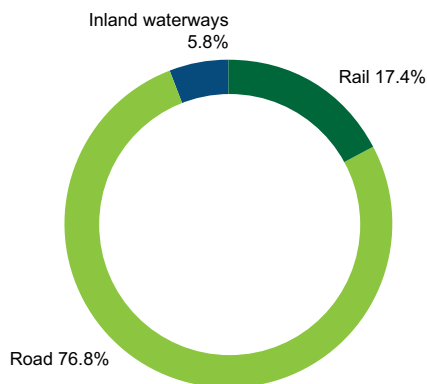
Source: European Commission.

### 5.3 Inland transport modal split in EU 25 - 1995-2005 (tkm in %)

	Road	Rail	Inland waterways
1995	72.3	20.7	7.0
1996	72.7	20.6	6.7
1997	72.3	20.9	6.8
1998	73.6	19.6	6.7
1999	79.0	14.1	6.9
2000	74.7	18.7	6.6
2001	75.7	17.9	6.5
2002	76.2	17.5	6.3
2003	76.5	17.7	5.8
2004	76.8	17.3	5.9
2005	76.8	17.4	5.8

Source: European Commission, ERF.

### 5.4 Inland transport modal split in EU 25 - 2005 (tkm in %)



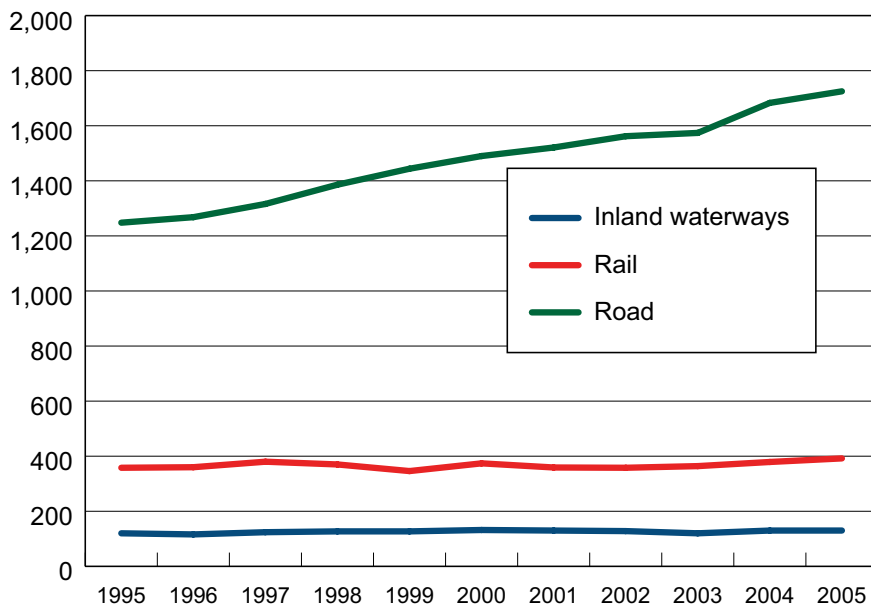
Source: European Commission, ERF.

## 5.5 Inland transport modal split by country - 2005 (tkm in %)

	Road	Rail	Inland waterways
BE	72%	14%	14%
DK	92%	8%	0
DE	66%	21%	13%
EL	97%	3%	0
ES	95%	5%	0
FR	80%	17%	3%
IE	98%	2%	0
IT	90%	10%	0
LU	92%	5%	3%
NL	66%	5%	29%
AT	64%	31%	5%
PT	95%	5%	0
FI	76%	24%	0
SE	64%	36%	0
UK	88%	12%	0
<b>EU 15</b>	<b>82%</b>	<b>13%</b>	<b>4%</b>
CY	100%	0	0
CZ	74%	25%	1%
EE	35%	65%	0
HU	69%	27%	4%
LV	30%	70%	0
LT	56%	44%	0
MT	100%	0	0
PL	69%	30%	1%
SK	70%	29%	1%
SI	77%	23%	0
<b>EU 25</b>	<b>77%</b>	<b>20%</b>	<b>3%</b>
BG	70%	27%	3%
RO	67%	27%	6%
<b>EU 27</b>	<b>76%</b>	<b>21%</b>	<b>3%</b>
HR	76%	22%	2%
TR	94%	6%	0

Source: European Commission, ERF.

## 5.6 Performance by mode for inland freight transport in EU 25 - 1995-2005 (billion tkm)



Source: European Commission.

## 5.7 Trends in inland freight transport in Europe - 2006

	GDP	Goods transport (tkm)		
		Total	Road	Rail
EU 25 + EFTA	2.7%	1.9 %	1.0 %	3.9 %
Russian Federation	6.6%	7.6 %	10.8 %	4.8 %
CIS	7.5%	7.0 %	8.1 %	3.2 %
South Eastern Europe	5.9%	13.0 %	20.0 %	2.0 %
Turkey	6.1 %	6.0 %	6.5 %	6.0 %

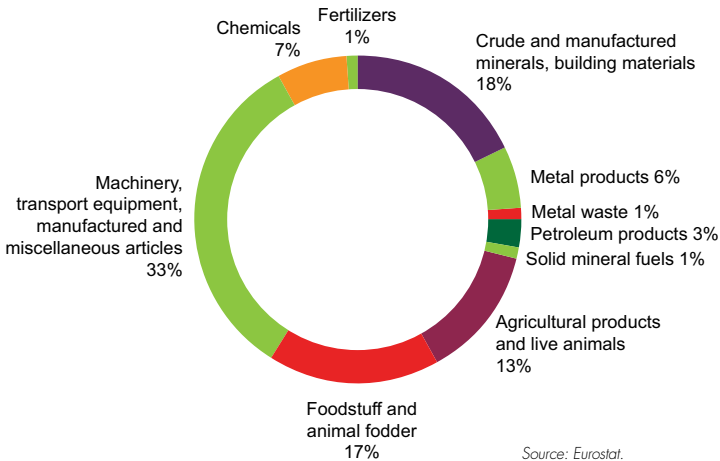
Source: UNECE.

## 5.8 Main country-to-country flows in intra-EU international road freight transport in EU 15 - 2004 (1,000 tonnes)

Rank in 2004	Pair of countries	Total tonnes	% of total intra EU tonnes
1	DE - NL	75,541	10.4%
2	BE - FR	53,999	7.5%
2	DE - FR	48,364	6.7%
4	BE - NL	45,153	6.2%
5	BE - DE	37,887	5.2%
6	ES - FR	37,520	5.2%
7	AT - DE	32,252	4.5%
8	DE - IT	28,148	3.9%
9	FR - IT	25,012	3.5%
10	ES - PT	21,139	2.9%

Source: Eurostat.

## 5.9 Share by type of goods in EU 15 road freight transport - 2003 (tkm)



Source: Eurostat.

## 5.10 Registration of commercial vehicles in EU 25 and selected countries - 2004-2006

Light commercial vehicles (LCV)				
	Registrations 2004	Registrations 2005	Registrations 2006	Registrations 2004-2006
AT	28,885	28,724	30,357	5%
BE	56,601	61,722	60,156	6%
DK	44,865	55,857	62,775	40%
FI	17,166	15,272	16,472	- 4%
FR	407,622	418,962	439,194	8%
DE	185,535	193,637	197,513	6%
EL	22,494	23,026	23,730	5%
IE	30,107	35,877	39,220	30%
IT	221,108	204,262	220,066	0%
LU	2,670	3,025	3,083	15%
NL	86,788	65,224	63,847	- 26%
PT	71,283	66,332	64,273	- 10%
ES	333,012	386,250	273,922	- 18%
SE	30,857	34,759	39,618	28%
UK	329,599	31,519	322,338	- 2%
<b>EU 15</b>	<b>1,868,592</b>	<b>1,624,448</b>	<b>1,856,564</b>	<b>- 1%</b>
CZ	-	15,926	16,185	
EE	-	2,870	3,696	
HU	-	20,479	21,604	
LV	-	1,715	2,508	
LT	-	2,969	4,107	
PL	-	33,765	38,618	
SK	-	14,423	19,502	
SI	-	6,865	6,048	
<b>EU 25</b>	<b>-</b>	<b>1,723,460</b>	<b>1,968,832</b>	
IC	1,629	2,118	2,490	53%
NO	31,241	35,047	42,611	36%
CH	21,374	21,494	23,015	8%

Source: ACEA.

Commercial vehicles >3.5 tn				
	Registrations 2004	Registrations 2005	Registrations 2006	Registrations 2004-2006
AT	9,692	8,296	7,609	- 21%
BE	10,070	12,178	10,779	7%
DK	4,653	5,992	5,990	29%
FI	4,519	4,270	4,031	- 11%
FR	47,477	55,712	53,351	12%
DE	92,468	96,564	101,210	9%
EL	2,223	1,852	2,187	- 2%
IE	3,966	5,223	6,789	71%
IT	36,192	35,757	35,748	- 1%
LU	1,038	1,422	1,424	37%
NL	13,761	14,406	20,080	46%
PT	4,687	4,622	5,411	15%
ES	37,502	40,511	40,972	9%
SE	5,407	5,876	6,228	15%
UK	56,312	55,921	52,861	- 6%
<b>EU 15</b>	<b>329,967</b>	<b>348,602</b>	<b>354,670</b>	<b>7%</b>
CZ	-	7,422	9,794	
EE	-	905	1,534	
HU	-	n.a.	2,147	
LV	-	1,158	2,508	
LT	-	2,267	3,124	
PL	-	11,794	15,896	
SK	-	3,482	4,413	
SI	-	1,553	2,062	
<b>EU 25</b>	<b>-</b>	<b>377,183</b>	<b>396,148</b>	
IC	295	586	523	77%
NO	6,191	6,466	5,789	- 6%
CH	3,270	3,947	4,841	48%

Source: ACEA.

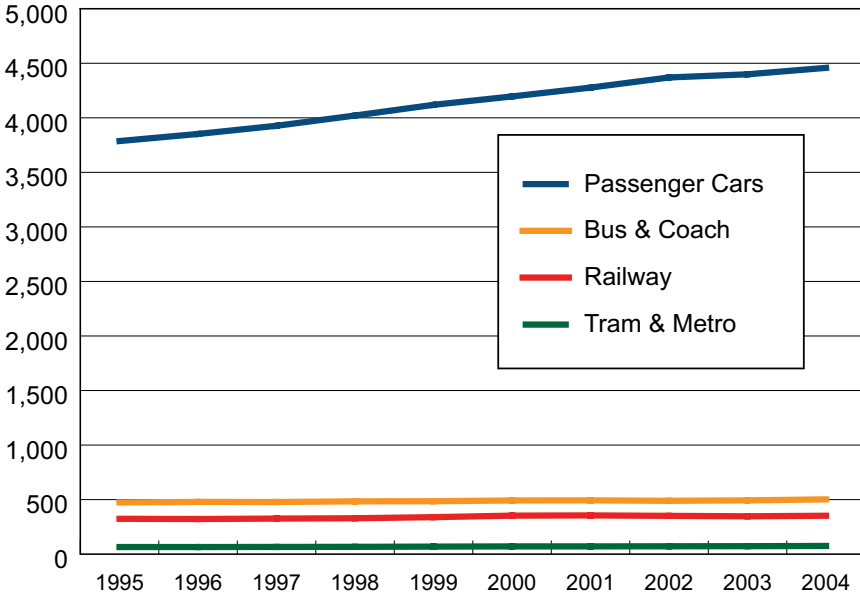
# Passenger Transport

## 6.1 Transport of passengers by mode in EU 25 - 1995-2004 (billion pkm)

	Passenger Cars	Bus & Coach	Railway	Tram & Metro	Total
1995	3,787	474	324	65	4,650
1996	3,852	479	322	65	4,718
1997	3,927	478	326	66	4,797
1998	4,021	484	329	67	4,901
1999	4,119	485	339	69	5,012
2000	4,196	492	353	71	5,112
2001	4,277	493	355	71	5,196
2002	4,370	489	351	72	5,282
2003	4,399	493	347	73	5,312
2004	4,458	502	352	75	5,387
1995-04	+18%	+6%	+9%	+15%	+16%
per year	+2.1%	+0.7%	+1%	+1.8%	+1.9%

Source: European Commission.

## 6.2 Evolution of passenger transport by mode in EU 25 - 1995-2004 (billion pkm)



Source: European Commission.

## 6.3 Inland transport modal split by country in EU 25 - 2004 (% of pkm)

	Passenger cars*	Passenger cars %	Powered two-wheelers ** / **	Powered two-wheelers %	Bus*	Bus %	Urban rail (tram + metro)*	Urban rail (tram + metro) %	Railways*	Railways %	TOTAL
BE	111.6	80.4%	0.6	0.5%	17.0	12.2%	0.9	0.6%	8.7	6.3%	138.8
CZ	67.6	68.9%	0.8	0.8%	15.2	15.5%	8.7	8.9%	6.6	6.7%	98.1
DK	52.2	79.5%	0.2	0.2%	7.3	11.1%	0.1	n.a.	5.9	9.0%	65.7
DE	868.9	84.4%	5.5	0.5%	67.8	6.6%	15.0	1.5%	72.6	7.1%	1,029.8
EE	9.6	n.a.	0.0	0.1%	2.5	20.2%	0.1	n.a.	0.2	1.5%	12.4
EL	68.0	72.6%	0.9	1.0%	21.6	23.1%	1.5	1.6%	1.7	1.8%	93.7
ES	354.9	81.0%	3.9	0.9%	53.5	12.2%	5.8	1.3%	20.3	4.6%	438.4
FR	736.9	84.9%	2.5	0.3%	42.5	4.9%	12.3	1.4%	74.3	8.6%	868.5
IE	25.0	75.0%	n.a.	n.a.	6.6	19.8%	0.1	n.a.	1.6	4.9%	33.3
IT	716.1	81.6%	10.2	1.2%	99.8	11.4%	6.1	0.7%	45.6	5.2%	877.8
CY	3.5	n.a.	n.a.	n.a.	1.2	n.a.	n.a.	n.a.	n.a.	n.a.	4.7
LV	10.6	72.6%	n.a.	n.a.	2.8	19.2%	0.4	2.7%	0.8	5.5%	14.6
LT	25.8	n.a.	0.0	0.1%	3.7	12.4%	n.a.	n.a.	0.4	1.3%	29.9
LU	6.1	84.3%	0.0	0.5%	0.8	11.1%	n.a.	n.a.	0.3	4.1%	7.2
HU	46.5	60.2%	n.a.	n.a.	18.2	23.5%	2.4	3.1%	10.2	13.2%	77.3
MT	1.6	n.a.	0.0	0.6%	0.5	n.a.	n.a.	n.a.	n.a.	n.a.	2.1
NL	146.4	84.1%	0.5	0.3%	11.6	6.7%	1.5	0.8%	14.1	8.1%	174.1
AT	82.1	74.8%	0.6	0.6%	15.1	13.8%	3.5	3.2%	8.5	7.7%	109.8
PL	181.5	78.9%	0.8	0.4%	30.1	13.1%	4.5	n.a.	18.4	8.0%	230.0
PT	67.0	80.8%	0.6	0.7%	10.8	13.0%	0.8	1.0%	3.7	4.5%	82.9
SI	16	90.1%	0.0	0.2%	1.0	5.6%	n.a.	n.a.	0.8	4.2%	17.8
SK	24.3	70.0%	n.a.	n.a.	7.9	22.8%	0.3	0.9%	2.2	6.3%	34.7
FI	60.9	83.8%	0.3	0.4%	7.6	10.5%	0.5	0.7%	3.4	4.7%	72.7
SE	97.0	82.8%	0.4	0.3%	8.9	7.6%	2.0	1.7%	8.9	7.6%	117.2
UK	678.0	87.1%	1.3	0.2%	48.0	6.2%	8.6	1.1%	42.6	5.5%	778.5
Total											
EU 25	4,458.1	82.3%	29.1	0.5%	502.0	9.3%	75.1	1.4%	351.8	6.5%	5,416.1

Source: European Commission, ACEM.

\* Bn pkm.

\*\* Powered two-wheelers in use.

## 6.4 Motorisation by country - 2005

	Passenger cars (thousand)	Buses (thousand)	Passenger cars per 1,000 inhabitants
BE	4,919	15.4	468
DK	1,965	14.4	362
DE	46,090	83.9	559
EL	4,376	28.04	393
ES	20,250	58.0	463
FR	30,497	90.06	500
IE	1,662	7.63	395
IT	34,667	94.44	590
LU	307	1.34	669
NL	7,092	11.0	434
AT	4,157	9.3	503
PT	4,200	22.0	397
FI	2,430	10.92	462
SE	4,154	13.48	459
UK	28,326	105.6	469
CY	355	3.2	463
CZ	3,959	19.94	386
EE	494	0.2	367
HU	2,889	17.45	287
LV	742	10.7	324
LT	1,455	14.4	428
MT	213	1.14	26
PL	12,339	82.7	323
SK	1,304	9.11	242
SI	944	2.25	471
<b>EU 25</b>	<b>219,786</b>	<b>726.6</b>	<b>418</b>
BG	2,538	37.2	314
HR	1,385	4.85	301
RO	n.a.	n.a.	149
TR	5,773	501.93	75

Source: European Commission.

## 6.5 Registration of non-commercial vehicles in EU 25 - 2004-2006\*

	2004	2005	2006	Evolution 04-06	Evolution 05-06
AT	310,439	307,915	308,594	- 0.6%	0.2%
BE	484,757	480,088	526,141	8.5%	9.6%
DK	120,484	148,819	156,275	29.7%	5.0%
FI	142,642	148,161	145,700	2.1%	- 1.7%
FR	2,013,712	2,067,789	2,000,549	- 0.7%	- 3.3%
DE	3,266,826	3,342,122	3,467,961	6.2%	3.8%
EL	289,753	269,733	267,706	- 7.6%	- 0.8%
IR	154,141	171,732	178,826	16.0%	4.1%
IT	2,258,861	2,237,444	2,321,099	2.8%	3.7%
LU	48,234	48,517	50,837	5.4%	4.8%
NL	483,885	465,152	483,994	0.0%	4.1%
PT	197,521	206,488	194,684	- 1.4%	- 5.7%
ES	1,517,518	1,528,877	1,499,032	- 1.2%	- 2.0%
SE	264,246	274,301	282,766	7.0%	3.1%
UK	2,567,269	2,439,717	2,344,864	- 8.7%	- 3.9%
<b>EU 15</b>	<b>14,120,288</b>	<b>14,136,855</b>	<b>14,229,028</b>	<b>0.8%</b>	<b>0.7%</b>
CZ	132,973	127,376	123,987	- 6.8%	- 2.7%
EE	16,513	19,581	25,515	54.5%	30.3%
HU	211,862	198,982	193,462	- 8.7%	- 2.8%
LV	11,256	16,680	25,626	127.7%	53.6%
LT	9,408	10,467	14,044	49.3%	34.2%
PL	318,111	235,504	239,038	- 24.9%	1.5%
SK	57,430	56,916	59,084	2.9%	3.8%
SI	62,986	59,324	60,026	- 4.7%	1.2%
<b>EU 10</b>	<b>820,539</b>	<b>724,830</b>	<b>740,782</b>	<b>- 9.7%</b>	<b>2.2%</b>
<b>EU 25*</b>	<b>14,940,827</b>	<b>15,586,515</b>	<b>15,710,592</b>	<b>5.2%</b>	<b>0.8%</b>
IC	11,968	18,060	17,129	43.1%	- 5.2%
NO	115,645	109,907	109,164	- 5.6%	- 0.7%
CH	268,978	264,941	268,894	0%	1.5%

Source: ACEA.

\* Data for Malta and Cyprus is currently not available.

## 6.6 Transport of passengers per mode - EU 25/World - 2004

	Passenger transport 2004 billion pkm						
	EU 25	EU 25%	USA	USA%	Japan**	China**	Russia**
Passenger car	4,458	74%	7,165	n.a.	757	n.a.	n.a.
Bus / coach	502	8%	226	n.a.	86	872	139
Railway	352	6%	n.a.	n.a.	239	550	158
Tram & metro	75	1%	n.a.	n.a.	n.a.	n.a.	95
Air	482*	11%	896	n.a.	84	178	71

Source: European Commission, ERF.

\* Only domestic (intra EU 25).

\*\* 2003.

# Safety

## 7.1 Road accidents involving injury - 1970-2005 (thousand)

	BE	DK	DE	EL	ES	FR	IE	IT
1970	77	19.8	377.6	18.3	58	228.1	6.4	173.1
1980	60.8	12.3	412.7	18.2	67.8	248.5	5.7	163.8
1990	62.4	9.2	389.4	19.6	101.5	162.6	6.1	161.8
2000	49.1	7.3	382.9	23.1	101.7	121.2	7.8	211.9
2001	47.4	6.9	375.3	19.7	100.4	116.7	6.9	235.1
2002	41.8	7.1	362	16.9	98.4	105.5	6.6	237.8
2003	47.6	6.7	354.5	15.8	100	90.2	6	225.1
2004	44.2	6.2	339.3	15.5	94	85.4	5.8	229.2
2005	40.5	5.4	336.6	16.9	91.2	82.7	n.a.	225.1

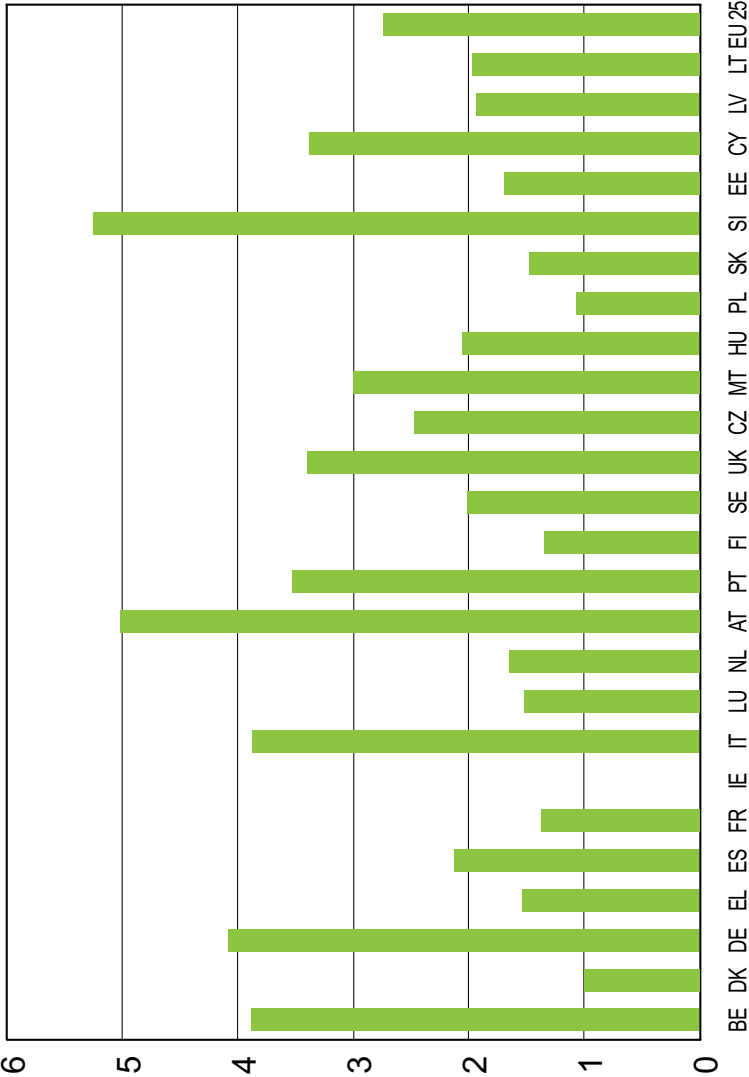
	LU	NL	AT	PT	FI	SE	UK	EU 15
1970	1.6	58.9	51.6	22.7	11.4	16.6	267.5	1,388.5
1980	1.6	49.4	46.2	33.9	6.8	15.2	257.3	1,379.5
1990	1.2	44.9	46.3	45.1	10.2	17	265.6	1,293.5
2000	0.9	37.9	42.1	44.2	6.6	15.8	233.7	1,286.2
2001	0.8	35.3	43.1	42.5	6.5	15.8	229	1,281.4
2002	0.8	33.5	43.2	42.2	6.2	16.9	221.7	1,240.0
2003	0.7	31.6	43.4	41.5	6.9	18.4	220.1	1,208.5
2004	0.7	27.8	42.7	38.9	6.8	18	213	1,167.5
2005	0.7	27	40.9	37.1	7	18.1	203.7	1,132.9

	CZ	EE	CY	LV	LT	HU	MT	PL
1990	21.9	2.1	3.2	4.3	5.1	27.8	0.3	50.5
2000	25.4	1.5	2.4	4.5	5.8	17.5	0.5	57.3
2001	26	1.9	2.4	4.7	6	18.5	0.5	53.8
2002	26.6	2.2	2.4	5.1	6.1	19.7	0.5	53.6
2003	27.3	1.9	2.4	5.4	6.1	20	1.2	51.1
2004	26.5	2.2	2.1	5.1	6.4	21	1.1	51.1
2005	25.2	2.3	2.5	4.5	6.8	20.8	1.2	40.9

	SI	SK	EU 10	EU 25
1990	5.2	8.2	128.6	1,422.1
2000	8.6	7.9	131.4	1,417.6
2001	9.2	8.2	131.2	1,412.6
2002	10.3	7.9	134.4	1,304.4
2003	11.9	8.6	135.9	1,344.4
2004	12.7	8.4	136.6	1,304.1
2005	10.5	7.9	122.6	1,255.5

Source: IRTAD, UN, European Commission, CARE, National Statistics.  
Corrective factors are applied to the figures for EL, ES, FR, IT, AT and PT.

## 7.2 Road accidents involving injury per one thousand population in EU 25 - 2005



Source: IRTAD, UN, European Commission, CARE, National Statistics.

## 7.3 Road fatalities\* in EU 25 - 1970-2005

	BE	DK	DE	EL	ES	FR	IE	IT
1970	2,950	1,208	21,332	1,099	5,456	16,448	540	11,004
1980	2,396	690	15,050	1,445	6,522	13,672	564	9,220
1990	1,976	634	11,046	2,050	9,032	11,215	478	7,137
2000	1,470	498	7,503	2,037	5,777	8,079	418	6,410
2001	1,486	431	6,977	1,880	5,516	8,160	412	6,682
2002	1,315	463	6,842	1,654	5,347	7,655	376	6,736
2003	1,353	432	6,613	1,605	5,399	6,058	339	6,015
2004	1,162	369	5,842	1,619	4,741	5,530	379	5,625
2005	1089	331	5,361	1,614	4,442	5,339	399	5,426

	LU	NL	AT	PT	FI	SE	UK	EU 15
1970	132	3,181	2,507	1,842	1,055	1,307	7,770	77,831
1980	98	1,997	2,003	2,941	551	848	6,240	64,237
1990	71	1,376	1,558	3,017	649	772	5,402	56,413
2000	70	1,082	976	1,874	396	591	3,580	40,761
2001	69	993	958	1,671	433	583	3,598	39,849
2002	62	987	956	1,655	415	560	3,581	38,604
2003	53	1,028	931	1,546	379	529	3,658	37,253
2004	50	804	878	1,294	379	480	3,368	32,520
2005	46	750	768	1,247	371	440	3,336	30,959

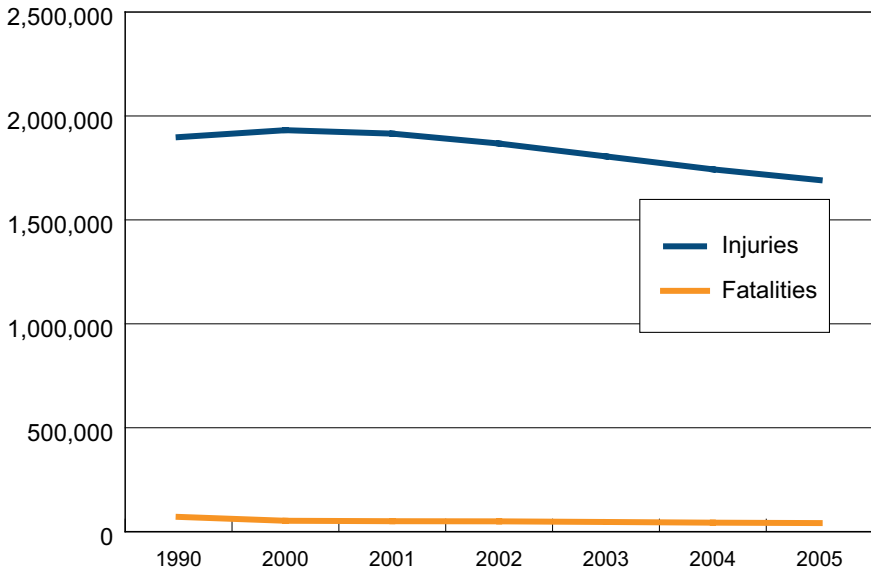
	CY	CZ	EE	HU	LV	LT	MT	PL
2000	111	1,486	204	1,200	588	641	15	6,294
2001	98	1,334	199	1,239	517	706	16	5,534
2002	94	1,431	224	1,429	518	697	16	5,827
2003	97	1,447	164	1,326	532	709	16	5,640
2004	117	1,382	170	1,296	516	752	13	5,712
2005	102	1,286	168	1,278	442	760	17	5,444

	SK	SI	EU 25
2000	628	313	52,241
2001	614	278	50,384
2002	610	269	49,719
2003	645	242	46,756
2004	603	274	43,355
2005	560	258	41,274

Source: IRTAD, UN, European Commission, CARE, National Statistics.

\* Persons deceased (suicide not included - except DK, ES, FR; natural death not included - except LU, SE) within 30 days of a road accident. Corrective factors are applied to the figures from Member States not currently using this definition.

## 7.4 Evolution of road fatalities and injuries in EU 25 - 1990-2005



Source: ERF, IRTAD, European Commission, CARE.

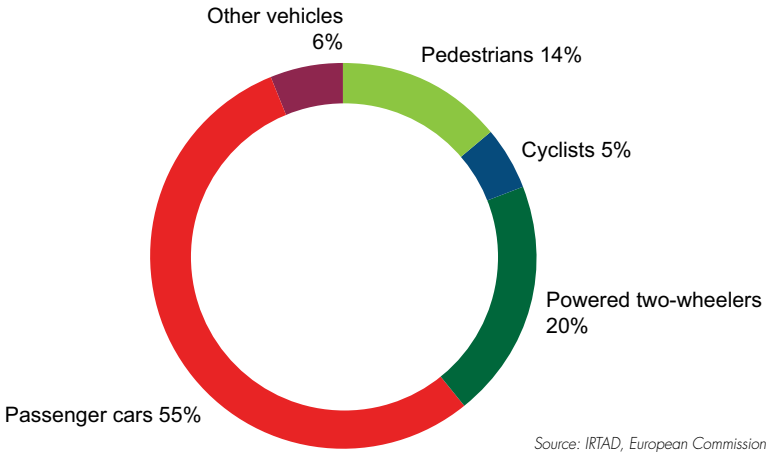
## 7.5 Road fatalities country rankings - 2005

	per million inhabitants		per 100 million pkm*		per 100,000 passenger cars
MT	42	SE	44	MT	n.a.
NL	46	UK	49	NL	106
SE	49	NL	50	SE	106
UK	55	FI	60	DE	116
DK	61	DE	60	UK	118
DE	65	DK	62	LU	150
FI	71	IT	69	FI	153
FR	88	FR	71	IT	157
EU25	90	LU	74	DK	168
IT	93	EU25	90	FR	175
AT	93	AT	92	AT	185
IE	96	BE	97	EU25	188
LU	101	MT	106	ES	219
ES	102	ES	122	BE	221
BE	104	IE	158	IE	240
SK	104	SI	159	SI	273
PT	118	EE	173	CY	287
EE	125	PT	181	PT	297
CZ	126	CZ	182	CZ	325
HU	127	EL	223	EE	340
SI	129	SK	225	EL	369
CY	135	HU	270	PL	441
PL	143	CY	280	SK	430
EL	145	LT	291	HU	442
LV	229	PL	293	LT	522
LT	223	LV	406	LV	595

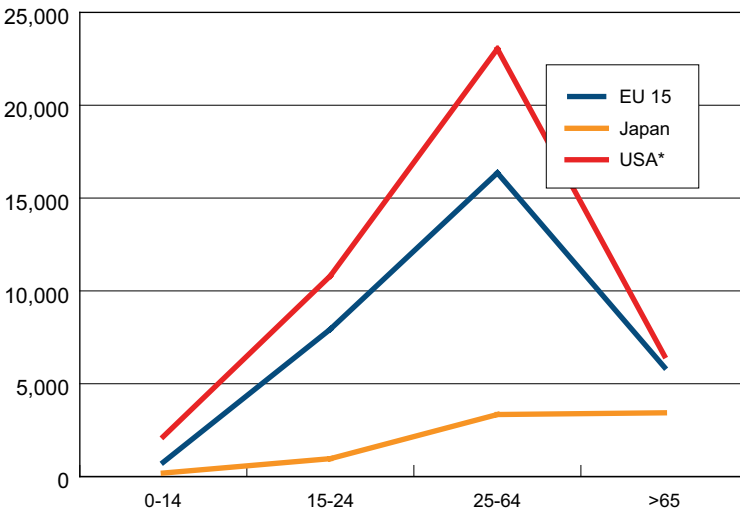
Source: IRTAD, UN, European Commission, CARE, National Statistics.

\* p/km: passengerkilometres of cars and powered two-wheelers only.

## 7.6 Road fatalities by participation in traffic in EU 15 - 2005



## 7.7 Number of fatalities by age group in EU 15 and selected countries - 2005



Source: European Commission.

\* 2004 Figures.

## 7.8 Road fatalities by age group in EU 15 and selected countries - 2005

	0-14	14-17	18-25	26-50	51-65	>65	Total
AT	21	52	154	289	106	146	768
BE	30	38	221	457	156	181	1,083
DE	159	224	1,075	2,700*		1,162	5,320
DK	11	12	60	121	50	67	321
ES	100	158	843	1,916	655	683	4,355
EL	38	44	381	658	210	305	1,636
FR	104	244	1,346	1,962	660	982	5,298
FI	18	19	60	137	56	80	370
IT	84	224	1,016	2,186	756	1,117	5,383
IE	16	12	89	124	38	50	329
LU	3	3	11	35	5	5	62
NL	53	65	195	353	146	216	1,028
PT	25	41	249	506	209	212	1,242
SE	8	21	76	148	89	95	437
UK	105	242	764	1,208	418	590	3,327
EU 15	775	1,399	6,540	12,800	3,554	5,891	30,959
Average EU15	52	147	818	721	262	736	2,048
PL	147	168	1,051	2,090	964	889	5,444
EE	11	6	28	75	3	18	169
HU	31	29	190	555	270	193	1,278

Source: European Commission, CARE.

\* 25-65 yearold.

# Taxation

## 8.1 Excise duties in EU 25 - 2005-2006 (EUR/1,000 litres)

	2005		2006	
	Unleaded	Diesel	Unleaded	Diesel
BE	592	341	592	328
DK	539	404	508	404
DE	655	470	655	470
EL	296	246	313	260
ES	396	294	396	294
FR	589	417	589	417
IE	443	368	443	368
IT	564	413	564	413
LU	442	278	442	278
NL	668	365	668	365
AT	417	297	417	297
PT	533	314	558	339
FI	588	319	588	319
SE	536	394	536	394
UK	682	693	682	693
<b>EU 15 average</b>	<b>529</b>	<b>374</b>	<b>530</b>	<b>376</b>
<b>EU 15 minimum rate</b>	<b>296</b>	<b>246</b>	<b>313</b>	<b>260</b>
CZ	400	336	400	336
EE	288	245	288	245
CY	305	250	305	250
LV	276	236	276	236
LT	278	245	287	245
HU	413	339	413	339
MT	387	245	474	332
PL	356	290	356	290
SI	360	303	360	303
SK	398	373	398	373
<b>EU 25 average</b>	<b>456</b>	<b>339</b>	<b>460</b>	<b>344</b>
<b>EU 25 minimum rate</b>	<b>276</b>	<b>236</b>	<b>276</b>	<b>236</b>

Source: ACEA.

## 8.2 Motor vehicle tax revenue in EU 15 - 2005 (EUR billion)\*

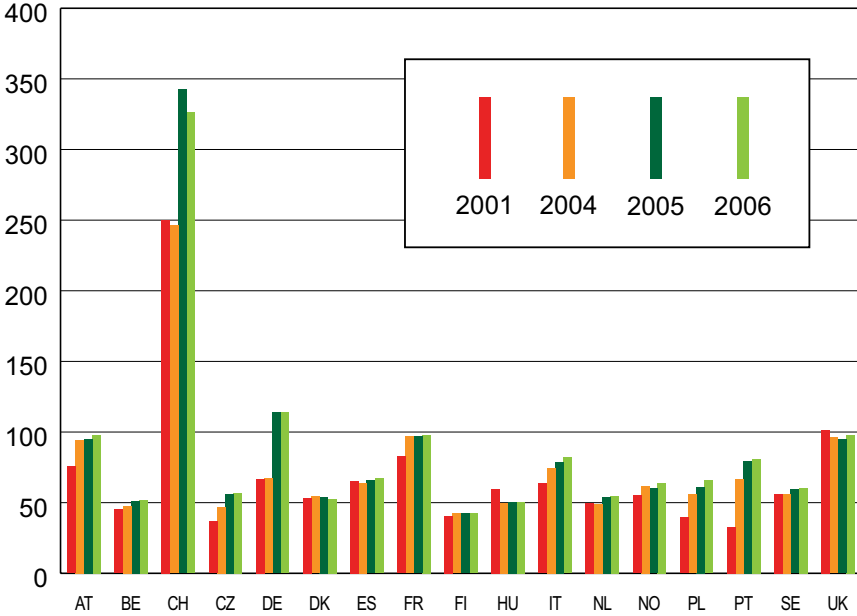
	AT € bn 2004	BE € bn 2004	DK DKK bn 2005	DE € bn 2005	ES € bn 2005	FR € bn 2005	EL € bn 2005	IE € bn 2005	IT € bn 2004	NL € bn 2003	PT € bn 2005	FI € bn 2004	SE SEK bn 2006	UK £ bn 2005
Purchase or transfer VAT on vehicles, servicing/repair parts, tyres	2.14	4.29	n.a.	25	5.87	12.47	n.a.	0.06	19.34	2.03	1.28	1.25	15	12.83
New vehicles sales	n.a.	1.17	n.a.	18.20	3.53	7.07	n.a.	n.a.	n.a.	0.74	n.a.	0.75	n.a.	n.a.
Second hand vehicles sales	n.a.	0.07	n.a.	2.03	0.07	0.61	n.a.	n.a.	n.a.	0.08	n.a.	n.a.	n.a.	n.a.
Services and repair+tyres	n.a.	1.41	n.a.	3.55	n.a.	4.78	n.a.	n.a.	n.a.	1.20	n.a.	0.49	n.a.	n.a.
Accessories and spare parts	n.a.	0.86	n.a.	1.22	2.26	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Fuels & Lubricants	4.27	5.76	14.77	41.10	16.80	37.08	2.35	2.33	32.33	5.85	3.42	3.07	46.60	23.34
Sales & registration taxes	0.44	0.31	21.10	n.a.	1.37	1.53	0.87	1.71	2.06	2.87	1.21	1.31	n.a.	n.a.
Annual ownership	1.40	1.46	8.69	8.67	2.16	1.20	0.70	0.80	5.50	2.10	0.13	0.51	10.70	4.87
Driving license fees taxes	n.a.	0.01	n.a.	0.06	0.07	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.07
Insurance taxes	0.28	0.44	2.04	3.30	0.69	4.05	n.a.	n.a.	4.30	n.a.	n.a.	0.21	n.a.	n.a.
Tolls	1.21	n.a.	0.45	n.a.	n.a.	7.66	n.a.	0.03	1.05	n.a.	n.a.	n.a.	n.a.	n.a.
Customs duties	n.a.	0.09	n.a.	0.44	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.11	n.a.	n.a.	n.a.
Other taxes	0.55	0.52	n.a.	0.28	0.35	1.26	0.01	0.13	n.a.	0.10	0.08	n.a.	6.50	3.70
<b>TOTAL</b>	<b>10.30</b>	<b>12.15</b>	<b>47.07</b>	<b>78.90</b>	<b>27.34</b>	<b>60.30</b>	<b>3.95</b>	<b>5.08</b>	<b>64.60</b>	<b>12.98</b>	<b>5.92</b>	<b>7.60</b>	<b>78.80</b>	<b>44.82</b>
<b>EUR bn</b>	<b>10.3</b>	<b>12.1</b>	<b>6.3</b>	<b>78.9</b>	<b>27.3</b>	<b>60.3</b>	<b>4.0</b>	<b>5.1</b>	<b>64.6</b>	<b>13.0</b>	<b>5.9</b>	<b>7.6</b>	<b>9.8</b>	<b>65.6</b>

Total > EUR 360 bn

Source: ACEA.

\* No data is available for other EU Member States.

### 8.3 Evolution of total fiscal charges\* paid on domestic haul - 2001-2006 (EUR/trip)



Source: ECMT.

\* These figures comprise vehicle taxes/276 days, fuel taxes, vignettes fees and motorway tolls.

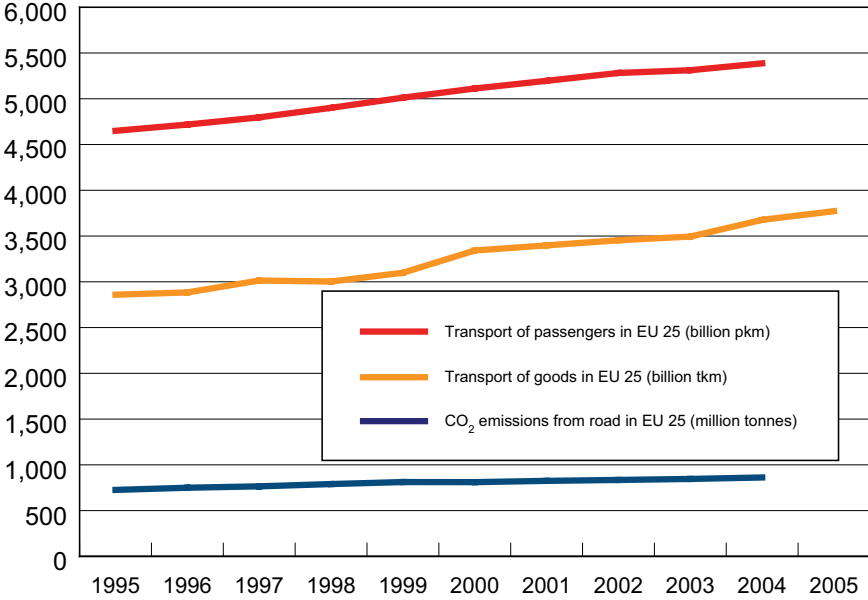
## 8.4 Territorial structure of taxation according to share of fees paid on domestic hauls in selected countries - 2005

Territorial criterion	National charges	Weekly territorial charges	Other territorial charges	
	Charges (€), country specific domestic hauls	Vehicle taxes	Fuel excise duties	Vignettes
AT	10	38.7	-	45.5
BE	3.1	43.5	4.5	0
CH	7.7	62.7	0	320
CZ	5.9	48.6	1.6	0
DE	5.5	60.2	-	48
DK	2	47.4	4.5	0
ES	2.6	37.1	0	46
FR	2.2	48.6	0	46
FI	7.3	34.9	0	0
HU	4.2	43.5	2.8	0
IT	2.6	51.6	0	25
NL	3.4	40.6	5.1	0
NO	4.7	52.5	0	1.6
PL	1.4	33.8	8.4	12.4
PT	1.9	39.4	0	25.4
SE	7.4	44	4.7	0
UK	6.3	88.3	0	0

Source: ECMT.

# Environment

## 9.1 Comparison between road CO<sub>2</sub> emissions and freight and passenger transport in EU 25 - 1995-2005



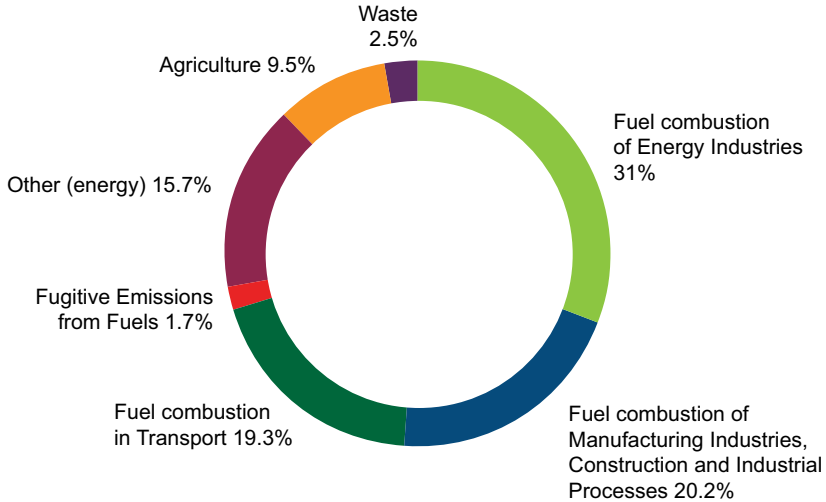
Source: European Commission.

## 9.2 Emission of health related pollutants by sector in EU 15 - contribution to change - 1990-2004

	Acidifying pollutants (SO <sub>2</sub> , NOX, NH <sub>3</sub> )	Ozone precursors	Primary particulates PM 10
Energy Industries	- 52.4%	- 9.4%	- 51.0%
Fugitive Emissions	- 1.8%	- 4.2%	- 1.6%
Industry (Energy)	- 15.2%	- 3.6%	- 14.8%
Industry (Processes)	- 2.1%	- 2.2%	- 2.3%
Other (Energy)	- 7.9%	- 5.7%	- 6.0%
Other (Non Energy)	0.0%	- 7.5%	0.1%
Road Transport	- 13.8%	- 63.8%	- 20.4%
Other Transport	- 1.8%	- 2.0%	- 1.9%
Agriculture	- 4.8%	- 1.1%	- 2.3%
Waste	0.0%	- 0.3%	- 0.1%
Unallocated	- 0.1%	- 0.3%	0.3%

Source: EEA.

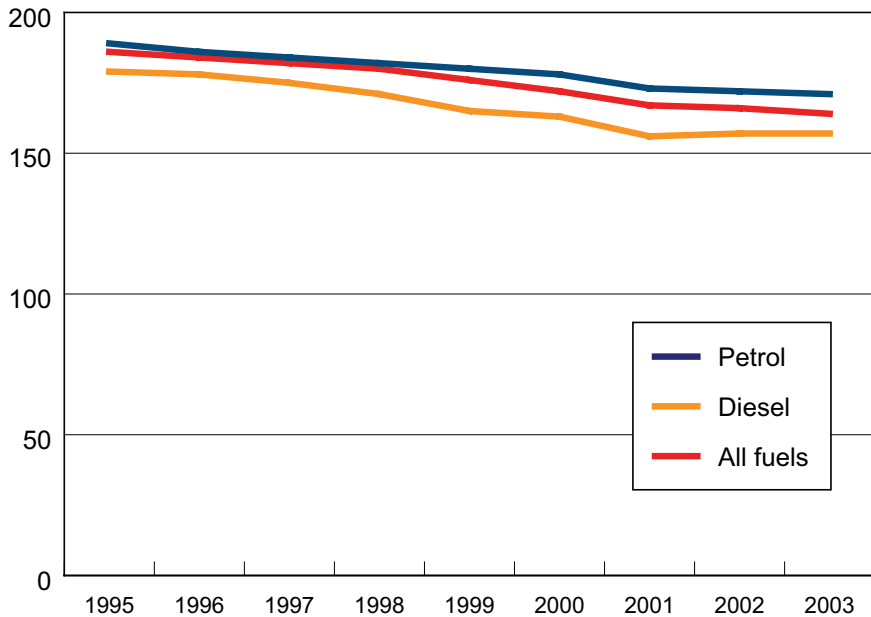
### 9.3 Percentage split of EU 25 greenhouse gas emissions\* per sector - 2003



Source: EEA.

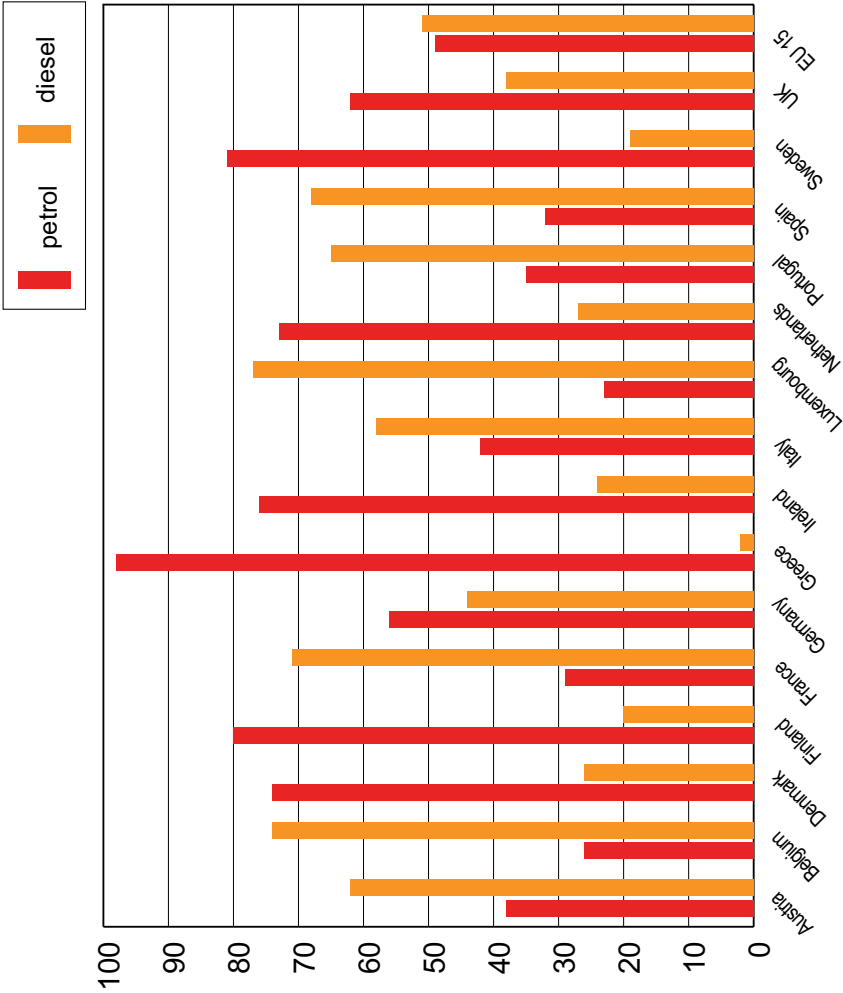
\* Total greenhouse gas (GHG) emissions comprise the Kyoto basket of 6 greenhouse gases: carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (NO<sub>2</sub>), hydrofluorocarbons (HFC), perfluorocarbons (PFC) and sulphur hexafluoride (SF<sub>6</sub>).

## 9.4 Average CO<sub>2</sub> emissions of new passenger cars sold in EU 15 – 1995-2003 (g CO<sub>2</sub>/km)



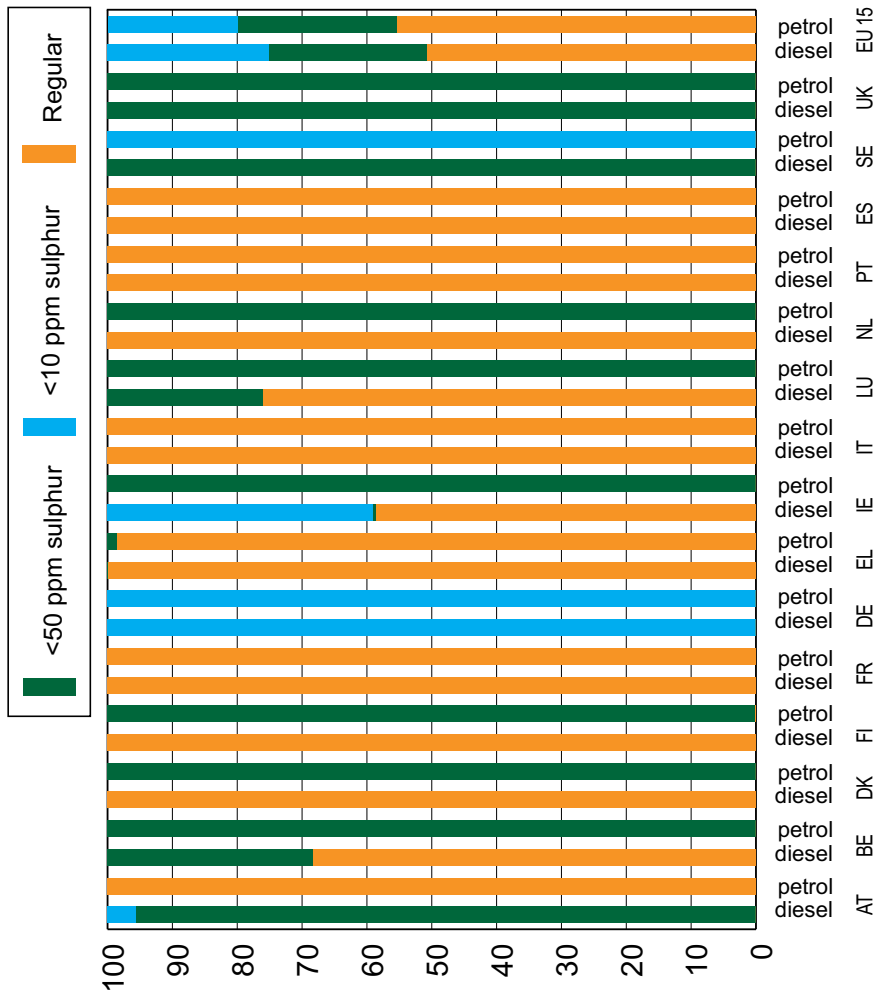
Source: EEA, ACEA, KAMA, JAMA.

## 9.5 Fuel market share for new car registrations - 2006



Source: ACEA.

## 9.6 Low sulphur fuel use in EU 15 - 2003



Source: EEA.

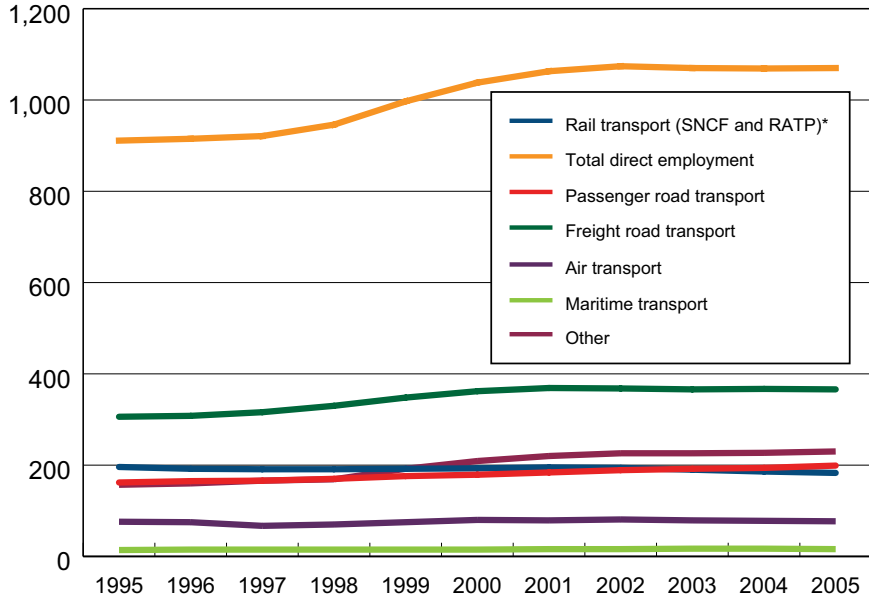
## 9.7 Final energy consumption by sector in EU 25 - 2003 (million toe)

	Industry	Households, commerce	Road	Rail	Inland navigation
BE	12.7	13.5	8.0	0.2	0.2
DK	2.9	7.1	3.7	0.1	0.1
DE	55.6	90.7	55.0	1.9	0.2
EL	4.5	7.6	5.6	0.1	0.6
ES	28.2	22.4	28.1	0.9	1.4
FR	36.9	63.0	42.8	1.3	0.8
IE	2.2	4.4	3.5	0	0
IT	38.9	43.3	38.1	0.9	0.2
LU	0.9	0.7	1.7	0	0
NL	13.7	22.4	10.7	0.2	0.3
AT	6.4	10.3	6.3	0.3	0
PT	5.8	5.4	6.2	0.1	0.1
FI	12.1	8.9	3.8	0.1	0.2
SE	13.2	12.3	6.8	0.3	0.1
UK	35.0	63.0	38.8	1.1	0.6
<b>Total EU 15</b>	<b>269.0</b>	<b>375.0</b>	<b>259.4</b>	<b>7.4</b>	<b>4.9</b>
CZ	9.7	9.0	4.7	0.3	0
EE	0.5	1.4	0.6	0.1	0
CY	0.4	0.4	0.6	0	0
LV	0.7	2.1	0.8	0.1	0
LT	0.7	2.0	1.1	0.1	0
HU	3.7	9.3	3.1	0.2	0
MT	0.1	0.1	0.2	0	0
PL	16.6	28.9	8.0	0.5	0
SI	1.3	1.9	1.3	0.1	0
SK	4.3	5.1	1.7	0.1	0
<b>Total EU 25</b>	<b>307.0</b>	<b>435.2</b>	<b>281.4</b>	<b>8.7</b>	<b>4.9</b>

Source: EEA.

# Case Studies

## 10.1 Direct employment in transport in France (paid and unpaid) - 1995-2005

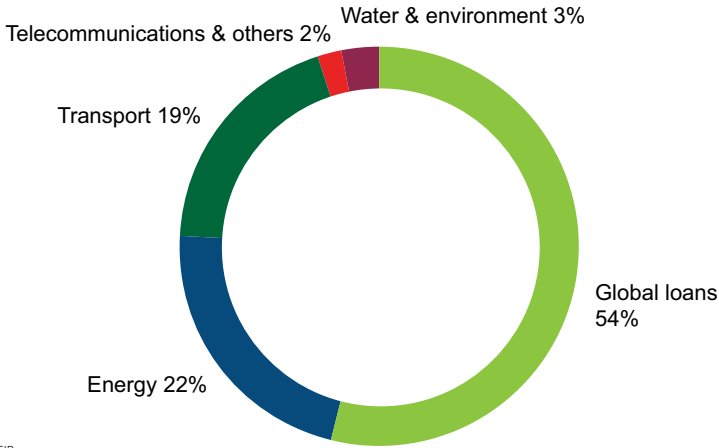


Source: INSEE, DAEI-SESP, URF.

\* Includes taxis (36,000 approx).

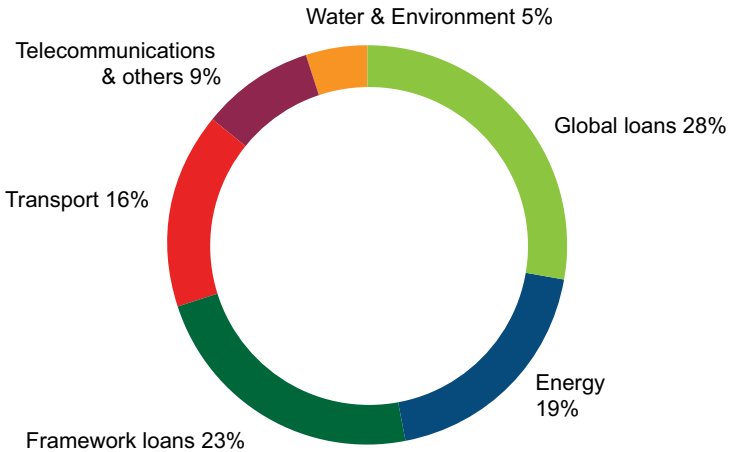
(\*) RATP has been divided: 60% road transport and 40% rail transport.

### 10.2a EIB lending in Estonia since 1993 (EUR 403 million in total)



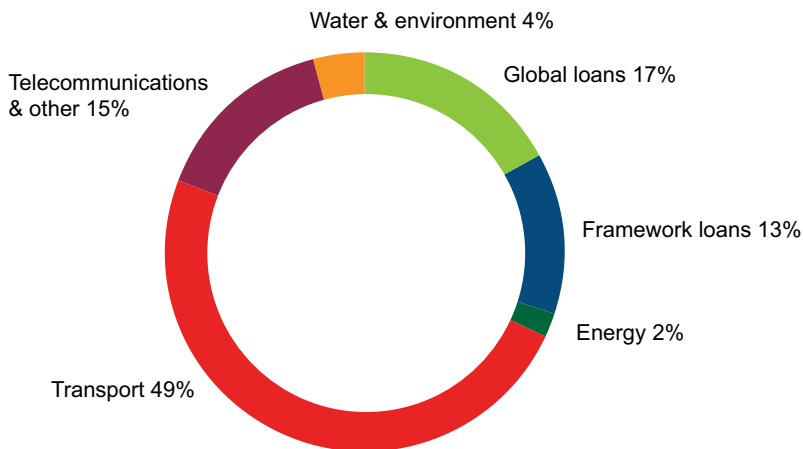
Source: EIB.

### 10.2b EIB lending in Latvia since 1994 (EUR 659 million in total)



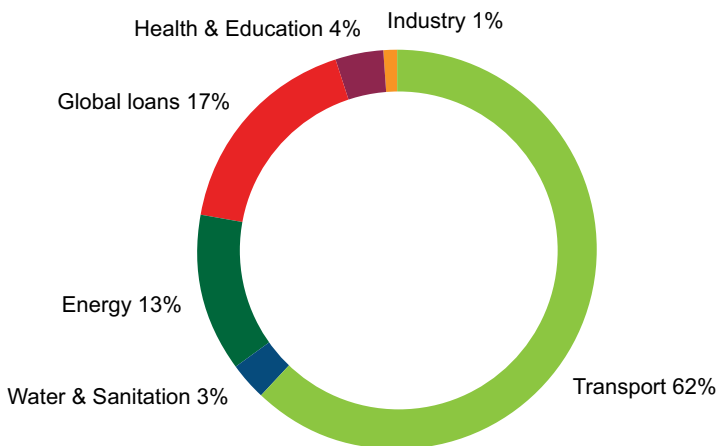
Source: EIB.

### 10.2c EIB lending in Lithuania since 1994 (EUR 470 million in total)



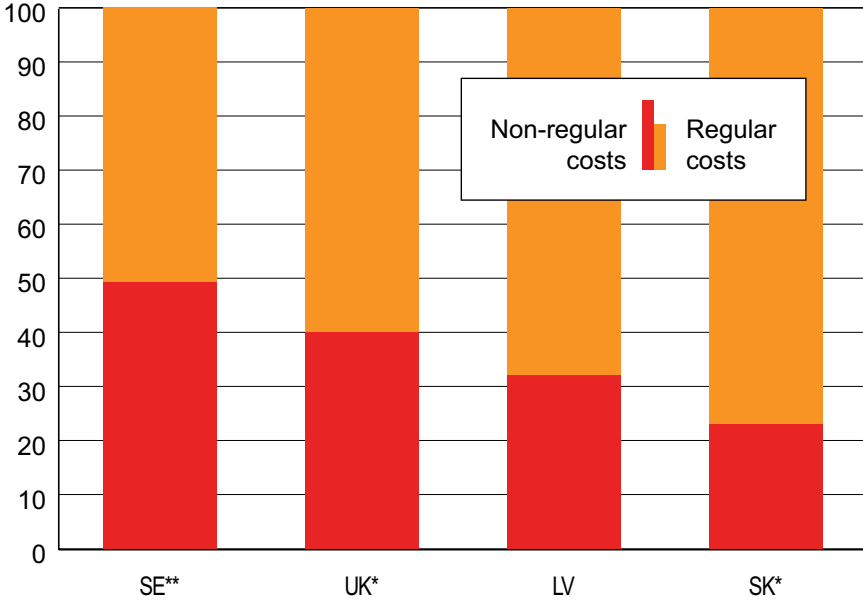
Source: EIB.

### 10.3 EIB loans in the Western Balkans per sector since 1995 (total = EUR 1,839 million)



Source: EIB.

## 10.4 Road maintenance in selected countries - Breakdown per type of cost - 2005



Source: National Ministries.

\* 2006 Figures.

\*\* 2004 Figures.

## 10.5 Transport of dangerous goods (million t/km) - Selected countries

	2001	2002	2003	2004
BE	4,177	3,779	2,623	2,284
DK	827	998	780	901
DE	13,437	12,036	12,777	13,524
ES	10,300	1,236	12,185	12,669
FR	8,132	8,471	8,797	8,701
IE	1,139	1,094	1,414	1,468
LU	245	337	327	344
NL	2,123	1,680	1,664	2,021
AT	1,064	985	1,132	940
PT	1,775	1,730	1,900	2,066
FI	2,427	2,253	2,401	1,818
SE	1,623	2,009	1,778	2,180
UK	10,655	10,178	9,899	8,091
<b>Total</b>	<b>57,924</b>	<b>46,786</b>	<b>57,677</b>	<b>57,007</b>

Source: National Ministries.

## 10.6 Urban infrastructure in selected EU cities - 2003

City	Population (thousands)	N° Vehicles (thousands)	Parking covered	Availability open air	N° inhabitants per vehicle
Vienna	1,700	650	29,690	11,300	2.62
Brussels	1,100	466	18,000	n.a.	2.36
Paris	12,000	5,000	166,700	145,000	2.4
Lyon	1,200	400	14,900	14,700	3
Bremen	500	260	6,500	3,500	1.92
Cologne	1,000	450	14,270	31,840	2.22
Stuttgart	600	300	12,000	6,400	2
Munich	1,300	704	20,704	105,800	1.85
Dublin	1,200	550	6,000	11,000	2.18
Rome	2,800	1,800	4,540	47,170	1.38
Lisbon	700	400	19,000	43,500	1.75
Madrid	2,900	872	18,075	46,000	3.33
Barcelona	1,500	135	135,000	6,700	11.11
<b>TOTAL</b>	<b>28,500</b>	<b>11,987</b>	<b>465,379</b>	<b>472,910</b>	

Source: AIPARK.

\* Covered = underground or in buildings.

## 10.7 Road network and vehicle fleet in Mediterranean countries - 2005

	Length of roads	Rate of motorisation (passenger car per 1,000 inhabitants)	Persons killed (year 2005)	good transport (1,000 t)
Algeria	10,934	58	3,711	6,660
Egypt	7,864	n.a.	n.a.	10,977
Israel	17,607	238	448	7,492
Jordan	7,601	110	790	2,703
Morocco	n.a.	n.a.	3,617	35,207
Syria	49,977	15	2,197	8,187
Tunisia	n.a.	66	1,519	n.a.

Source: Eurostat.

# Annex

## Other recent ERF - IRF BPC publications\*

- > April 2007: Sustainable Roads – A Discussion Paper
- > November 2006: 2nd European Road Congress – Findings and Future Perspectives
- > April 2006: Designing and Keeping Roadside Safe
- > March 2006: The Socio-Economic Benefits of Roads in Europe
- > Bimonthly: Intelligent Roads
- > Bimonthly: Engineering Safer Roads
- > Bimonthly: Voice of the European Road

\* All these publications are available on-line at [www.irfnet.eu](http://www.irfnet.eu)

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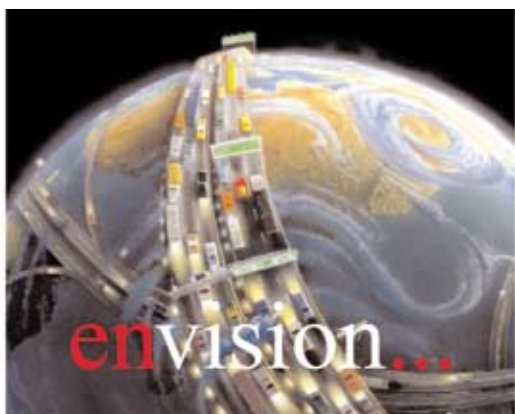
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