

**TRANSPORT
GREENHOUSE GAS
EMISSIONS**

Country Data

2010

The International Transport Forum is a strategic think tank for the transport sector. Each year, it brings together Ministers from over 50 countries, along with leading decision-makers and thinkers from the private sector, civil society and research, to address transport issues of strategic importance. An intergovernmental organisation linked to the OECD, the Forum's goal is to help shape the transport policy agenda, and ensure that it contributes to economic growth, environmental protection, social inclusion and the preservation of human life and wellbeing. The 2011 International Transport Forum, to be held on 25-27 May in Leipzig, Germany, will focus on *Transport for Society*.

For more information please see www.internationaltransportforum.org.

FOREWORD

This document provides country and regional tables relating to transport and GHG emission trends in both ITF and other major CO₂-emitting economies.

COUNTRY DATA: CO₂ EMISSIONS FROM FOSSIL FUEL COMBUSTION 1990-2008

- Transport-sector CO₂ emissions represent 22.5% of global CO₂ emissions from fossil fuel combustion in 2008. The corresponding figures for OECD and Non-OECD countries are 30% and 16%, respectively. The sector accounts for approximately 15% of overall greenhouse gas emissions.
- Global CO₂ emissions from transport have grown by 44% from 1990 to 2008, led by emissions from the road sector in terms of volume and by shipping and aviation in terms of highest growth rates.
- Under “business-as-usual”, including many planned efficiency improvements, global CO₂ emissions from transport are expected to continue to grow by approximately 40% from 2007 to 2030 – though this is lower than pre-crisis estimates.
- Road sector emissions dominate transport emissions with light-duty vehicles accounting for the bulk of emissions globally. In certain ITF member countries for which estimates can be made, road freight accounts for up to 30% to 40% of road sector CO₂ emissions though the breakdown amongst freight vehicle classes varies amongst countries. Emissions from global aviation and international shipping account for 2.5% and 3% of total CO₂ emissions 11% and 9% of global transport emissions of CO₂ from fuel combustion.
- Some countries (e.g. France, Germany and Japan) stand out in that they have seen their road CO₂ emissions stabilise or decrease even before the recession of 2008-2009 despite economic and road freight growth over the same period.
- The economic crisis of 2008 has led to a prolonged downturn in economic activity and has had a significant impact on CO₂ emission rates. Data from 2008 show the rate of growth of global CO₂ emissions dropping off from historic yearly growth rates. This slow-down is due to a nearly 3% drop in OECD emissions from 2007 to 2008. Non-OECD emissions in 2008 slowed but were still significantly over the 1990-2008 average. Some projections for 2008-2009 emissions foresee a drop in global CO₂ emissions of 3% to 10% while others note that evidence is mounting for a less severe reduction with global CO₂ emissions essentially stabilising at 2008 levels due to continued growth in non-OECD economies. There is early evidence that the rate of CO₂ emissions in non-OECD and certain key OECD countries may be back on track to reach historic average growth rates. Depending on the strength of the economic recovery, this reduction may translate into a 0 to 8% decrease in 2020 emissions from their pre-crisis projected levels.
- 2008 global transport sector CO₂ emissions have essentially stabilised at their 2008 levels as have global CO₂ emissions from road transport. Emissions from domestic aviation have dropped the most sharply representing the early impacts of the economic crisis in the United States which accounts for a significant share of global emissions from that sub-sector.
- Within OECD economies, CO₂ emissions from transport have fallen by nearly 4% from 2007 to 2008 and all transport sub-sectors have seen emissions fall as a result of the crisis except for international aviation. Within non-OECD economies, transport-related CO₂ emissions have continued to register strong growth from 2007-2008 with the exception of the rail sector.

NOTES ON COUNTRY SHEETS

National Transport-Related and GHG Emissions Data:

These tables contain detailed data on Greenhouse Gas (GHG) emissions and carbon dioxide (CO₂) emissions from fossil fuel combustion in member countries of the International Transport Forum.

A number of data sources are used in these tables:

Population and GDP data are from the International Energy Agency. GDP data is expressed in purchasing power parity (2000 \$).

Data on transport volumes (passenger-kilometres and tonne-kilometres) are collected from national administrations by the Statistics division of the International Transport Forum.

Data on motorisation rates comes from the World Bank.

Data on Greenhouse Gas Emissions (and CO₂ emissions in particular) come from national reports to the United Nations Framework Convention on Climate Change (UNFCCC) and from the International Energy Agency.

International Energy Agency (IEA) energy figures are based on the default methods and emissions factors from the Revised 1996 IPCC (Intergovernmental Panel on Climate Change) Guidelines for National Greenhouse Gas Inventories.

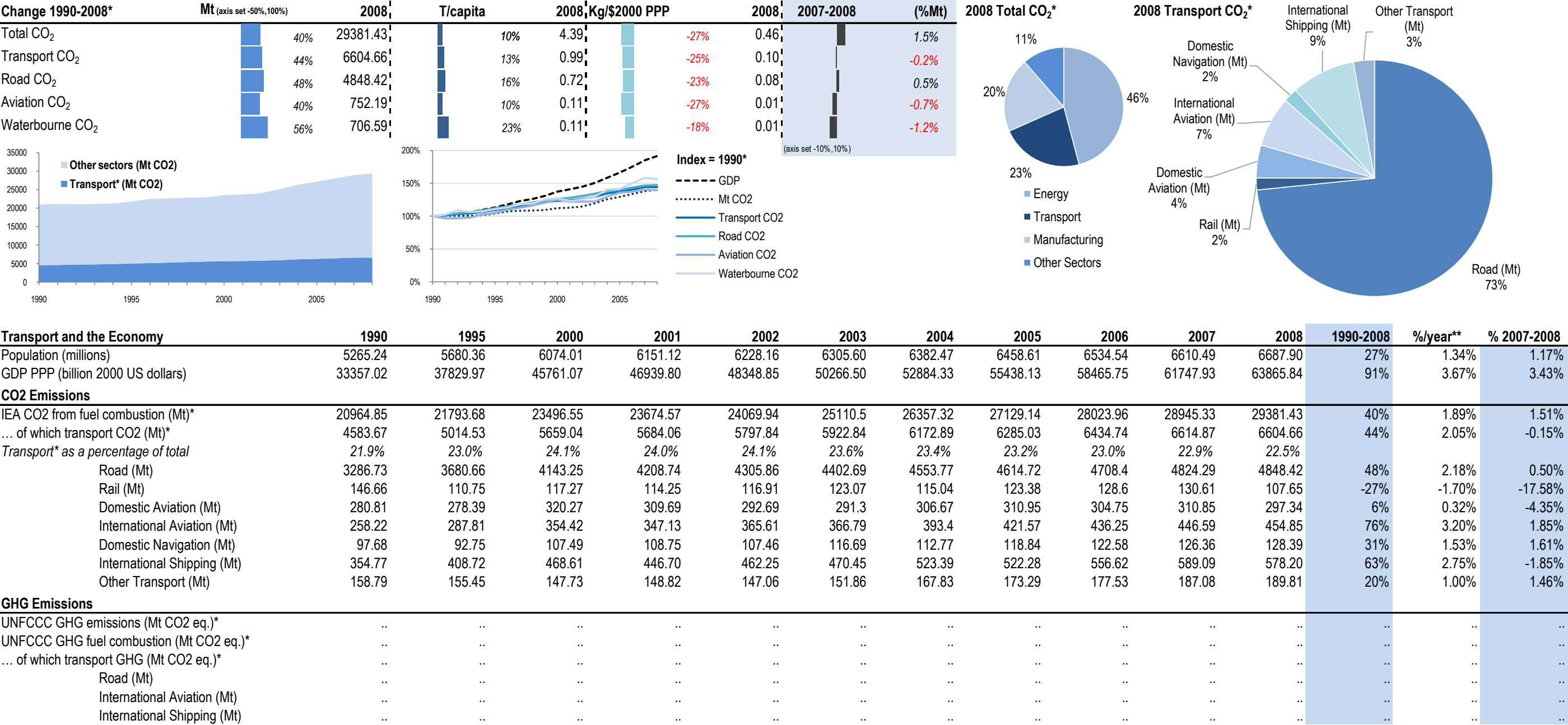
Important Cautionary Note:

There are many reasons why the IEA estimates may not be the same as the numbers that a country submits to the United Nations Framework Convention on Climate Change (UNFCCC), even if a country has accounted for all of its energy use and correctly applied the IPCC Guidelines. In addition, the IEA presents CO₂ emissions calculated using both the IPCC Reference Approach and the IPCC Tier 1 Sectoral Approach. In some of the non-OECD countries, there can be large differences between the two sets of calculations due to various problems in some energy data. As a consequence, this can lead to different emission trends between 1990 and 1999 for certain countries. For more details, visit the IEA web-site.

GLOBAL, OECD AND NON-OECD SUMMARY TABLES

Regional sheets

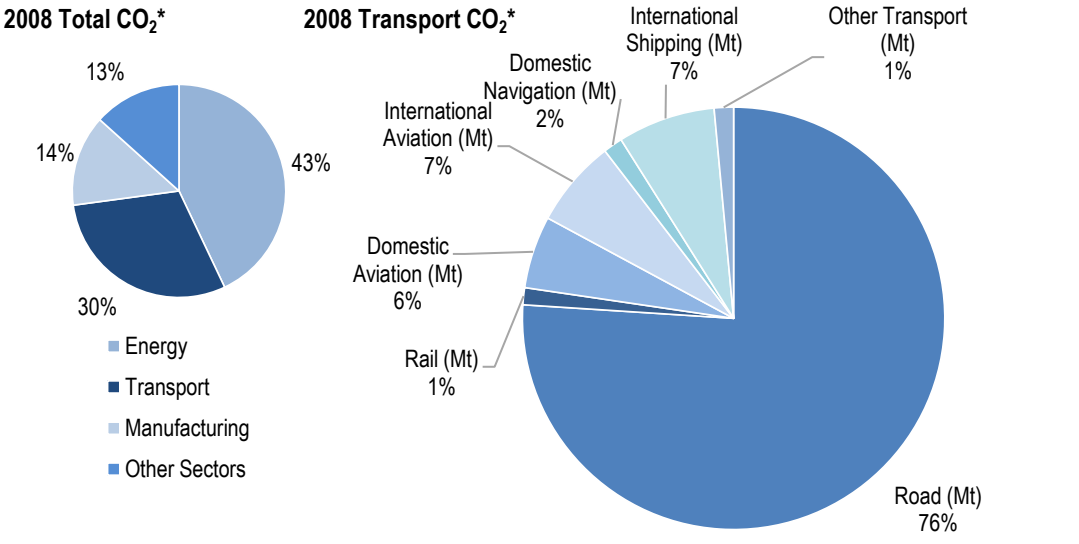
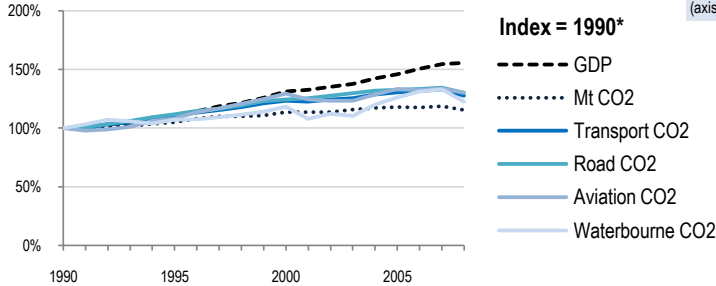
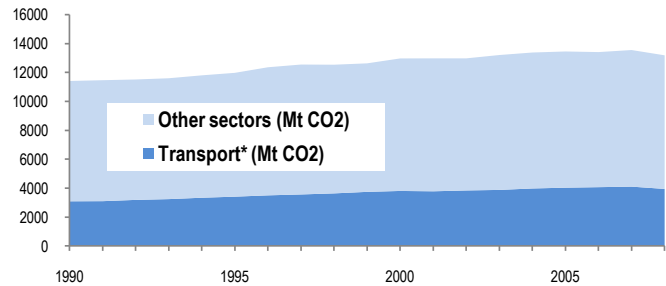
World



OECD Economies

OECD	Non-OECD
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Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂		16% 13188.46		1% 11.08		-26%	0.40	-2.7%
Transport CO ₂		28% 3945.32		12% 3.32		-18%	0.12	-3.8%
Road CO ₂		30% 2999.45		14% 2.52		-16%	0.09	-3.3%
Aviation CO ₂		30% 482.88		14% 0.41		-16%	0.01	-2.9%
Waterbourne CO ₂		22% 353.23		7% 0.30		-21%	0.01	-8.0%



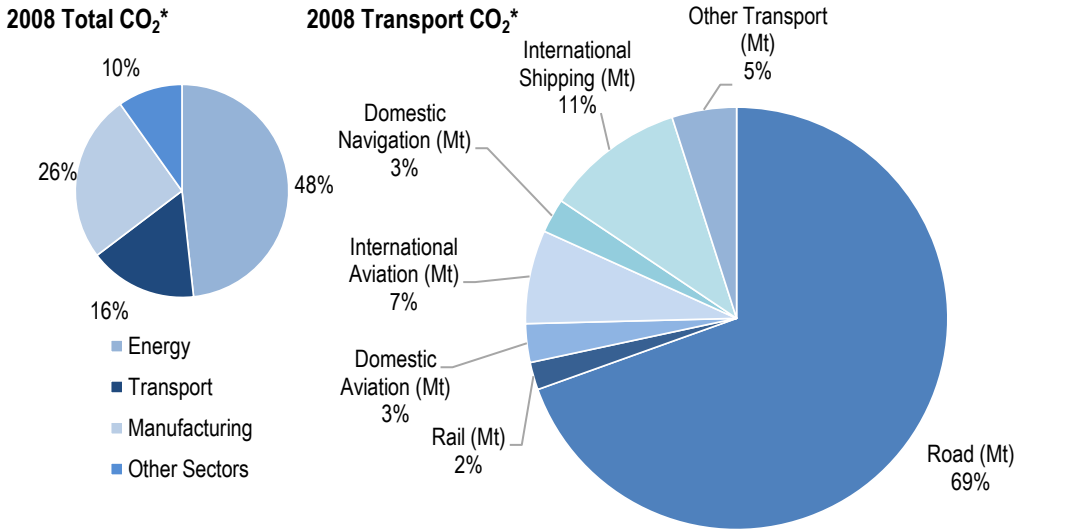
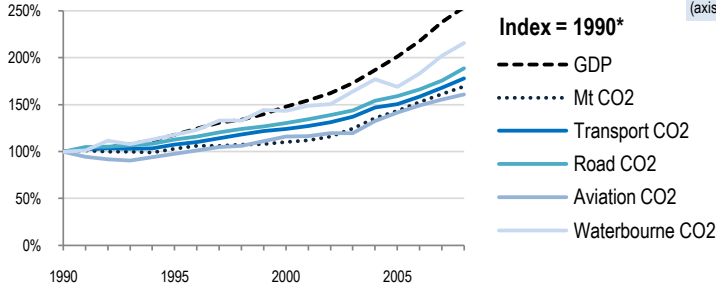
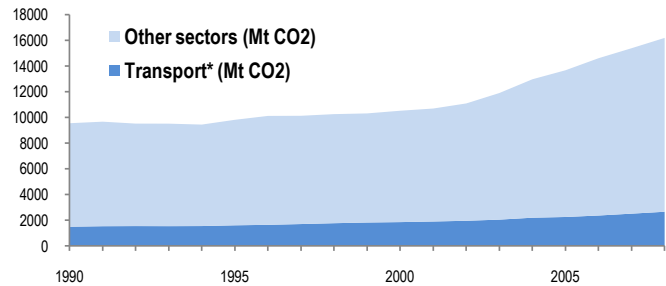
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	1042.73	1088.07	1126.77	1134.94	1142.86	1150.80	1158.55	1166.22	1173.80	1181.86	1189.82	14%	0.74%	0.67%
GDP PPP (billion 2000 US dollars)	21130.92	23430.05	27696.64	28058.09	28534.12	29097.87	30041.69	30852.08	31805.26	32671.82	32868.27	56%	2.48%	0.60%
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	11413.61	11976.88	12973.96	12978.46	12978.34	13209.59	13383.61	13455.8	13413.21	13554.21	13188.46	16%	0.81%	-2.70%
... of which transport CO2 (Mt)*	3088.94	3408.73	3803.68	3780.87	3838.89	3876.22	3975.41	4031.95	4066.94	4102.88	3945.32	28%	1.37%	-3.84%
Transport* as a percentage of total	27.1%	28.5%	29.3%	29.1%	29.6%	29.3%	29.7%	30.0%	30.3%	30.3%	29.9%			
Road (Mt)	2306.72	2575.1	2865.62	2892.28	2946.76	2995.32	3044.08	3058.18	3078.52	3101.68	2999.45	30%	1.47%	-3.30%
Rail (Mt)	56.55	53.41	51.35	49.8	49.93	50.27	52.77	57.32	61.36	59.89	51.47	-9%	-0.52%	-14.06%
Domestic Aviation (Mt)	232.64	232.65	264.38	254.69	237.1	236.53	244.82	246.48	236.58	237.16	218.75	-6%	-0.34%	-7.76%
International Aviation (Mt)	138.84	169.74	215.68	207.38	221.19	221.13	232.9	248.95	254.23	259.89	264.13	90%	3.64%	1.63%
Domestic Navigation (Mt)	58.24	56.05	58.95	56.77	55.93	59.56	57.99	60.23	60.95	60.17	58.51	0%	0.03%	-2.76%
International Shipping (Mt)	230.27	252.64	282.37	254.57	267.19	258.57	288.11	303.82	317.66	323.83	294.72	28%	1.38%	-8.99%
Other Transport (Mt)	65.67	69.13	65.33	65.38	60.8	54.84	54.73	56.97	57.64	60.27	58.29	-11%	-0.66%	-3.29%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Non-OECD Economies

OECD	Non-OECD
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Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	70%	16192.97	30%	2.95	-33%	0.52	5.2%
Transport CO ₂	78%	2659.33	37%	0.48	-30%	0.09	5.9%
Road CO ₂	89%	1848.97	45%	0.34	-26%	0.06	7.3%
Aviation CO ₂	61%	269.3	23%	0.05	-37%	0.01	3.4%
Waterbourne CO ₂	116%	353.36	66%	0.06	-15%	0.01	6.6%



Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	4222.51	4592.29	4947.24	5016.18	5085.29	5154.80	5223.92	5292.39	5360.74	5428.64	5498.08	30%	1.48%	1.28%
GDP PPP (billion 2000 US dollars)	12226.10	14399.92	18064.43	18881.71	19814.72	21168.63	22842.64	24586.05	26660.48	29076.11	30997.57	154%	5.30%	6.61%
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	9551.22	9816.81	10522.59	10696.11	11091.6	11900.91	12973.72	13673.34	14610.76	15391.12	16192.97	70%	2.98%	5.21%
... of which transport CO2 (Mt)*	1494.72	1605.8	1855.36	1903.19	1958.94	2046.62	2197.48	2253.08	2367.8	2511.99	2659.33	78%	3.25%	5.87%
Transport* as a percentage of total	15.6%	16.4%	17.6%	17.8%	17.7%	17.2%	16.9%	16.5%	16.2%	16.3%	16.4%			
Road (Mt)	980.01	1105.56	1277.62	1316.46	1359.1	1407.36	1509.69	1556.54	1629.88	1722.61	1848.97	89%	3.59%	7.34%
Rail (Mt)	90.11	57.33	65.92	64.44	66.98	72.81	62.27	66.06	67.23	70.72	56.18	-38%	-2.59%	-20.56%
Domestic Aviation (Mt)	48.17	45.73	55.89	54.99	55.59	54.77	61.85	64.47	68.17	73.69	78.59	63%	2.76%	6.65%
International Aviation (Mt)	119.38	118.07	138.74	139.75	144.42	145.66	160.5	172.62	182.02	186.7	190.71	60%	2.64%	2.15%
Domestic Navigation (Mt)	39.44	36.7	48.54	51.98	51.53	57.13	54.78	58.61	61.63	66.2	69.88	77%	3.23%	5.56%
International Shipping (Mt)	124.49	156.09	186.24	192.13	195.06	211.88	235.29	218.46	238.96	265.26	283.48	128%	4.68%	6.87%
Other Transport (Mt)	93.11	86.32	82.4	83.43	86.27	97.01	113.1	116.31	119.9	126.81	131.52	41%	1.94%	3.71%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

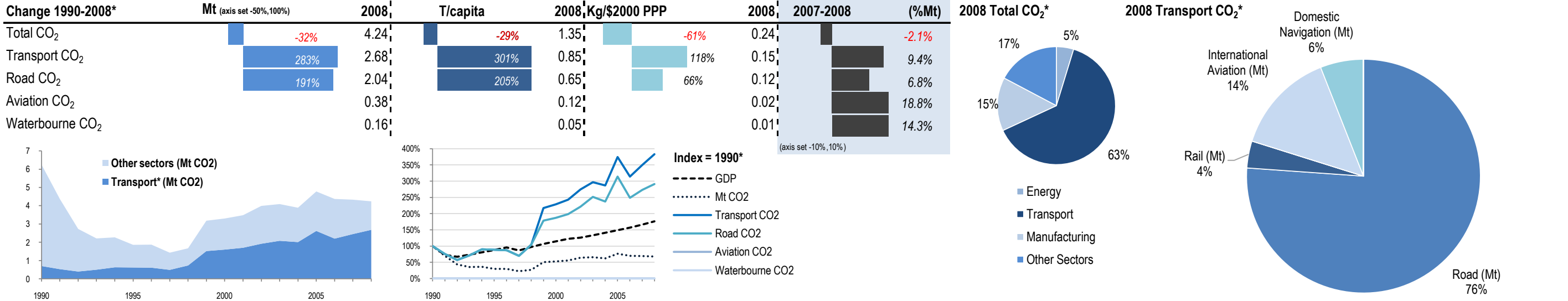
* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

INTERNATIONAL TRANSPORT FORUM MEMBERS

Country sheets

Albania

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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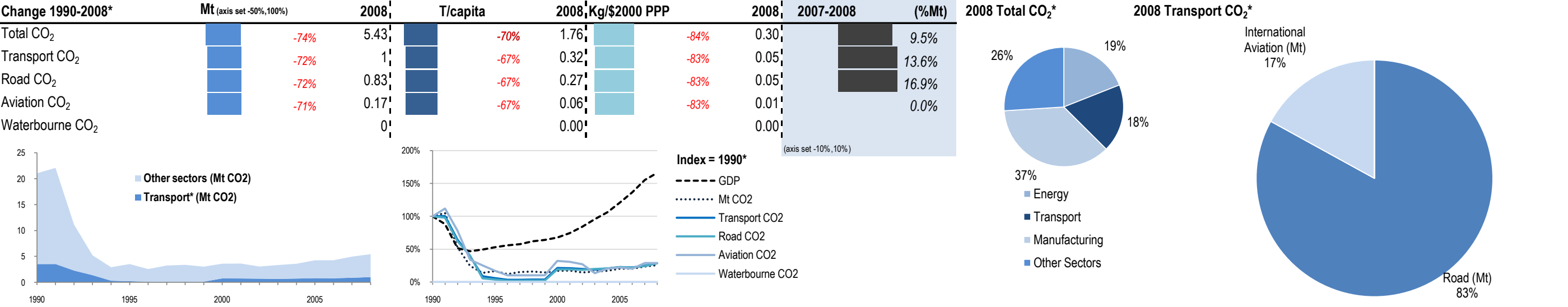


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	3.29	3.13	3.07	3.07	3.08	3.09	3.10	3.11	3.12	3.13	3.14	-5%	-0.26%	0.32%
GDP PPP (billion 2000 US dollars)	9.93	8.73	11.39	12.18	12.54	13.25	14.03	14.80	15.55	16.48	17.47	76%	3.19%	6.01%
Road passenger km (million pkm)	2174	4955	5299	5370	6065	6495	6481	6925	7350	7040	6437	196%	6.22%	-8.57%
Road and Rail freight tkm (million tkm)	1779	2130	2192	2250	2373	2562	2830	3236	3342	3637	4150	133%	4.82%	14.11%
Road pkm/capita	661	1583	1726	1749	1969	2102	2091	2227	2356	2249	2050	210%	6.49%	-8.86%
Road and Rail freight tkm/\$ gdp	0.18	0.24	0.19	0.18	0.19	0.19	0.20	0.22	0.21	0.22	0.24	33%	1.58%	7.64%
Passenger cars per 1000 inhabitants	2	18	37	44	48	..	61	62	71	75	..	..	23.76%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	6.25	1.86	3.3	3.48	3.99	4.09	3.89	4.78	4.37	4.33	4.24	-32%	-2.13%	-2.08%
... of which transport CO ₂ (Mt)*	0.7	0.62	1.6	1.7	1.92	2.08	2.01	2.62	2.2	2.45	2.68	283%	7.74%	9.39%
Transport* as a percentage of total	11.2%	33.3%	48.5%	48.9%	48.1%	50.9%	51.7%	54.8%	50.3%	56.6%	63.2%			
Road (Mt)	0.7	0.62	1.31	1.39	1.55	1.76	1.66	2.2	1.74	1.91	2.04	191%	6.12%	6.81%
Rail (Mt)	0	0	0.1	0.09	0.09	0.09	0.09	0.06	0.06	0.09	0.1	..	1.33%	11.11%
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	0.00	0	0.12	0.14	0.14	0.15	0.18	0.22	0.26	0.32	0.38	..	13.29%	18.75%
Domestic Navigation (Mt)	0	0	0.07	0.08	0.13	0.09	0.08	0.13	0.13	0.14	0.16	..	9.05%	14.29%
International Shipping (Mt)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	..	..
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Armenia

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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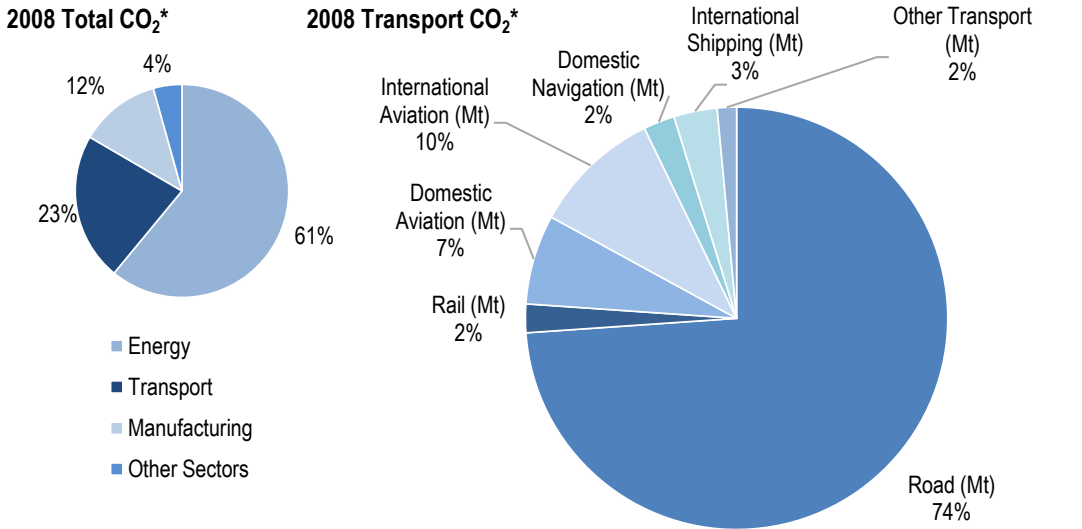
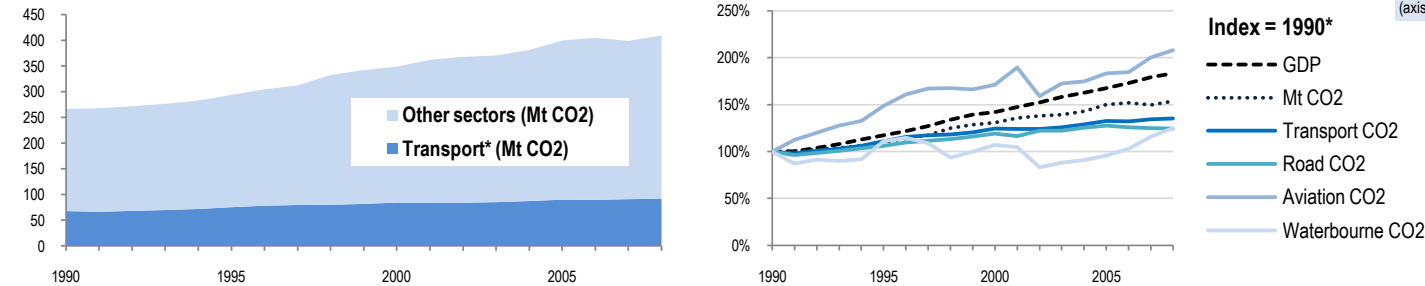
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	3.55	3.22	3.08	3.07	3.06	3.06	3.06	3.07	3.07	3.07	3.08	-13%	-0.79%	0.33%
GDP PPP (billion 2000 US dollars)	11.01	5.81	7.46	8.18	9.26	10.55	11.66	13.28	15.04	17.10	18.26	66%	2.85%	6.78%
Road passenger km (million pkm)	0	0	1437	1678	1813	1959	2066	2223	2436	2521	2521	..	7.28%	0.00%
Road and Rail freight tkm (million tkm)	0	0	354	487	657	809	888	885	1100	1481	1805	..	22.58%	21.88%
Road pkm/capita	0	0	467	547	592	640	675	724	793	821	819	..	7.28%	-0.32%
Road and Rail freight tkm/\$ gdp	0	0	0.05	0.06	0.07	0.08	0.08	0.07	0.07	0.09	0.10	..	9.61%	14.13%
Passenger cars per 1000 inhabitants	1	0	..	..	..	..	..	..	..	96	..	..	30.80%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	21.05	3.52	3.59	3.62	3.05	3.33	3.58	4.25	4.26	4.96	5.43	-74%	-7.25%	9.48%
... of which transport CO2 (Mt)*	3.52	0.21	0.75	0.74	0.7	0.66	0.72	0.8	0.78	0.88	1	-72%	-6.75%	13.64%
Transport* as a percentage of total	16.7%	6.0%	20.9%	20.4%	23.0%	19.8%	20.1%	18.8%	18.3%	17.7%	18.4%			
Road (Mt)	2.93	0.11	0.56	0.56	0.54	0.58	0.6	0.67	0.66	0.71	0.83	-72%	-6.77%	16.90%
Rail (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	0.59	0.1	0.19	0.18	0.16	0.08	0.12	0.13	0.12	0.17	0.17	-71%	-6.68%	0.00%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Australia



Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	54%	409.64	23%	19.04	-16%	0.60	2.7%	
Transport CO ₂	35%	91.82	8%	4.27	-26%	0.14	0.9%	
Road CO ₂	24%	67.85	-1%	3.15	-32%	0.10	-0.4%	
Aviation CO ₂	108%	15.35	66%	0.71	13%	0.02	3.9%	
Waterbourne CO ₂	25%	5.25	0%	0.24	-32%	0.01	7.8%	

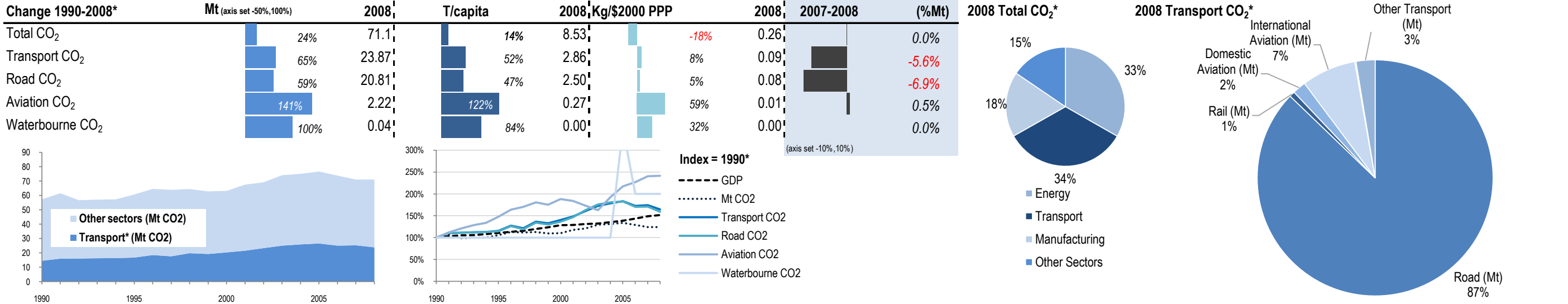


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	17.17	18.19	19.27	19.53	19.75	19.99	20.23	20.52	20.82	21.15	21.51	25%	1.26%	1.70%
GDP PPP (billion 2000 US dollars)	370.03	434.06	525.42	545.39	562.84	585.35	601.74	619.79	640.25	663.81	679.00	83%	3.43%	2.29%
Road passenger km (million pkm)	218980	240599	258721	256364	262463	269127	281188	281982	280762	283293	283111	29%	1.44%	-0.06%
Road and Rail freight tkm (million tkm)	169550	213870	268756	276275	296630	311047	324947	349439	362383	380893	388346	129%	4.71%	1.96%
Road pkm/capita	12754	13227	13426	13127	13289	13463	13900	13742	13485	13394	13162	3%	0.18%	-1.74%
Road and Rail freight tkm/\$ gdp	0.46	0.49	0.51	0.51	0.53	0.53	0.54	0.56	0.57	0.57	0.57	25%	1.24%	-0.32%
Passenger cars per 1000 inhabitants	450	478	..	..	..	524	531	542	..	545	..	..	1.13%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	266.51	294	348.91	362.22	367.88	370.68	381.33	399.72	405.02	398.97	409.64	54%	2.42%	2.67%
... of which transport CO2 (Mt)*	67.82	75.39	84.36	84.18	84.05	85.2	87.34	90.04	89.55	90.98	91.82	35%	1.70%	0.92%
Transport* as a percentage of total	25.4%	25.6%	24.2%	23.2%	22.8%	23.0%	22.9%	22.5%	22.1%	22.8%	22.4%			
Road (Mt)	54.5	57.84	64.92	63.45	66.62	66.55	68.24	69.64	68.49	68.13	67.85	24%	1.22%	-0.41%
Rail (Mt)	1.71	1.52	1.79	1.81	1.48	1.52	1.63	2.09	1.86	1.92	2.01	18%	0.90%	4.69%
Domestic Aviation (Mt)	3.09	5.23	5.49	6.04	5.44	5.87	5.99	5.41	5.45	5.65	6.3	104%	4.04%	11.50%
International Aviation (Mt)	4.29	5.75	7.15	7.95	6.29	6.86	6.92	8.1	8.18	9.13	9.05	111%	4.23%	-0.88%
Domestic Navigation (Mt)	2.06	1.87	1.53	1.82	1.1	1.31	1.07	1.22	1.12	2.2	2.2	7%	0.37%	0.00%
International Shipping (Mt)	2.14	2.79	2.96	2.57	2.40	2.40	2.75	2.81	3.21	2.67	3.05	43%	1.99%	14.23%
Other Transport (Mt)	0.02	0.4	0.52	0.53	0.72	0.7	0.73	0.76	1.23	1.29	1.35	6650%	26.37%	4.65%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	424.83	449.62	506.37	517.80	518.49	526.26	535.94	538.68	544.86	553.22	561.71	32%	1.56%	1.54%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	263.46	290.11	335.90	342.16	346.01	359.06	366.51	371.31	374.93	380.75	388.83	48%	2.19%	2.12%
... of which transport GHG (Mt CO2 eq.)*	68.55	76.84	85.09	84.02	84.87	84.66	89.79	89.82	90.61	91.56	92.39	35%	1.67%	0.91%
Road (Mt)	54.33	58.88	65.92	64.41	66.68	67.37	70.79	69.58	69.74	69.42	69.25	27%	1.36%	-0.25%
International Aviation (Mt)	4.38	5.90	7.39	7.86	6.75	5.97	7.17	8.29	8.38	9.35	9.26	112%	4.25%	-0.89%
International Shipping (Mt)	2.08	2.70	2.80	2.63	2.87	2.79	2.82	2.65	3.15	2.55	2.91	40%	1.89%	14.17%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Austria

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
71.1 Mt				

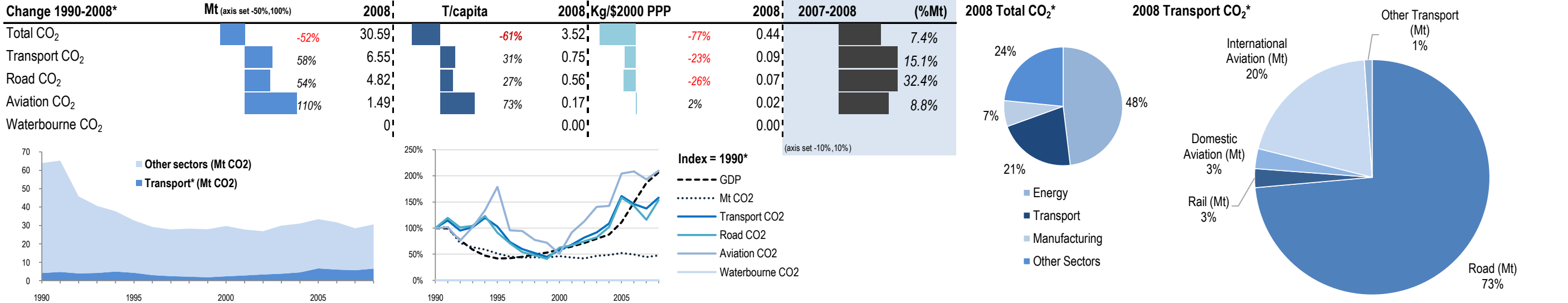


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	7.68	7.95	8.01	8.04	8.08	8.12	8.17	8.23	8.27	8.30	8.34	9%	0.46%	0.48%
GDP PPP (billion 2000 US dollars)	179.64	198.98	230.52	231.72	235.53	237.42	243.46	249.45	258.08	267.24	272.71	52%	2.35%	2.05%
Road passenger km (million pkm)	67722	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	21697	28594	33756	34451	34959	35010	35310	33953	39825	40019	40075	85%	3.47%	0.14%
Road pkm/capita	8818	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	0.12	0.14	0.15	0.15	0.15	0.15	0.15	0.14	0.15	0.15	0.15	22%	1.10%	-1.87%
Passenger cars per 1000 inhabitants	387	447	501	520	493	499	503	..	507	511	..	..	1.65%	..
CO₂ Emissions														
IEA CO ₂ from fuel combustion (Mt)*	57.29	60.66	63.19	67.52	69.17	74.08	75.06	76.64	73.83	71.09	71.1	24%	1.21%	0.01%
... of which transport CO ₂ (Mt)*	14.5	16.73	20.34	21.53	23.32	25.04	25.91	26.56	25.05	25.28	23.87	65%	2.81%	-5.58%
Transport* as a percentage of total	25.3%	27.6%	32.2%	31.9%	33.7%	33.8%	34.5%	34.7%	33.9%	35.6%	33.6%			
Road (Mt)	13.06	14.93	17.84	19.17	21.25	22.95	23.56	23.9	22.22	22.35	20.81	59%	2.62%	-6.89%
Rail (Mt)	0.18	0.14	0.14	0.14	0.14	0.15	0.15	0.18	0.18	0.18	0.18	0%	0.00%	0.00%
Domestic Aviation (Mt)	0.1	0.07	0.1	0.12	0.12	0.24	0.29	0.33	0.34	0.53	0.44	340%	8.58%	-16.98%
International Aviation (Mt)	0.82	1.29	1.63	1.57	1.47	1.26	1.48	1.67	1.75	1.68	1.78	117%	4.40%	5.95%
Domestic Navigation (Mt)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.07	0.04	0.04	0.04	100%	3.93%	0.00%
International Shipping (Mt)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	..	..
Other Transport (Mt)	0.32	0.28	0.61	0.53	0.34	0.43	0.41	0.41	0.51	0.5	0.62	94%	3.74%	24.00%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	79.09	81.19	82.03	86.22	87.85	93.42	92.74	94.97	91.81	89.20	88.88	12%	0.65%	-0.35%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	56.01	58.68	60.44	64.87	66.02	71.73	72.00	73.80	70.25	67.21	66.50	19%	0.96%	-1.06%
... of which transport GHG (Mt CO ₂ eq.)*	14.93	17.35	20.87	22.08	23.91	25.67	26.46	27.03	25.79	26.07	24.78	66%	2.85%	-4.97%
Road (Mt)	13.52	15.49	18.32	19.66	21.77	23.54	24.04	24.35	22.92	23.10	21.67	60%	2.66%	-6.19%
International Aviation (Mt)	0.90	1.34	1.71	1.67	1.56	1.47	1.74	1.98	2.07	2.20	2.21	146%	5.13%	0.29%
International Shipping (Mt)	0.02	0.02	0.02	0.02	0.03	0.02	0.07	0.07	0.05	0.04	0.03	70%	2.99%	-13.03%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Azerbaijan

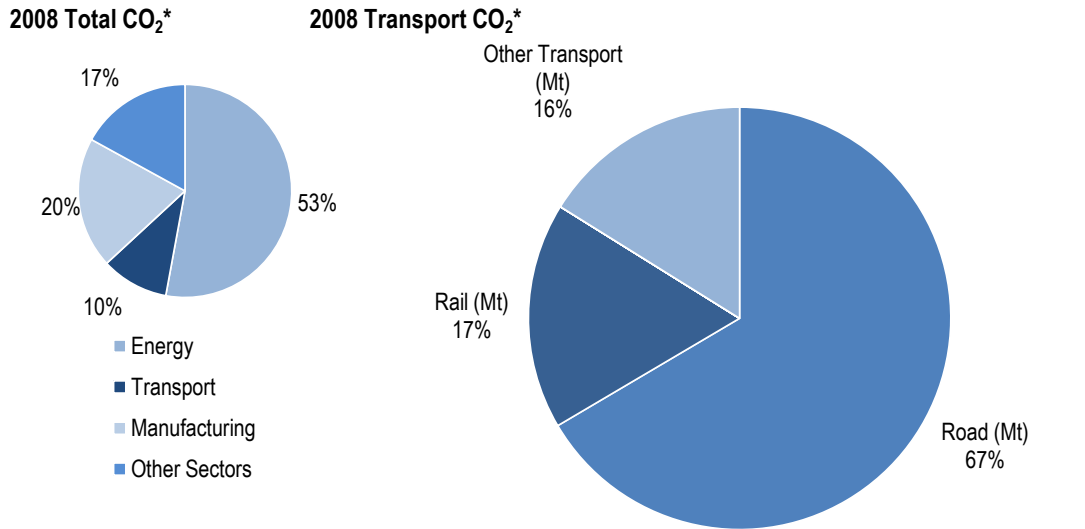
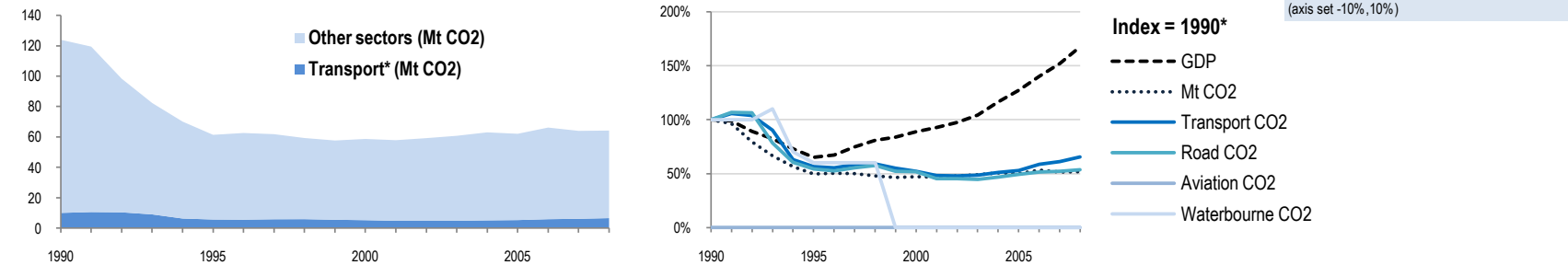
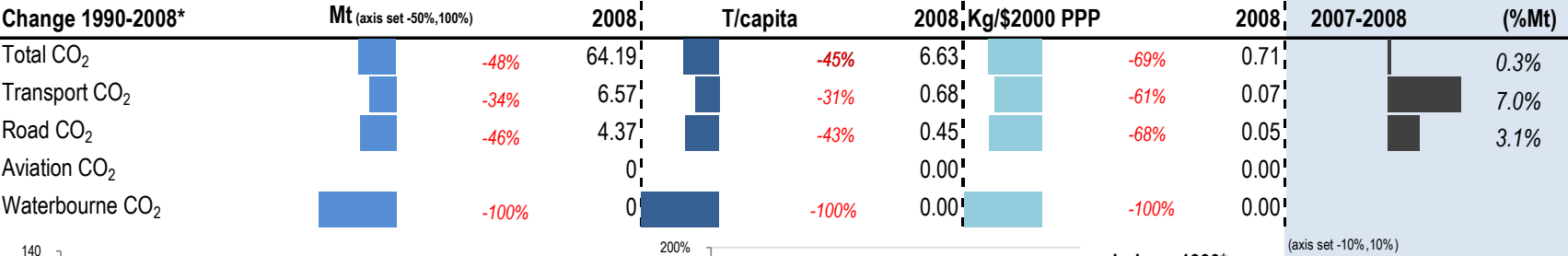
EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	7.16	7.69	8.05	8.11	8.17	8.23	8.31	8.39	8.49	8.58	8.68	21%	1.08%	1.17%
GDP PPP (billion 2000 US dollars)	33.83	14.16	19.92	21.90	24.22	26.93	29.68	37.51	50.45	63.09	69.90	107%	4.11%	10.79%
Road passenger km (million pkm)	7480	4664	9153	9442	9603	9861	10279	10892	11786	12893	14041	88%	3.56%	8.90%
Road and Rail freight tkm (million tkm)	40363	4258	9451	11251	12807	14262	14814	17498	19627	19867	20338	-50%	-3.74%	2.37%
Road pkm/capita	1045	607	1137	1164	1175	1198	1237	1298	1388	1503	1618	55%	2.46%	7.65%
Road and Rail freight tkm/\$ gdp	1.19	0.30	0.47	0.51	0.53	0.53	0.50	0.47	0.39	0.31	0.29	-76%	-7.54%	-7.60%
Passenger cars per 1000 inhabitants	36	36	41	42	43	49	53	57	..	..	..	..	3.11%	..
CO₂ Emissions														
IEA CO ₂ from fuel combustion (Mt)*	63.91	32.75	29.73	27.81	26.87	29.93	31.05	33.44	31.71	28.48	30.59	-52%	-4.01%	7.41%
... of which transport CO ₂ (Mt)*	4.14	4.27	2.39	2.84	3.38	3.8	4.51	6.67	6.04	5.69	6.55	58%	2.58%	15.11%
Transport* as a percentage of total	6.5%	13.0%	8.0%	10.2%	12.6%	12.7%	14.5%	19.9%	19.0%	20.0%	21.4%			
Road (Mt)	3.14	2.87	1.96	2.11	2.35	2.58	3.21	4.96	4.47	3.64	4.82	54%	2.41%	32.42%
Rail (Mt)	0	0.04	0	0	0	0	0	0	0	0.57	0.17	..	..	-70.18%
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0.21	0.18	..	..	-14.29%
International Aviation (Mt)	0.71	1.27	0.36	0.65	0.8	1	1.01	1.45	1.48	1.16	1.31	85%	3.46%	12.93%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	0.29	0.09	0.06	0.07	0.23	0.21	0.28	0.27	0.09	0.11	0.07	-76%	-7.59%	-36.36%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Belarus



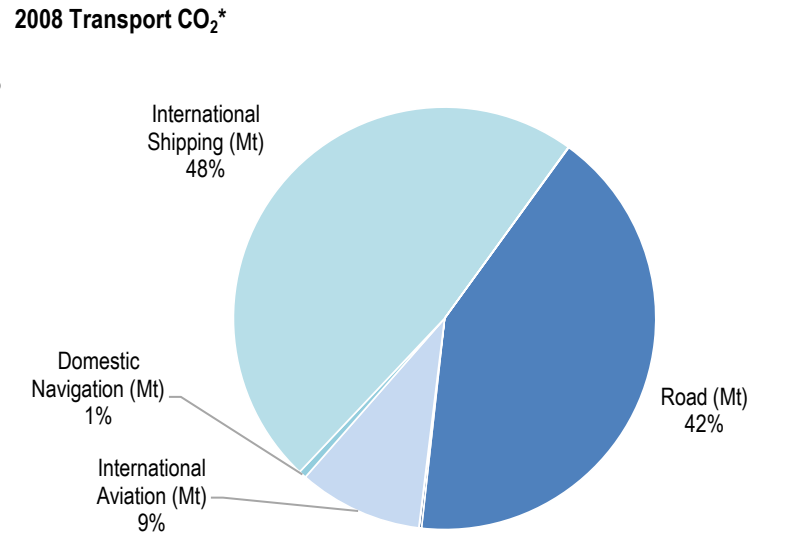
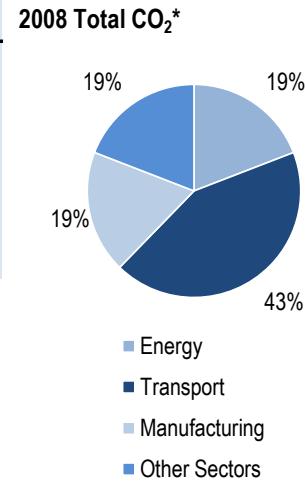
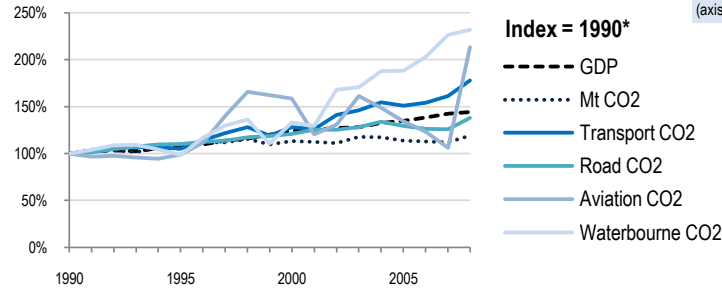
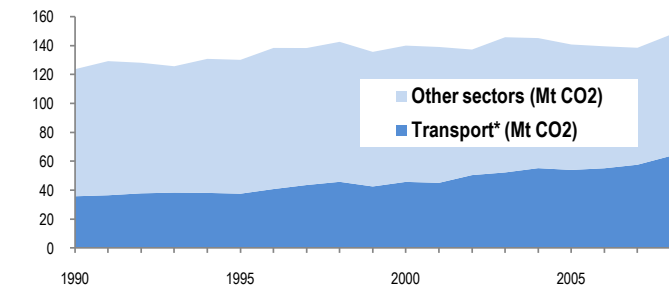
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	10.19	10.19	10.01	9.97	9.93	9.87	9.82	9.78	9.73	9.70	9.68	-5%	-0.28%	-0.21%
GDP PPP (billion 2000 US dollars)	54.19	35.38	48.05	50.32	52.86	56.59	63.06	69.02	75.92	82.45	90.69	67%	2.90%	9.99%
Road passenger km (million pkm)	19787	9308	9235	9493	9397	9768	9382	9231	9343	9353	8220	-58%	-4.76%	-12.11%
Road and Rail freight tkm (million tkm)	97791	35049	41170	39968	45569	51112	54300	58604	61502	67133	71761	-27%	-1.70%	6.89%
Road pkm/capita	1942	913	923	952	946	990	955	944	960	964	849	-56%	-4.49%	-11.93%
Road and Rail freight tkm/\$ gdp	1.80	0.99	0.86	0.79	0.86	0.90	0.86	0.85	0.81	0.81	0.79	-56%	-4.48%	-2.82%
Passenger cars per 1000 inhabitants	59	92	142	147	156	168	174	181	183	240	..	..	8.60%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	123.97	61.38	58.68	57.86	59.21	60.76	63.02	62.08	66.16	63.99	64.19	-48%	-3.59%	0.31%
... of which transport CO ₂ (Mt)*	10.01	5.67	5.24	4.83	4.81	4.85	5.1	5.3	5.88	6.14	6.57	-34%	-2.31%	7.00%
Transport* as a percentage of total	8.1%	9.2%	8.9%	8.3%	8.1%	8.0%	8.1%	8.5%	8.9%	9.6%	10.2%			
Road (Mt)	8.14	4.41	4.22	3.7	3.68	3.64	3.81	4.02	4.2	4.24	4.37	-46%	-3.40%	3.07%
Rail (Mt)	1.61	1.09	0.72	0.81	0.69	0.72	0.76	0.82	0.89	0.93	1.14	-29%	-1.90%	22.58%
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Domestic Navigation (Mt)	0.1	0.06	0	0	0	0	0	0	0	0	0	-100%	..	..
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	0.16	0.1	0.3	0.32	0.43	0.49	0.54	0.47	0.8	0.98	1.06	563%	11.08%	8.16%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	145.98	83.08	79.02	77.29	77.08	78.92	83.46	84.73	88.53	87.85	91.36	-37%	-2.57%	3.99%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	106.58	56.24	51.41	50.48	50.44	50.58	53.77	53.93	56.16	55.22	57.19	-46%	-3.40%	3.58%
... of which transport GHG (Mt CO ₂ eq.)*	18.65	5.05	3.32	3.34	4.38	4.25	4.69	4.70	5.84	5.89	6.61	-65%	-5.60%	12.28%
Road (Mt)	13.02	4.43	2.10	2.07	2.96	2.72	3.13	3.23	4.07	3.93	4.51	-65%	-5.72%	14.78%
International Aviation (Mt)	5.58	0.21	0.19	0.21	0.25	0.27	0.26	0.21	0.16	0.22	0.25	-96%	-15.87%	14.72%
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Belgium

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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147.5 Mt											
Change 1990-2008*	Mt (axis set -50%,100%)		2008,	T/capita		2008,	Kg/\$2000 PPP		2008,	2007-2008	(%Mt)
Total CO ₂	19%	147.5,	11%	13.77,	-17%	0.45,				6.5%	
Transport CO ₂	78%	63.63,	66%	5.94,	24%	0.19,				10.5%	
Road CO ₂	38%	26.56,	28%	2.48,	-4%	0.08,				9.4%	
Aviation CO ₂	113%	6.06,	99%	0.57,	48%	0.02,				101.3%	
Waterbourne CO ₂	132%	30.86,	116%	2.88,	61%	0.09,				2.4%	
							(axis set -10%,10%)				

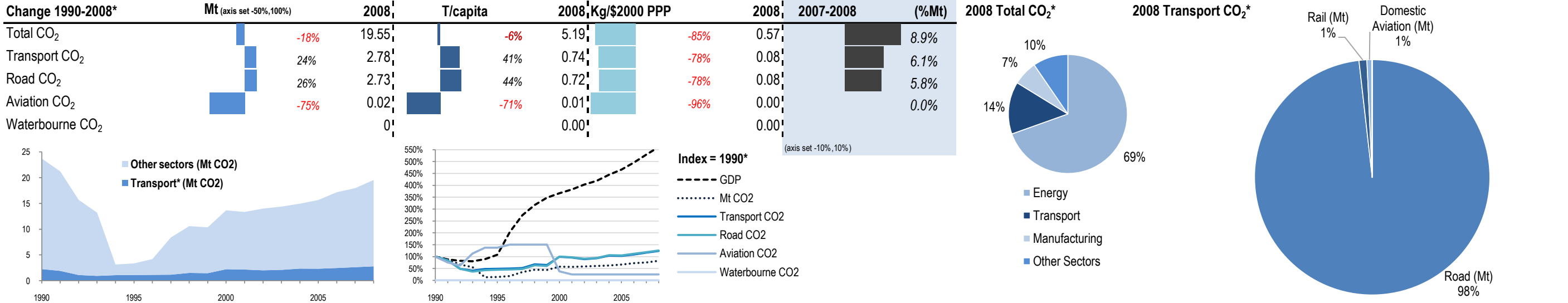


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	9.97	10.14	10.25	10.28	10.33	10.37	10.42	10.47	10.54	10.62	10.71	7%	0.40%	0.85%
GDP PPP (billion 2000 US dollars)	227.21	245.90	283.08	285.30	289.20	291.47	300.90	306.22	314.69	323.96	327.32	44%	2.05%	1.04%
Road passenger km (million pkm)	92158	104228	119400	121470	123960	124730	126800	126960	127990	132300	131270	42%	1.98%	-0.78%
Road and Rail freight tkm (million tkm)	40403	54423	58697	60238	60814	57835	55569	51888	51604	50233	46825	16%	0.82%	-6.78%
Road pkm/capita	9244	10279	11649	11816	12000	12028	12169	12126	12143	12458	12257	33%	1.58%	-1.61%
Road and Rail freight tkm/\$ gdp	0.18	0.22	0.21	0.21	0.21	0.20	0.18	0.17	0.16	0.16	0.14	-20%	-1.20%	-7.74%
Passenger cars per 1000 inhabitants	385	418	456	461	467	465	468	..	474	471	..	..	1.19%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	123.68	130.13	139.99	139.06	137.27	145.79	145.19	140.77	139.51	138.49	147.5	19%	0.98%	6.51%
... of which transport CO ₂ (Mt)*	35.73	37.52	45.7	45.03	50.39	52.23	55.18	53.97	55.11	57.56	63.63	78%	3.26%	10.55%
<i>Transport* as a percentage of total</i>	28.9%	28.8%	32.6%	32.4%	36.7%	35.8%	38.0%	38.3%	39.5%	41.6%	43.1%			
Road (Mt)	19.26	21.22	23.25	24.12	24.16	24.71	25.76	24.89	24.36	24.27	26.56	38%	1.80%	9.44%
Rail (Mt)	0.22	0.24	0.18	0.17	0.1	0.13	0.12	0.13	0.13	0.11	0.12	-45%	-3.31%	9.09%
Domestic Aviation (Mt)	0.02	0.2	0.14	0.11	0.05	0.22	0.22	0.01	0.01	0.01	0.01	-50%	-3.78%	0.00%
International Aviation (Mt)	2.82	2.61	4.37	3.31	3.66	4.36	4.01	3.8	3.49	3	6.05	115%	4.33%	101.67%
Domestic Navigation (Mt)	0.4	0.8	0.67	0.59	0.66	0.81	0.36	0.68	0.65	0.6	0.37	-8%	-0.43%	-38.33%
International Shipping (Mt)	12.91	12.31	17.02	16.63	21.73	21.93	24.65	24.40	26.40	29.54	30.49	136%	4.89%	3.22%
Other Transport (Mt)	0.11	0.15	0.06	0.1	0.04	0.07	0.06	0.07	0.08	0.03	0.02	-82%	-9.04%	-33.33%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	159.81	165.42	165.37	164.80	168.92	172.20	173.27	169.98	167.22	164.45	166.69	4%	0.23%	1.36%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	127.94	131.09	136.22	136.76	140.81	145.22	145.73	142.95	141.11	139.17	142.20	11%	0.59%	2.17%
... of which transport GHG (Mt CO ₂ eq.)*	36.89	38.36	45.41	45.73	51.79	52.99	55.18	54.79	56.71	59.59	61.07	66%	2.84%	2.48%
Road (Mt)	19.62	21.68	23.84	24.49	24.81	25.34	26.33	25.43	24.95	24.58	26.86	37%	1.76%	9.27%
International Aviation (Mt)	3.10	2.89	4.66	4.22	3.51	3.82	3.73	3.55	3.69	3.80	4.12	33%	1.59%	8.42%
International Shipping (Mt)	13.32	12.97	16.06	16.21	22.65	22.98	24.26	24.97	27.30	30.44	29.31	120%	4.48%	-3.70%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Bosnia and Herzegovina

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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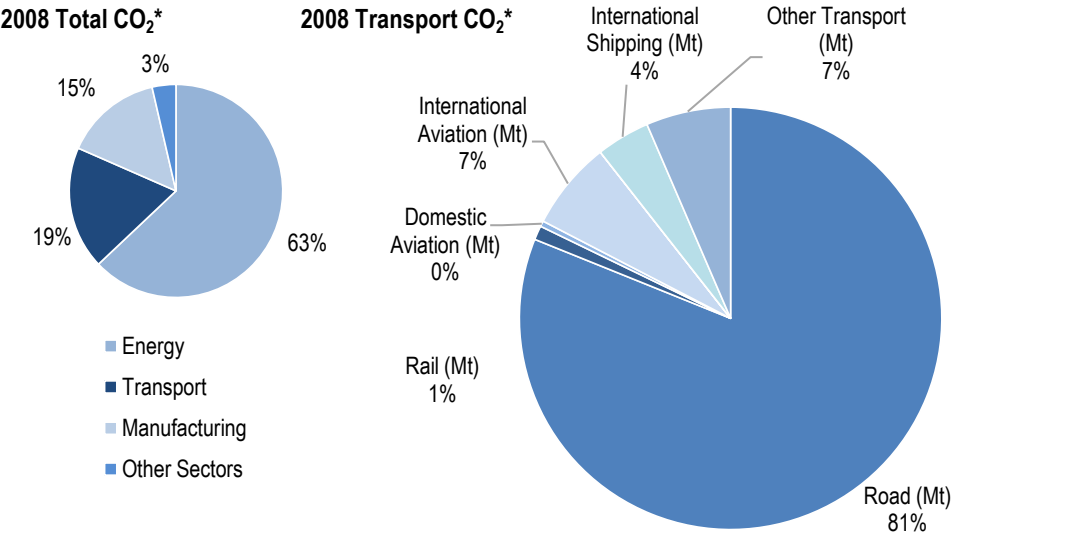
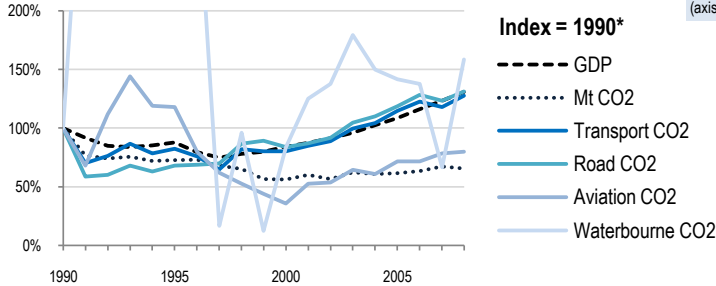
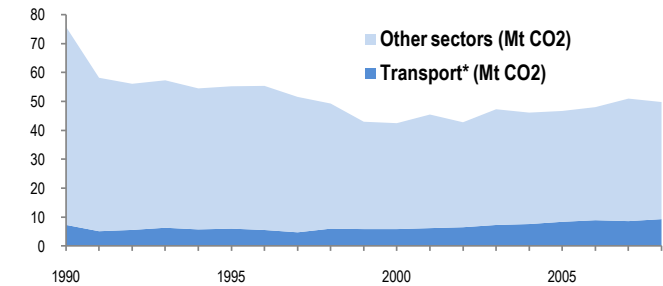
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	4.31	3.33	3.69	3.75	3.78	3.78	3.78	3.78	3.78	3.78	3.77	-13%	-0.74%	-0.26%
GDP PPP (billion 2000 US dollars)	6.11	6.60	22.39	23.38	24.62	25.60	27.17	28.52	30.29	32.36	34.31	462%	10.06%	6.03%
Road passenger km (million pkm)	2737	112	0	0	0	0	0	0	0	2038	2113	-23%	-1.43%	3.68%
Road and Rail freight tkm (million tkm)	7075	71	140	280	308	318	363	379	372	2736	3115	-56%	-4.46%	13.85%
Road pkm/capita	635	34	0	0	0	0	0	0	0	539	560	-12%	-0.69%	3.96%
Road and Rail freight tkm/\$ gdp	1.16	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.09	-92%	-13.19%	7.38%
Passenger cars per 1000 inhabitants	101	18	..	..	..	..	..	..	..	152	..	..	2.43%	..
CO ₂ Emissions														
IEA CO ₂ from fuel combustion (Mt)*	23.71	3.35	13.66	13.34	13.99	14.38	14.94	15.66	17.17	17.96	19.55	-18%	-1.07%	8.85%
... of which transport CO ₂ (Mt)*	2.25	1.1	2.22	2.16	2.01	2.1	2.34	2.32	2.46	2.62	2.78	24%	1.18%	6.11%
Transport* as a percentage of total	9.5%	32.8%	16.3%	16.2%	14.4%	14.6%	15.7%	14.8%	14.3%	14.6%	14.2%			
Road (Mt)	2.17	0.97	2.17	2.11	1.97	2.05	2.3	2.28	2.42	2.58	2.73	26%	1.28%	5.81%
Rail (Mt)	0	0.01	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.03	..	..	0.00%
Domestic Aviation (Mt)	0	0.11	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	..	..	0.00%
International Aviation (Mt)	0.08	0	0	0	0	0	0	0	0	0	0	-100%	..	..
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Bulgaria



Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,	Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	-34% 49.79	-25% 6.53	-50% 0.65	-2.3%				
Transport CO ₂	28% 9.27	46% 1.22	-2% 0.12	8.0%				
Road CO ₂	31% 7.51	50% 0.99	0% 0.10	6.4%				
Aviation CO ₂	-20% 0.67	-9% 0.09	-39% 0.01	1.5%				
Waterbourne CO ₂	58% 0.38	81% 0.05	21% 0.00	137.5%				



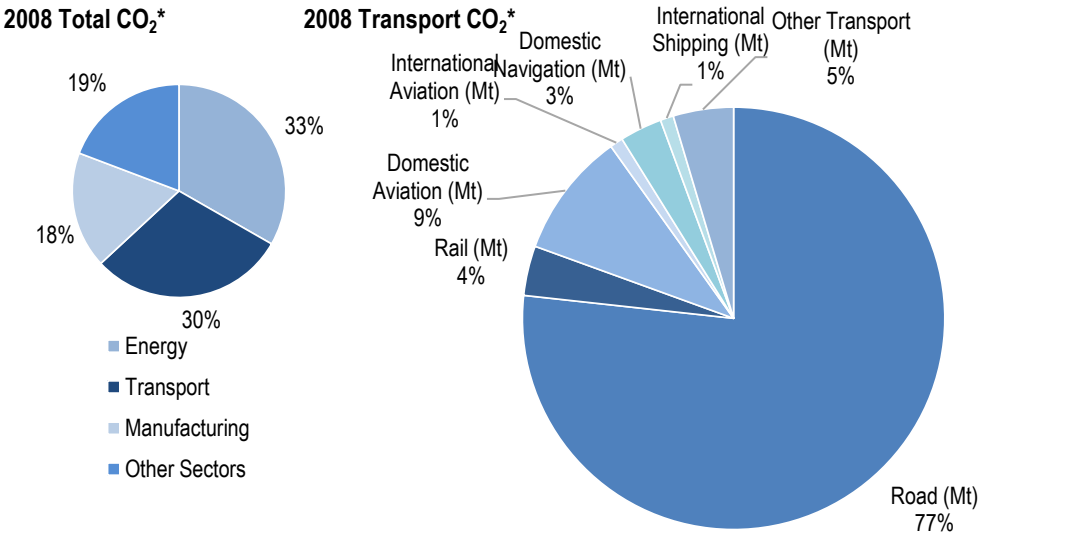
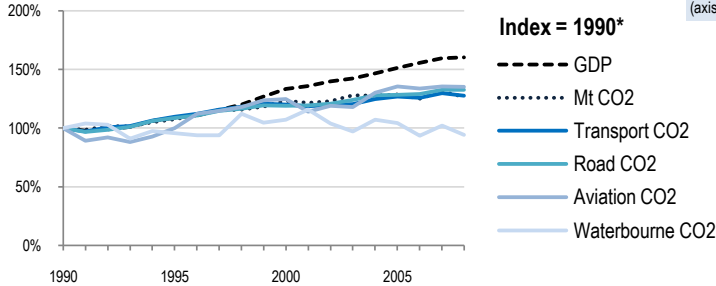
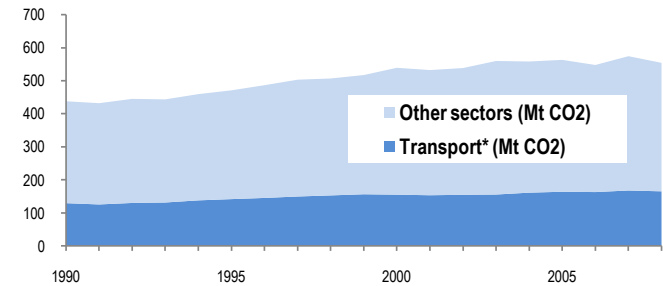
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	8.72	8.40	8.06	7.91	7.87	7.82	7.78	7.74	7.70	7.66	7.62	-13%	-0.75%	-0.52%
GDP PPP (billion 2000 US dollars)	58.20	50.98	48.90	50.90	53.19	55.86	59.57	63.29	67.56	71.72	76.04	31%	1.50%	6.02%
Road passenger km (million pkm)	30430	11508	13879	14510	15966	12954	11093	11355	11136	11272	11398	-63%	-5.31%	1.12%
Road and Rail freight tkm (million tkm)	27902	27157	8598	8214	8558	9860	9823	10208	11202	11131	11815	-58%	-4.66%	6.15%
Road pkm/capita	3490	1370	1722	1834	2029	1657	1426	1467	1446	1472	1496	-57%	-4.60%	1.65%
Road and Rail freight tkm/\$ gdp	0.48	0.53	0.18	0.16	0.16	0.18	0.16	0.16	0.17	0.16	0.16	-68%	-6.07%	0.11%
Passenger cars per 1000 inhabitants	146	196	237	264	286	295	314	..	..	257		..	3.38%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	75.83	55.23	42.47	45.46	42.78	47.29	46.12	46.7	48.02	50.97	49.79	-34%	-2.31%	-2.32%
... of which transport CO2 (Mt)*	7.27	5.98	5.82	6.16	6.47	7.25	7.57	8.34	8.9	8.58	9.27	28%	1.36%	8.04%
Transport* as a percentage of total	9.6%	10.8%	13.7%	13.6%	15.1%	15.3%	16.4%	17.9%	18.5%	16.8%	18.6%			
Road (Mt)	5.73	3.89	4.81	4.98	5.26	5.99	6.3	6.8	7.35	7.06	7.51	31%	1.51%	6.37%
Rail (Mt)	0.32	0.23	0.12	0.1	0.1	0.09	0.09	0.09	0.09	0.08	0.1	-69%	-6.26%	25.00%
Domestic Aviation (Mt)	0.13	0.01	0.06	0.13	0.08	0.07	0.06	0.04	0.07	0.12	0.04	-69%	-6.34%	-66.67%
International Aviation (Mt)	0.71	0.98	0.24	0.31	0.37	0.47	0.45	0.56	0.53	0.54	0.63	-11%	-0.66%	16.67%
Domestic Navigation (Mt)	0.06	0.01	0	0	0	0	0	0	0	0	0	-100%	..	..
International Shipping (Mt)	0.18	0.85	0.20	0.30	0.33	0.43	0.36	0.34	0.33	0.16	0.38	111%	4.24%	137.50%
Other Transport (Mt)	0.13	0	0.39	0.33	0.33	0.21	0.32	0.51	0.53	0.61	0.6	362%	8.87%	-1.64%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	119.04	90.17	69.69	70.28	67.25	72.75	71.87	71.50	72.66	76.50	74.36	-38%	-2.58%	-2.81%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	81.10	61.44	46.75	48.60	46.23	50.54	49.49	50.04	51.25	54.63	53.51	-34%	-2.28%	-2.05%
... of which transport GHG (Mt CO2 eq.)*	12.76	8.42	6.33	6.68	7.03	7.98	8.12	8.86	9.39	8.89	9.30	-27%	-1.74%	4.62%
Road (Mt)	7.67	5.51	5.00	5.17	5.47	6.24	6.51	7.12	7.62	7.32	7.77	1%	0.07%	6.14%
International Aviation (Mt)	0.89	0.55	0.27	0.39	0.40	0.49	0.41	0.47	0.48	0.53	0.53	-40%	-2.84%	0.68%
International Shipping (Mt)	0.88	0.89	0.21	0.31	0.34	0.44	0.37	0.35	0.28	0.17	0.39	-55%	-4.39%	134.72%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Canada

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂		554.24		16.63	-21%	0.53		-3.5%
Transport CO ₂		165.32		4.96	-20%	0.16		-1.5%
Road CO ₂		126.86		3.81	-17%	0.12		0.1%
Aviation CO ₂		17.52		0.53	-16%	0.02		-0.2%
Waterbourne CO ₂		7.02		0.21	-41%	0.01		-7.9%



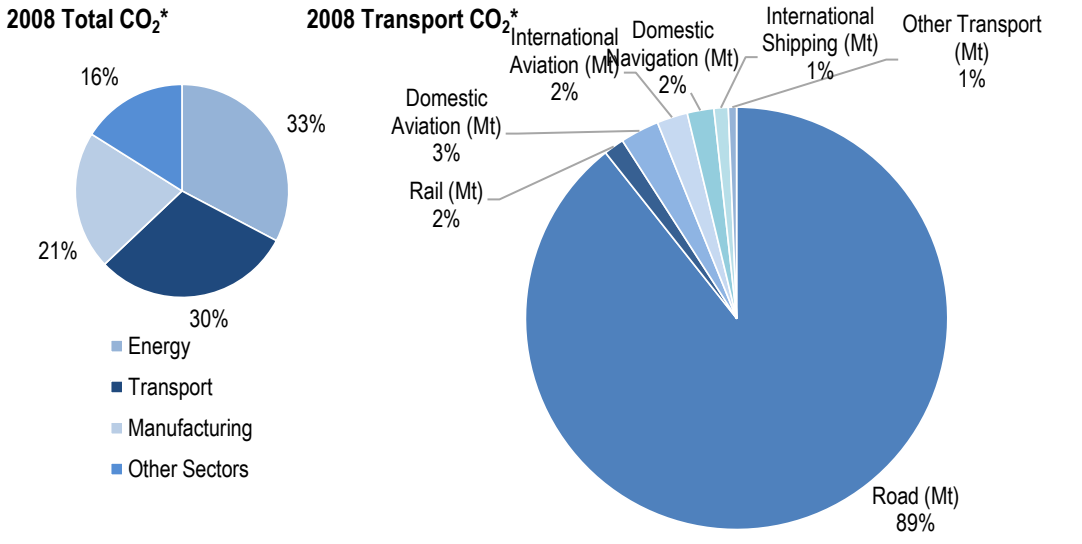
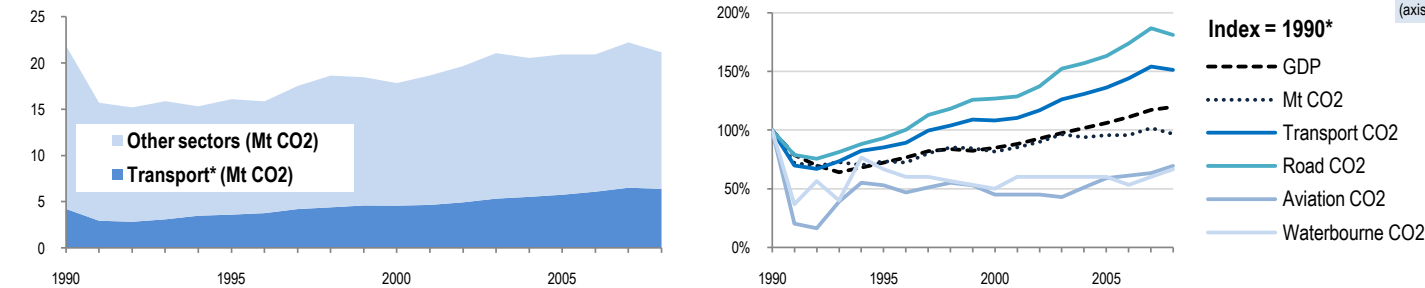
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	27.69	29.30	30.69	31.02	31.35	31.64	31.94	32.25	32.58	32.93	33.33	20%	1.04%	1.21%
GDP PPP (billion 2000 US dollars)	655.51	713.88	874.08	889.67	915.69	932.92	962.03	991.07	1019.35	1045.16	1049.49	60%	2.65%	0.41%
Road passenger km (million pkm)	..	497000	502000	481000	493000	485000	488368	512736	510103	503471	494471	..	-0.04%	-1.79%
Road and Rail freight tkm (million tkm)	..	291800	351900	353400	348000	358700	420900	437800	440000	444100	426000	..	2.95%	-4.08%
Road pkm/capita	..	16962	16357	15506	15726	15329	15290	15899	15657	15289	14836	..	-1.03%	-2.97%
Road and Rail freight tkm/\$ gdp	..	0.41	0.40	0.40	0.38	0.38	0.44	0.44	0.43	0.42	0.41	..	-0.05%	-4.47%
Passenger cars per 1000 inhabitants	468	449	547	549	559	561	..	..	..	372	..	..	-1.34%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	437.93	470.98	539.2	532.41	538.48	559.92	558.33	563.25	547.8	574.37	554.24	27%	1.32%	-3.50%
... of which transport CO2 (Mt)*	129.42	141.73	155.22	153.47	154.79	155.64	161.29	164.01	163.02	167.84	165.32	28%	1.37%	-1.50%
Transport* as a percentage of total	29.6%	30.1%	28.8%	28.8%	28.7%	27.8%	28.9%	29.1%	29.8%	29.2%	29.8%			
Road (Mt)	95.65	104	113.94	114.02	115.45	118.69	122.52	122.89	123.34	126.75	126.86	33%	1.58%	0.09%
Rail (Mt)	6.21	5.62	5.77	5.67	5.14	5.13	5.21	5.48	5.65	6	6.29	1%	0.07%	4.83%
Domestic Aviation (Mt)	10.25	10.39	13.08	11.54	12.63	13.12	14.15	15	14.78	16.01	15.86	55%	2.45%	-0.94%
International Aviation (Mt)	2.71	2.58	3.08	3.22	2.78	2.14	2.71	2.55	2.53	1.55	1.66	-39%	-2.69%	7.10%
Domestic Navigation (Mt)	4.58	3.95	4.64	5.03	5	5.66	6.08	5.9	5.26	5.6	5.35	17%	0.87%	-4.46%
International Shipping (Mt)	2.87	3.17	3.34	3.59	2.73	1.57	1.91	1.88	1.70	2.02	1.67	-42%	-2.96%	-17.33%
Other Transport (Mt)	7.14	12.02	11.36	10.41	11.05	9.33	8.72	10.31	9.77	9.89	7.63	7%	0.37%	-22.85%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	601.98	651.98	730.84	724.04	728.94	750.82	752.41	743.14	730.13	761.75	745.42	24%	1.19%	-2.14%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	437.00	463.80	535.98	531.10	536.88	553.54	548.86	540.57	526.96	560.87	544.57	25%	1.23%	-2.90%
... of which transport GHG (Mt CO2 eq.)*	155.53	170.32	191.94	189.19	190.34	193.06	199.91	204.45	203.38	210.82	209.32	35%	1.66%	-0.71%
Road (Mt)	98.43	108.78	118.83	121.11	122.79	125.36	129.49	130.97	132.58	136.31	135.40	38%	1.79%	-0.66%
International Aviation (Mt)	7.08	7.55	10.17	9.12	9.18	8.51	9.54	10.17	10.14	9.27	9.23	30%	1.48%	-0.47%
International Shipping (Mt)	3.11	3.43	3.56	3.83	2.92	1.68	2.04	2.00	1.81	2.15	1.77	-43%	-3.08%	-17.39%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Croatia

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,	Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	-3%	21.15,	4%	4.77,	-19%	0.32,		-4.8%
Transport CO ₂	51%	6.39,	63%	1.44,	26%	0.10,		-1.8%
Road CO ₂	81%	5.7,	95%	1.29,	51%	0.08,		-3.1%
Aviation CO ₂	-31%	0.34,	-25%	0.08,	-42%	0.01,		9.7%
Waterbourne CO ₂	-33%	0.2,	-28%	0.05,	-44%	0.00,		11.1%

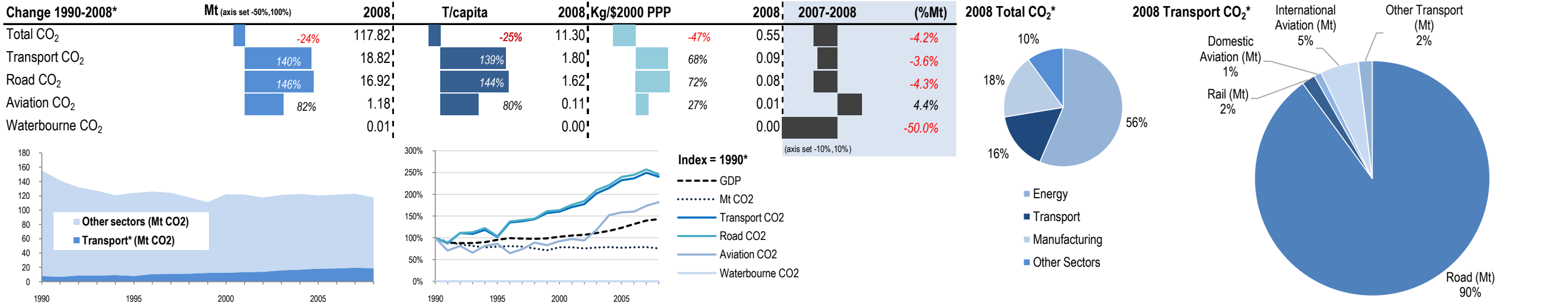


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	4.78	4.67	4.43	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.43	-7%	-0.42%	-0.23%
GDP PPP (billion 2000 US dollars)	56.02	40.60	47.55	49.37	52.06	54.64	56.96	59.36	62.17	65.57	67.12	20%	1.01%	2.36%
Road passenger km (million pkm)	7004	4052	3331	3478	3557	3716	3390	3403	3537	3808	4093	-42%	-2.94%	7.48%
Road and Rail freight tkm (million tkm)	9387	3225	4604	8857	9619	10728	11312	12163	13480	14076	14354	53%	2.39%	1.97%
Road pkm/capita	1465	868	752	783	801	837	764	766	797	858	924	-37%	-2.53%	7.73%
Road and Rail freight tkm/\$ gdp	0.17	0.08	0.10	0.18	0.18	0.20	0.20	0.20	0.22	0.21	0.21	28%	1.36%	-0.38%
Passenger cars per 1000 inhabitants	..	..	257	269	280	291	301	312	323	336	..	..	3.90%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	21.87	16.08	17.82	18.65	19.66	21.06	20.54	20.92	20.92	22.22	21.15	-3%	-0.19%	-4.82%
... of which transport CO ₂ (Mt)*	4.22	3.6	4.57	4.65	4.93	5.33	5.52	5.75	6.08	6.51	6.39	51%	2.33%	-1.84%
Transport* as a percentage of total	19.3%	22.4%	25.6%	24.9%	25.1%	25.3%	26.9%	27.5%	29.1%	29.3%	30.2%			
Road (Mt)	3.15	2.93	4	4.05	4.33	4.8	4.95	5.14	5.48	5.88	5.7	81%	3.35%	-3.06%
Rail (Mt)	0.13	0.1	0.08	0.09	0.09	0.09	0.09	0.1	0.1	0.1	0.1	-23%	-1.45%	0.00%
Domestic Aviation (Mt)	0.34	0.09	0.12	0.16	0.16	0.14	0.16	0.17	0.18	0.18	0.19	-44%	-3.18%	5.56%
International Aviation (Mt)	0.15	0.17	0.1	0.06	0.06	0.07	0.09	0.12	0.12	0.13	0.15	0%	0.00%	15.38%
Domestic Navigation (Mt)	0.15	0.1	0.09	0.09	0.11	0.11	0.11	0.1	0.1	0.11	0.13	-13%	-0.79%	18.18%
International Shipping (Mt)	0.15	0.10	0.06	0.09	0.07	0.07	0.07	0.08	0.06	0.07	0.07	-53%	-4.15%	0.00%
Other Transport (Mt)	0.14	0.11	0.12	0.11	0.12	0.05	0.05	0.04	0.04	0.05	0.04	-71%	-6.72%	-20.00%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	31.87	23.22	26.10	27.39	28.33	30.01	30.09	30.70	31.11	32.60	31.47	-1%	-0.07%	-3.46%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	20.95	14.88	17.25	18.18	19.23	20.61	20.09	20.51	20.54	21.66	20.62	-2%	-0.09%	-4.82%
... of which transport GHG (Mt CO ₂ eq.)*	4.54	3.74	4.76	4.90	5.12	5.50	5.73	5.99	6.35	6.73	6.58	45%	2.09%	-2.18%
Road (Mt)	3.65	3.17	4.30	4.41	4.63	5.01	5.23	5.42	5.78	6.12	5.92	62%	2.72%	-3.30%
International Aviation (Mt)	0.35	0.19	0.17	0.17	0.16	0.16	0.19	0.23	0.23	0.24	0.27	-22%	-1.37%	12.42%
International Shipping (Mt)	0.11	0.10	0.06	0.09	0.07	0.07	0.07	0.08	0.06	0.08	0.07	-38%	-2.66%	-11.71%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Czech Republic

EU-27		N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	10.36	10.33	10.27	10.22	10.20	10.20	10.21	10.23	10.27	10.32	10.43	1%	0.04%	1.07%
GDP PPP (billion 2000 US dollars)	150.17	143.09	154.03	157.81	160.81	166.60	174.07	185.06	197.66	209.78	214.95	43%	2.01%	2.46%
Road passenger km (million pkm)	..	65473	73291	74078	74958	76809	76086	77248	79131	81059	81749	..	1.72%	0.85%
Road and Rail freight tkm (million tkm)	..	56726	56532	54142	60869	62426	61102	58313	66148	64445	66314	..	1.21%	2.90%
Road pkm/capita	..	6338	7136	7248	7349	7530	7452	7551	7705	7855	7838	..	1.65%	-0.21%
Road and Rail freight tkm/\$ gdp	..	0.40	0.37	0.34	0.38	0.37	0.35	0.32	0.33	0.31	0.31	..	-1.91%	0.43%
Passenger cars per 1000 inhabitants	228	301	335	345	358	363	..	..	399	414	..	..	3.57%	..
CO₂ Emissions														
IEA CO ₂ from fuel combustion (Mt)*	155.79	124.24	122.36	121.91	117.67	121.32	122.7	120.53	121.66	123.03	117.82	-24%	-1.54%	-4.23%
... of which transport CO ₂ (Mt)*	7.83	8	12.54	13.34	13.9	15.82	16.8	18.19	18.54	19.52	18.82	140%	4.99%	-3.59%
Transport* as a percentage of total	5.0%	6.4%	10.2%	10.9%	11.8%	13.0%	13.7%	15.1%	15.2%	15.9%	16.0%			
Road (Mt)	6.88	7.14	11.23	12.08	12.68	14.43	15.19	16.51	16.83	17.68	16.92	146%	5.13%	-4.30%
Rail (Mt)	0	0	0.32	0.3	0.32	0.32	0.3	0.32	0.33	0.32	0.35	..	1.13%	9.38%
Domestic Aviation (Mt)	0	0	0.12	0.15	0.11	0.17	0.13	0.09	0.05	0.11	0.19	..	5.91%	72.73%
International Aviation (Mt)	0.65	0.56	0.48	0.48	0.5	0.6	0.86	0.94	0.99	1.02	0.99	52%	2.36%	-2.94%
Domestic Navigation (Mt)	0	0	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.01	..	..	-50.00%
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	0.3	0.3	0.37	0.3	0.28	0.28	0.3	0.31	0.32	0.38	0.35	17%	0.86%	-7.89%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	195.83	153.99	148.11	150.29	146.04	145.32	147.03	146.44	148.05	148.60	142.57	-27%	-1.75%	-4.06%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	148.39	119.52	116.31	118.93	115.32	114.29	114.62	115.51	115.47	115.63	110.69	-25%	-1.62%	-4.28%
... of which transport GHG (Mt CO ₂ eq.)*	8.10	10.22	13.19	14.10	14.76	16.60	17.62	19.04	19.41	20.41	19.89	146%	5.12%	-2.56%
Road (Mt)	6.09	8.94	11.93	12.83	13.49	15.41	16.19	17.58	17.88	18.79	18.22	199%	6.28%	-3.03%
International Aviation (Mt)	0.65	0.48	0.60	0.64	0.69	0.81	1.04	1.08	1.11	1.14	1.16	79%	3.28%	1.32%
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..

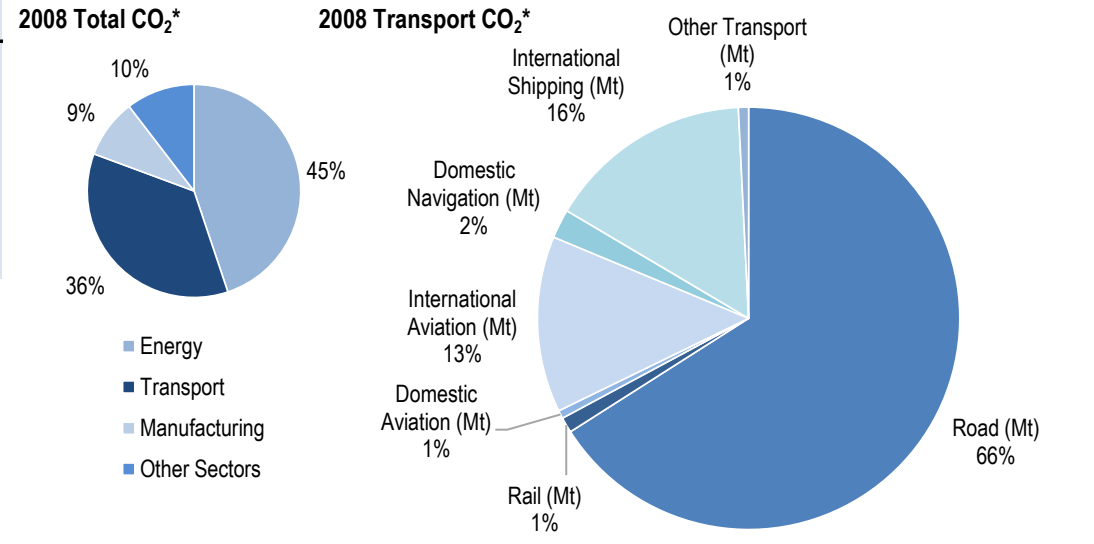
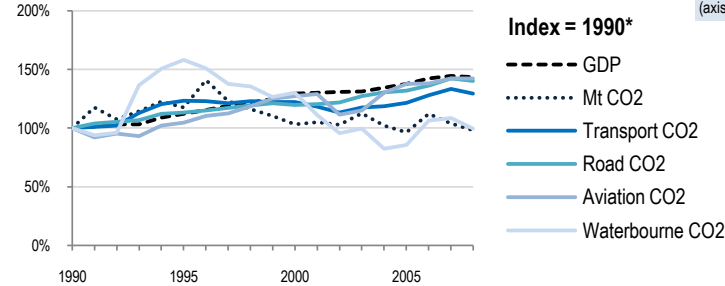
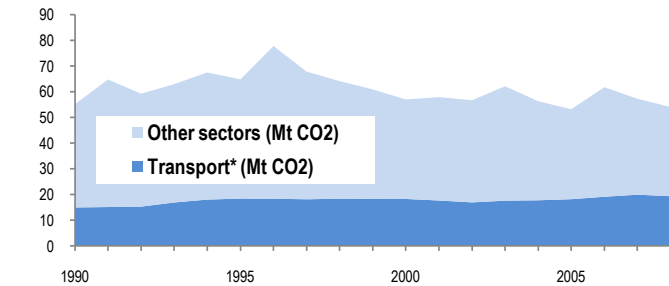
* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Denmark

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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54.1 Mt

Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)	2008 Total CO ₂ *	2008 Transport CO ₂ *
Total CO ₂	-2%	54.06	-8%	9.85	-32%	0.32	-5.6%			
Transport CO ₂	29%	19.35	21%	3.52	-10%	0.11	-3.0%			
Road CO ₂	40%	12.76	31%	2.32	-2%	0.07	-1.7%			
Aviation CO ₂	42%	2.73	33%	0.50	-1%	0.02	0.0%			
Waterbourne CO ₂	-1%	3.47	-7%	0.63	-31%	0.02	-8.4%			



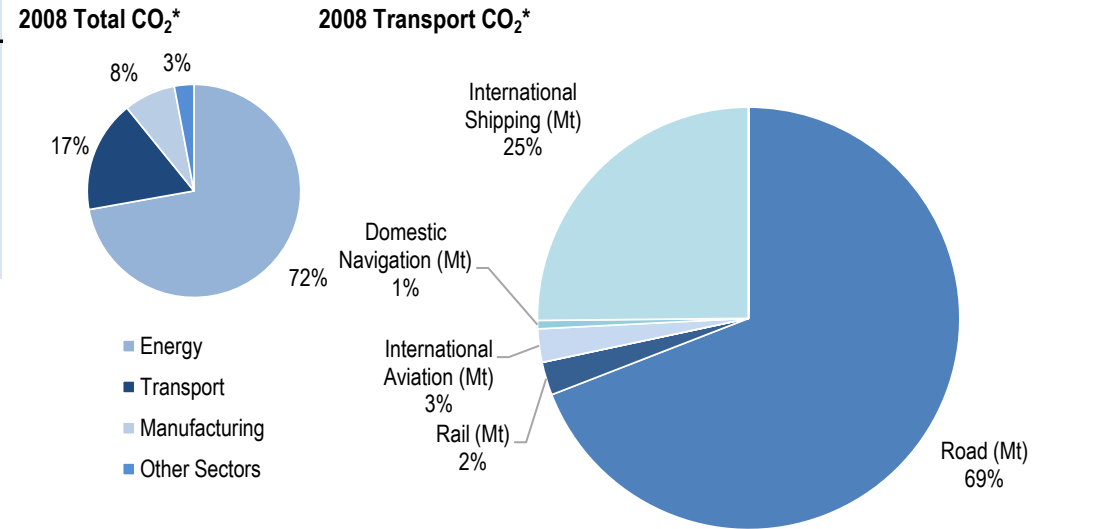
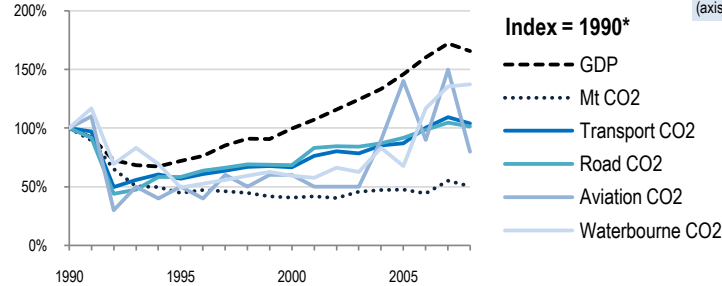
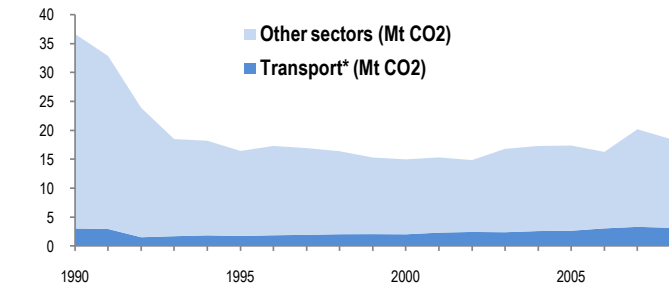
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	5.14	5.23	5.34	5.36	5.38	5.39	5.40	5.42	5.44	5.46	5.49	7%	0.37%	0.55%
GDP PPP (billion 2000 US dollars)	119.08	133.67	153.87	154.96	155.68	156.28	159.87	163.77	169.33	172.20	170.70	43%	2.02%	-0.87%
Road passenger km (million pkm)	59460	61672	65217	64466	64886	65784	65945	66265	67379	68965	68939	16%	0.83%	-0.04%
Road and Rail freight tkm (million tkm)	11139	11311	13025	12848	12963	12997	12686	13025	13379	13576	12581	13%	0.68%	-7.33%
Road pkm/capita	11568	11792	12213	12027	12061	12205	12212	12226	12386	12631	12557	9%	0.46%	-0.58%
Road and Rail freight tkm/\$ gdp	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	-21%	-1.32%	-6.51%
Passenger cars per 1000 inhabitants	320	319	357	358	360	..	351	354	..	370	..	..	0.86%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	55.16	64.81	57	57.92	56.71	62.15	56.33	53.21	61.79	57.27	54.06	-2%	-0.11%	-5.61%
... of which transport CO2 (Mt)*	14.97	18.43	18.28	17.68	16.94	17.62	17.76	18.19	19.15	19.95	19.35	29%	1.44%	-3.01%
Transport* as a percentage of total	27.1%	28.4%	32.1%	30.5%	29.9%	28.4%	31.5%	34.2%	31.0%	34.8%	35.8%			
Road (Mt)	9.11	10.3	10.92	10.96	11.11	11.58	11.9	12.02	12.4	12.98	12.76	40%	1.89%	-1.69%
Rail (Mt)	0.29	0.3	0.22	0.21	0.21	0.22	0.21	0.23	0.22	0.22	0.23	-21%	-1.28%	4.55%
Domestic Aviation (Mt)	0.22	0.17	0.12	0.12	0.1	0.09	0.08	0.09	0.09	0.1	0.12	-45%	-3.31%	20.00%
International Aviation (Mt)	1.70	1.84	2.32	2.36	2.04	2.12	2.42	2.55	2.56	2.63	2.61	54%	2.41%	-0.76%
Domestic Navigation (Mt)	0.47	0.56	0.36	0.35	0.43	0.42	0.38	0.42	0.37	0.33	0.43	-9%	-0.49%	30.30%
International Shipping (Mt)	3.02	4.96	4.18	3.53	2.91	3.06	2.49	2.57	3.34	3.46	3.04	1%	0.04%	-12.14%
Other Transport (Mt)	0.16	0.3	0.16	0.15	0.14	0.14	0.28	0.31	0.17	0.22	0.15	-6%	-0.36%	-31.82%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	75.19	84.63	76.42	77.21	75.30	80.75	74.43	70.46	79.09	74.49	71.02	-6%	-0.32%	-4.65%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	58.03	68.03	60.35	61.36	59.96	65.60	59.57	56.35	64.98	60.42	57.01	-2%	-0.10%	-5.65%
... of which transport GHG (Mt CO2 eq.)*	15.81	19.43	19.34	18.72	17.73	18.44	18.49	18.82	19.97	20.79	20.11	27%	1.35%	-3.25%
Road (Mt)	9.52	10.84	11.48	11.50	11.63	12.08	12.39	12.49	12.87	13.47	13.23	39%	1.84%	-1.83%
International Aviation (Mt)	1.76	1.89	2.38	2.41	2.08	2.17	2.48	2.60	2.61	2.68	2.67	52%	2.36%	-0.21%
International Shipping (Mt)	3.15	5.30	4.50	3.86	3.10	3.26	2.67	2.76	3.53	3.66	3.22	2%	0.12%	-12.19%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Estonia

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	 -50%	18.49	 -40%	13.80	 -70%	0.82	 -8.4%	
Transport CO ₂	 4%	3.14	 23%	2.34	 -37%	0.14	 -4.8%	
Road CO ₂	 1%	2.17	 20%	1.62	 -39%	0.10	 -3.1%	
Aviation CO ₂	 -20%	0.08	 -5%	0.06	 -52%	0.00	 -46.7%	
Waterbourne CO ₂	 37%	0.81	 63%	0.60	 -17%	0.04	 1.3%	



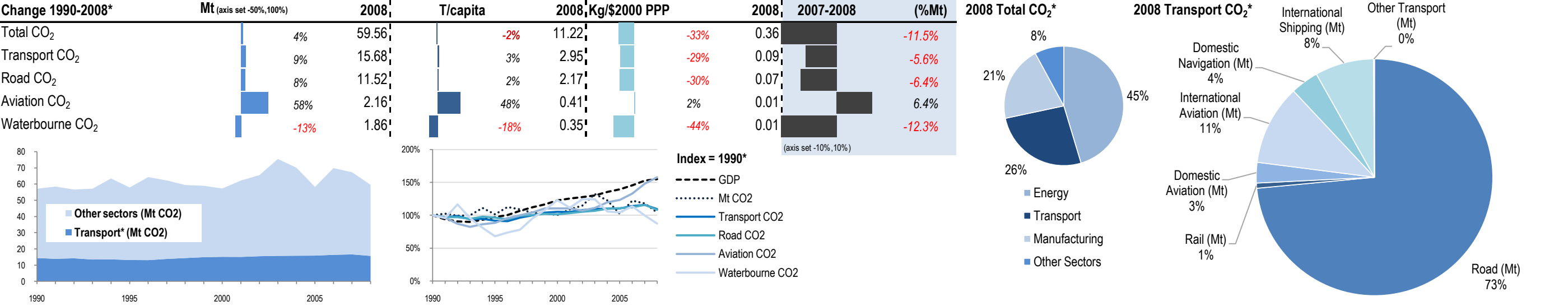
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	1.59	1.45	1.37	1.37	1.36	1.36	1.35	1.35	1.35	1.34	1.34	-16%	-0.95%	0.00%
GDP PPP (billion 2000 US dollars)	13.59	9.79	13.53	14.55	15.71	16.89	18.11	19.82	21.80	23.37	22.53	66%	2.85%	-3.59%
Road passenger km (million pkm)	4454	2048	2630	2720	2603	2573	2714	2938	3112	2909	2676	-40%	-2.79%	-8.01%
Road and Rail freight tkm (million tkm)	11487	5395	12034	13234	14084	16098	17325	18280	19275	19090	14222	24%	1.19%	-25.50%
Road pkm/capita	2801	1412	1920	1985	1914	1892	2010	2176	2305	2171	1997	-29%	-1.86%	-8.01%
Road and Rail freight tkm/\$ gdp	0.85	0.55	0.89	0.91	0.90	0.95	0.96	0.92	0.88	0.82	0.63	-25%	-1.61%	-22.72%
Passenger cars per 1000 inhabitants	154	267	339	299	295	321	349	367	..	390	..	..	5.62%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	36.67	16.43	14.98	15.31	14.85	16.79	17.29	17.37	16.27	20.18	18.49	-50%	-3.73%	-8.37%
... of which transport CO ₂ (Mt)*	3.02	1.72	2.01	2.3	2.42	2.37	2.57	2.63	3.03	3.3	3.14	4%	0.22%	-4.85%
<i>Transport* as a percentage of total</i>	8.2%	10.5%	13.4%	15.0%	16.3%	14.1%	14.9%	15.1%	18.6%	16.4%	17.0%			
Road (Mt)	2.14	1.25	1.46	1.78	1.81	1.8	1.86	1.96	2.11	2.24	2.17	1%	0.08%	-3.13%
Rail (Mt)	0.16	0.11	0.13	0.12	0.15	0.14	0.12	0.12	0.14	0.12	0.08	-50%	-3.78%	-33.33%
Domestic Aviation (Mt)	0.01	0	0	0	0	0	0	0	0	0	0	-100%	..	..
International Aviation (Mt)	0.09	0.05	0.06	0.05	0.05	0.05	0.09	0.14	0.09	0.15	0.08	-11%	-0.65%	-46.67%
Domestic Navigation (Mt)	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0%	0.00%	0.00%
International Shipping (Mt)	0.57	0.28	0.33	0.32	0.37	0.35	0.47	0.38	0.67	0.78	0.79	39%	1.83%	1.28%
Other Transport (Mt)	0.02	0.01	0	0	0	0	0	0	0	0	0	-100%	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	41.53	21.21	18.59	18.87	18.28	20.23	20.70	19.94	19.68	22.99	21.13	-49%	-3.68%	-8.07%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	35.97	18.03	15.31	15.66	15.37	17.22	17.34	16.65	16.31	19.38	17.47	-51%	-3.93%	-9.86%
... of which transport GHG (Mt CO ₂ eq.)*	3.19	1.92	2.08	2.37	2.54	2.44	2.63	2.68	3.12	3.41	3.20	0%	0.02%	-6.19%
Road (Mt)	2.32	1.46	1.52	1.85	1.91	1.85	1.92	2.01	2.18	2.31	2.17	-6%	-0.36%	-5.82%
International Aviation (Mt)	0.11	0.05	0.07	0.05	0.06	0.06	0.09	0.15	0.10	0.16	0.09	-21%	-1.28%	-44.37%
International Shipping (Mt)	0.58	0.28	0.33	0.32	0.37	0.36	0.47	0.38	0.67	0.78	0.80	38%	1.80%	2.00%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Finland

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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59.6 Mt

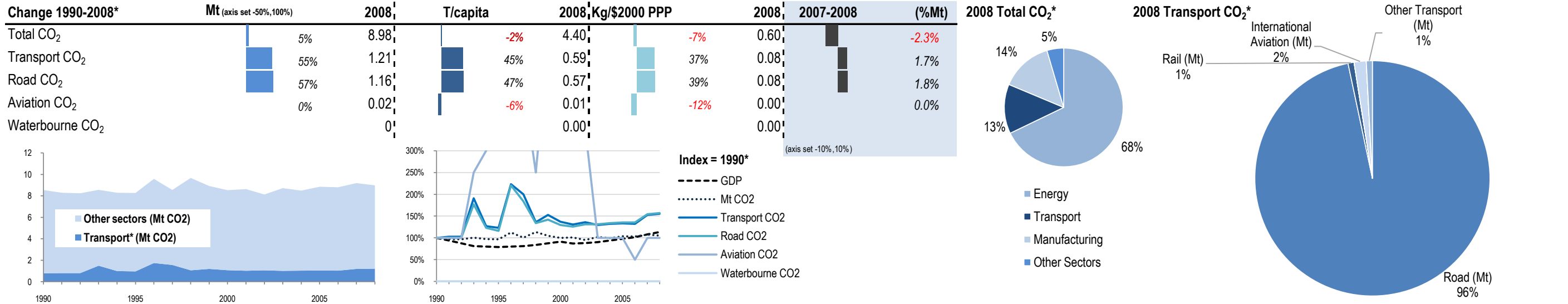


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	4.99	5.11	5.18	5.19	5.20	5.21	5.23	5.25	5.27	5.29	5.31	6%	0.35%	0.38%
GDP PPP (billion 2000 US dollars)	108.33	105.01	132.79	135.82	138.30	141.06	146.86	151.15	157.81	165.62	167.61	55%	2.45%	1.20%
Road passenger km (million pkm)	59700	58000	63400	64700	66000	67260	68545	69450	69995	71325	70940	19%	0.96%	-0.54%
Road and Rail freight tkm (million tkm)	33757	31631	37823	36534	37733	36942	37435	37519	36550	36397	38391	14%	0.72%	5.48%
Road pkm/capita	11964	11350	12239	12466	12692	12910	13106	13229	13282	13483	13360	12%	0.61%	-0.91%
Road and Rail freight tkm/\$ gdp	0.31	0.30	0.28	0.27	0.27	0.26	0.25	0.25	0.23	0.22	0.23	-26%	-1.70%	4.23%
Passenger cars per 1000 inhabitants	386	372	410	414	419	433	446	460	470	483	..	..	1.33%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	57.15	57.92	57.31	62.18	65.52	75.5	70.11	58.28	69.88	67.32	59.56	4%	0.23%	-11.53%
... of which transport CO ₂ (Mt)*	14.35	13.14	15.11	15.05	15.49	15.72	15.8	15.86	16.35	16.61	15.68	9%	0.49%	-5.60%
Transport* as a percentage of total	25.1%	22.7%	26.4%	24.2%	23.6%	20.8%	22.5%	27.2%	23.4%	24.7%	26.3%			
Road (Mt)	10.65	10.26	10.8	10.99	11.2	11.36	11.73	11.78	11.93	12.31	11.52	8%	0.44%	-6.42%
Rail (Mt)	0.19	0.19	0.15	0.14	0.13	0.13	0.13	0.13	0.13	0.11	0.11	-42%	-2.99%	0.00%
Domestic Aviation (Mt)	0.4	0.35	0.49	0.46	0.44	0.45	0.41	0.45	0.44	0.44	0.44	10%	0.53%	0.00%
International Aviation (Mt)	0.97	0.86	1.02	1.05	1.03	1.07	1.23	1.24	1.38	1.59	1.72	77%	3.23%	8.18%
Domestic Navigation (Mt)	0.35	0.41	0.52	0.57	0.63	0.64	0.63	0.63	0.67	0.68	0.6	71%	3.04%	-11.76%
International Shipping (Mt)	1.78	1.04	2.10	1.80	2.02	2.01	1.62	1.59	1.75	1.44	1.26	-29%	-1.90%	-12.50%
Other Transport (Mt)	0	0.03	0.03	0.05	0.04	0.06	0.05	0.04	0.04	0.03	0.02	..	-3.07%	-33.33%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	73.24	72.77	72.28	77.35	79.69	87.48	83.21	71.40	82.94	81.25	73.26	0%	0.00%	-9.83%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	57.17	57.81	57.39	62.48	65.26	72.75	68.39	56.73	68.31	66.17	57.92	1%	0.07%	-12.47%
... of which transport GHG (Mt CO ₂ eq.)*	15.68	14.02	16.02	15.95	16.36	16.59	16.68	16.69	17.19	17.45	16.76	7%	0.37%	-3.96%
Road (Mt)	11.09	10.42	11.03	11.23	11.43	11.63	11.96	12.00	12.14	12.52	11.99	8%	0.43%	-4.24%
International Aviation (Mt)	1.03	0.91	1.08	1.11	1.10	1.13	1.30	1.31	1.46	1.68	1.82	77%	3.23%	7.81%
International Shipping (Mt)	1.86	1.08	2.10	1.88	2.12	2.11	1.69	1.67	1.83	1.50	1.32	-29%	-1.91%	-12.44%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

FYR of Macedonia

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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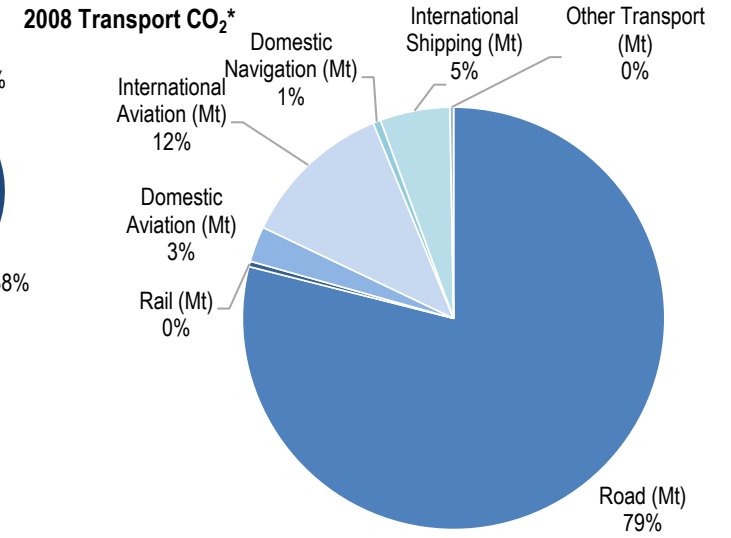
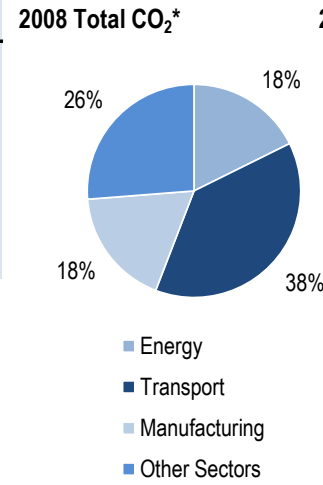
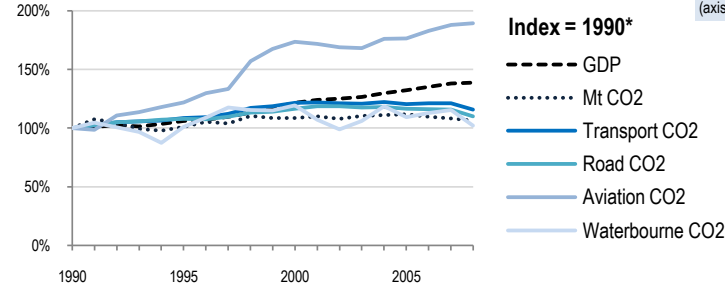
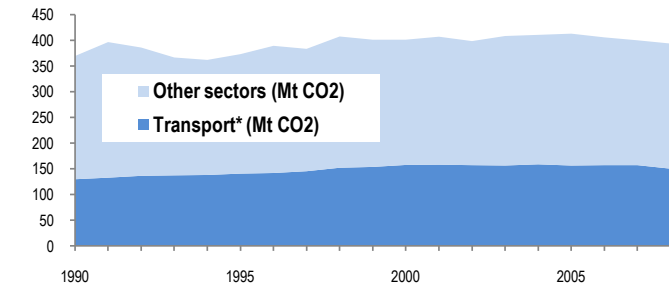
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	1.91	1.96	2.01	2.02	2.02	2.03	2.03	2.03	2.04	2.04	2.04	7%	0.37%	0.00%
GDP PPP (billion 2000 US dollars)	13.34	10.51	12.17	11.62	11.72	12.05	12.54	13.05	13.57	14.37	15.08	13%	0.68%	4.94%
Road passenger km (million pkm)	1492	971	774	831	1042	1344	1110	1087	1016	1027	1239	-17%	-1.03%	20.64%
Road and Rail freight tkm (million tkm)	2958	1343	1303	3593	4013	5823	5767	6106	8913	6716	4721	60%	2.63%	-29.71%
Road pkm/capita	781	495	385	411	516	662	547	535	498	503	607	-22%	-1.39%	20.64%
Road and Rail freight tkm/\$ gdp	0.22	0.13	0.11	0.31	0.34	0.48	0.46	0.47	0.66	0.47	0.31	41%	1.93%	-33.01%
Passenger cars per 1000 inhabitants	121	145	148	..	152	150	..	..	..	122	..	..	0.05%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	8.54	8.27	8.53	8.63	8.13	8.72	8.49	8.85	8.8	9.19	8.98	5%	0.28%	-2.29%
... of which transport CO ₂ (Mt)*	0.78	0.96	1.07	1.02	1.06	1.01	1.03	1.04	1.03	1.19	1.21	55%	2.47%	1.68%
<i>Transport* as a percentage of total</i>	9.1%	11.6%	12.5%	11.8%	13.0%	11.6%	12.1%	11.8%	11.7%	12.9%	13.5%			
Road (Mt)	0.74	0.86	0.96	0.93	0.97	0.97	0.99	1	1	1.14	1.16	57%	2.53%	1.75%
Rail (Mt)	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-50%	-3.78%	0.00%
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	0.02	0.09	0.09	0.07	0.07	0.02	0.02	0.02	0.01	0.02	0.02	0%	0.00%	0.00%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	0	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	..	0.00%	0.00%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

France

Europe	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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393.9 Mt																			
Change 1990-2008*		Mt (axis set -50%,100%)		2008		T/capita		2008		Kg/\$2000 PPP		2008		2007-2008		(%Mt)			
Total CO ₂			7%	393.85			-3%	6.14			-23%	0.22				-1.6%			
Transport CO ₂			16%	150.32			5%	2.34			-17%	0.09				-4.4%			
Road CO ₂			10%	118.67			0%	1.85			-21%	0.07				-4.7%			
Aviation CO ₂			89%	21.68			72%	0.34			36%	0.01				0.7%			
Waterbourne CO ₂			2%	8.93			-7%	0.14			-26%	0.01				-11.5%			
450										200%									
										1000%									
										(axis set -10%,10%)									



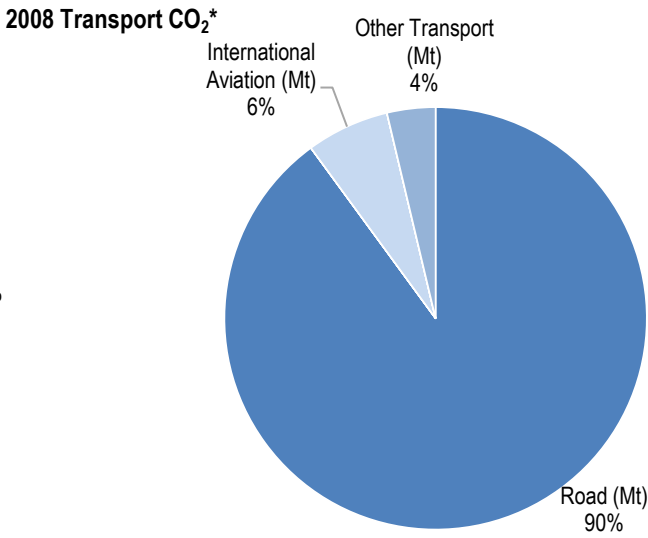
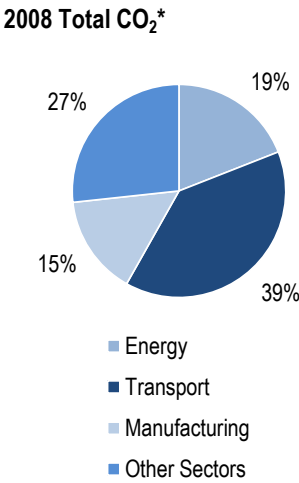
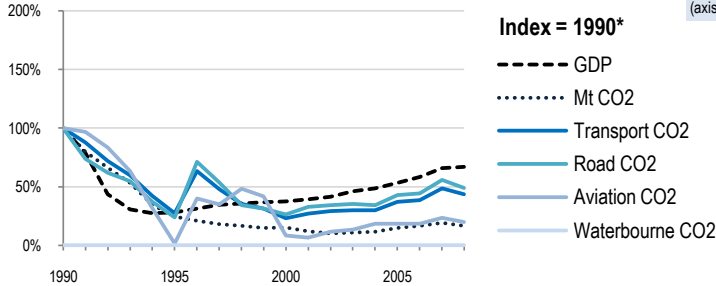
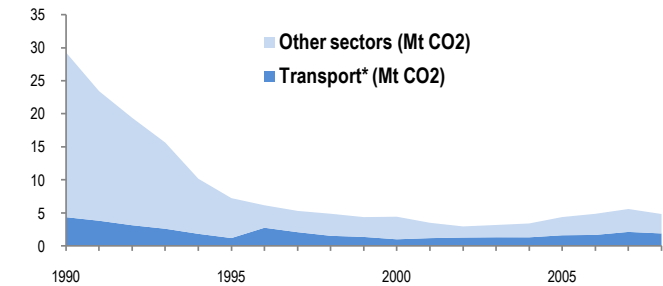
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	58.17	59.42	60.73	61.16	61.61	62.04	62.49	62.96	63.38	63.76	64.12	10%	0.54%	0.56%
GDP PPP (billion 2000 US dollars)	1261.93	1336.43	1534.86	1563.32	1579.37	1596.54	1635.98	1667.00	1703.95	1743.55	1751.04	39%	1.84%	0.43%
Road passenger km (million pkm)	627300	681700	742600	768900	775700	781300	780900	771300	768700	774800	768700	23%	1.14%	-0.79%
Road and Rail freight tkm (million tkm)	164470	203644	239572	239367	238573	235984	242447	232812	240008	249637	236031	44%	2.03%	-5.45%
Road pkm/capita	10784	11473	12228	12572	12590	12593	12496	12251	12128	12152	11988	11%	0.59%	-1.34%
Road and Rail freight tkm/\$ gdp	0.13	0.15	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.13	3%	0.19%	-5.85%
Passenger cars per 1000 inhabitants	405	434	476	485	489	492	494	494	496	498	..	..	1.22%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	369.6	373.23	401.36	407.18	398.62	408.55	410.75	413.08	405.89	400.16	393.85	7%	0.35%	-1.58%
... of which transport CO ₂ (Mt)*	129.79	140.73	157.61	158.11	157.19	156.53	158.78	156.47	157.17	157.19	150.32	16%	0.82%	-4.37%
Transport* as a percentage of total	35.1%	37.7%	39.3%	38.8%	39.4%	38.3%	38.7%	37.9%	38.7%	39.3%	38.2%			
Road (Mt)	107.73	116.08	125.55	127.71	127.85	126.7	126.98	125.58	125.24	124.51	118.67	10%	0.54%	-4.69%
Rail (Mt)	1.2	1.19	1.14	0.75	0.77	0.73	0.73	0.66	0.64	0.6	0.62	-48%	-3.60%	3.33%
Domestic Aviation (Mt)	2.14	2.53	4.81	4.77	4.39	4.41	4.26	4.1	4.11	4.06	4.1	92%	3.68%	0.99%
International Aviation (Mt)	9.32	11.44	15.07	14.91	14.97	14.88	15.91	16.1	16.86	17.47	17.58	89%	3.59%	0.63%
Domestic Navigation (Mt)	0.78	0.89	1	0.91	0.9	0.9	0.9	0.89	0.88	0.89	0.89	14%	0.74%	0.00%
International Shipping (Mt)	7.96	7.94	9.42	8.46	7.73	8.37	9.48	8.65	8.97	9.20	8.04	1%	0.06%	-12.61%
Other Transport (Mt)	0.67	0.66	0.62	0.59	0.59	0.54	0.53	0.49	0.47	0.47	0.42	-37%	-2.56%	-10.64%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	583.29	578.53	585.00	585.99	576.52	581.80	582.78	586.13	571.27	562.21	557.94	-4%	-0.25%	-0.76%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	390.55	392.35	413.21	418.06	409.69	418.12	422.21	426.71	414.56	405.74	400.48	3%	0.14%	-1.30%
... of which transport GHG (Mt CO ₂ eq.)*	136.96	147.81	162.26	164.01	164.90	165.27	168.05	165.92	166.11	165.84	158.35	16%	0.81%	-4.51%
Road (Mt)	112.24	121.37	128.77	132.01	132.83	132.65	132.92	131.39	130.79	129.53	123.28	10%	0.52%	-4.82%
International Aviation (Mt)	8.96	10.82	14.45	14.61	14.65	14.77	15.80	16.02	16.93	17.69	17.75	98%	3.87%	0.32%
International Shipping (Mt)	8.21	7.27	9.69	8.25	8.01	8.68	9.85	9.01	9.36	9.60	8.39	2%	0.12%	-12.63%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Georgia

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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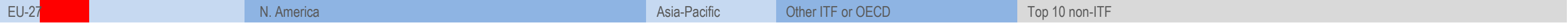
Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂		-84%	4.83		-79%	1.11		-13.6%
Transport CO ₂		-57%	1.89		-46%	0.43		-10.8%
Road CO ₂		-51%	1.7		-38%	0.39		-11.9%
Aviation CO ₂		-80%	0.12		-75%	0.03		-14.3%
Waterbourne CO ₂		0	0			0.00		



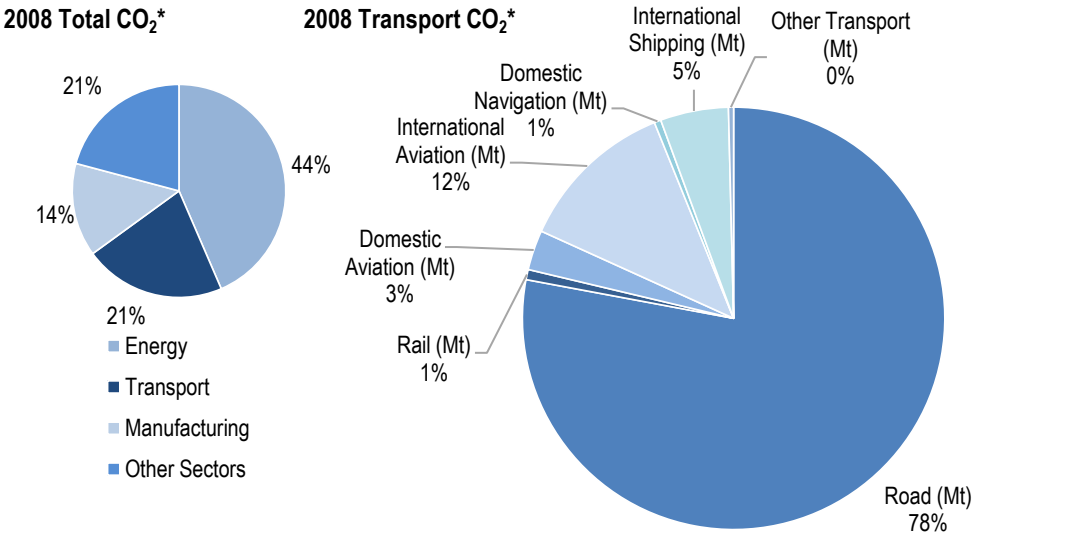
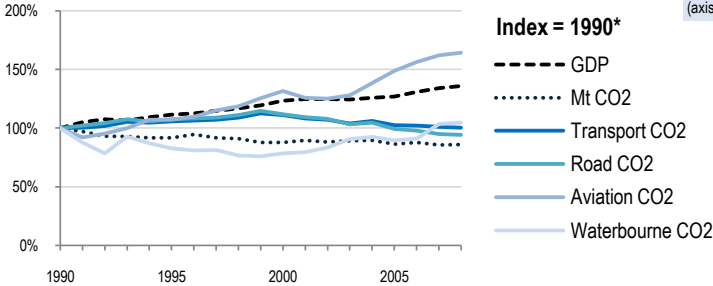
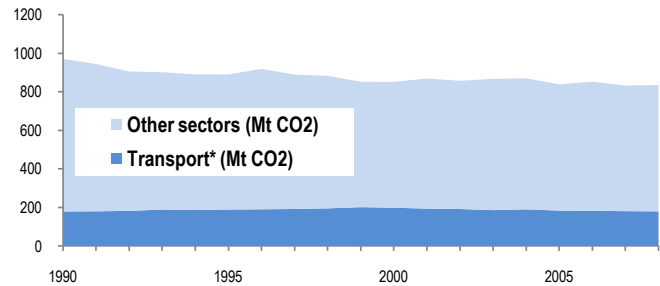
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	5.46	5.03	4.72	4.67	4.61	4.56	4.52	4.47	4.43	4.40	4.36	-20%	-1.24%	-0.91%
GDP PPP (billion 2000 US dollars)	25.15	7.11	9.43	9.89	10.43	11.58	12.26	13.44	14.70	16.52	16.85	-33%	-2.20%	2.00%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	13411	1376	4388	5000	5617	6009	5425	6723	7979	7521	7115	-47%	-3.46%	-5.40%
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	0.53	0.19	0.47	0.51	0.54	0.52	0.44	0.50	0.54	0.46	0.42	-21%	-1.29%	-7.25%
Passenger cars per 1000 inhabitants	89	67	52	53	55	56	..	..	..	95	..	..	0.38%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	29.29	7.23	4.42	3.5	2.95	3.17	3.4	4.37	4.86	5.59	4.83	-84%	-9.53%	-13.60%
... of which transport CO2 (Mt)*	4.35	1.19	1	1.18	1.27	1.31	1.3	1.61	1.67	2.12	1.89	-57%	-4.53%	-10.85%
Transport* as a percentage of total	14.9%	16.5%	22.6%	33.7%	43.1%	41.3%	38.2%	36.8%	34.4%	37.9%	39.1%	..	..	..
Road (Mt)	3.46	0.82	0.91	1.13	1.19	1.22	1.18	1.48	1.53	1.93	1.7	-51%	-3.87%	-11.92%
Rail (Mt)	0.11	0.2	0.03	0	0	0	0	0	0	0	0	-100%	..	..
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	0.60	0.01	0.05	0.04	0.07	0.08	0.11	0.11	0.11	0.14	0.12	-80%	-8.55%	-14.29%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	0	0.16	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	0.18	0	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.06	0.07	-61%	-5.11%	16.67%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Germany



Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	-14%	834.95	-17%	10.17	-37%	0.36	0.3%
Transport CO ₂	0%	179.45	-3%	2.19	-26%	0.08	-0.5%
Road CO ₂	-6%	139.86	-9%	1.70	-31%	0.06	-1.0%
Aviation CO ₂	64%	27.21	59%	0.33	21%	0.01	1.3%
Waterbourne CO ₂	5%	10.28	1%	0.13	-23%	0.00	1.0%



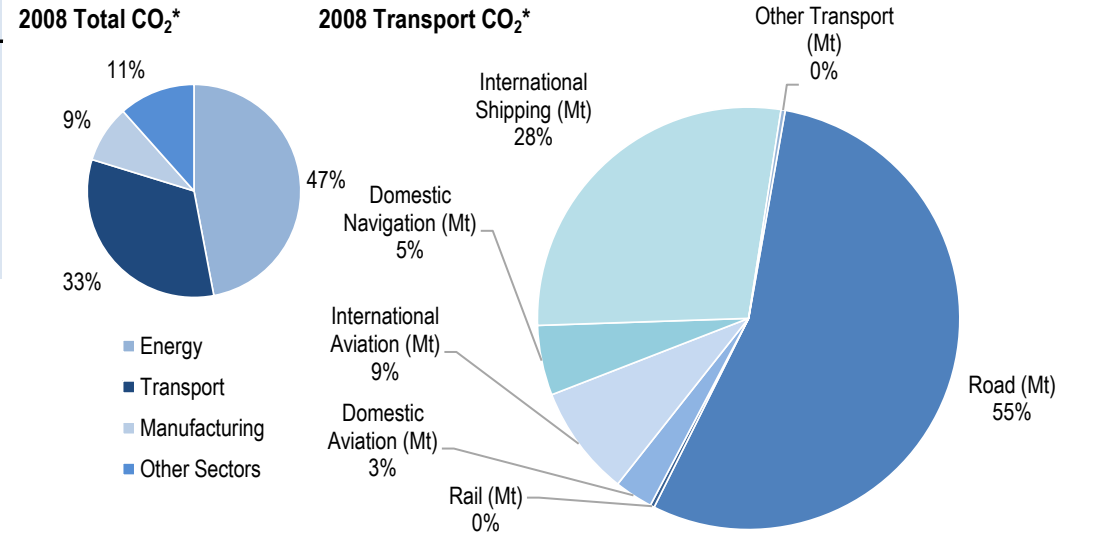
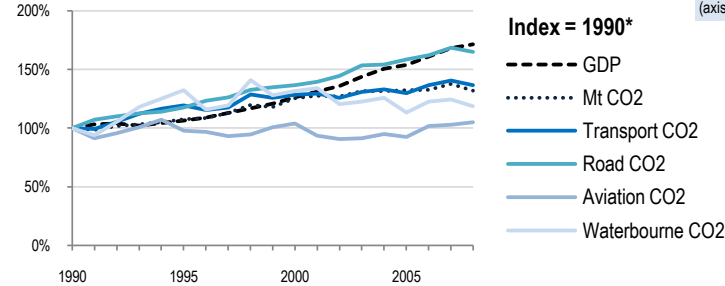
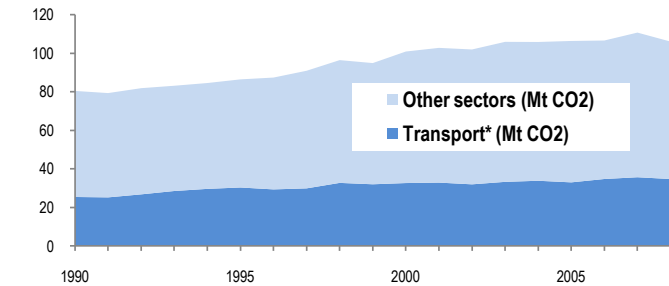
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	79.36	81.66	82.19	82.34	82.48	82.52	82.50	82.46	82.37	82.26	82.12	3%	0.19%	-0.17%
GDP PPP (billion 2000 US dollars)	1732.21	1931.18	2132.96	2159.41	2159.41	2154.72	2180.74	2197.16	2266.70	2322.58	2351.80	36%	1.71%	1.26%
Road passenger km (million pkm)	649800	883800	900300	921300	930500	925200	936506	923963	929484	933387	915821	41%	1.92%	-1.88%
Road and Rail freight tkm (million tkm)	273000	308015	358199	365120	361490	370759	390153	405535	437016	458054	457202	67%	2.91%	-0.19%
Road pkm/capita	8188	10823	10954	11189	11282	11212	11352	11205	11284	11347	11152	36%	1.73%	-1.71%
Road and Rail freight tkm/\$ gdp	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.19	0.20	0.19	23%	1.17%	-1.43%
Passenger cars per 1000 inhabitants	386	495	515	539	541	541	546	550	565	566	..	..	2.28%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	970.79	889.89	851.38	868.92	856.85	867.14	870.03	838.79	852.26	832.21	834.95	-14%	-0.83%	0.33%
... of which transport CO2 (Mt)*	178.73	188.76	198.23	193.58	191.66	185.83	189.73	183.25	182.57	180.33	179.45	0%	0.02%	-0.49%
Transport* as a percentage of total														
Road (Mt)	148.66	159.69	166.14	162.44	160.31	153.42	155.51	147.69	145.61	141.34	139.86	-6%	-0.34%	-1.05%
Rail (Mt)	2.92	2.27	1.79	1.8	1.69	1.57	1.5	1.34	1.38	1.26	1.4	-52%	-4.00%	11.11%
Domestic Aviation (Mt)	3.98	3.61	4.42	4.22	4.19	4.29	4.62	4.97	5.22	5.41	5.48	38%	1.79%	1.29%
International Aviation (Mt)	12.58	14.13	17.39	16.59	16.53	16.92	18.29	19.69	20.69	21.45	21.73	73%	3.08%	1.31%
Domestic Navigation (Mt)	2.03	1.71	0.86	0.83	0.72	0.72	0.72	0.98	0.84	0.52	0.92	-55%	-4.30%	76.92%
International Shipping (Mt)	7.79	6.43	6.85	6.96	7.46	8.17	8.36	7.83	8.11	9.66	9.36	20%	1.03%	-3.11%
Other Transport (Mt)	0.77	0.91	0.77	0.73	0.75	0.74	0.73	0.74	0.73	0.7	0.7	-9%	-0.53%	0.00%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	1251.33	1122.61	1051.28	1067.03	1047.30	1041.83	1028.80	1009.02	1016.30	992.79	993.53	-21%	-1.27%	0.07%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	979.92	870.55	834.48	855.86	840.72	839.97	826.29	812.55	819.39	792.18	795.72	-19%	-1.15%	0.45%
... of which transport GHG (Mt CO2 eq.)*	184.17	199.23	209.06	204.82	203.72	197.73	198.18	192.61	190.03	189.33	188.95	3%	0.14%	-0.20%
Road (Mt)	152.24	167.18	173.05	169.51	167.68	161.35	161.17	152.95	149.02	146.15	145.97	-4%	-0.23%	-0.12%
International Aviation (Mt)	11.52	14.68	19.52	19.16	19.13	19.55	20.20	23.31	24.47	25.43	25.78	124%	4.57%	1.36%
International Shipping (Mt)	8.06	6.60	7.09	7.17	7.68	8.46	8.67	8.12	8.39	10.02	9.69	20%	1.03%	-3.30%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Greece



Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008, Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	32%	106.05	21%	9.44	-23%	0.39	-4.2%
Transport CO ₂	37%	34.72	26%	3.09	-20%	0.13	-2.6%
Road CO ₂	65%	18.96	52%	1.69	-4%	0.07	-2.2%
Aviation CO ₂	5%	3.96	-3%	0.35	-39%	0.01	2.1%
Waterbourne CO ₂	19%	11.58	9%	1.03	-31%	0.04	-4.5%



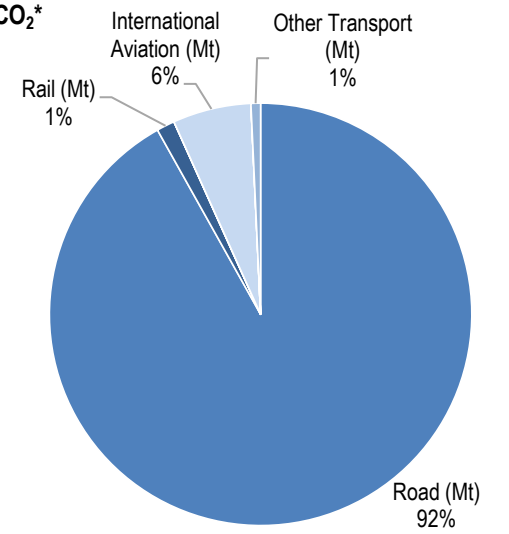
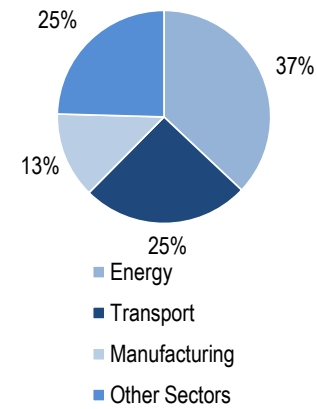
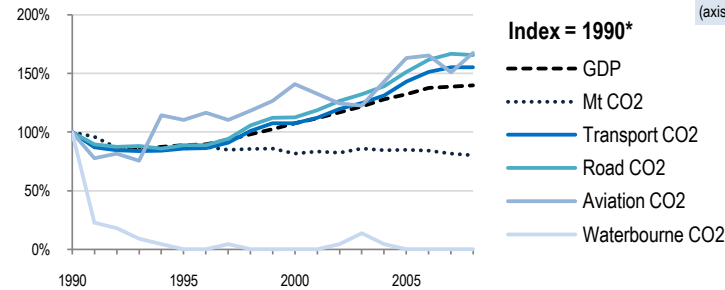
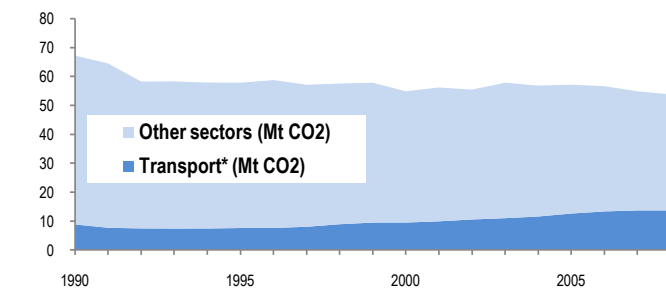
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	10.34	10.63	10.92	10.95	10.99	11.02	11.06	11.10	11.15	11.19	11.24	9%	0.46%	0.45%
GDP PPP (billion 2000 US dollars)	159.48	169.67	201.02	209.45	216.66	229.54	240.15	245.53	256.63	268.11	273.51	72%	3.04%	2.01%
Road passenger km (million pkm)	24233	31452	40458	41083	41811	42029	42596	42484	42309	42577	42182	74%	3.13%	-0.93%
Road and Rail freight tkm (million tkm)	13095	12662	14717	14803	15027	15156	16065	16474	17172	18194	17746	36%	1.70%	-2.46%
Road pkm/capita	2344	2959	3705	3752	3804	3814	3851	3827	3795	3805	3753	60%	2.65%	-1.37%
Road and Rail freight tkm/\$ gdp	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	-21%	-1.30%	-4.39%
Passenger cars per 1000 inhabitants	171	211	293	312	331	348	368	388	409	429	..	..	5.56%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	80.44	86.43	100.88	102.78	101.95	105.91	105.84	106.36	106.6	110.71	106.05	32%	1.55%	-4.21%
... of which transport CO ₂ (Mt)*	25.4	30.33	32.63	32.87	31.97	33.25	33.82	32.99	34.73	35.65	34.72	37%	1.75%	-2.61%
Transport* as a percentage of total	31.6%	35.1%	32.3%	32.0%	31.4%	31.4%	32.0%	31.0%	32.6%	32.2%	32.7%			
Road (Mt)	11.5	13.52	15.7	16.05	16.62	17.64	17.74	18.22	18.64	19.39	18.96	65%	2.82%	-2.22%
Rail (Mt)	0.2	0.14	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.12	0.11	-45%	-3.27%	-8.33%
Domestic Aviation (Mt)	1.43	1.17	1.51	1.29	1.18	1.12	1.19	1.19	1.07	1.06	1.02	-29%	-1.86%	-3.77%
International Aviation (Mt)	2.34	2.52	2.41	2.24	2.24	2.32	2.39	2.3	2.76	2.82	2.94	26%	1.28%	4.26%
Domestic Navigation (Mt)	1.78	1.71	1.54	2.1	1.9	1.88	2.11	2.02	2.22	2.07	1.86	4%	0.24%	-10.14%
International Shipping (Mt)	7.97	11.17	11.28	10.96	9.83	10.07	10.16	9.02	9.74	10.05	9.72	22%	1.11%	-3.28%
Other Transport (Mt)	0.18	0.1	0.07	0.1	0.08	0.09	0.1	0.11	0.17	0.15	0.11	-39%	-2.70%	-26.67%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	113.87	121.87	138.85	139.67	138.20	142.84	143.31	144.41	141.48	144.94	139.40	22%	1.13%	-3.82%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	86.88	93.54	109.62	111.50	110.02	114.97	115.33	116.65	116.18	119.49	114.99	32%	1.57%	-3.77%
... of which transport GHG (Mt CO ₂ eq.)*	25.35	30.86	33.56	33.89	32.92	34.99	35.51	33.68	35.74	36.80	35.20	39%	1.84%	-4.36%
Road (Mt)	11.97	14.11	16.47	16.84	17.41	18.42	18.48	18.66	19.22	20.11	19.37	62%	2.71%	-3.70%
International Aviation (Mt)	2.47	2.64	2.53	2.35	2.35	3.06	3.14	2.41	2.89	2.95	2.65	7%	0.37%	-10.41%
International Shipping (Mt)	8.11	11.37	11.47	11.14	9.99	10.23	10.32	9.17	9.90	10.11	9.87	22%	1.10%	-2.43%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Hungary

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)	2008 Total CO ₂ *	2008 Transport CO ₂ *
Total CO ₂	53.8 Mt	53.83	-17%	5.36	-43%	0.33	-1.9%			
Transport CO ₂	55%	13.67	60%	1.36	11%	0.08	0.0%			
Road CO ₂	66%	12.56	71%	1.25	19%	0.08	-0.7%			
Aviation CO ₂	67%	0.82	73%	0.08	20%	0.01	10.8%			
Waterbourne CO ₂	-100%	0	-100%	0.00	-100%	0.00				

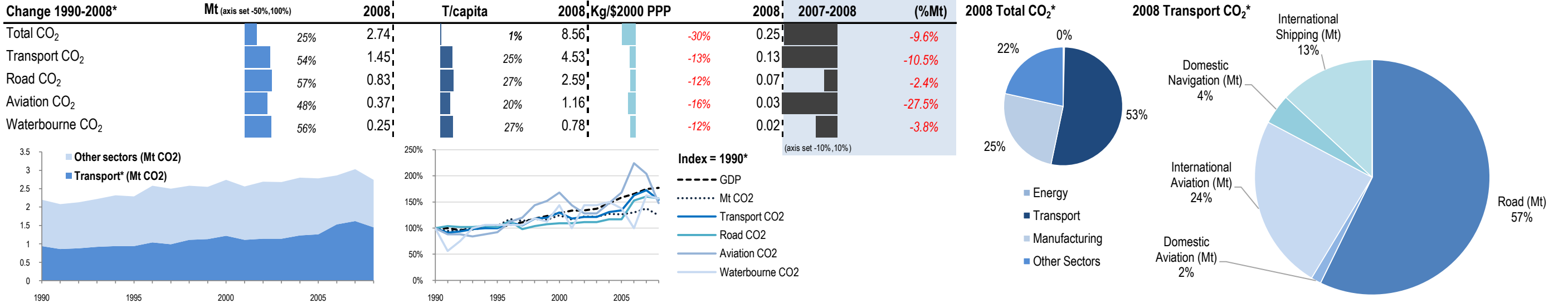


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	10.37	10.33	10.21	10.19	10.16	10.13	10.11	10.09	10.07	10.06	10.04	-3%	-0.18%	-0.20%
GDP PPP (billion 2000 US dollars)	115.05	102.08	123.70	128.81	134.49	140.23	147.04	152.23	158.27	159.80	160.83	40%	1.88%	0.64%
Road passenger km (million pkm)	71104	64542	64622	64506	64702	64965	64858	64159	64497	58286	59390	-16%	-1.00%	1.89%
Road and Rail freight tkm (million tkm)	31940	21377	20241	19580	18360	18779	19728	20490	22586	23311	22884	-28%	-1.84%	-1.83%
Road pkm/capita	6857	6248	6329	6330	6368	6413	6415	6359	6405	5794	5915	-14%	-0.82%	2.10%
Road and Rail freight tkm/\$ gdp	0.28	0.21	0.16	0.15	0.14	0.13	0.13	0.13	0.14	0.15	0.14	-49%	-3.65%	-2.46%
Passenger cars per 1000 inhabitants	188	223	232	256	259	274	..	..	292	300	..	..	2.79%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	67.23	57.85	54.88	56.21	55.46	57.85	56.85	57.15	56.67	54.86	53.83	-20%	-1.23%	-1.88%
... of which transport CO2 (Mt)*	8.81	7.58	9.47	9.89	10.53	10.98	11.56	12.59	13.32	13.67	13.67	55%	2.47%	0.00%
Transport* as a percentage of total	13.1%	13.1%	17.3%	17.6%	19.0%	19.0%	20.3%	22.0%	23.5%	24.9%	25.4%			
Road (Mt)	7.58	6.72	8.52	8.99	9.6	10.03	10.54	11.46	12.27	12.65	12.56	66%	2.85%	-0.71%
Rail (Mt)	0.52	0.32	0.26	0.25	0.24	0.23	0.22	0.2	0.19	0.19	0.19	-63%	-5.44%	0.00%
Domestic Aviation (Mt)	0	0	0	0	0	0	0.01	0.01	0.01	0	0	..	..	..
International Aviation (Mt)	0.49	0.54	0.69	0.65	0.61	0.6	0.69	0.79	0.8	0.74	0.82	67%	2.90%	10.81%
Domestic Navigation (Mt)	0.22	0	0	0	0.01	0.03	0.01	0	0	0	0	-100%	..	..
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	0	0	0	0	0.08	0.08	0.1	0.13	0.05	0.09	0.1	..	3.79%	11.11%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	97.86	79.20	77.74	79.67	77.66	80.70	79.73	80.54	78.84	76.46	73.97	-24%	-1.54%	-3.26%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	68.62	58.88	56.00	57.73	56.28	59.36	57.50	58.36	57.25	55.26	54.17	-21%	-1.30%	-1.98%
... of which transport GHG (Mt CO2 eq.)*	8.68	7.54	9.47	9.72	10.21	10.58	11.17	12.92	13.37	13.59	13.72	58%	2.58%	1.00%
Road (Mt)	7.62	6.66	8.54	8.91	9.38	9.72	10.31	12.03	12.49	12.64	12.69	67%	2.87%	0.38%
International Aviation (Mt)	0.50	0.55	0.66	0.56	0.60	0.62	0.64	0.69	0.68	0.75	0.84	68%	2.94%	11.42%
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Iceland

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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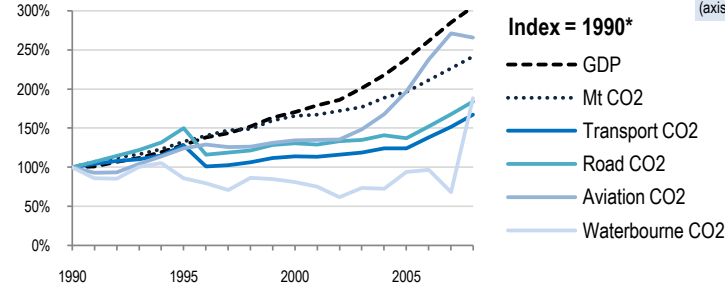
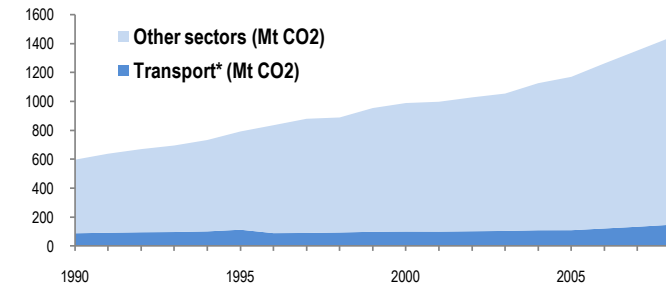
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	0.26	0.27	0.28	0.29	0.29	0.29	0.29	0.30	0.30	0.31	0.32	23%	1.16%	3.23%
GDP PPP (billion 2000 US dollars)	6.31	6.39	8.11	8.43	8.44	8.64	9.31	10.01	10.44	11.02	11.17	77%	3.22%	1.36%
Road passenger km (million pkm)	3004	3467	4250	4458	4583	4711	4855	5145	5455	5730	5585	86%	3.51%	-2.53%
Road and Rail freight tkm (million tkm)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Road pkm/capita	11554	12841	15179	15372	15803	16245	16741	17150	18183	18484	17453	51%	2.32%	-5.58%
Road and Rail freight tkm/\$ gdp	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Passenger cars per 1000 inhabitants	470	445	566	561	562	576	601	632	..	667	..	..	2.08%	..
CO ₂ Emissions														
IEA CO ₂ from fuel combustion (Mt)*	2.2	2.29	2.74	2.56	2.69	2.68	2.8	2.78	2.86	3.03	2.74	25%	1.23%	-9.57%
... of which transport CO ₂ (Mt)*	0.94	0.94	1.22	1.11	1.14	1.14	1.23	1.26	1.53	1.62	1.45	54%	2.44%	-10.49%
<i>Transport* as a percentage of total</i>	<i>42.7%</i>	<i>41.0%</i>	<i>44.5%</i>	<i>43.4%</i>	<i>42.4%</i>	<i>42.5%</i>	<i>43.9%</i>	<i>45.3%</i>	<i>53.5%</i>	<i>53.5%</i>	<i>52.9%</i>			
Road (Mt)	0.53	0.54	0.58	0.58	0.59	0.59	0.62	0.62	0.81	0.85	0.83	57%	2.52%	-2.35%
Rail (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Domestic Aviation (Mt)	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	-33%	-2.23%	0.00%
International Aviation (Mt)	0.22	0.2	0.39	0.34	0.3	0.3	0.35	0.4	0.53	0.49	0.35	59%	2.61%	-28.57%
Domestic Navigation (Mt)	0.06	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.06	0.06	0%	0.00%	0.00%
International Shipping (Mt)	0.10	0.14	0.21	0.14	0.21	0.21	0.22	0.20	0.11	0.20	0.19	90%	3.63%	-5.00%
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	3.74	3.59	4.40	4.24	4.28	4.21	4.36	4.26	4.91	5.23	5.54	48%	2.21%	5.92%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	2.04	2.22	2.52	2.36	2.46	2.42	2.59	2.52	2.67	2.81	2.57	26%	1.29%	-8.51%
... of which transport GHG (Mt CO ₂ eq.)*	0.94	1.01	1.31	1.19	1.21	1.27	1.42	1.39	1.64	1.75	1.64	74%	3.11%	-6.74%
Road (Mt)	0.53	0.56	0.63	0.64	0.65	0.73	0.77	0.80	0.91	0.95	0.89	69%	2.95%	-5.74%
International Aviation (Mt)	0.22	0.24	0.41	0.35	0.31	0.34	0.38	0.43	0.50	0.52	0.43	95%	3.77%	-16.36%
International Shipping (Mt)	0.10	0.15	0.22	0.15	0.21	0.15	0.20	0.11	0.14	0.21	0.23	131%	4.76%	10.44%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

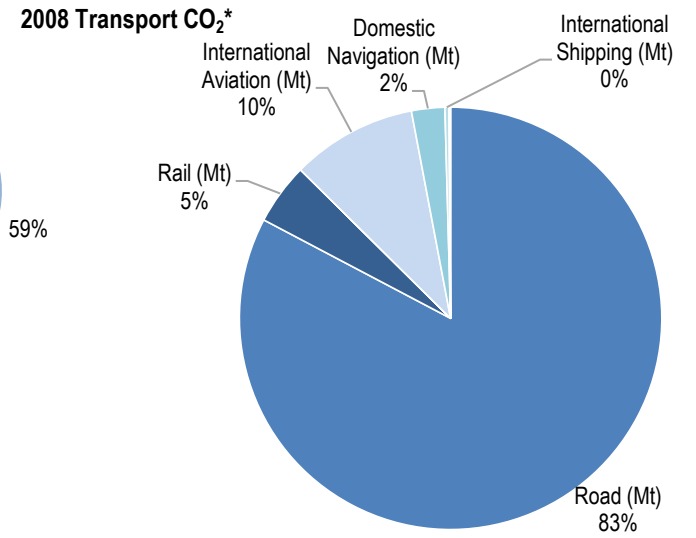
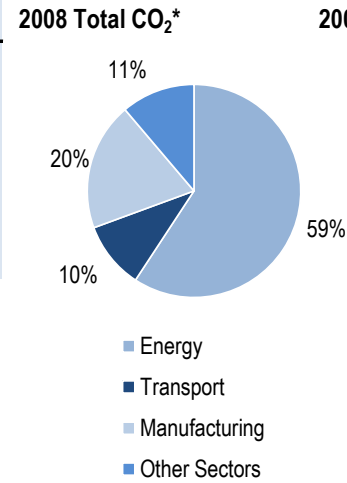
India

EU-27	N. America	Asia-Pacific	Other ITF or OECD	1442.2 Mt	Top 10 non-ITF
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Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	142%	1442.15	80%	1.27	-21%	0.33	6.6%	
Transport CO ₂	67%	146.39	25%	0.13	-45%	0.03	10.3%	
Road CO ₂	84%	121.08	37%	0.11	-40%	0.03	9.6%	
Aviation CO ₂	166%	14.06	98%	0.01	-13%	0.00	-2.0%	
Waterbourne CO ₂	88%	4.18	40%	0.00	-38%	0.00	176.8%	



(axis set -10%,10%)



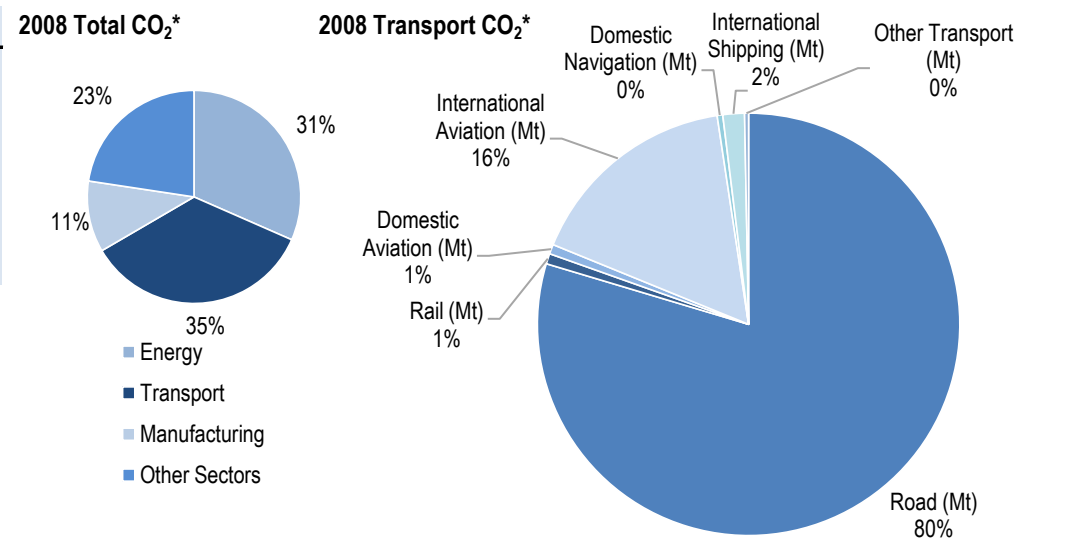
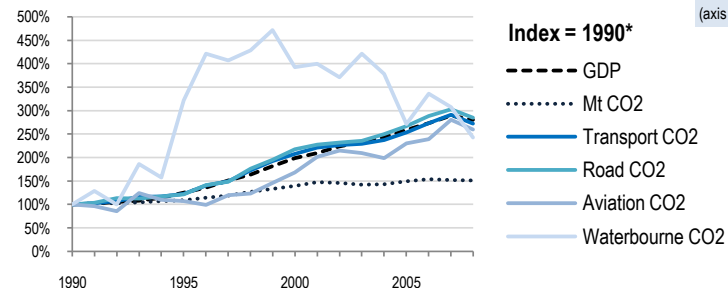
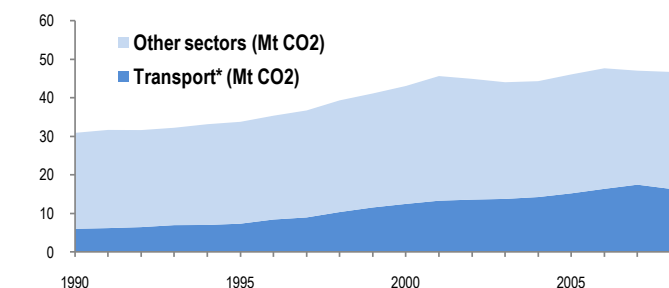
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	849.52	932.18	1015.92	1032.47	1048.64	1064.40	1079.72	1094.58	1109.81	1124.79	1139.97	34%	1.65%	1.35%
GDP PPP (billion 2000 US dollars)	1411.90	1809.11	2402.02	2527.33	2622.53	2842.06	3077.33	3365.13	3690.51	4024.89	4310.30	205%	6.40%	7.09%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Passenger cars per 1000 inhabitants	2	4	6	7	7	8	..	..	..	..	..	..	11.25%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	596.74	791.99	988.64	997.55	1027.81	1054.21	1125.99	1170.02	1262.54	1352.36	1442.15	142%	5.02%	6.64%
... of which transport CO ₂ (Mt)*	87.49	112.05	99.52	99	101.63	103.82	108.36	108.75	120.68	132.75	146.39	67%	2.90%	10.27%
<i>Transport* as a percentage of total</i>	<i>14.7%</i>	<i>14.1%</i>	<i>10.1%</i>	<i>9.9%</i>	<i>9.9%</i>	<i>9.8%</i>	<i>9.6%</i>	<i>9.3%</i>	<i>9.6%</i>	<i>9.8%</i>	<i>10.2%</i>			
Road (Mt)	65.78	98.52	85.79	84.83	87.51	88.84	92.59	90.25	100.04	110.46	121.08	84%	3.45%	9.61%
Rail (Mt)	14.11	5	4.62	5.08	5.34	5.21	5.17	5.97	5.9	6.41	6.88	-51%	-3.91%	7.33%
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	5.29	6.57	7.1	7.12	7.16	7.84	8.87	10.4	12.57	14.34	14.06	166%	5.58%	-1.95%
Domestic Navigation (Mt)	1.75	1.52	1.53	1.55	1.27	1.44	1.52	2	2.09	1.36	3.73	113%	4.29%	174.26%
International Shipping (Mt)	0.47	0.39	0.27	0.12	0.10	0.19	0.09	0.08	0.05	0.15	0.45	-4%	-0.24%	200.00%
Other Transport (Mt)	0.09	0.04	0.21	0.29	0.25	0.3	0.12	0.05	0.03	0.03	0.18	100%	3.93%	500.00%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Ireland



Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,	Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	51%	46.71	20%	10.52	-46%	0.30		-0.7%
Transport CO ₂	173%	16.36	116%	3.68	-3%	0.11		-6.2%
Road CO ₂	185%	13.02	125%	2.93	2%	0.08		-5.8%
Aviation CO ₂	160%	2.81	106%	0.63	-7%	0.02		-7.3%
Waterbourne CO ₂	143%	0.34	92%	0.08	-13%	0.00		-20.9%



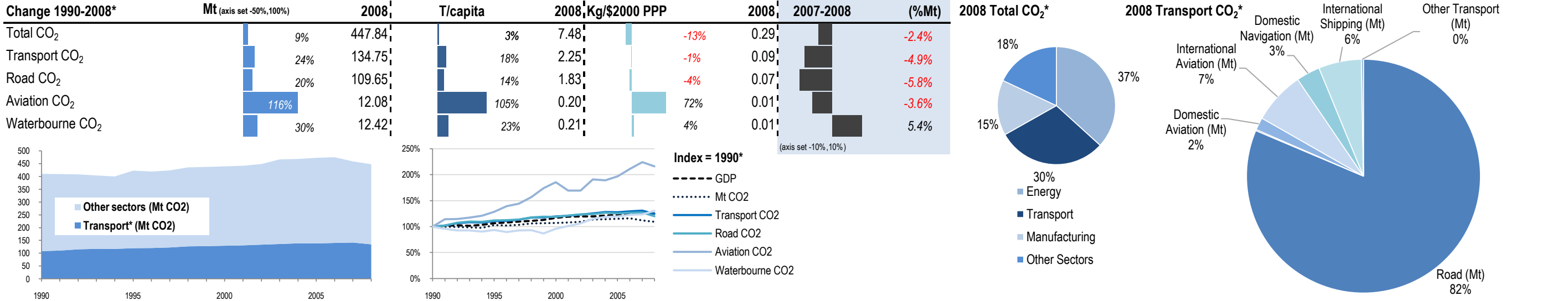
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	3.51	3.60	3.80	3.86	3.93	3.99	4.06	4.15	4.25	4.36	4.44	26%	1.31%	1.83%
GDP PPP (billion 2000 US dollars)	54.91	68.87	108.98	115.24	122.70	128.09	133.97	142.24	149.86	158.89	154.07	181%	5.90%	-3.03%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	5719	6095	12839	12921	14874	16296	17688	18455	17893	19275	17393	204%	6.37%	-9.76%
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	0.10	0.09	0.12	0.11	0.12	0.13	0.13	0.13	0.12	0.12	0.11	8%	0.45%	-6.94%
Passenger cars per 1000 inhabitants	227	265	347	363	374	382	..	..	..	437	..	..	3.93%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	30.9	33.76	43.06	45.63	44.91	44.03	44.31	46.06	47.65	47.03	46.71	51%	2.32%	-0.68%
... of which transport CO ₂ (Mt)*	6	7.33	12.46	13.29	13.57	13.76	14.24	15.2	16.37	17.45	16.36	173%	5.73%	-6.25%
Transport* as a percentage of total	19.4%	21.7%	28.9%	29.1%	30.2%	31.3%	32.1%	33.0%	34.4%	37.1%	35.0%	..	..	..
Road (Mt)	4.57	5.55	9.93	10.38	10.58	10.77	11.41	12.21	13.19	13.82	13.02	185%	5.99%	-5.79%
Rail (Mt)	0.14	0.15	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	-7%	-0.41%	0.00%
Domestic Aviation (Mt)	0.05	0.05	0.09	0.11	0.12	0.11	0.11	0.14	0.18	0.16	0.12	140%	4.98%	-25.00%
International Aviation (Mt)	1.03	1.11	1.73	2.07	2.2	2.15	2.04	2.35	2.4	2.87	2.69	161%	5.48%	-6.27%
Domestic Navigation (Mt)	0.08	0.09	0.08	0.06	0.06	0.06	0.06	0.06	0.09	0.09	0.07	-13%	-0.74%	-22.22%
International Shipping (Mt)	0.06	0.36	0.47	0.50	0.46	0.53	0.47	0.32	0.38	0.34	0.27	350%	8.72%	-20.59%
Other Transport (Mt)	0.06	0.02	0.04	0.03	0.03	0.02	0.03	0.01	0.01	0.04	0.05	-17%	-1.01%	25.00%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	55.94	60.00	70.04	72.28	70.51	70.32	69.92	71.64	71.58	71.04	70.47	26%	1.29%	-0.80%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	32.03	35.24	44.72	47.17	46.14	45.95	46.43	48.37	48.42	48.68	48.67	52%	2.35%	-0.01%
... of which transport GHG (Mt CO ₂ eq.)*	6.29	7.79	13.05	13.96	14.24	14.45	14.89	15.85	17.00	17.76	17.29	175%	5.78%	-2.69%
Road (Mt)	4.80	5.86	10.34	10.79	11.07	11.23	11.83	12.57	13.31	13.97	13.82	188%	6.05%	-1.04%
International Aviation (Mt)	1.07	1.15	1.81	2.17	2.32	2.27	2.14	2.48	2.87	3.03	2.81	162%	5.50%	-7.28%
International Shipping (Mt)	0.06	0.37	0.48	0.51	0.46	0.54	0.47	0.33	0.40	0.36	0.22	289%	7.84%	-38.13%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Italy

EU-27		N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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447.8 Mt

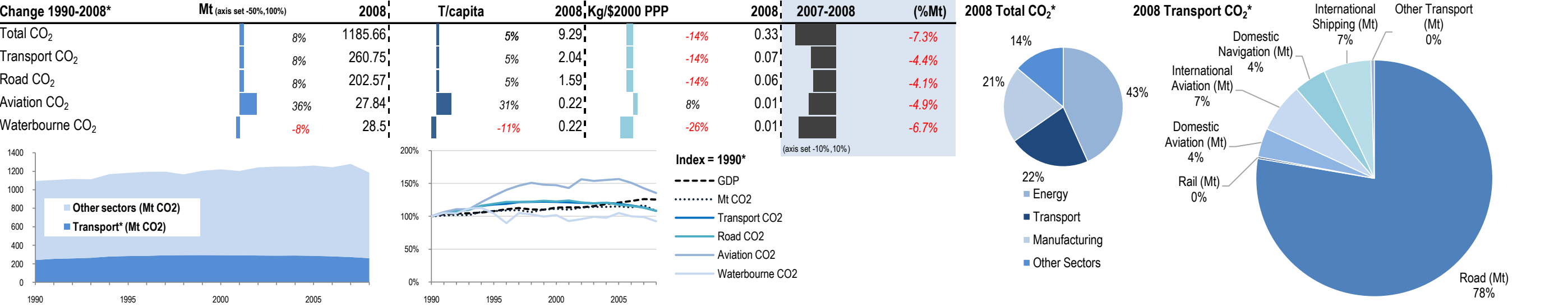


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	56.72	56.84	56.94	56.98	57.16	57.61	58.18	58.61	58.94	59.38	59.89	6%	0.30%	0.86%
GDP PPP (billion 2000 US dollars)	1245.38	1326.59	1457.57	1484.08	1490.81	1490.56	1513.40	1523.32	1554.34	1578.64	1562.23	25%	1.27%	-1.04%
Road passenger km (million pkm)	606549	701860	820079	813276	808678	809307	815820	790209	847909	871303	844892	39%	1.86%	-3.03%
Road and Rail freight tkm (million tkm)	199115	219377	184401	179139	183096	165637	180367	194315	179577	177683	213610	7%	0.39%	20.22%
Road pkm/capita	10694	12348	14403	14273	14148	14048	14022	13482	14386	14673	14107	32%	1.55%	-3.86%
Road and Rail freight tkm/\$ gdp	0.16	0.17	0.13	0.12	0.12	0.11	0.12	0.13	0.12	0.11	0.14	-14%	-0.87%	21.48%
Passenger cars per 1000 inhabitants	476	524	545	576	584	..	590	595	..	601	..	..	1.38%	..
CO₂ Emissions														
IEA CO ₂ from fuel combustion (Mt)*	410.23	422.8	439.58	441.8	448.64	466.75	468.52	472.9	475.3	458.8	447.84	9%	0.49%	-2.39%
... of which transport CO ₂ (Mt)*	108.35	119.7	129.36	130.8	133.5	136.05	138.69	138.18	140.28	141.75	134.75	24%	1.22%	-4.94%
Transport* as a percentage of total	26.4%	28.3%	29.4%	29.6%	29.8%	29.1%	29.6%	29.2%	29.5%	30.9%	30.1%			
Road (Mt)	91.46	102.18	108.72	110.89	113.14	113.61	115.85	114.82	115.88	116.45	109.65	20%	1.01%	-5.84%
Rail (Mt)	0.61	0.6	0.43	0.37	0.38	0.41	0.36	0.3	0.35	0.33	0.22	-64%	-5.51%	-33.33%
Domestic Aviation (Mt)	1.09	1.38	1.98	1.83	1.83	2.06	2.04	2.13	2.28	2.42	2.32	113%	4.29%	-4.13%
International Aviation (Mt)	4.50	5.8	8.38	7.64	7.64	8.6	8.53	8.88	9.52	10.11	9.76	117%	4.40%	-3.46%
Domestic Navigation (Mt)	1.16	1.34	3.96	4.11	4.1	4.4	4.41	4.34	4.34	4.18	4.44	283%	7.74%	6.22%
International Shipping (Mt)	8.37	7.59	5.16	5.52	6.00	6.56	6.89	7.06	7.35	7.60	7.98	-5%	-0.26%	5.00%
Other Transport (Mt)	1.16	0.82	0.73	0.44	0.42	0.4	0.61	0.65	0.55	0.67	0.39	-66%	-5.88%	-41.79%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	525.68	539.24	562.13	568.25	569.06	585.69	589.68	588.81	579.47	570.97	559.97	7%	0.35%	-1.93%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	416.45	431.17	454.11	460.02	462.39	478.30	482.08	482.25	479.29	470.21	464.02	11%	0.60%	-1.32%
... of which transport GHG (Mt CO ₂ eq.)*	111.53	123.50	134.72	137.37	139.30	142.09	144.63	143.52	146.15	147.09	142.36	28%	1.37%	-3.22%
Road (Mt)	94.87	105.66	112.52	115.15	117.23	118.22	120.23	118.41	119.70	120.12	115.22	21%	1.09%	-4.08%
International Aviation (Mt)	4.20	5.72	8.09	8.09	7.38	8.60	8.69	9.18	9.91	10.51	10.16	142%	5.03%	-3.29%
International Shipping (Mt)	4.43	4.07	4.22	4.86	5.60	6.34	6.87	6.99	7.52	7.83	8.32	88%	3.56%	6.25%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Japan

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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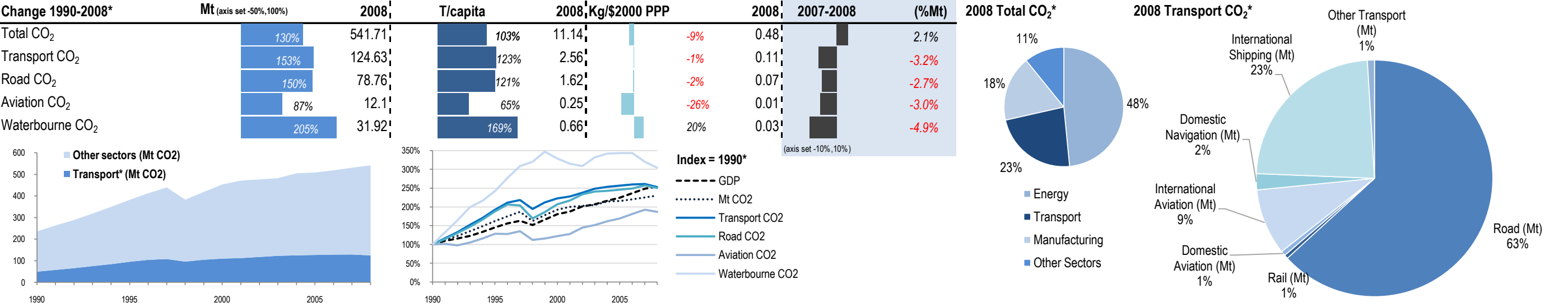


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	123.61	125.57	126.93	127.32	127.49	127.69	127.79	127.77	127.77	127.77	127.69	3%	0.18%	-0.06%
GDP PPP (billion 2000 US dollars)	2870.68	3095.63	3250.28	3256.28	3264.81	3310.96	3401.83	3467.62	3538.34	3623.02	3597.63	25%	1.26%	-0.70%
Road passenger km (million pkm)	853060	917419	951251	954293	955412	954186	947563	933005	917938	919062	905907	6%	0.33%	-1.43%
Road and Rail freight tkm (million tkm)	301440	319749	335254	335265	334159	344656	350108	357792	369726	378134	368676	22%	1.12%	-2.50%
Road pkm/capita	6901	7306	7494	7495	7494	7473	7415	7302	7184	7193	7095	3%	0.15%	-1.37%
Road and Rail freight tkm/\$ gdp	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	-2%	-0.14%	-1.81%
Passenger cars per 1000 inhabitants	262	311	334	334	335	334	335	335	331	325	319	22%	1.09%	-1.85%
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	1095.34	1182.45	1220.53	1203.14	1241.97	1250.68	1251.31	1261.84	1243.51	1279.26	1185.66	8%	0.44%	-7.32%
... of which transport CO2 (Mt)*	240.63	283.73	292.94	291.67	289.57	287.95	289.42	286.37	280.09	272.83	260.75	8%	0.45%	-4.43%
Transport* as a percentage of total														
Road (Mt)	186.87	222.63	229.36	231.72	226.08	223.91	225.44	219.94	216.33	211.15	202.57	8%	0.45%	-4.06%
Rail (Mt)	0.94	0.82	0.71	0.68	0.67	0.63	0.66	0.65	0.65	0.65	0.65	-31%	-2.03%	0.00%
Domestic Aviation (Mt)	7.23	10.37	10.69	10.74	10.95	11.08	10.68	10.82	11.19	10.89	10.29	42%	1.98%	-5.51%
International Aviation (Mt)	13.31	16.61	19.57	18.67	21.18	20.52	21.22	21.37	19.84	18.39	17.55	32%	1.55%	-4.57%
Domestic Navigation (Mt)	13.21	14.25	14.49	14.04	14.17	13.78	12.6	12.59	12.25	12.01	11.53	-13%	-0.75%	-4.00%
International Shipping (Mt)	17.66	17.92	16.93	14.63	15.33	16.84	17.63	19.80	18.63	18.54	16.97	-4%	-0.22%	-8.47%
Other Transport (Mt)	1.42	1.13	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	-16%	-0.98%	0.00%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	1299.80	1378.36	1381.39	1352.47	1388.34	1393.43	1391.50	1396.51	1376.18	1406.60	1317.00	1%	0.07%	-6.37%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	1106.92	1193.31	1226.65	1210.79	1254.18	1260.69	1262.18	1268.31	1247.13	1278.89	1195.19	8%	0.43%	-6.54%
... of which transport GHG (Mt CO2 eq.)*	246.70	294.70	301.07	299.74	297.02	294.99	295.75	292.55	286.36	278.53	266.12	8%	0.42%	-4.45%
Road (Mt)	193.40	229.99	237.36	239.68	233.39	230.93	231.68	225.87	222.17	216.93	208.07	8%	0.41%	-4.08%
International Aviation (Mt)	13.33	17.10	19.75	18.92	21.37	20.60	21.41	21.56	20.17	18.55	17.70	33%	1.59%	-4.58%
International Shipping (Mt)	17.82	21.47	17.36	15.00	15.74	17.29	18.11	20.43	19.22	19.06	17.48	-2%	-0.11%	-8.31%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Korea

EU-27	N. America	Asia-Pacific	541.8 Mt	Other ITF or OECD	Top 10 non-ITF
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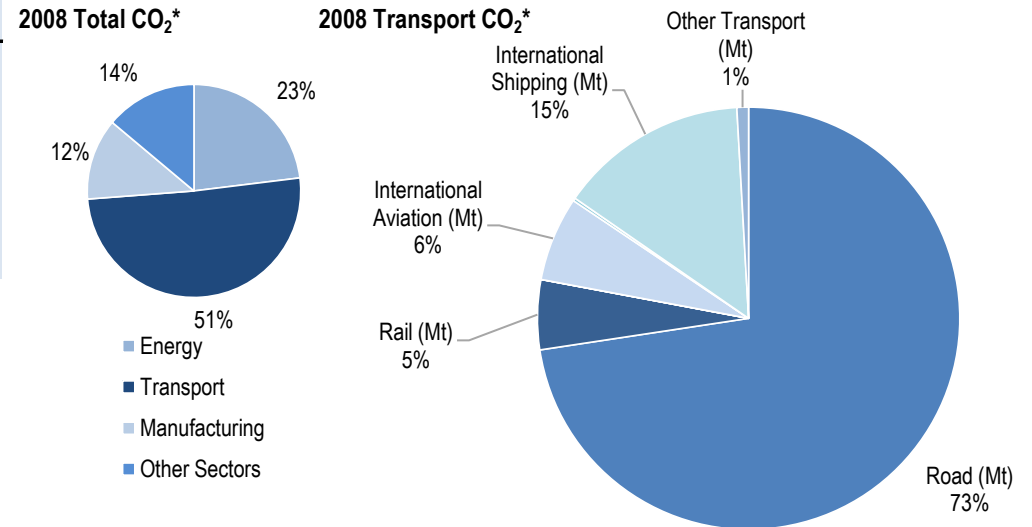
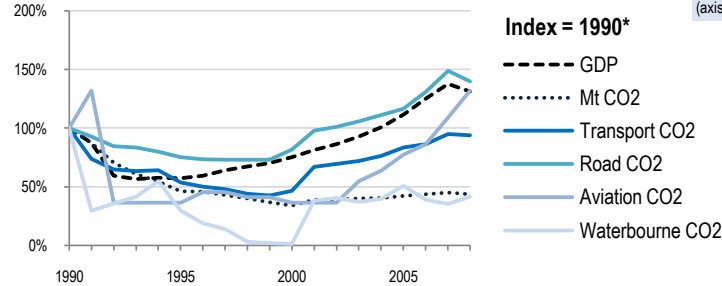
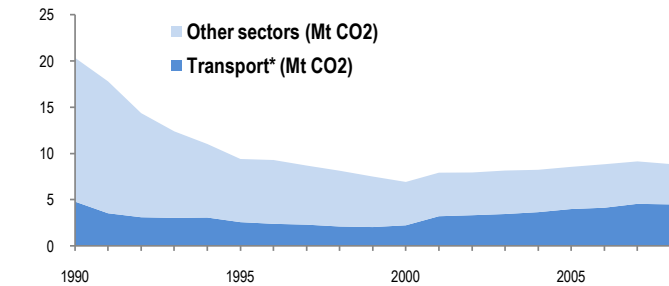
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	42.87	45.09	47.01	47.36	47.62	47.86	48.04	48.14	48.30	48.46	48.61	13%	0.70%	0.31%
GDP PPP (billion 2000 US dollars)	448.59	653.37	809.43	841.59	901.77	927.04	969.86	1008.24	1060.45	1114.60	1139.38	154%	5.31%	2.22%
Road passenger km (million pkm)	0	0	0	267525	244955	238861	190571	200779	204339	204339	204339	..	-3.78%	0.00%
Road and Rail freight tkm (million tkm)	13663	13838	10803	101367	102778	109430	111698	110977	119562	116149	116788	755%	12.66%	0.55%
Road pkm/capita	0	0	0	5649	5144	4991	3967	4171	4231	4217	4204	..	-4.13%	-0.31%
Road and Rail freight tkm/\$ gdp	0.03	0.02	0.01	0.12	0.11	0.12	0.12	0.11	0.11	0.10	0.10	237%	6.97%	-1.64%
Passenger cars per 1000 inhabitants	48	133	172	188	205	215	221	230	240	248	..	..	10.14%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	235.41	382.05	453.21	471.15	476.43	482.38	504.88	508.51	518.63	530.64	541.71	130%	4.74%	2.09%
... of which transport CO2 (Mt)*	49.32	95.05	109.79	112.18	117.31	122.67	124.91	126.65	128.23	128.76	124.63	153%	5.29%	-3.21%
Transport* as a percentage of total	21.0%	24.9%	24.2%	23.8%	24.6%	25.4%	24.7%	24.9%	24.7%	24.3%	23.0%			
Road (Mt)	31.5	59.28	65.23	68.4	73.51	75.84	76.5	77.5	78.39	80.95	78.76	150%	5.22%	-2.71%
Rail (Mt)	0.88	0.93	0.97	0.97	0.97	1	0.85	0.8	0.73	0.67	0.66	-25%	-1.59%	-1.49%
Domestic Aviation (Mt)	5.63	6.26	6.2	6.32	6.59	6.24	6.55	3.69	2.89	3.08	0.82	-85%	-10.15%	-73.38%
International Aviation (Mt)	0.84	2.05	1.7	1.96	2.76	3.59	3.92	7.25	8.83	9.39	11.28	1243%	15.52%	20.13%
Domestic Navigation (Mt)	5.21	4.03	3.98	3.55	3.77	3.82	3.72	2.73	2.7	2.65	2.76	-47%	-3.47%	4.15%
International Shipping (Mt)	5.27	21.35	30.46	29.45	28.58	30.95	32.14	33.24	33.30	30.90	29.16	453%	9.97%	-5.63%
Other Transport (Mt)	0	1.14	1.25	1.53	1.13	1.22	1.21	1.44	1.37	1.11	1.2	..	0.40%	8.11%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Latvia

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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Change 1990-2008*	8.8 Mt Mt (axis set -50%,100%)	2008, T/capita	2008, Kg/\$2000 PPP	2008, 2007-2008	(%Mt)
Total CO ₂	-56% 8.85 -49% 3.90 -67% 0.27 -3.2%				
Transport CO ₂	-6% 4.49 10% 1.98 -29% 0.14 -1.3%				
Road CO ₂	40% 3.26 65% 1.44 7% 0.10 -6.1%				
Aviation CO ₂	32% 0.29 55% 0.13 0% 0.01 20.8%				
Waterbourne CO ₂	-58% 0.66 -51% 0.29 -68% 0.02 17.9%				



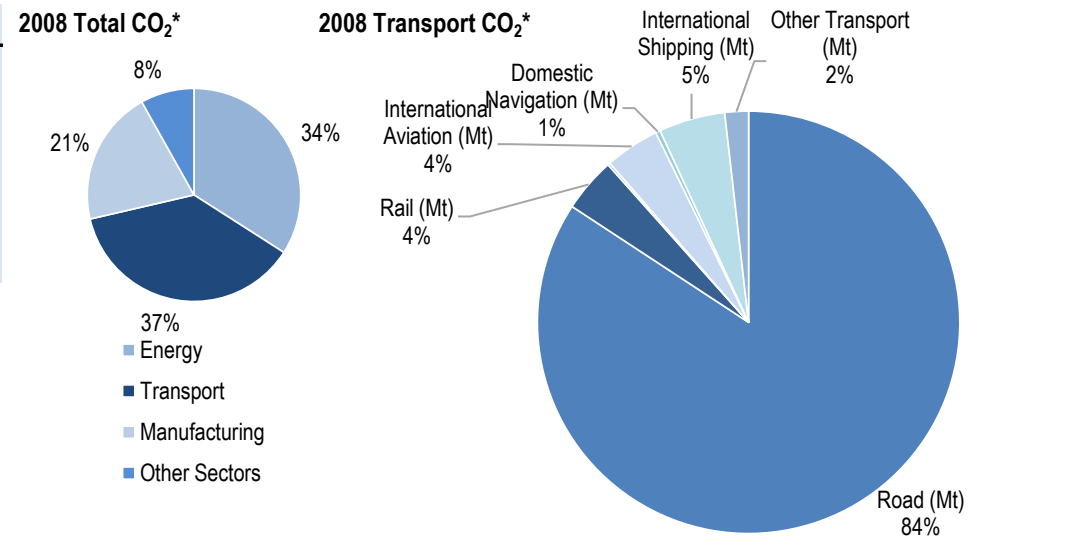
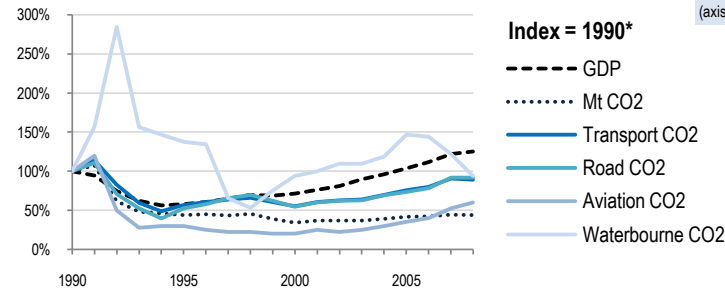
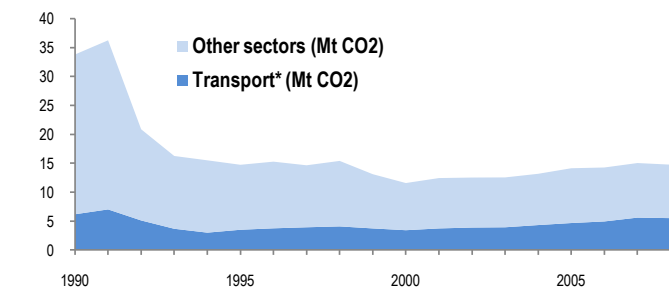
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	2.67	2.52	2.37	2.36	2.34	2.33	2.31	2.30	2.29	2.28	2.27	-15%	-0.90%	-0.44%
GDP PPP (billion 2000 US dollars)	25.16	14.36	18.92	20.44	21.76	23.33	25.35	28.04	31.47	34.61	33.02	31%	1.52%	-4.59%
Road passenger km (million pkm)	5862	1835	2348	2305	2361	2550	2655	2891	2800	2644	2517	-57%	-4.59%	-4.80%
Road and Rail freight tkm (million tkm)	24391	11591	18098	19539	21180	24718	25927	28326	27768	31455	31925	31%	1.51%	1.49%
Road pkm/capita	2196	728	991	977	1009	1094	1149	1257	1223	1160	1109	-49%	-3.72%	-4.38%
Road and Rail freight tkm/\$ gdp	0.97	0.81	0.96	0.96	0.97	1.06	1.02	1.01	0.88	0.91	0.97	0%	-0.01%	6.38%
Passenger cars per 1000 inhabitants	106	132	235	248	265	279	297	323	357	398	..	..	8.09%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	20.34	9.4	6.92	7.92	7.94	8.15	8.23	8.55	8.83	9.14	8.85	-56%	-4.52%	-3.17%
... of which transport CO ₂ (Mt)*	4.79	2.57	2.23	3.21	3.32	3.45	3.65	3.99	4.13	4.55	4.49	-6%	-0.36%	-1.32%
<i>Transport* as a percentage of total</i>	23.5%	27.3%	32.2%	40.5%	41.8%	42.3%	44.3%	46.7%	46.8%	49.8%	50.7%			
Road (Mt)	2.33	1.75	1.9	2.28	2.35	2.46	2.59	2.71	3.05	3.47	3.26	40%	1.88%	-6.05%
Rail (Mt)	0.53	0.24	0.2	0.21	0.22	0.25	0.26	0.26	0.22	0.24	0.24	-55%	-4.31%	0.00%
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	0.22	0.08	0.08	0.08	0.08	0.12	0.14	0.17	0.19	0.24	0.29	32%	1.55%	20.83%
Domestic Navigation (Mt)	0.11	0	0	0	0	0	0	0	0	0	0.01	-91%	-12.47%	#DIV/0!
International Shipping (Mt)	1.48	0.47	0.02	0.61	0.64	0.59	0.63	0.81	0.62	0.56	0.65	-56%	-4.47%	16.07%
Other Transport (Mt)	0.12	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	-67%	-5.92%	0.00%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	28.57	13.16	10.33	11.59	11.61	11.74	11.84	12.40	12.62	13.13	12.88	-55%	-4.33%	-1.86%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	20.85	9.91	7.36	8.43	8.45	8.58	8.67	9.07	9.31	9.66	9.37	-55%	-4.35%	-2.96%
... of which transport GHG (Mt CO ₂ eq.)*	4.78	2.64	2.29	3.31	3.42	3.55	3.77	4.11	4.23	4.65	4.57	-4%	-0.24%	-1.66%
Road (Mt)	2.40	1.80	1.94	2.33	2.40	2.52	2.65	2.77	3.11	3.53	3.31	38%	1.81%	-6.15%
International Aviation (Mt)	0.22	0.08	0.08	0.08	0.08	0.12	0.15	0.18	0.20	0.25	0.30	34%	1.65%	20.48%
International Shipping (Mt)	1.56	0.49	0.03	0.66	0.69	0.63	0.67	0.87	0.65	0.59	0.68	-57%	-4.52%	14.42%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Lithuania



Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,	Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	-56%	14.75,	-52%	4.39,	-65%	0.27,		-1.9%
Transport CO ₂	-11%	5.5,	-2%	1.64,	-29%	0.10,		-1.6%
Road CO ₂	-8%	4.65,	1%	1.38,	-27%	0.09,		-0.4%
Aviation CO ₂	-40%	0.24,	-34%	0.07,	-52%	0.00,		14.3%
Waterbourne CO ₂	-6%	0.3,	3%	0.09,	-25%	0.01,		-23.1%

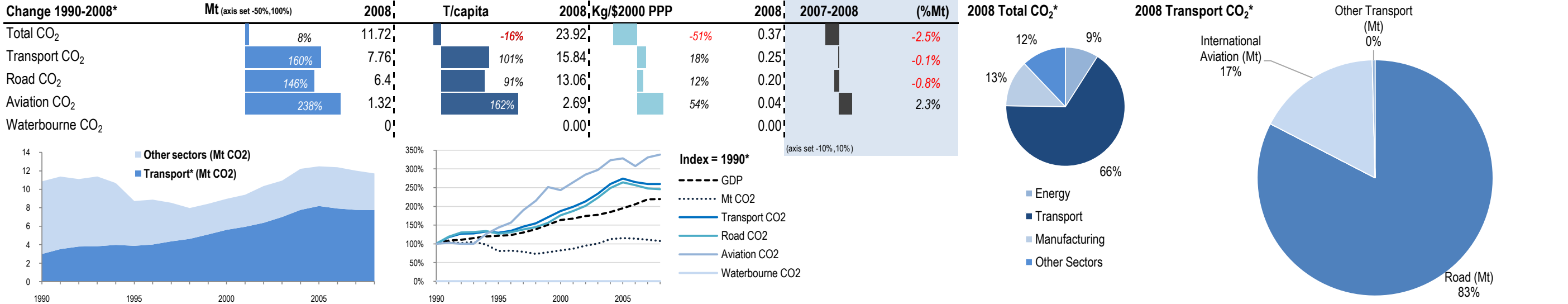


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	3.70	3.63	3.50	3.48	3.47	3.45	3.44	3.41	3.39	3.38	3.36	-9%	-0.53%	-0.59%
GDP PPP (billion 2000 US dollars)	42.92	24.89	30.55	32.61	34.85	38.42	41.24	44.46	47.95	52.23	53.81	25%	1.26%	3.03%
Road passenger km (million pkm)	6677	3334	2266	2331	18542	21976	28939	38060	42755	42289	40943	513%	10.60%	-3.18%
Road and Rail freight tkm (million tkm)	26594	12380	16687	16015	20476	22920	23916	28365	31031	34651	35167	32%	1.56%	1.49%
Road pkm/capita	1805	918	647	670	5344	6370	8413	11161	12612	12512	12185	575%	11.19%	-2.61%
Road and Rail freight tkm/\$ gdp	0.62	0.50	0.55	0.49	0.59	0.60	0.58	0.64	0.65	0.66	0.65	5%	0.30%	-1.49%
Passenger cars per 1000 inhabitants	133	198	335	326	340	364	383	426	468	470	..	..	7.71%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	33.81	14.73	11.57	12.43	12.52	12.54	13.17	14.13	14.26	15.03	14.75	-56%	-4.50%	-1.86%
... of which transport CO ₂ (Mt)*	6.17	3.49	3.41	3.72	3.87	3.92	4.3	4.65	4.93	5.59	5.5	-11%	-0.64%	-1.61%
Transport* as a percentage of total	18.2%	23.7%	29.5%	29.9%	30.9%	31.3%	32.6%	32.9%	34.6%	37.2%	37.3%			
Road (Mt)	5.08	2.66	2.77	3.05	3.15	3.19	3.52	3.74	3.98	4.67	4.65	-8%	-0.49%	-0.43%
Rail (Mt)	0.35	0.24	0.22	0.19	0.21	0.23	0.22	0.23	0.22	0.22	0.23	-34%	-2.31%	4.55%
Domestic Aviation (Mt)	0	0	0	0.01	0.01	0.01	0.02	0	0	0	0.01	..	..	..
International Aviation (Mt)	0.40	0.12	0.08	0.09	0.08	0.09	0.1	0.14	0.16	0.21	0.23	-43%	-3.03%	9.52%
Domestic Navigation (Mt)	0.02	0	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0%	0.00%	0.00%
International Shipping (Mt)	0.30	0.44	0.29	0.31	0.34	0.34	0.36	0.45	0.44	0.37	0.28	-7%	-0.38%	-24.32%
Other Transport (Mt)	0.02	0.02	0.03	0.06	0.06	0.06	0.06	0.08	0.1	0.1	0.1	400%	9.35%	0.00%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	50.45	22.50	19.77	20.95	21.36	21.63	22.46	23.58	24.34	26.05	24.86	-51%	-3.86%	-4.61%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	33.97	14.59	11.21	11.91	12.03	12.05	12.73	13.54	13.63	13.79	13.52	-60%	-4.99%	-1.96%
... of which transport GHG (Mt CO ₂ eq.)*	6.52	3.69	3.56	3.87	4.01	4.08	4.44	4.81	5.03	5.82	5.71	-12%	-0.73%	-1.83%
Road (Mt)	5.41	2.94	2.94	3.23	3.33	3.38	3.71	3.94	4.18	4.97	4.92	-9%	-0.52%	-0.93%
International Aviation (Mt)	0.42	0.13	0.08	0.10	0.09	0.10	0.11	0.14	0.16	0.20	0.24	-44%	-3.14%	15.83%
International Shipping (Mt)	0.31	0.46	0.30	0.32	0.36	0.35	0.37	0.47	0.45	0.39	0.29	-5%	-0.30%	-24.87%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Luxembourg

EU-27		N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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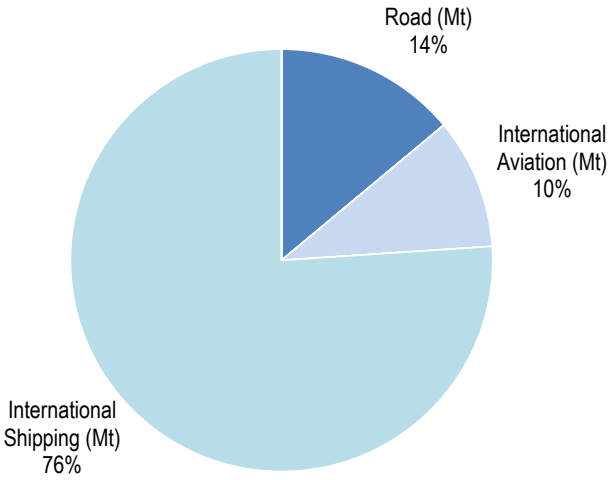
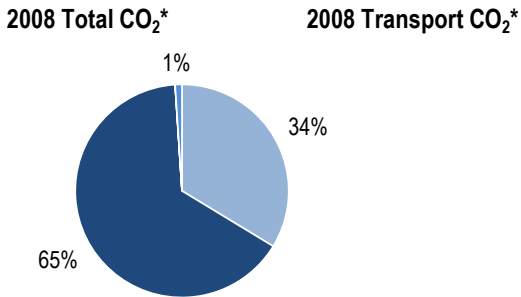
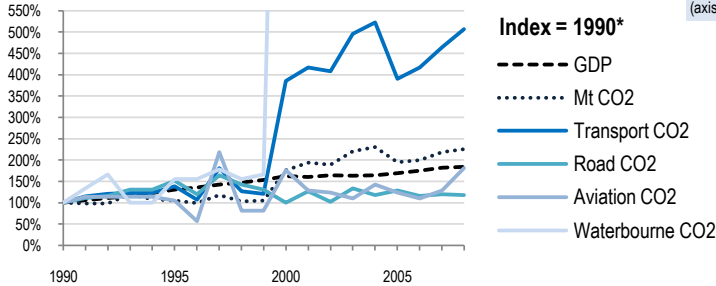
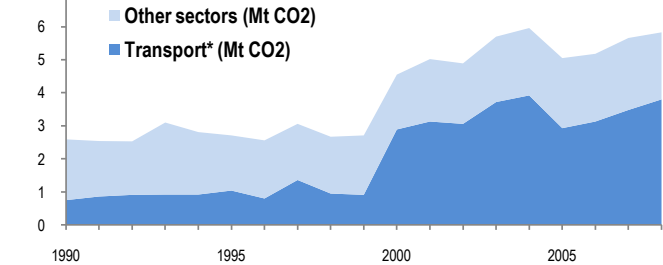
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	0.38	0.41	0.44	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.49	29%	1.42%	2.08%
GDP PPP (billion 2000 US dollars)	14.32	17.39	23.41	24.00	24.98	25.37	26.49	27.92	29.48	31.39	31.40	119%	4.46%	0.03%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	1092	1059	1081	1119	1204	1127	1139	925	1029	874	883	-19%	-1.17%	1.03%
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	0.08	0.06	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.03	-63%	-5.39%	1.00%
Passenger cars per 1000 inhabitants	480	559	602	621	633	638	647	..	..	441	..	..	-0.50%	..
CO ₂ Emissions														
IEA CO ₂ from fuel combustion (Mt)*	10.86	8.73	8.97	9.41	10.35	10.94	12.22	12.49	12.39	12.02	11.72	8%	0.42%	-2.50%
... of which transport CO ₂ (Mt)*	2.99	3.88	5.61	5.94	6.37	7	7.77	8.19	7.92	7.77	7.76	160%	5.44%	-0.13%
Transport* as a percentage of total	27.5%	44.4%	62.5%	63.1%	61.5%	64.0%	63.6%	65.6%	63.9%	64.6%	66.2%			
Road (Mt)	2.6	3.31	4.58	4.87	5.23	5.81	6.48	6.86	6.67	6.45	6.4	146%	5.13%	-0.78%
Rail (Mt)	0	0.01	0.02	0.01	0.01	0	0	0	0	0	0	..	..	..
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	0.39	0.56	0.95	1.03	1.11	1.16	1.26	1.28	1.2	1.29	1.32	238%	7.01%	2.33%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	0	0	0.05	0.03	0.02	0.02	0.03	0.03	0.04	0.03	0.03	..	-6.19%	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	13.52	10.94	10.87	11.25	12.41	12.90	14.49	14.58	14.42	14.11	13.84	2%	0.13%	-1.88%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	11.01	9.07	9.25	9.71	10.84	11.41	12.92	13.04	12.82	12.52	12.30	12%	0.62%	-1.73%
... of which transport GHG (Mt CO ₂ eq.)*	3.11	4.02	5.72	6.10	6.53	7.15	8.11	8.34	8.09	7.91	8.02	158%	5.41%	1.41%
Road (Mt)	2.68	3.43	4.73	5.02	5.37	5.94	6.81	7.02	6.86	6.59	6.65	148%	5.18%	0.94%
International Aviation (Mt)	0.40	0.57	0.97	1.05	1.13	1.18	1.29	1.31	1.23	1.32	1.35	238%	7.00%	2.36%
International Shipping (Mt)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68%	2.92%	-8.38%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Malta

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	125%	5.83	98%	14.22	22%	0.74		3.0%
Transport CO ₂	407%	3.8	345%	9.27	175%	0.48		9.2%
Road CO ₂	18%	0.53	3%	1.29	-36%	0.07		-1.9%
Aviation CO ₂	81%	0.38	59%	0.93	-2%	0.05		40.7%
Waterbourne CO ₂	3111%	2.89	2720%	7.05	1641%	0.37		8.2%



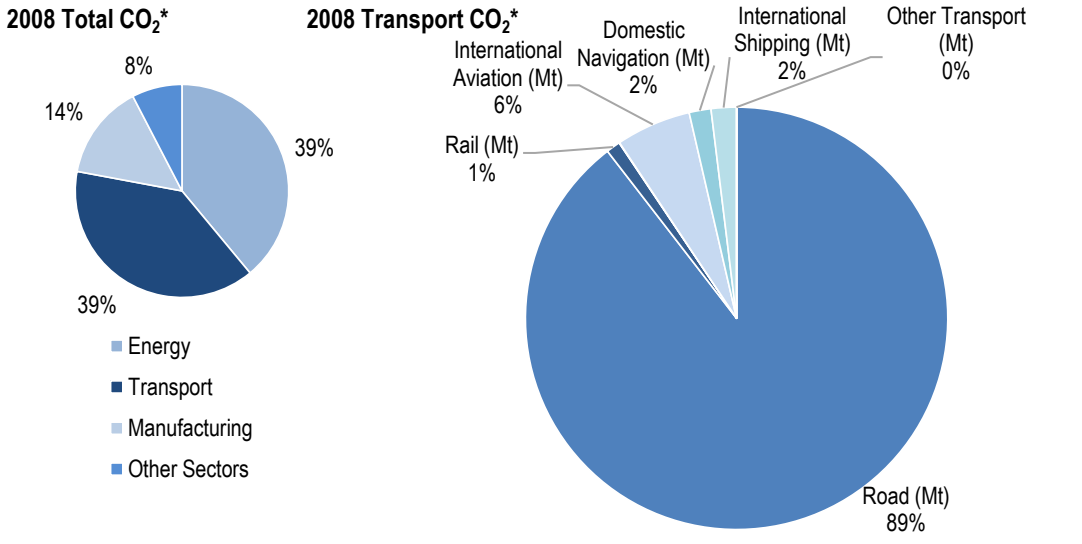
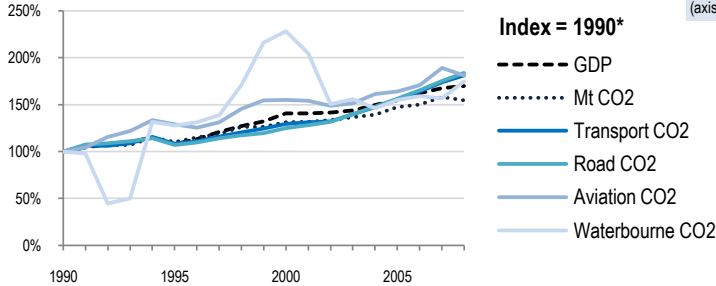
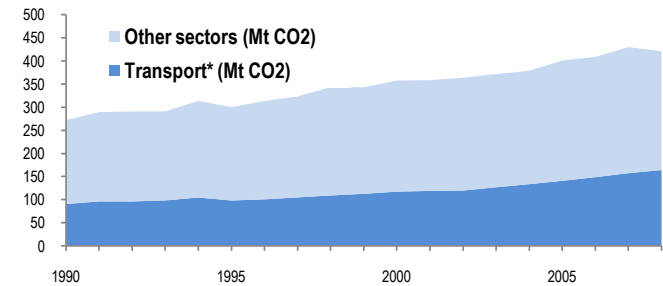
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	0.36	0.38	0.39	0.39	0.40	0.40	0.40	0.40	0.41	0.41	0.41	14%	0.73%	0.00%
GDP PPP (billion 2000 US dollars)	4.25	5.54	6.91	6.80	6.98	6.96	6.97	7.20	7.44	7.72	7.84	84%	3.46%	1.55%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Passenger cars per 1000 inhabitants	..	390	485	491	505	520	523	..	..	498	..	..	2.06%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	2.59	2.71	4.55	5.02	4.89	5.7	5.96	5.05	5.18	5.66	5.83	125%	4.61%	3.00%
... of which transport CO2 (Mt)*	0.75	1.04	2.89	3.13	3.06	3.72	3.92	2.93	3.13	3.48	3.8	407%	9.43%	9.20%
Transport* as a percentage of total	29.0%	38.4%	63.5%	62.4%	62.6%	65.3%	65.8%	58.0%	60.4%	61.5%	65.2%			
Road (Mt)	0.45	0.68	0.45	0.57	0.46	0.6	0.53	0.58	0.52	0.54	0.53	18%	0.91%	-1.85%
Rail (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	0.21	0.22	0.37	0.27	0.26	0.23	0.3	0.26	0.23	0.27	0.38	81%	3.35%	40.74%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	0.09	0.14	2.07	2.29	2.34	2.89	3.09	2.09	2.38	2.67	2.89	3111%	21.26%	8.24%
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Mexico

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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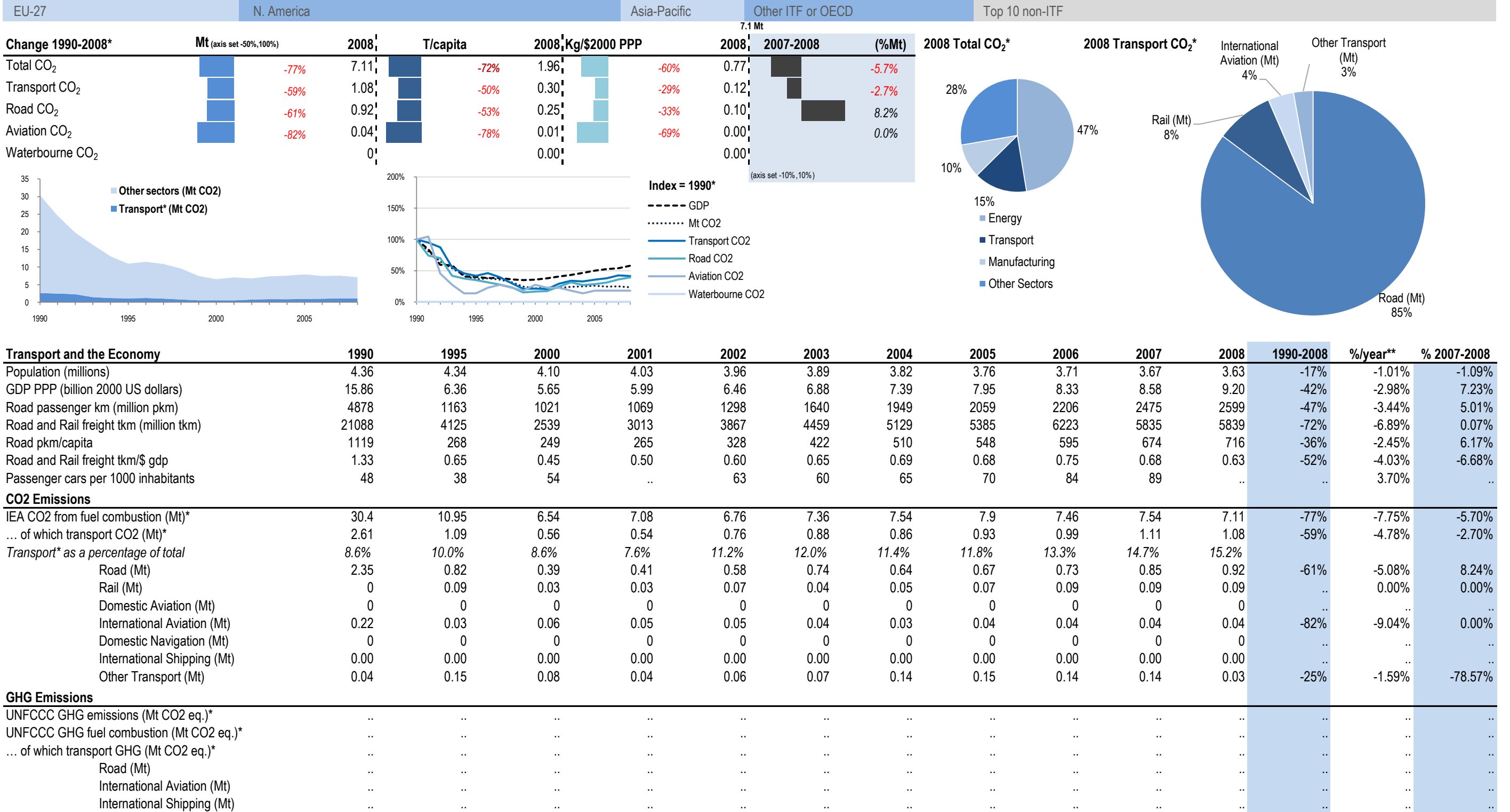
Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	55%	420.9	18%	3.95	-9%	0.35	-2.1%
Transport CO ₂	81%	163.97	38%	1.54	6%	0.14	4.2%
Road CO ₂	84%	146.8	40%	1.38	8%	0.12	4.7%
Aviation CO ₂	81%	9.48	38%	0.09	7%	0.01	-4.2%
Waterbourne CO ₂	75%	5.92	33%	0.06	3%	0.00	11.3%



Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	81.25	91.12	98.26	99.56	100.76	101.87	102.87	103.83	104.75	105.68	106.57	31%	1.52%	0.84%
GDP PPP (billion 2000 US dollars)	701.59	756.89	987.11	986.79	994.40	1008.23	1048.68	1083.10	1137.65	1176.70	1192.56	70%	2.99%	1.35%
Road passenger km (million pkm)	271512	383097	381700	389329	393200	399000	410000	422915	436999	449917	463865	71%	3.02%	3.10%
Road and Rail freight tkm (million tkm)	145301	200440	242386	238516	244516	249332	254187	276402	283118	299560	301872	108%	4.15%	0.77%
Road pkm/capita	3342	4204	3885	3910	3902	3917	3986	4073	4172	4257	4353	30%	1.48%	2.24%
Road and Rail freight tkm/\$ gdp	0.21	0.26	0.25	0.24	0.25	0.25	0.24	0.26	0.25	0.25	0.25	22%	1.12%	-0.57%
Passenger cars per 1000 inhabitants	82	94	107	..	128	137	131	137	147	167	..	..	4.27%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	272.12	300.24	357.65	358.47	363.76	371.64	378.8	400.97	408.56	430.11	420.9	55%	2.45%	-2.14%
... of which transport CO2 (Mt)*	90.59	98.25	117.37	118.97	119.74	126.74	133.6	140.83	148.66	157.33	163.97	81%	3.35%	4.22%
Transport* as a percentage of total	33.3%	32.7%	32.8%	33.2%	32.9%	34.1%	35.3%	35.1%	36.4%	36.6%	39.0%			
Road (Mt)	79.97	85.5	99.83	102.33	105.18	111.83	118.39	125.12	132.34	140.22	146.8	84%	3.43%	4.69%
Rail (Mt)	2	1.69	1.71	1.61	1.66	1.7	1.83	1.87	1.99	1.88	1.77	-12%	-0.68%	-5.85%
Domestic Aviation (Mt)	0	0	0.06	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	..	0.00%	0.00%
International Aviation (Mt)	5.23	6.75	8.05	8.02	7.74	7.88	8.38	8.52	8.88	9.84	9.42	80%	3.32%	-4.27%
Domestic Navigation (Mt)	1.36	1.77	3.9	3.27	2.38	2.48	2.35	2.56	2.6	2.63	2.74	101%	3.97%	4.18%
International Shipping (Mt)	2.03	2.55	3.83	3.68	2.73	2.80	2.60	2.70	2.79	2.69	3.18	57%	2.52%	18.22%
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Republic of Moldova

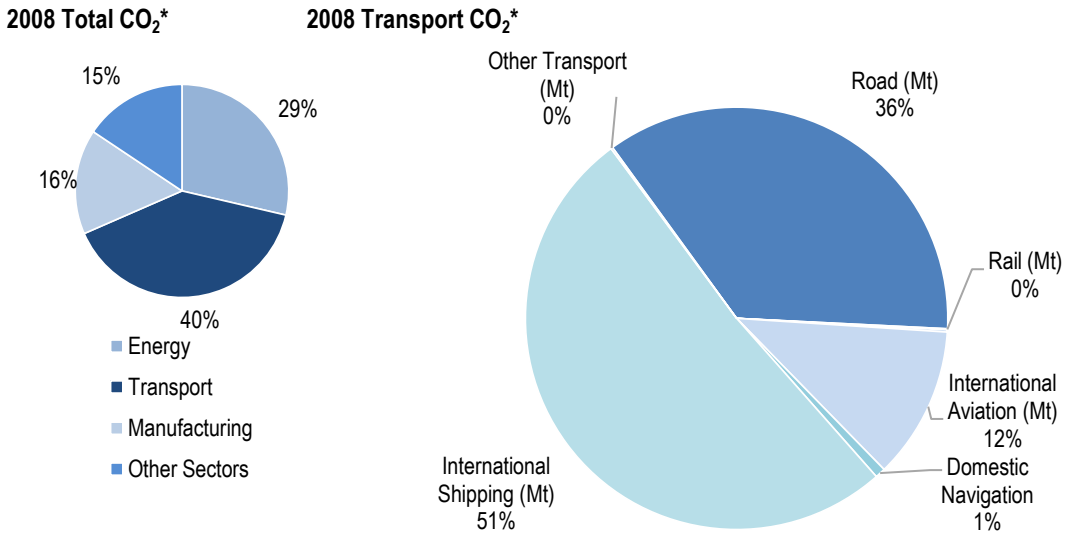
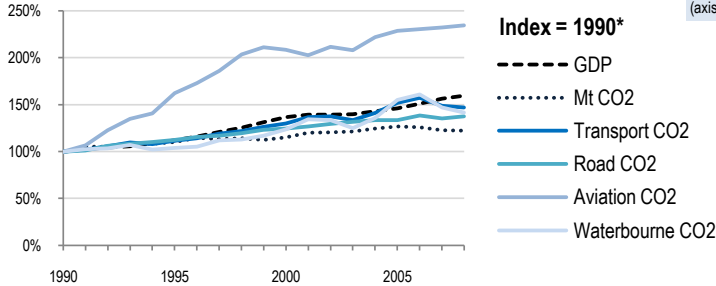
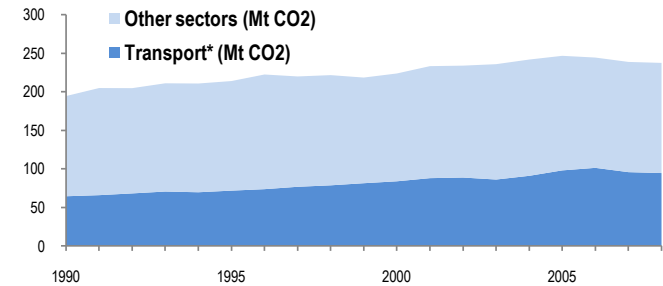


* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Netherlands



Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,	Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	22%	237.46,	11%	14.44,	-23%	0.43,		-0.5%
Transport CO ₂	47%	94.56,	33%	5.75,	-8%	0.17,		-1.2%
Road CO ₂	37%	33.84,	25%	2.06,	-14%	0.06,		1.5%
Aviation CO ₂	135%	11.17,	113%	0.68,	47%	0.02,		1.1%
Waterbourne CO ₂	42%	49.33,	29%	3.00,	-11%	0.09,		-3.5%



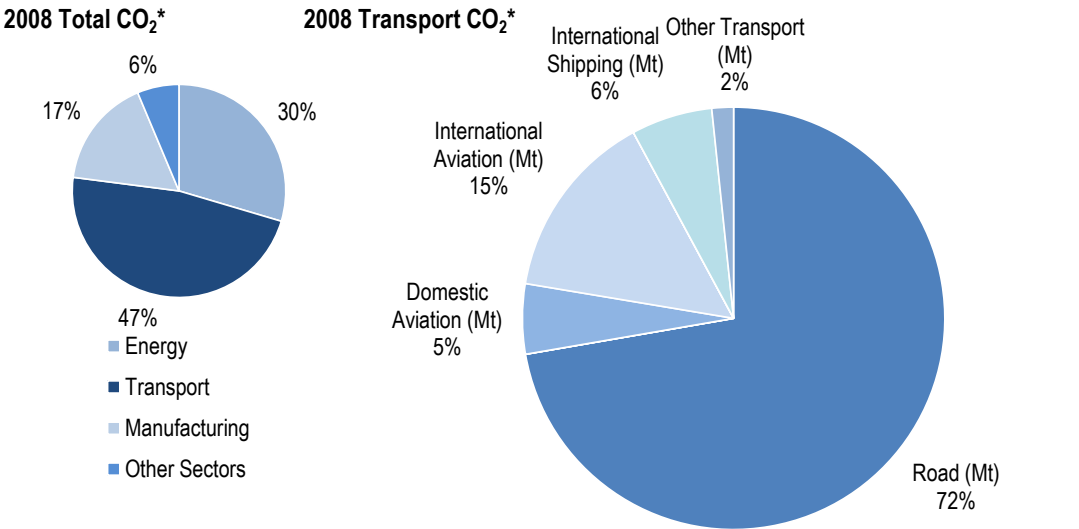
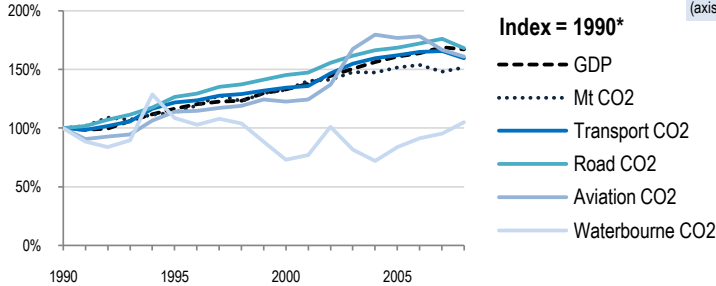
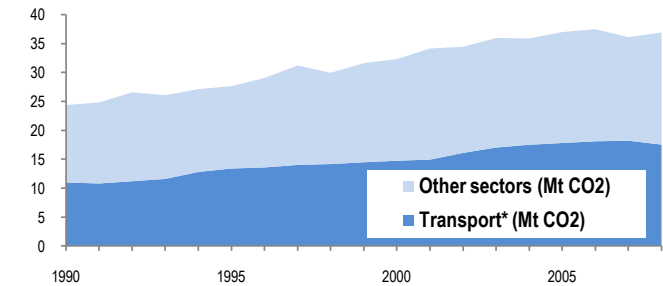
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	14.95	15.46	15.92	16.04	16.15	16.22	16.28	16.32	16.34	16.38	16.44	10%	0.53%	0.37%
GDP PPP (billion 2000 US dollars)	342.86	384.02	468.25	477.27	477.63	479.24	489.96	499.98	516.95	535.63	546.32	59%	2.62%	2.00%
Road passenger km (million pkm)	150400	145600	156553	157083	159627	161700	167549	164834	163630	164905	163236	9%	0.46%	-1.01%
Road and Rail freight tkm (million tkm)	25961	30103	36082	35324	34411	37162	40177	39868	39706	40083	41328	59%	2.62%	3.11%
Road pkm/capita	10060	9418	9834	9793	9884	9969	10292	10100	10014	10067	9929	-1%	-0.07%	-1.37%
Road and Rail freight tkm/\$ gdp	0.08	0.08	0.08	0.07	0.07	0.08	0.08	0.08	0.08	0.07	0.08	0%	-0.01%	1.09%
Passenger cars per 1000 inhabitants	368	361	383	..	424	..	429	..	..	441	..	..	1.07%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	194.43	213.91	223.72	233.24	233.92	235.81	241.78	246.64	244.39	238.73	237.46	22%	1.12%	-0.53%
... of which transport CO2 (Mt)*	64.45	71.76	83.85	87.93	88.74	86.15	90.95	98.01	101.29	95.73	94.56	47%	2.15%	-1.22%
Transport* as a percentage of total	33.1%	33.5%	37.5%	37.7%	37.9%	36.5%	37.6%	39.7%	41.4%	40.1%	39.8%			
Road (Mt)	24.64	27.69	30.71	31.21	31.88	32.45	32.86	32.94	34.06	33.33	33.84	37%	1.78%	1.53%
Rail (Mt)	0.12	0.13	0.13	0.13	0.13	0.12	0.14	0.1	0.09	0.09	0.09	-25%	-1.59%	0.00%
Domestic Aviation (Mt)	0.47	0.33	0.27	0.19	0.21	0.19	0.18	0.22	0.16	0.18	0.15	-68%	-6.15%	-16.67%
International Aviation (Mt)	4.29	7.38	9.65	9.45	9.86	9.7	10.38	10.67	10.81	10.87	11.02	157%	5.38%	1.38%
Domestic Navigation (Mt)	0.53	0.52	1	0.97	0.92	0.86	0.87	0.63	0.82	0.73	0.75	42%	1.95%	2.74%
International Shipping (Mt)	34.29	35.59	41.98	45.88	45.62	42.72	46.39	53.31	55.26	50.40	48.58	42%	1.95%	-3.61%
Other Transport (Mt)	0.1	0.11	0.1	0.11	0.12	0.11	0.12	0.15	0.1	0.12	0.13	30%	1.47%	8.33%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	251.02	267.66	267.16	272.68	272.15	270.13	275.97	277.58	276.08	269.38	267.14	6%	0.35%	-0.83%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	190.20	206.25	215.78	225.99	225.51	226.07	231.79	234.09	233.04	227.89	230.12	21%	1.06%	0.98%
... of which transport GHG (Mt CO2 eq.)*	65.45	72.87	85.54	90.15	90.73	88.10	92.93	100.39	103.45	98.18	96.21	47%	2.16%	-2.00%
Road (Mt)	25.90	29.19	32.19	32.70	33.38	33.95	34.35	34.40	35.30	34.94	35.21	36%	1.72%	0.77%
International Aviation (Mt)	4.56	7.61	9.78	9.57	10.02	9.85	10.53	10.91	11.01	11.14	11.18	145%	5.11%	0.35%
International Shipping (Mt)	34.46	35.50	42.81	47.13	46.56	43.43	47.23	54.30	56.39	51.33	49.05	42%	1.98%	-4.44%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

New Zealand

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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Change 1990-2008*	Mt (axis set -50%,100%)		2008,	T/capita		2008,	Kg/\$2000 PPP		2008,	2007-2008	(%Mt)
Total CO ₂		52%	36.93		23%	8.57		-9%	0.37		2.3%
Transport CO ₂		60%	17.53		29%	4.07		-5%	0.17		-3.7%
Road CO ₂		68%	12.67		36%	2.94		0%	0.13		-4.5%
Aviation CO ₂		61%	3.48		30%	0.81		-4%	0.03		-3.3%
Waterbourne CO ₂		5%	1.09		-15%	0.25		-37%	0.01		10.1%

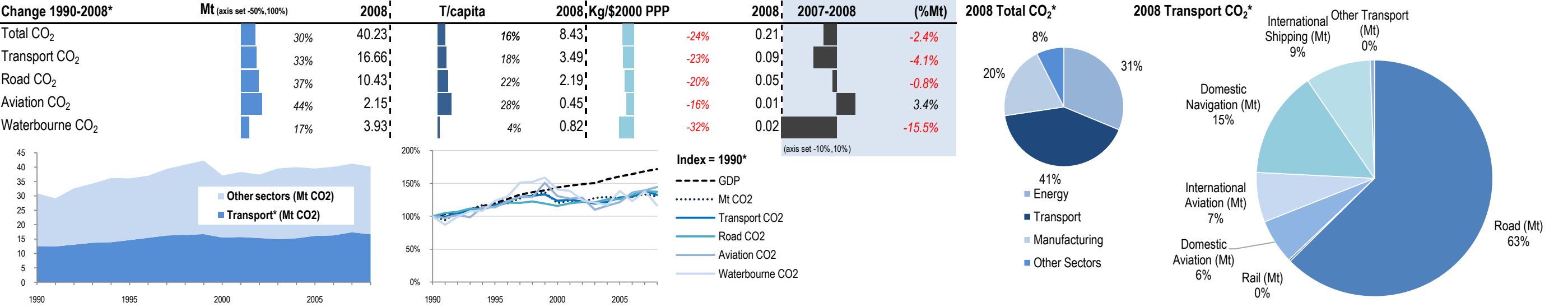


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	3.49	3.72	3.88	3.94	4.01	4.08	4.13	4.18	4.22	4.26	4.31	23%	1.18%	1.17%
GDP PPP (billion 2000 US dollars)	60.40	70.38	80.28	83.18	87.27	91.02	94.45	97.25	99.04	102.09	100.99	67%	2.90%	-1.08%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	11205	18423	19166	19976	20950	22048	22231	22363	23086	23391	..	5.82%	1.32%
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	0.16	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	..	2.93%	2.42%
Passenger cars per 1000 inhabitants	436	451	576	..	613	574	591	607	609	615	..	..	2.04%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	24.37	27.63	32.32	34.15	34.45	35.97	35.9	36.99	37.5	36.1	36.93	52%	2.34%	2.30%
... of which transport CO2 (Mt)*	10.98	13.39	14.74	14.93	16.09	17.02	17.5	17.8	18.1	18.2	17.53	60%	2.63%	-3.68%
Transport* as a percentage of total	45.1%	48.5%	45.6%	43.7%	46.7%	47.3%	48.7%	48.1%	48.3%	50.4%	47.5%			
Road (Mt)	7.54	9.53	10.96	11.11	11.72	12.18	12.54	12.71	12.99	13.27	12.67	68%	2.93%	-4.52%
Rail (Mt)	0	0.01	0	0	0	0	0	0	0	0	0	..	..	..
Domestic Aviation (Mt)	0.81	0.88	0.91	0.89	1.09	1.22	1.26	1.17	1.2	0.98	0.94	16%	0.83%	-4.08%
International Aviation (Mt)	1.35	1.58	1.74	1.8	1.87	2.4	2.62	2.65	2.65	2.62	2.54	88%	3.57%	-3.05%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	1.04	1.13	0.76	0.80	1.05	0.85	0.75	0.87	0.95	0.99	1.09	5%	0.26%	10.10%
Other Transport (Mt)	0.24	0.26	0.37	0.33	0.36	0.37	0.33	0.39	0.32	0.35	0.29	21%	1.06%	-17.14%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	63.17	65.28	72.10	74.87	75.65	78.77	78.15	80.38	80.65	78.34	78.31	24%	1.20%	-0.04%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	24.26	25.27	30.00	31.99	32.58	34.68	34.08	35.73	35.93	34.56	35.43	46%	2.13%	2.52%
... of which transport GHG (Mt CO2 eq.)*	11.14	13.78	14.99	15.48	16.37	17.34	17.80	18.20	18.44	18.52	17.93	61%	2.68%	-3.21%
Road (Mt)	7.63	9.70	11.01	11.20	11.85	12.33	12.70	12.88	13.16	13.45	12.86	68%	2.94%	-4.35%
International Aviation (Mt)	1.35	1.59	1.75	1.82	1.88	2.42	2.64	2.65	2.67	2.64	2.56	89%	3.61%	-3.03%
International Shipping (Mt)	1.04	1.15	0.75	0.82	1.06	0.86	0.73	0.99	0.99	0.99	1.10	5%	0.27%	11.07%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Norway

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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GREENHOUSE GAS EMISSIONS: COUNTRY DATA 2010 – © ITF/OECD 2010

45

40

35

30

25

20

15

10

5

0

Other sectors (Mt CO₂)

Transport* (Mt CO₂)

1990

1995

2000

2005

200%

150%

100%

50%

0%

Index = 1990*

--- GDP

..... Mt CO₂

— Transport CO₂

— Road CO₂

— Aviation CO₂

— Waterbourne CO₂

1990

1995

2000

2005

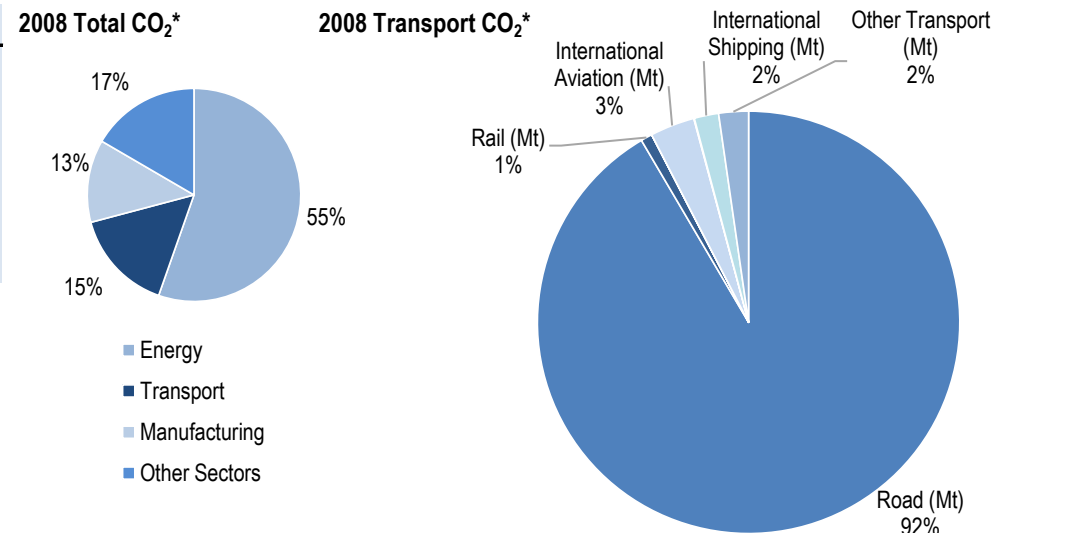
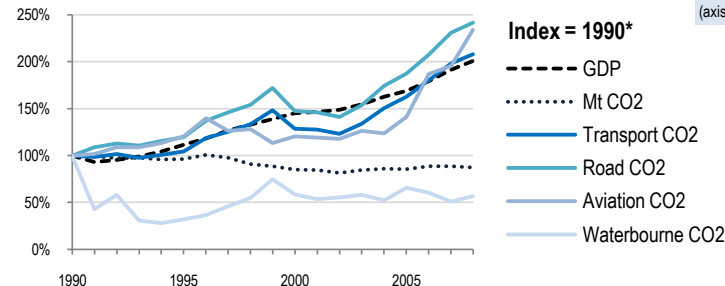
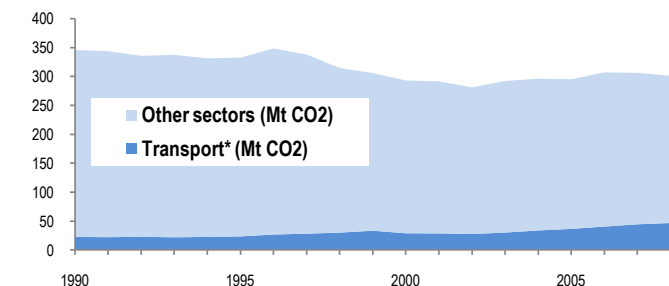
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	4.24	4.36	4.49	4.51	4.54	4.57	4.59	4.62	4.66	4.71	4.77	13%	0.66%	1.27%
GDP PPP (billion 2000 US dollars)	112.78	135.42	162.26	165.49	167.98	169.68	176.24	181.06	185.19	190.25	193.70	72%	3.05%	1.81%
Road passenger km (million pkm)	47327	48482	53091	54162	55517	56344	56645	57327	57661	59207	58650	24%	1.20%	-0.94%
Road and Rail freight tkm (million tkm)	9864	11301	14792	14284	15333	15743	16668	17136	18067	18329	18630	89%	3.60%	1.64%
Road pkm/capita	11162	11120	11824	12009	12228	12329	12341	12408	12374	12570	12296	10%	0.54%	-2.19%
Road and Rail freight tkm/\$ gdp	0.09	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	10%	0.53%	-0.17%
Passenger cars per 1000 inhabitants	380	386	412	415	419	422	431	439	..	458	..	..	1.10%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	30.92	36.09	37.15	38.32	37.43	39.54	39.99	39.52	40.14	41.21	40.23	30%	1.47%	-2.38%
... of which transport CO ₂ (Mt)*	12.56	14.68	15.54	15.72	15.38	14.97	15.3	16.14	16.3	17.38	16.66	33%	1.58%	-4.14%
Transport* as a percentage of total	40.6%	40.7%	41.8%	41.0%	41.1%	37.9%	38.3%	40.8%	40.6%	42.2%	41.4%			
Road (Mt)	7.6	8.73	8.79	9.11	9.25	9.2	9.55	9.6	10.07	10.51	10.43	37%	1.77%	-0.76%
Rail (Mt)	0.1	0.1	0.05	0.05	0.03	0.04	0.05	0.04	0.04	0.04	0.04	-60%	-4.96%	0.00%
Domestic Aviation (Mt)	0.25	0.6	0.9	0.82	0.73	0.92	0.91	0.77	0.83	0.96	1.02	308%	8.12%	6.25%
International Aviation (Mt)	1.24	1.09	1.05	1.07	1.18	0.72	0.82	1.04	1.2	1.12	1.13	-9%	-0.51%	0.89%
Domestic Navigation (Mt)	1.98	1.98	2.19	2.15	2.12	2.33	2.36	2.51	2.58	2.6	2.44	23%	1.17%	-6.15%
International Shipping (Mt)	1.39	2.19	2.56	2.52	2.07	1.74	1.60	2.16	1.56	2.05	1.49	7%	0.39%	-27.32%
Other Transport (Mt)	0	0	0	0	0	0.01	0.02	0.02	0.02	0.09	0.1	..	..	11.11%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	51.86	52.57	56.85	57.96	56.08	56.85	57.49	56.94	56.88	58.41	56.99	10%	0.53%	-2.43%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	28.64	31.89	34.67	36.70	36.24	37.56	37.69	37.73	38.85	39.04	38.53	35%	1.66%	-1.30%
... of which transport GHG (Mt CO ₂ eq.)*	13.43	15.22	16.89	17.07	16.33	16.63	17.11	17.73	18.53	19.05	18.59	38%	1.82%	-2.42%
Road (Mt)	7.74	8.23	8.54	9.06	9.15	9.30	9.62	9.79	10.08	10.30	10.16	31%	1.52%	-1.37%
International Aviation (Mt)	0.63	0.59	0.92	0.84	0.75	0.76	0.86	1.09	1.26	1.17	1.18	89%	3.61%	1.24%
International Shipping (Mt)	1.49	2.28	2.63	2.62	2.09	2.08	1.99	2.28	2.29	2.10	2.10	41%	1.92%	0.23%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Poland



Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	-13%	301.15	-13%	7.90	-57%	0.54	-1.7%	
Transport CO ₂	108%	46.62	108%	1.22	4%	0.08	5.1%	
Road CO ₂	142%	42.67	141%	1.12	20%	0.08	4.7%	
Aviation CO ₂	134%	1.59	133%	0.04	16%	0.00	19.5%	
Waterbourne CO ₂	-43%	0.89	-43%	0.02	-72%	0.00	11.3%	



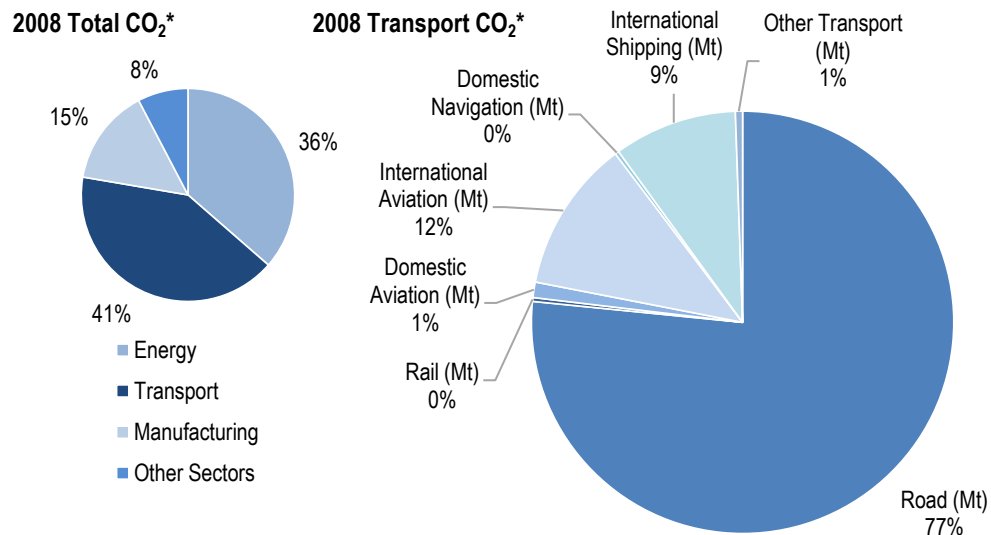
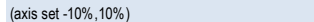
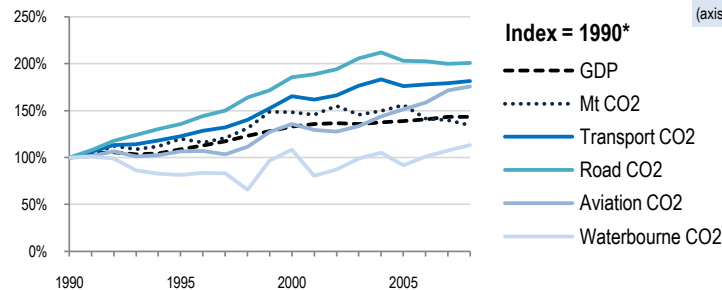
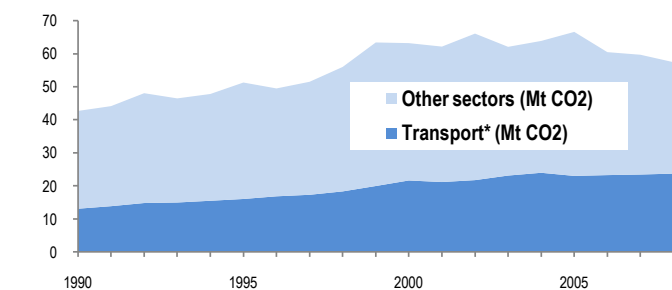
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	38.03	38.28	38.26	38.25	38.23	38.20	38.18	38.16	38.13	38.12	38.12	0%	0.01%	0.00%
GDP PPP (billion 2000 US dollars)	278.94	310.63	404.30	409.17	415.08	431.13	454.18	470.60	499.91	533.83	560.54	101%	3.95%	5.00%
Road passenger km (million pkm)	114400	144724	181435	188696	196695	202396	211618	226614	247388	266619	300294	162%	5.51%	12.63%
Road and Rail freight tkm (million tkm)	123823	119406	129038	124884	128065	135562	162797	169712	190113	213780	226266	83%	3.41%	5.84%
Road pkm/capita	3008	3781	4742	4933	5145	5298	5543	5939	6488	6994	7878	162%	5.49%	12.63%
Road and Rail freight tkm/\$ gdp	0.44	0.38	0.32	0.31	0.31	0.31	0.36	0.36	0.38	0.40	0.40	-9%	-0.53%	0.80%
Passenger cars per 1000 inhabitants	138	195	259	..	288	294	314	323	351	383	..	..	6.19%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	345.74	332.62	293.16	291.67	281.23	292.33	296.21	295.42	307.04	306.33	301.15	-13%	-0.76%	-1.69%
... of which transport CO ₂ (Mt)*	22.41	23.39	28.79	28.58	27.56	30.05	33.71	36.41	40.39	44.35	46.62	108%	4.15%	5.12%
Transport* as a percentage of total	6.5%	7.0%	9.8%	9.8%	9.8%	10.3%	11.4%	12.3%	13.2%	14.5%	15.5%			
Road (Mt)	17.66	21.15	26.01	25.81	24.92	27.17	30.82	33.08	36.66	40.75	42.67	142%	5.02%	4.71%
Rail (Mt)	2.43	0.86	0.52	0.5	0.48	0.5	0.5	0.49	0.45	0.47	0.41	-83%	-9.41%	-12.77%
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	0.68	0.82	0.82	0.81	0.8	0.86	0.84	0.96	1.27	1.33	1.59	134%	4.83%	19.55%
Domestic Navigation (Mt)	0.33	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-94%	-14.42%	0.00%
International Shipping (Mt)	1.24	0.44	0.90	0.82	0.85	0.89	0.80	1.01	0.93	0.78	0.87	-30%	-1.95%	11.54%
Other Transport (Mt)	0.06	0.06	0.52	0.63	0.5	0.6	0.73	0.85	1.06	1	1.06	1667%	17.30%	6.00%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	455.26	441.98	392.21	388.70	375.74	387.47	388.30	391.94	405.21	401.98	397.98	-13%	-0.74%	-1.00%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	354.34	354.53	308.64	307.96	297.44	306.49	306.07	304.16	314.09	308.72	305.14	-14%	-0.83%	-1.16%
... of which transport GHG (Mt CO ₂ eq.)*	27.33	30.68	34.72	33.78	33.73	34.34	36.27	38.42	40.90	40.90	45.11	65%	2.82%	10.31%
Road (Mt)	21.61	26.81	31.17	30.39	30.13	30.90	32.90	34.64	36.73	36.80	40.63	88%	3.57%	10.40%
International Aviation (Mt)	0.58	1.09	1.09	1.02	1.25	0.84	0.83	0.94	1.25	1.31	1.57	172%	5.71%	20.14%
International Shipping (Mt)	1.37	0.61	0.92	0.84	0.87	0.91	0.81	1.03	0.95	0.80	0.85	-38%	-2.60%	6.28%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Portugal



Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,	Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	35%	57.44	27%	5.41	-6%	0.30		-3.8%
Transport CO ₂	81%	23.71	71%	2.23	26%	0.13		1.2%
Road CO ₂	101%	18.15	89%	1.71	40%	0.10		0.4%
Aviation CO ₂	76%	3.04	65%	0.29	23%	0.02		2.4%
Waterbourne CO ₂	13%	2.31	7%	0.22	-21%	0.01		5.5%



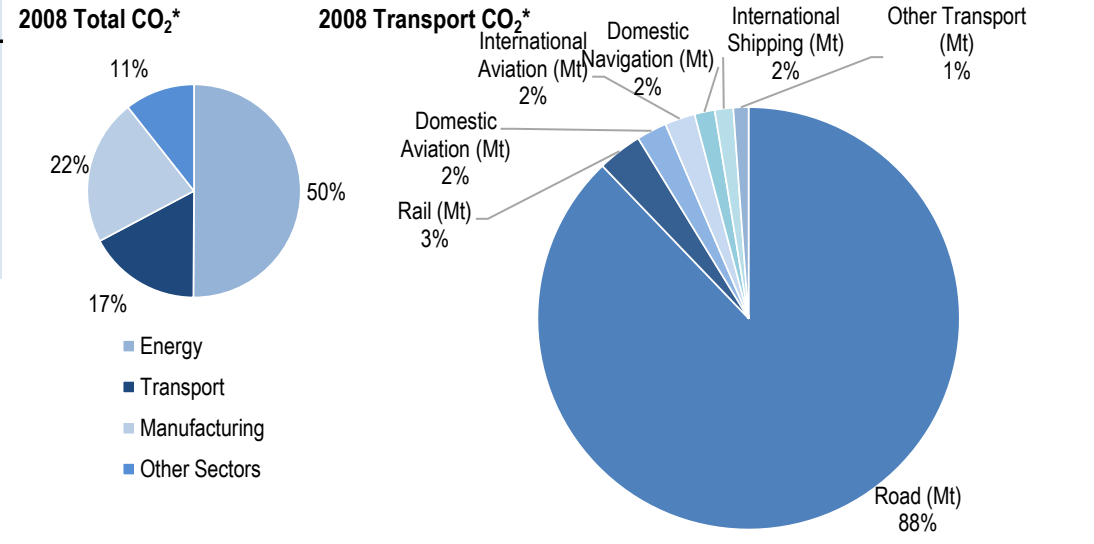
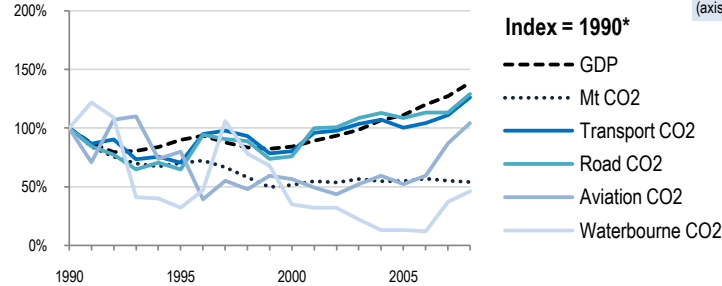
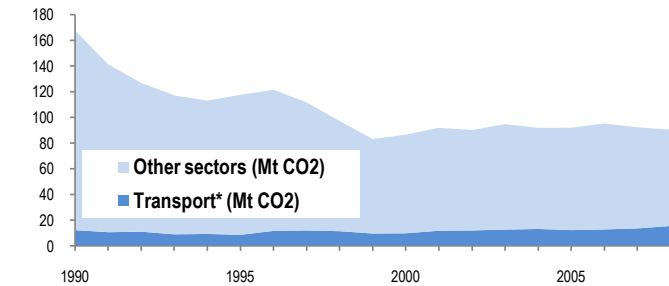
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	10.00	10.03	10.23	10.29	10.37	10.44	10.50	10.55	10.58	10.61	10.62	6%	0.33%	0.09%
GDP PPP (billion 2000 US dollars)	131.46	143.05	174.75	178.27	179.62	178.18	180.88	182.52	185.02	188.48	188.42	43%	2.02%	-0.03%
Road passenger km (million pkm)	50800	74490	94204	95009	95580	96541	97809	97518	97202	97722	96756	90%	3.64%	-0.99%
Road and Rail freight tkm (million tkm)	12510	13138	17135	19312	17833	16713	19727	19847	20120	20960	19317	54%	2.44%	-7.84%
Road pkm/capita	5080	7427	9209	9233	9217	9247	9315	9243	9187	9210	9111	79%	3.30%	-1.08%
Road and Rail freight tkm/\$ gdp	0.10	0.09	0.10	0.11	0.10	0.09	0.11	0.11	0.11	0.11	0.10	8%	0.41%	-7.81%
Passenger cars per 1000 inhabitants	162	258	412	429	..	471	..	..	..	..	..	..	8.56%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	42.68	51.28	63.21	62.16	66.09	62.09	63.87	66.61	60.48	59.69	57.44	35%	1.66%	-3.77%
... of which transport CO2 (Mt)*	13.08	16.03	21.63	21.16	21.74	23.12	23.96	23.01	23.26	23.43	23.71	81%	3.36%	1.20%
Transport* as a percentage of total	30.6%	31.3%	34.2%	34.0%	32.9%	37.2%	37.5%	34.5%	38.5%	39.3%	41.3%			
Road (Mt)	9.04	12.25	16.79	17.05	17.56	18.61	19.15	18.35	18.3	18.07	18.15	101%	3.95%	0.44%
Rail (Mt)	0.17	0.17	0.17	0.13	0.11	0.09	0.08	0.08	0.07	0.07	0.07	-59%	-4.81%	0.00%
Domestic Aviation (Mt)	0.24	0.35	0.66	0.5	0.44	0.44	0.44	0.49	0.46	0.36	0.28	17%	0.86%	-22.22%
International Aviation (Mt)	1.49	1.49	1.69	1.74	1.77	1.87	2.05	2.13	2.28	2.61	2.76	85%	3.48%	5.75%
Domestic Navigation (Mt)	0.13	0.14	0.13	0.15	0.27	0.2	0.08	0.05	0.06	0.09	0.07	-46%	-3.38%	-22.22%
International Shipping (Mt)	1.91	1.52	2.08	1.49	1.51	1.82	2.07	1.82	2.00	2.10	2.24	17%	0.89%	6.67%
Other Transport (Mt)	0.1	0.1	0.1	0.1	0.08	0.08	0.09	0.08	0.08	0.14	0.13	30%	1.47%	-7.14%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	62.15	72.71	84.95	85.86	90.38	85.81	88.60	90.43	86.21	84.17	82.96	33%	1.62%	-1.44%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	42.96	51.03	62.36	62.65	66.44	62.23	64.46	66.77	62.74	60.27	58.73	37%	1.75%	-2.55%
... of which transport GHG (Mt CO2 eq.)*	12.98	16.06	22.83	22.58	23.03	23.39	23.76	23.48	23.97	23.89	23.87	84%	3.44%	-0.07%
Road (Mt)	9.43	12.69	18.51	18.83	19.28	19.20	19.13	18.97	19.20	18.90	18.63	98%	3.86%	-1.47%
International Aviation (Mt)	1.47	1.62	1.98	1.93	1.84	2.02	2.17	2.26	2.39	2.52	2.61	78%	3.26%	3.61%
International Shipping (Mt)	1.39	1.11	1.66	1.16	1.22	1.51	1.77	1.55	1.69	1.78	1.97	41%	1.93%	10.78%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Romania



Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	-46%	90.51	-42%	4.21	-61%	0.42		-2.0%
Transport CO ₂	26%	15.51	36%	0.72	-9%	0.07		13.6%
Road CO ₂	29%	13.64	39%	0.63	-7%	0.06		13.9%
Aviation CO ₂	4%	0.72	13%	0.03	-25%	0.00		20.0%
Waterbourne CO ₂	-54%	0.46	-50%	0.02	-67%	0.00		24.3%

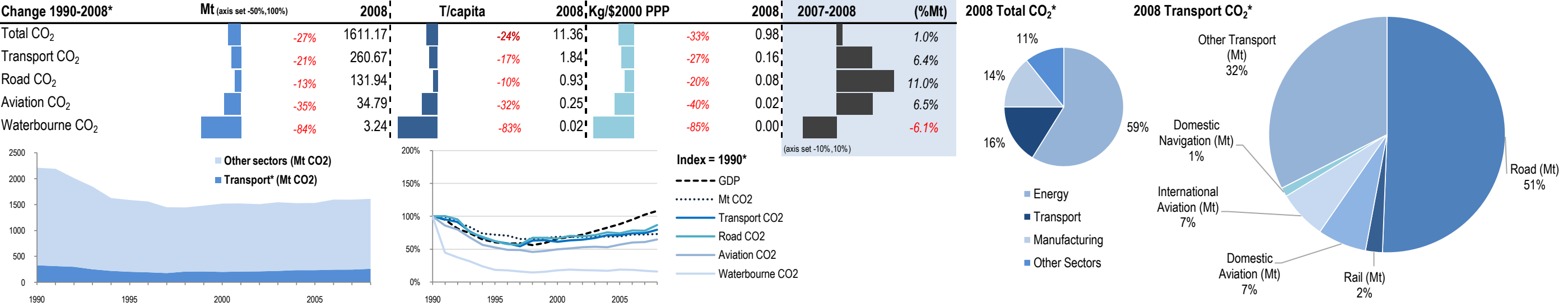


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	23.21	22.68	22.44	22.13	21.80	21.74	21.69	21.63	21.59	21.55	21.51	-7%	-0.42%	-0.19%
GDP PPP (billion 2000 US dollars)	157.05	141.03	132.28	139.82	146.95	154.59	167.58	174.57	188.36	199.67	218.09	39%	1.84%	9.23%
Road passenger km (million pkm)	24007	12343	7700	7073	6987	9455	9438	11812	11735	12156	13881	-42%	-3.00%	14.19%
Road and Rail freight tkm (million tkm)	62461	31365	27861	28605	28473	30579	33077	35981	38507	39684	38419	-38%	-2.66%	-3.19%
Road pkm/capita	1034	544	343	320	321	435	435	546	544	564	645	-38%	-2.59%	14.40%
Road and Rail freight tkm/\$ gdp	0.40	0.22	0.21	0.20	0.19	0.20	0.20	0.21	0.20	0.20	0.18	-56%	-4.42%	-11.36%
Passenger cars per 1000 inhabitants	..	..	..	..	..	142	149	156	..	..	..	..	..	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	167.77	117.61	86.64	91.95	90.26	94.79	91.93	92.03	95.26	92.36	90.51	-46%	-3.37%	-2.00%
... of which transport CO ₂ (Mt)*	12.3	8.66	9.85	11.81	12.04	12.73	13.19	12.32	12.84	13.65	15.51	26%	1.30%	13.63%
Transport* as a percentage of total	7.3%	7.4%	11.4%	12.8%	13.3%	13.4%	14.3%	13.4%	13.5%	14.8%	17.1%			
Road (Mt)	10.58	6.87	8.02	10.59	10.66	11.48	11.94	11.47	11.97	11.98	13.64	29%	1.42%	13.86%
Rail (Mt)	0.03	0.88	0.9	0.45	0.6	0.53	0.61	0.23	0.22	0.56	0.53	1667%	17.30%	-5.36%
Domestic Aviation (Mt)	0	0.01	0.02	0.01	0.01	0.01	0.01	0.03	0.01	0.28	0.36	..	31.74%	28.57%
International Aviation (Mt)	0.69	0.54	0.37	0.33	0.29	0.35	0.4	0.33	0.4	0.32	0.36	-48%	-3.55%	12.50%
Domestic Navigation (Mt)	1	0.32	0.35	0.32	0.32	0.22	0.13	0.13	0.12	0.26	0.24	-76%	-7.62%	-7.69%
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0.22	..	..	100.00%
Other Transport (Mt)	0	0.05	0.18	0.1	0.15	0.15	0.11	0.13	0.12	0.14	0.18	..	10.36%	28.57%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	243.15	181.07	136.72	141.24	147.43	154.11	155.89	150.02	154.72	153.28	147.03	-40%	-2.76%	-4.08%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	150.25	112.88	83.50	88.36	92.51	98.11	98.10	91.21	94.64	93.83	90.61	-40%	-2.77%	-3.43%
... of which transport GHG (Mt CO ₂ eq.)*	8.74	8.91	9.89	11.47	12.38	12.57	15.00	12.39	12.89	13.49	15.79	81%	3.34%	17.08%
Road (Mt)	6.51	7.31	8.29	10.65	11.36	11.55	13.92	11.56	12.02	12.10	14.01	115%	4.35%	15.83%
International Aviation (Mt)	0.17	0.36	0.28	0.27	0.25	0.34	0.36	0.41	0.45	0.42	0.90	427%	9.68%	112.60%
International Shipping (Mt)	0.88	0.24	0.21	0.03	0.07	0.03	0.04	0.09	0.09	0.22	0.22	-75%	-7.43%	1.57%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

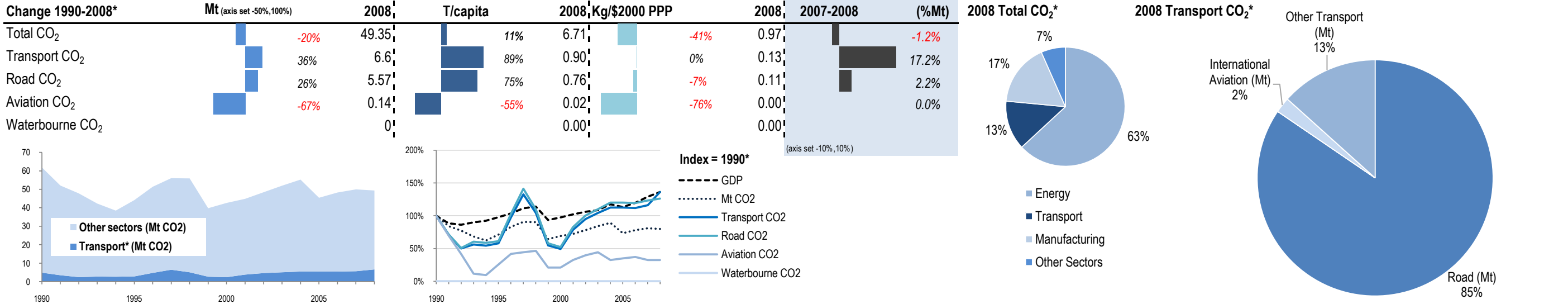
Russian Federation

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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Serbia

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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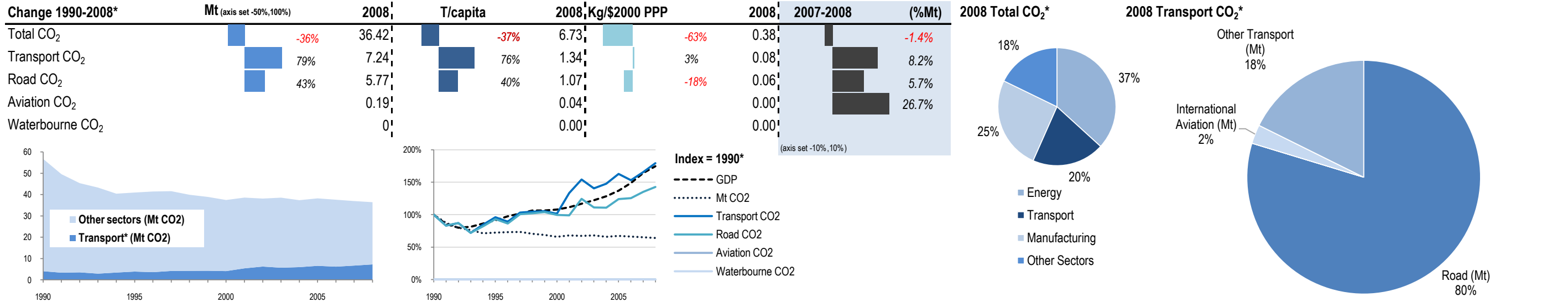


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	10.23	10.39	8.18	8.16	8.15	8.12	8.09	7.44	7.41	7.38	7.35	-28%	-1.82%	-0.41%
GDP PPP (billion 2000 US dollars)	37.53	36.76	36.62	38.26	39.79	40.79	44.08	42.56	44.99	48.37	51.08	36%	1.73%	5.60%
Road passenger km (million pkm)	23264	12896	3056	4257	4086	3865	3676	4820	5480	4456	4719	-80%	-8.48%	5.90%
Road and Rail freight tkm (million tkm)	15789	5898	2499	2464	2721	3043	3441	4161	5030	5712	5451	-65%	-5.74%	-4.57%
Road pkm/capita	2274	1241	374	522	501	476	454	648	740	604	642	-72%	-6.78%	6.33%
Road and Rail freight tkm/\$ gdp	0.42	0.16	0.07	0.06	0.07	0.07	0.08	0.10	0.11	0.12	0.11	-75%	-7.34%	-9.63%
Passenger cars per 1000 inhabitants	..	..	..	..	..	..	..	..	204	200	..	..	..	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	61.87	44.12	42.63	44.84	48.4	51.96	55.26	45.41	48.26	49.96	49.35	-20%	-1.25%	-1.22%
... of which transport CO ₂ (Mt)*	4.85	2.81	2.39	3.8	4.61	5.06	5.45	5.46	5.43	5.63	6.6	36%	1.73%	17.23%
Transport* as a percentage of total	7.8%	6.4%	5.6%	8.5%	9.5%	9.7%	9.9%	12.0%	11.3%	11.3%	13.4%			
Road (Mt)	4.42	2.7	2.3	3.66	4.44	4.87	5.31	5.31	5.27	5.45	5.57	26%	1.29%	2.20%
Rail (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	0.43	0.11	0.09	0.14	0.17	0.19	0.14	0.15	0.16	0.14	0.14	-67%	-6.04%	0.00%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0.04	0.88	..	..	2100.00%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO ₂ eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Slovak Republic

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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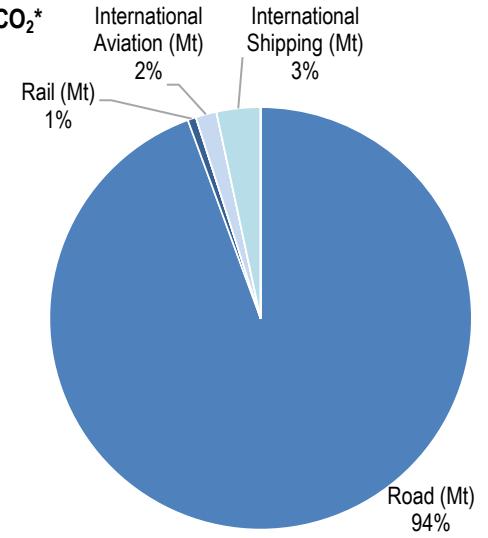
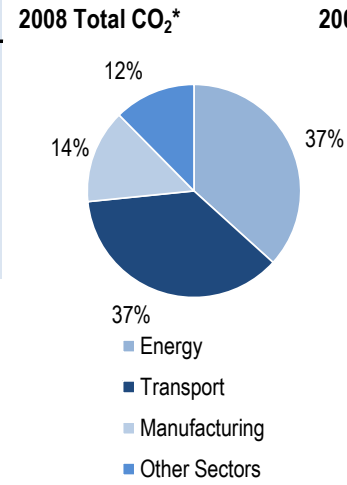
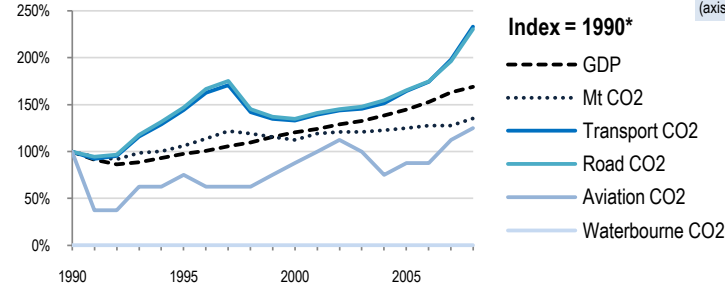
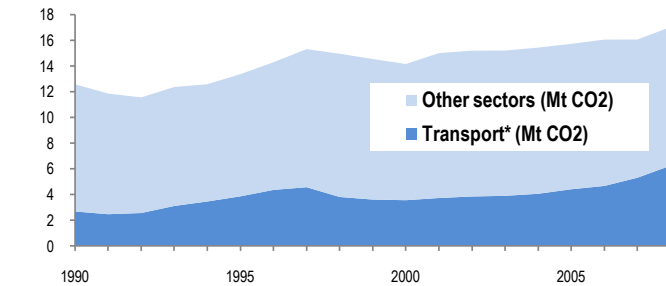
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	5.30	5.36	5.40	5.38	5.38	5.38	5.38	5.39	5.39	5.40	5.41	2%	0.11%	0.19%
GDP PPP (billion 2000 US dollars)	54.97	50.17	59.26	61.33	64.14	67.20	70.59	75.29	81.69	90.34	95.91	74%	3.14%	6.17%
Road passenger km (million pkm)	..	29168	32364	32309	33214	32981	32214	33564	33736	33731	32962	..	0.95%	-2.28%
Road and Rail freight tkm (million tkm)	..	40210	25575	24728	25312	26972	28219	32013	32102	36697	38393	..	-0.36%	4.62%
Road pkm/capita	..	5442	5993	6005	6174	6130	5988	6227	6259	6246	6093	..	0.87%	-2.46%
Road and Rail freight tkm/\$ gdp	..	0.80	0.43	0.40	0.39	0.40	0.40	0.43	0.39	0.41	0.40	..	-5.20%	-1.45%
Passenger cars per 1000 inhabitants	163	189	236	240	247	252	222	..	247	272	..	..	3.06%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	56.73	40.95	37.45	38.58	38.12	38.55	37.36	38.22	37.58	36.95	36.42	-36%	-2.43%	-1.43%
... of which transport CO ₂ (Mt)*	4.04	3.88	4.1	5.39	6.23	5.68	5.96	6.57	6.18	6.69	7.24	79%	3.29%	8.22%
Transport* as a percentage of total	7.1%	9.5%	10.9%	14.0%	16.3%	14.7%	16.0%	17.2%	16.4%	18.1%	19.9%			
Road (Mt)	4.04	3.76	4.02	4	5.02	4.49	4.47	5.01	5.07	5.46	5.77	43%	2.00%	5.68%
Rail (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0.04	0.01	0	0	..	..	..
International Aviation (Mt)	0.00	0.12	0.08	0.09	0.14	0.1	0.08	0.12	0.12	0.15	0.19	..	3.60%	26.67%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	0	0	0	1.3	1.07	1.09	1.4	1.4	0.97	1.08	1.28	..	-0.22%	18.52%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	74.03	53.40	49.23	50.66	49.93	51.09	50.85	50.17	49.98	47.90	49.00	-34%	-2.27%	2.31%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	54.35	37.29	32.80	33.98	31.91	33.40	32.40	32.27	31.58	29.74	31.24	-43%	-3.03%	5.02%
... of which transport GHG (Mt CO ₂ eq.)*	5.17	4.49	4.28	4.88	5.03	5.12	5.42	6.39	5.94	6.72	6.90	34%	1.62%	2.57%
Road (Mt)	4.59	4.14	4.05	4.63	4.78	4.90	5.19	6.16	5.66	6.43	6.59	44%	2.03%	2.55%
International Aviation (Mt)	0.06	0.05	0.04	0.04	0.04	0.06	0.08	0.09	0.10	0.12	0.13	110%	4.21%	12.94%
International Shipping (Mt)	0.07	0.07	0.00	0.03	0.03	0.02	0.01	0.00	0.03	0.04	0.04	-40%	-2.82%	6.76%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Slovenia

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	35%	17.04	34%	8.44	-20%	0.35		6.0%
Transport CO ₂	133%	6.25	131%	3.09	38%	0.13		17.7%
Road CO ₂	130%	5.9	128%	2.92	36%	0.12		17.3%
Aviation CO ₂	25%	0.1	24%	0.05	-26%	0.00		11.1%
Waterbourne CO ₂		0.21		0.10		0.00		40.0%



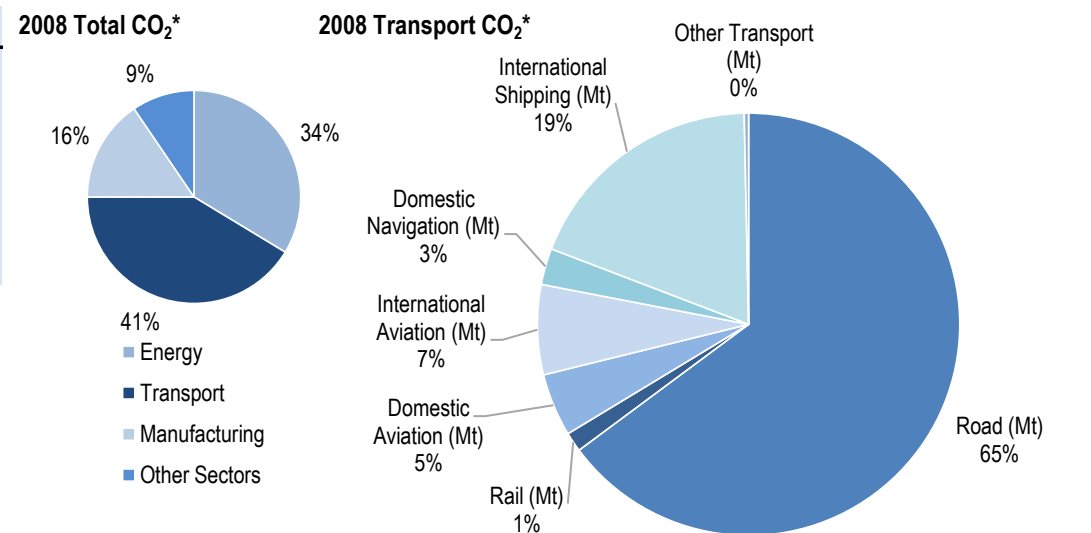
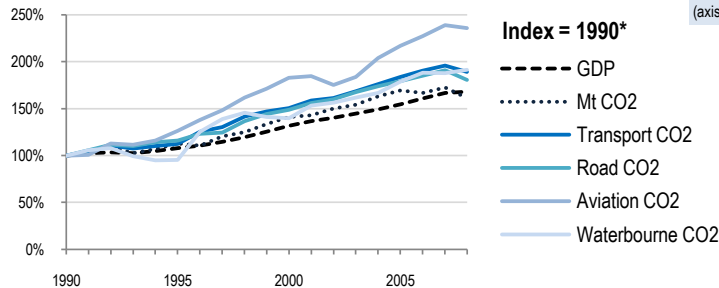
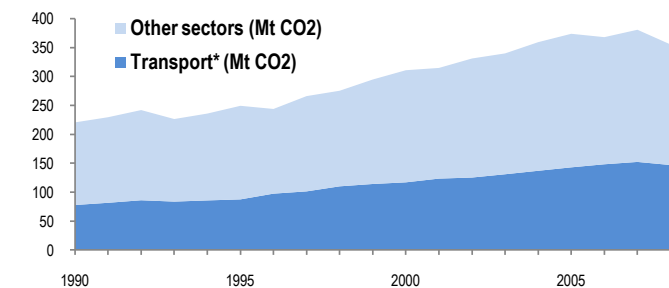
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	2.00	1.99	1.99	1.99	2.00	2.00	2.00	2.00	2.01	2.02	2.02	1%	0.06%	0.00%
GDP PPP (billion 2000 US dollars)	28.82	28.08	34.76	35.75	37.17	38.22	39.86	41.65	44.07	47.06	48.71	69%	2.96%	3.51%
Road passenger km (million pkm)	19828	20451	23827	24194	24626	24777	25260	25571	26139	27590	28024	41%	1.94%	1.57%
Road and Rail freight tkm (million tkm)	9096	4778	4794	4764	5023	5269	5416	5606	5652	6175	6155	-32%	-2.15%	-0.32%
Road pkm/capita	9914	10277	11973	12158	12313	12389	12630	12786	13004	13658	13873	40%	1.88%	1.57%
Road and Rail freight tkm/\$ gdp	0.32	0.17	0.14	0.13	0.14	0.14	0.14	0.13	0.13	0.13	0.13	-60%	-4.96%	-3.70%
Passenger cars per 1000 inhabitants	289	351	426	447	452	460	470	482	493	505	..	..	3.34%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	12.58	13.37	14.16	15.01	15.2	15.21	15.44	15.73	16.06	16.07	17.04	35%	1.70%	6.04%
... of which transport CO ₂ (Mt)*	2.68	3.86	3.56	3.73	3.85	3.9	4.06	4.41	4.67	5.31	6.25	133%	4.82%	17.70%
Transport* as a percentage of total	21.3%	28.9%	25.1%	24.9%	25.3%	25.6%	26.3%	28.0%	29.1%	33.0%	36.7%			
Road (Mt)	2.56	3.76	3.45	3.61	3.72	3.78	3.96	4.23	4.47	5.03	5.9	130%	4.75%	17.30%
Rail (Mt)	0.03	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	33%	1.61%	0.00%
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	0.08	0.06	0.07	0.08	0.09	0.08	0.06	0.07	0.07	0.09	0.1	25%	1.25%	11.11%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	0	0	0	0	0	0	0	0.07	0.09	0.15	0.21	..	..	40.00%
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	18.56	18.52	18.89	19.76	20.04	19.71	19.96	20.28	20.62	20.85	21.63	17%	0.85%	3.75%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	14.02	14.49	14.65	15.51	15.65	15.34	15.65	15.89	16.15	16.34	17.45	24%	1.22%	6.79%
... of which transport GHG (Mt CO ₂ eq.)*	2.83	3.82	3.83	3.97	3.98	4.11	4.23	4.51	4.83	5.50	6.50	130%	4.73%	18.12%
Road (Mt)	2.68	3.71	3.72	3.85	3.85	3.99	4.13	4.40	4.61	5.18	6.11	128%	4.69%	17.79%
International Aviation (Mt)	0.08	0.06	0.07	0.08	0.08	0.08	0.06	0.07	0.07	0.10	0.10	31%	1.51%	6.70%
International Shipping (Mt)	0	0	0	0	0	0	0	0	0.10	0.18	0.24	..	..	34.86%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Spain



Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008,Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	61%	355.43	38%	7.80	-4%	0.32	-6.7%
Transport CO ₂	89%	146.87	62%	3.22	12%	0.13	-3.5%
Road CO ₂	80%	95.23	54%	2.09	7%	0.09	-5.3%
Aviation CO ₂	136%	17.18	102%	0.38	40%	0.02	-1.3%
Waterbourne CO ₂	91%	31.77	64%	0.70	14%	0.03	1.8%



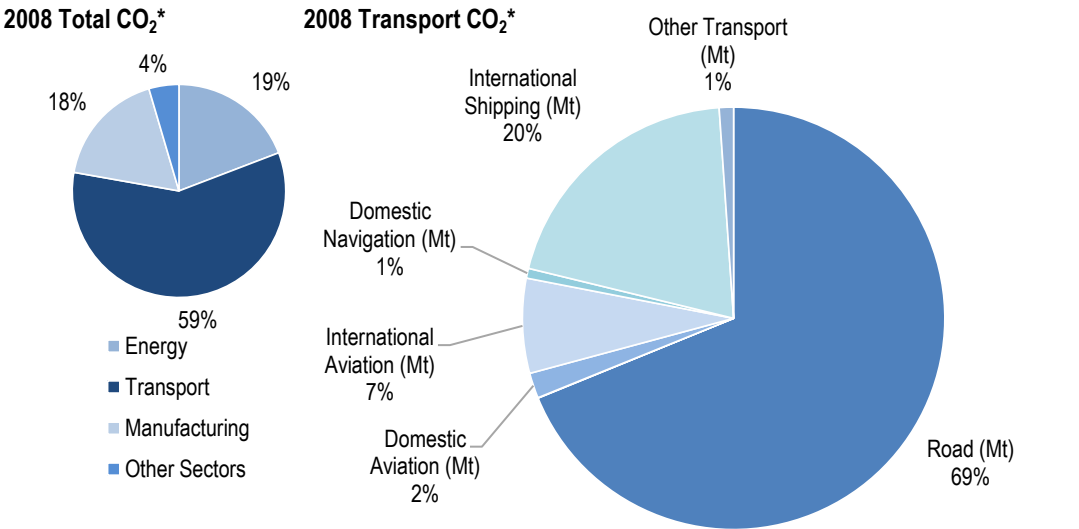
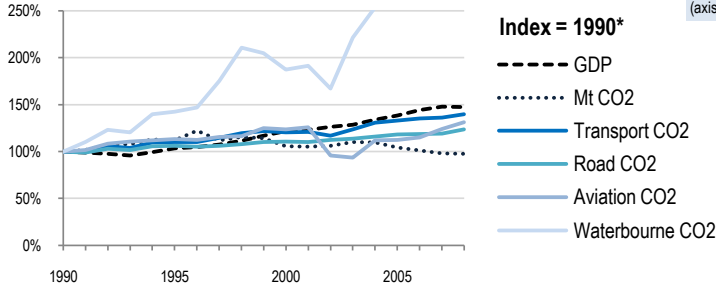
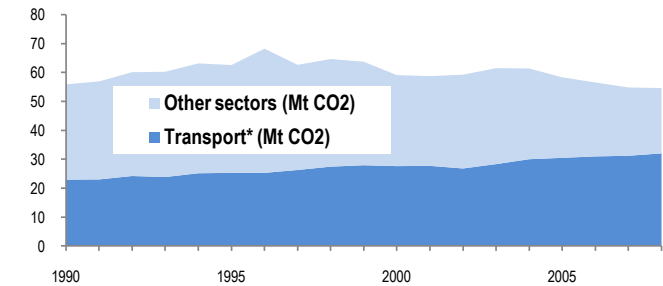
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	39.01	39.39	40.26	40.72	41.31	42.01	42.69	43.40	44.07	44.87	45.59	17%	0.87%	1.60%
GDP PPP (billion 2000 US dollars)	651.50	702.08	858.54	889.86	913.92	942.22	973.00	1008.17	1048.69	1086.05	1095.37	68%	2.93%	0.86%
Road passenger km (million pkm)	207765	251189	330263	336520	362576	371137	383650	390973	390306	402456	403475	94%	3.76%	0.25%
Road and Rail freight tkm (million tkm)	102143	112293	160885	173363	191766	199456	226735	239022	247389	264891	248943	144%	5.07%	-6.02%
Road pkm/capita	5326	6377	8203	8264	8777	8834	8987	9009	8857	8969	8850	66%	2.86%	-1.33%
Road and Rail freight tkm/\$ gdp	0.16	0.16	0.19	0.19	0.21	0.21	0.23	0.24	0.24	0.24	0.23	45%	2.08%	-6.82%
Passenger cars per 1000 inhabitants	309	362	431	446	454	445	..	..	..	485	..	..	2.69%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	220.59	249.29	310.87	314.82	331.15	339.95	359.38	373.89	368.05	380.85	355.43	61%	2.69%	-6.67%
... of which transport CO ₂ (Mt)*	77.72	87.45	116.91	123.39	125.24	130.93	136.9	142.87	148.15	152.24	146.87	89%	3.60%	-3.53%
Transport* as a percentage of total	35.2%	35.1%	37.6%	39.2%	37.8%	38.5%	38.1%	38.2%	40.3%	40.0%	41.3%			
Road (Mt)	52.76	61.27	78.35	82.33	84.38	88.39	91.77	94.56	97.71	100.61	95.23	80%	3.34%	-5.35%
Rail (Mt)	0.66	0.89	1.51	1.61	1.58	1.76	2.01	2.18	1.94	2.3	2.2	233%	6.92%	-4.35%
Domestic Aviation (Mt)	3.96	3.18	5.28	5.26	4.9	5.13	5.68	6.62	6.96	7.33	7.07	79%	3.27%	-3.55%
International Aviation (Mt)	3.32	6.01	8.03	8.18	7.87	8.25	9.15	9.18	9.57	10.07	10.11	205%	6.38%	0.40%
Domestic Navigation (Mt)	5.16	5.83	4.28	4.27	4.29	4.8	4.95	4.75	5.19	4.5	4.08	-21%	-1.30%	-9.33%
International Shipping (Mt)	11.46	10.00	18.97	21.23	21.68	22.09	22.78	25.00	26.11	26.71	27.69	142%	5.02%	3.67%
Other Transport (Mt)	0.4	0.27	0.49	0.52	0.54	0.51	0.56	0.57	0.68	0.73	0.49	23%	1.13%	-32.88%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	300.23	331.40	408.39	410.54	427.61	435.65	453.12	470.08	463.77	476.30	444.40	48%	2.20%	-6.70%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	223.25	252.57	312.14	317.55	335.72	340.55	359.07	376.43	368.23	379.16	353.55	58%	2.59%	-6.75%
... of which transport GHG (Mt CO ₂ eq.)*	72.47	83.17	113.95	120.03	121.89	126.83	132.10	138.08	142.92	147.65	142.17	96%	3.81%	-3.71%
Road (Mt)	51.24	61.44	78.55	81.86	83.65	87.42	90.49	93.01	95.87	98.61	92.31	80%	3.32%	-6.39%
International Aviation (Mt)	3.47	6.28	8.40	8.55	8.22	8.63	9.57	9.60	10.01	10.53	10.56	204%	6.38%	0.36%
International Shipping (Mt)	11.63	10.15	19.20	21.48	22.00	22.42	23.11	25.37	26.48	27.09	28.10	142%	5.02%	3.69%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Sweden



Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	-2%	54.62	-10%	5.90	-34%	0.18	-0.4%	
Transport CO ₂	40%	32.01	29%	3.46	-5%	0.11	2.6%	
Road CO ₂	24%	22.02	14%	2.38	-16%	0.07	3.9%	
Aviation CO ₂	31%	2.94	21%	0.32	-11%	0.01	5.8%	
Waterbourne CO ₂	163%	6.67	143%	0.72	78%	0.02	-3.1%	

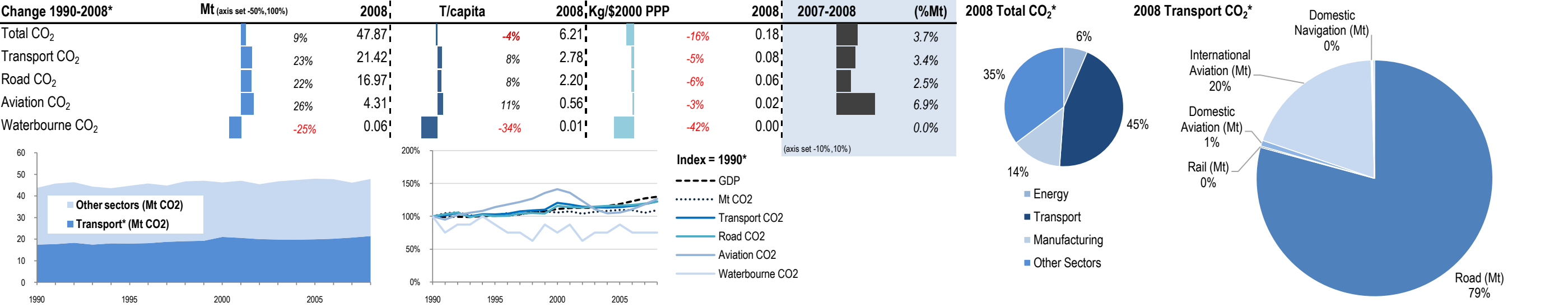


Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	8.56	8.83	8.87	8.90	8.93	8.96	8.99	9.03	9.08	9.15	9.26	8%	0.44%	1.20%
GDP PPP (billion 2000 US dollars)	202.11	209.00	246.30	248.90	254.90	259.78	270.50	279.42	291.29	298.70	298.05	47%	2.18%	-0.22%
Road passenger km (million pkm)	95600	97300	101400	102000	104700	105400	105900	106100	105700	108100	106900	12%	0.62%	-1.11%
Road and Rail freight tkm (million tkm)	36091	38684	43775	42471	44208	44289	45860	48807	50349	52057	53908	49%	2.25%	3.56%
Road pkm/capita	11168	11019	11432	11461	11725	11763	11780	11750	11641	11814	11544	3%	0.18%	-2.28%
Road and Rail freight tkm/\$ gdp	0.18	0.19	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	1%	0.07%	3.78%
Passenger cars per 1000 inhabitants	426	411	451	452	453	455	458	460	462	465	..	..	0.52%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	55.91	62.58	59.1	58.74	59.25	61.5	61.4	58.33	56.56	54.82	54.62	-2%	-0.13%	-0.36%
... of which transport CO2 (Mt)*	22.93	25.29	27.61	27.7	26.8	28.3	30	30.48	30.97	31.19	32.01	40%	1.87%	2.63%
Transport* as a percentage of total	41.0%	40.4%	46.7%	47.2%	45.2%	46.0%	48.9%	52.3%	54.8%	56.9%	58.6%			
Road (Mt)	17.82	18.91	19.74	19.65	20	20.23	20.63	21.08	21.11	21.19	22.02	24%	1.18%	3.92%
Rail (Mt)	0.12	0.12	0.07	0.07	0.08	0.08	0.07	0.01	0.01	0.01	0.01	-92%	-12.89%	0.00%
Domestic Aviation (Mt)	1.17	0.78	0.71	0.72	0.59	0.58	0.66	0.65	0.62	0.85	0.62	-47%	-3.47%	-27.06%
International Aviation (Mt)	1.07	1.76	2.06	2.1	1.56	1.51	1.85	1.87	1.96	1.93	2.32	117%	4.39%	20.21%
Domestic Navigation (Mt)	0.45	0.32	0.48	0.48	0.46	0.54	0.46	0.45	0.38	0.34	0.24	-47%	-3.43%	-29.41%
International Shipping (Mt)	2.09	3.30	4.28	4.38	3.79	5.09	5.99	6.12	6.57	6.54	6.43	208%	6.44%	-1.68%
Other Transport (Mt)	0.21	0.1	0.27	0.29	0.32	0.28	0.34	0.31	0.32	0.32	0.35	67%	2.88%	9.38%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	76.05	79.29	75.66	76.10	76.15	78.08	78.84	76.42	76.55	75.86	73.45	-3%	-0.19%	-3.18%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	56.49	59.68	56.73	57.29	57.41	59.76	60.08	58.01	57.77	57.38	55.34	-2%	-0.11%	-3.56%
... of which transport GHG (Mt CO2 eq.)*	22.64	24.38	26.50	26.52	26.27	27.97	29.51	30.06	30.44	30.93	30.18	33%	1.61%	-2.43%
Road (Mt)	17.51	18.13	18.19	18.42	19.03	19.26	19.60	19.88	19.77	19.91	19.36	11%	0.56%	-2.78%
International Aviation (Mt)	1.35	1.46	1.95	1.90	1.63	1.59	1.79	1.96	2.03	2.22	2.38	76%	3.20%	7.14%
International Shipping (Mt)	2.26	3.56	4.85	4.73	4.17	5.61	6.61	6.75	7.25	7.48	7.10	214%	6.56%	-4.99%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Switzerland

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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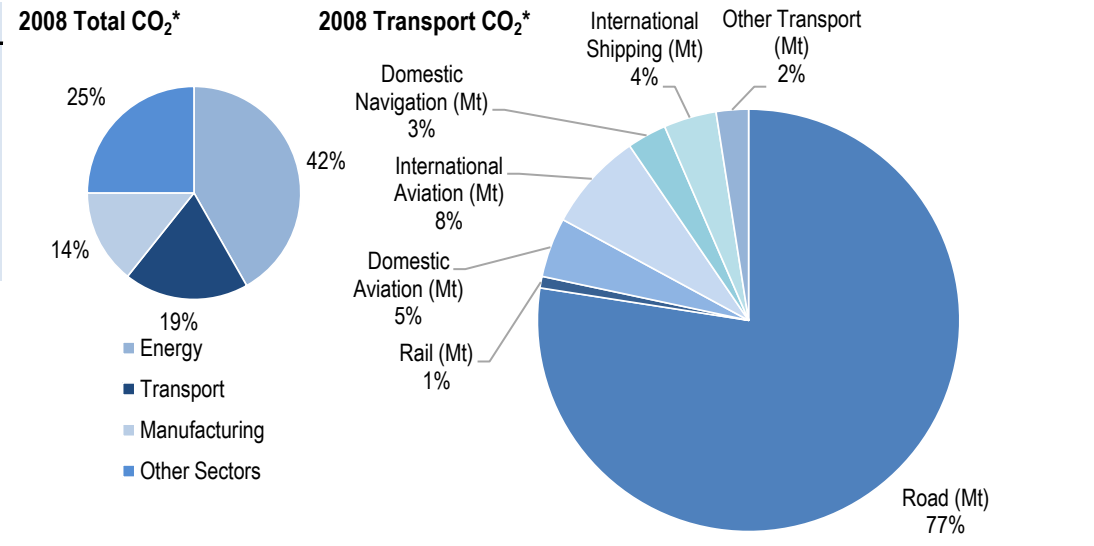
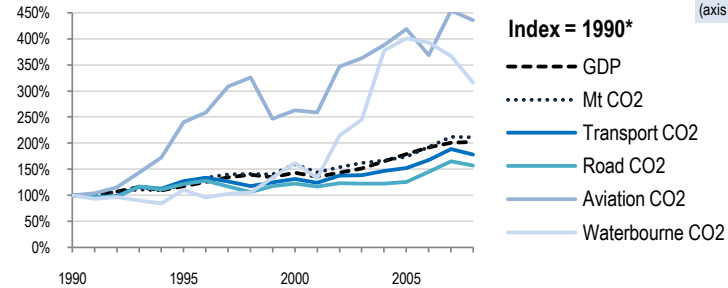
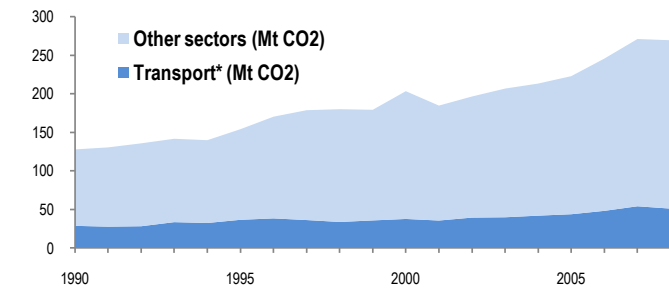
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	6.80	7.08	7.21	7.29	7.34	7.41	7.45	7.50	7.56	7.62	7.71	13%	0.70%	1.18%
GDP PPP (billion 2000 US dollars)	205.03	206.05	227.96	230.59	231.61	231.15	237.01	243.27	252.10	261.19	265.84	30%	1.45%	1.78%
Road passenger km (million pkm)	78878	79021	83881	84152	84888	85596	86300	87116	87902	88628	85983	9%	0.48%	-2.98%
Road and Rail freight tkm (million tkm)	19998	20276	23861	24546	24410	24766	25998	26537	27851	27941	28483	42%	1.98%	1.94%
Road pkm/capita	11600	11161	11634	11543	11565	11551	11584	11615	11627	11631	11152	-4%	-0.22%	-4.12%
Road and Rail freight tkm/\$ gdp	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	10%	0.52%	0.16%
Passenger cars per 1000 inhabitants	449	459	493	502	508	512	516	520	520	524	..	..	0.91%	..
CO2 Emissions														
IEA CO ₂ from fuel combustion (Mt)*	43.77	44.71	46.26	47.06	45.43	46.75	47.39	47.99	47.76	46.14	47.87	9%	0.50%	3.75%
... of which transport CO ₂ (Mt)*	17.46	17.95	21.02	20.58	20.01	19.81	19.75	19.91	20.19	20.72	21.42	23%	1.14%	3.38%
Transport* as a percentage of total	39.9%	40.1%	45.4%	43.7%	44.0%	42.4%	41.7%	41.5%	42.3%	44.9%	44.7%			
Road (Mt)	13.87	13.9	16.05	15.79	15.7	15.89	16.04	16.16	16.27	16.55	16.97	22%	1.13%	2.54%
Rail (Mt)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	33%	1.61%	0.00%
Domestic Aviation (Mt)	0.41	0.26	0.25	0.2	0.28	0.21	0.16	0.13	0.1	0.16	0.17	-59%	-4.77%	6.25%
International Aviation (Mt)	3.00	3.63	4.57	4.43	3.92	3.57	3.41	3.48	3.68	3.87	4.14	38%	1.81%	6.98%
Domestic Navigation (Mt)	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	50%	2.28%	0.00%
International Shipping (Mt)	0.06	0.05	0.03	0.04	0.02	0.03	0.03	0.04	0.03	0.03	0.03	-50%	-3.78%	0.00%
Other Transport (Mt)	0.06	0.06	0.06	0.05	0.03	0.05	0.05	0.04	0.04	0.04	0.04	-33%	-2.23%	0.00%
GHG Emissions														
UNFCCC GHG emissions (Mt CO ₂ eq.)*	56.05	54.95	56.59	57.22	55.90	56.56	56.74	57.54	57.23	55.58	57.50	3%	0.14%	3.46%
UNFCCC GHG fuel combustion (Mt CO ₂ eq.)*	44.69	44.95	46.79	47.28	46.07	46.80	46.93	47.59	47.33	45.61	47.35	6%	0.32%	3.83%
... of which transport GHG (Mt CO ₂ eq.)*	17.67	17.92	20.60	20.03	19.56	19.32	19.22	19.34	19.61	20.19	20.86	18%	0.93%	3.34%
Road (Mt)	14.17	13.86	15.55	15.26	15.16	15.34	15.46	15.54	15.63	15.94	16.31	15%	0.78%	2.36%
International Aviation (Mt)	3.10	3.69	4.71	4.44	4.10	3.68	3.47	3.52	3.70	3.96	4.28	38%	1.81%	8.03%
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Turkey

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF
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Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	111%	269.45	63%	3.79	4%	0.32	-0.6%	-0.6%
Transport CO ₂	78%	51.02	38%	0.72	-12%	0.06	-5.6%	-5.6%
Road CO ₂	57%	39.52	22%	0.56	-22%	0.05	-5.0%	-5.0%
Aviation CO ₂	336%	6.19	238%	0.09	116%	0.01	-4.0%	-4.0%
Waterbourne CO ₂	216%	3.6	145%	0.05	56%	0.00	-13.9%	-13.9%



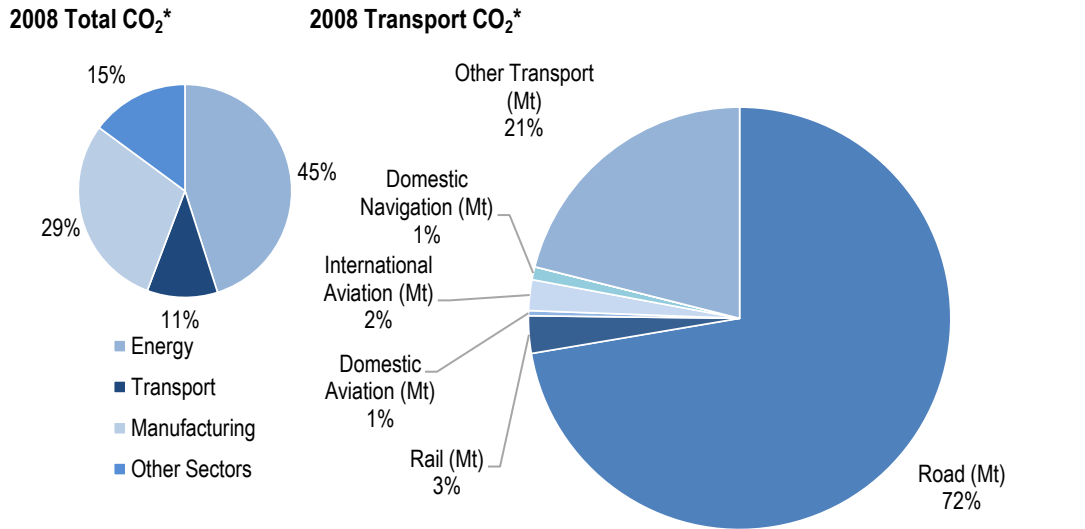
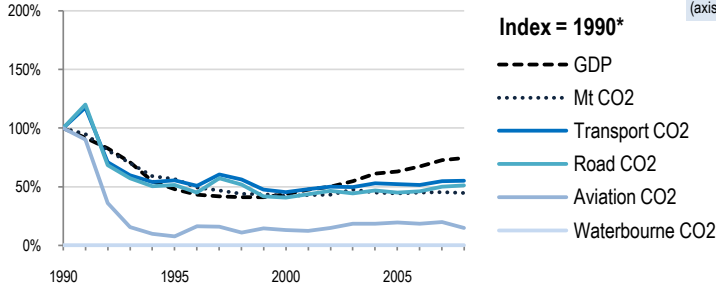
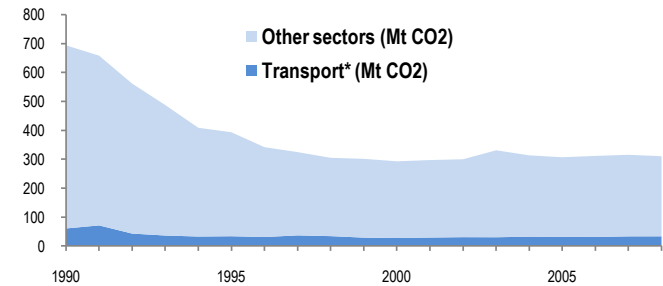
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	55.12	59.76	64.26	65.14	66.01	66.87	67.73	68.58	69.42	70.26	71.08	29%	1.42%	1.17%
GDP PPP (billion 2000 US dollars)	411.11	481.49	589.31	555.73	589.99	621.05	679.20	736.26	787.02	823.76	831.16	102%	3.99%	0.90%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	73740	121147	171447	158982	158136	160832	166270	175983	187075	191251	192674	161%	5.48%	0.74%
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	0.18	0.25	0.29	0.29	0.27	0.26	0.24	0.24	0.24	0.23	0.23	29%	1.44%	-0.15%
Passenger cars per 1000 inhabitants	34	52	66	66	66	66	75	80	84	88	..	..	5.75%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	127.81	154.02	203.35	184.66	196.47	206.73	213.23	222.88	245.64	271.05	269.45	111%	4.23%	-0.59%
... of which transport CO2 (Mt)*	28.66	36.49	37.59	35.55	39.34	39.77	41.89	43.71	48.12	54.02	51.02	78%	3.26%	-5.55%
Transport* as a percentage of total	22.4%	23.7%	18.5%	19.3%	20.0%	19.2%	19.6%	19.6%	19.6%	19.9%	18.9%			
Road (Mt)	25.18	30.69	30.87	29.44	30.96	30.74	30.75	31.65	36.54	41.6	39.52	57%	2.54%	-5.00%
Rail (Mt)	0.72	0.77	0.63	0.52	0.52	0.55	0.55	0.67	0.67	0.41	0.45	-38%	-2.58%	9.76%
Domestic Aviation (Mt)	0.89	2.63	2.19	2.14	2.36	2.49	2.64	2.74	2.33	3.03	2.33	162%	5.49%	-23.10%
International Aviation (Mt)	0.53	0.78	1.54	1.54	2.56	2.67	2.87	3.21	2.91	3.42	3.86	628%	11.66%	12.87%
Domestic Navigation (Mt)	0.77	0.68	0.6	0.78	0.78	0.86	1.19	1.26	1.42	1.55	1.54	100%	3.93%	-0.65%
International Shipping (Mt)	0.37	0.58	1.25	0.73	1.66	1.93	3.11	3.31	3.06	2.63	2.06	457%	10.01%	-21.67%
Other Transport (Mt)	0.2	0.35	0.52	0.41	0.52	0.52	0.77	0.87	1.19	1.38	1.26	530%	10.77%	-8.70%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	187.03	237.51	297.01	278.11	286.09	302.75	312.26	329.87	349.64	379.98	368.88	97%	3.85%	-2.92%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	130.70	159.34	210.93	194.40	202.58	216.71	226.20	240.27	256.95	286.85	278.15	113%	4.29%	-3.04%
... of which transport GHG (Mt CO2 eq.)*	26.29	33.28	35.52	35.58	36.63	38.41	41.23	41.31	44.39	51.79	50.18	91%	3.66%	-3.10%
Road (Mt)	24.35	29.21	31.33	31.06	31.66	32.97	34.79	35.28	37.70	43.64	40.57	67%	2.88%	-7.04%
International Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	1.30	..	..	..
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	1.07	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Ukraine



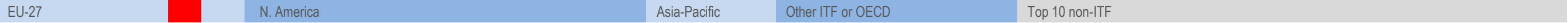
Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,Kg/\$2000 PPP	2008,	2007-2008	(%Mt)				
Total CO ₂		-55%	310.36		-50%	6.71		-40%	0.91		-1.6%
Transport CO ₂		-45%	33.21		-38%	0.72		-26%	0.10		0.5%
Road CO ₂		-49%	24.03		-43%	0.52		-31%	0.07		2.0%
Aviation CO ₂		-85%	0.91		-83%	0.02		-80%	0.00		-24.8%
Waterbourne CO ₂		0.33		0.01		0.00			0.00		-21.4%



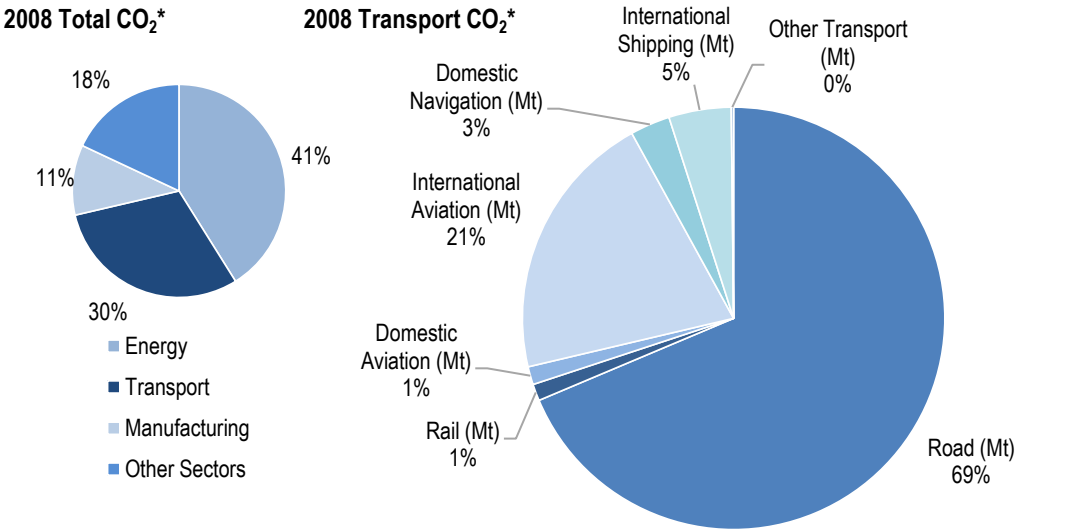
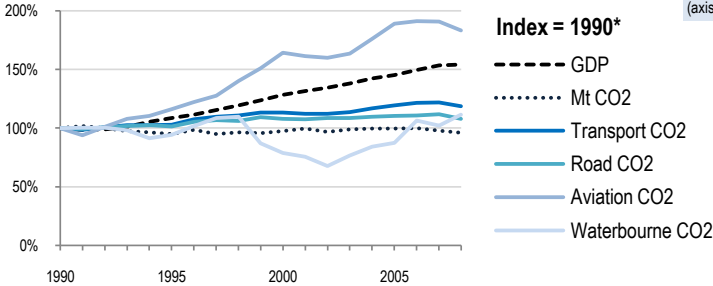
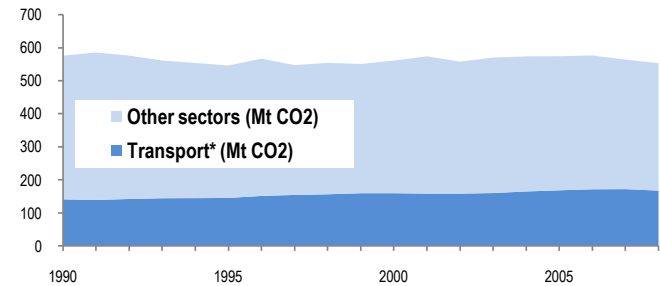
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	51.89	51.51	49.18	48.68	48.20	47.81	47.45	47.11	46.79	46.51	46.26	-11%	-0.64%	-0.54%
GDP PPP (billion 2000 US dollars)	456.90	219.32	198.51	216.77	228.05	249.48	279.67	287.22	308.19	332.53	339.52	-26%	-1.64%	2.10%
Road passenger km (million pkm)	90323	34789	28917	30423	79283	39495	46841	51820	53343	55446	55446	-39%	-2.67%	0.00%
Road and Rail freight tkm (million tkm)	488747	199329	175330	180453	197227	230621	241968	233160	252147	276788	275175	-44%	-3.14%	-0.58%
Road pkm/capita	1741	675	588	625	1645	826	987	1100	1140	1192	1199	-31%	-2.05%	0.54%
Road and Rail freight tkm/\$ gdp	1.07	0.91	0.88	0.83	0.86	0.92	0.87	0.81	0.82	0.83	0.81	-24%	-1.53%	-2.63%
Passenger cars per 1000 inhabitants	63	87	107	109	112	116	115	118	..	128	..	..	4.26%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	693.97	393.25	292.74	297.09	299.84	330.87	313.41	306.78	311.45	315.25	310.36	-55%	-4.37%	-1.55%
... of which transport CO2 (Mt)*	60.41	33.49	27.46	28.95	30.32	30.01	32	31.43	31.06	33.03	33.21	-45%	-3.27%	0.54%
Transport* as a percentage of total														
Road (Mt)	46.95	24.15	19.12	20.49	21.79	20.77	21.94	21.15	21.67	23.56	24.03	-49%	-3.65%	1.99%
Rail (Mt)	2.42	1.12	0.77	0.72	0.8	0.86	1.15	1.07	0.95	1.01	0.95	-61%	-5.06%	-5.94%
Domestic Aviation (Mt)	0	0.01	0.01	0.01	0.02	0.02	0.02	0.09	0.13	0.15	0.13	..	21.81%	-13.33%
International Aviation (Mt)	6.11	0.47	0.78	0.74	0.89	1.1	1.11	1.11	0.99	1.06	0.78	-87%	-10.81%	-26.42%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0.41	0.44	0.42	0.33	..	..	-21.43%
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	4.93	7.74	6.78	6.99	6.83	7.26	7.78	7.59	6.88	6.85	7	42%	1.97%	2.19%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	933.68	525.76	393.67	391.97	400.56	416.55	416.14	423.69	441.17	441.45	428.85	-54%	-4.23%	-2.85%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	604.63	334.80	219.05	220.99	224.16	237.45	233.81	242.77	252.43	247.75	241.66	-60%	-4.97%	-2.46%
... of which transport GHG (Mt CO2 eq.)*	93.61	0.76	35.08	35.71	38.64	38.84	41.57	43.55	44.72	45.48	45.37	-52%	-3.94%	-0.25%
Road (Mt)	46.68	0.00	16.42	18.20	21.51	21.67	24.09	26.35	28.12	30.31	29.77	-36%	-2.47%	-1.80%
International Aviation (Mt)	2.41	0.76	0.37	0.37	0.41	0.48	0.59	0.65	0.76	0.87	0.95	-61%	-5.05%	9.28%
International Shipping (Mt)	3.54	0.00	0.34	0.37	0.22	0.15	0.19	0.21	0.21	0.14	0.11	-97%	-17.58%	-22.32%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

United Kingdom



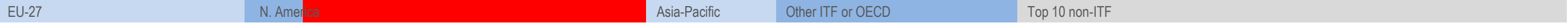
Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	-4%	553.25	-10%	9.02	-38%	0.30	-1.9%	
Transport CO ₂	19%	167.42	11%	2.73	-23%	0.09	-2.6%	
Road CO ₂	8%	114.93	1%	1.87	-30%	0.06	-3.6%	
Aviation CO ₂	83%	36.94	71%	0.60	19%	0.02	-3.9%	
Waterbourne CO ₂	11%	13.1	4%	0.21	-28%	0.01	9.1%	



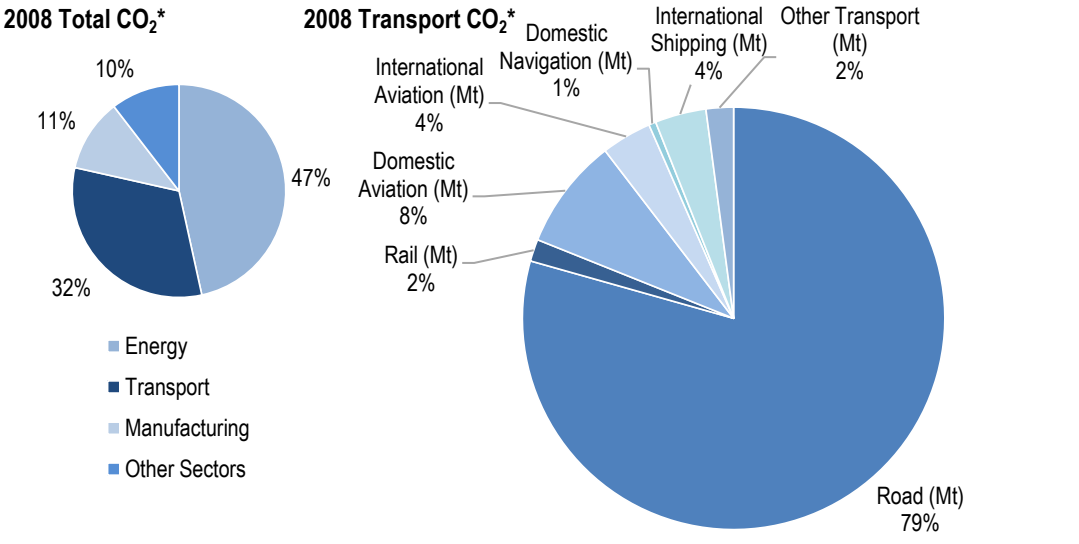
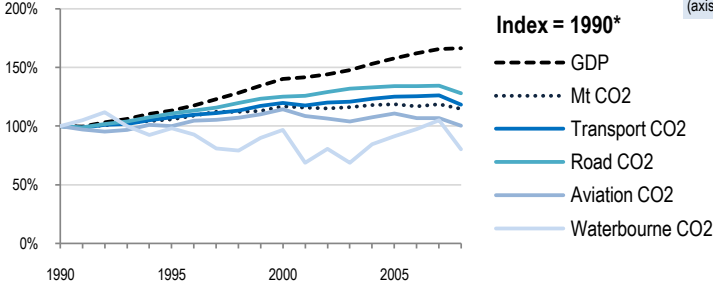
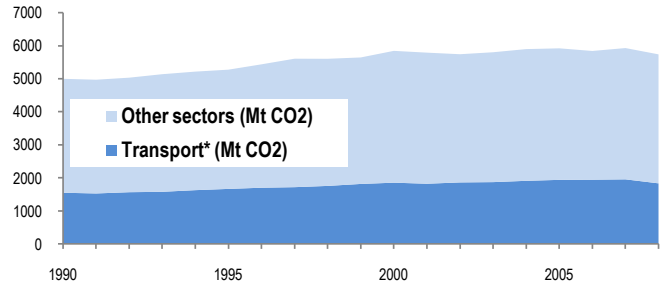
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	57.24	58.03	58.89	59.11	59.32	59.56	59.85	60.24	60.59	60.98	61.35	7%	0.39%	0.61%
GDP PPP (billion 2000 US dollars)	1195.36	1296.73	1535.42	1573.22	1606.21	1651.31	1700.04	1736.98	1786.54	1832.26	1842.30	54%	2.43%	0.55%
Road passenger km (million pkm)	633590	661200	686200	700440	723600	720600	727500	722900	731500	734500	728169	15%	0.78%	-0.86%
Road and Rail freight tkm (million tkm)	148900	160014	171804	171540	172747	175730	182118	186868	191082	197151	187283	26%	1.28%	-5.01%
Road pkm/capita	11069	11394	11652	11850	12198	12099	12155	12000	12073	12045	11869	7%	0.39%	-1.46%
Road and Rail freight tkm/\$ gdp	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	-18%	-1.12%	-5.52%
Passenger cars per 1000 inhabitants	341	352	388	433	446	440	451	457	..	463	..	..	1.82%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	575.95	546.14	560.96	573.85	557.89	570.16	573.71	574.33	576.62	563.91	553.25	-4%	-0.22%	-1.89%
... of which transport CO2 (Mt)*	141.04	145.24	159.53	158.33	158.36	160.08	164.86	168.38	171.5	171.94	167.42	19%	0.96%	-2.63%
Transport* as a percentage of total														
Road (Mt)	106.66	108.31	114.88	114.63	115.93	115.75	116.97	117.6	118.06	119.17	114.93	8%	0.42%	-3.56%
Rail (Mt)	1.93	1.88	1.83	1.9	1.9	1.91	2	2.02	2.08	2.01	2.14	11%	0.58%	6.47%
Domestic Aviation (Mt)	1.28	1.48	2.13	2.11	2.07	2.09	2.26	2.43	2.44	2.4	2.31	80%	3.33%	-3.75%
International Aviation (Mt)	18.86	21.92	30.93	30.37	30.1	30.81	33.2	35.65	36.06	36.04	34.63	84%	3.43%	-3.91%
Domestic Navigation (Mt)	3.93	3.48	2.85	2.01	2.02	3.54	3.45	3.96	5.25	4.69	5.11	30%	1.47%	8.96%
International Shipping (Mt)	7.84	7.62	6.44	6.88	5.93	5.46	6.45	6.34	7.26	7.32	7.99	2%	0.11%	9.15%
Other Transport (Mt)	0.54	0.55	0.47	0.43	0.42	0.51	0.53	0.37	0.36	0.32	0.3	-44%	-3.21%	-6.25%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	797.27	742.44	712.37	715.65	692.72	698.55	700.65	699.58	695.98	686.52	673.93	-15%	-0.93%	-1.83%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	599.44	564.65	576.17	588.66	570.64	581.93	585.70	585.42	585.66	576.37	565.82	-6%	-0.32%	-1.83%
... of which transport GHG (Mt CO2 eq.)*	141.81	147.73	162.32	161.85	162.22	163.71	168.94	172.98	176.05	176.44	171.64	21%	1.07%	-2.72%
Road (Mt)	111.60	113.43	118.24	118.19	120.53	120.17	121.38	121.83	122.22	123.41	118.87	7%	0.35%	-3.68%
International Aviation (Mt)	15.77	20.30	30.45	29.68	29.15	29.85	32.73	35.47	35.92	35.76	34.44	118%	4.44%	-3.70%
International Shipping (Mt)	6.82	6.86	5.93	6.64	5.58	5.03	5.99	6.02	6.99	7.04	7.76	14%	0.72%	10.26%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

United States



Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂		5738.37		-6%	18.84		0.49	-3.2%
Transport CO ₂		1834.01		-3%	6.02		0.16	-6.2%
Road CO ₂		1455.87		5%	4.78		0.12	-4.8%
Aviation CO ₂		226.85		-18%	0.74		0.02	-6.0%
Waterbourne CO ₂		81.84		-34%	0.27		0.01	-23.5%



Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	250.18	266.59	282.41	285.29	288.06	290.73	293.35	296.04	298.82	301.74	304.53	22%	1.10%	0.92%
GDP PPP (billion 2000 US dollars)	7063.99	8001.95	9898.80	10007.03	10189.89	10444.90	10819.30	11150.37	11448.54	11693.18	11742.29	66%	2.86%	0.42%
Road passenger km (million pkm)	3866914	3899426	4353881	4355726	4450661	4483127	4564468	4582280	4530078	4490847	4351457	13%	0.66%	-3.10%
Road and Rail freight tkm (million tkm)	2748759	3415938	3881751	3954597	4018649	4111590	4298406	4362309	4472100	4507819	4517589	64%	2.80%	0.22%
Road pkm/capita	15457	14627	15417	15268	15450	15420	15560	15479	15160	14883	14289	-8%	-0.44%	-3.99%
Road and Rail freight tkm/\$ gdp	0.39	0.43	0.39	0.40	0.39	0.39	0.40	0.39	0.39	0.39	0.38	-1%	-0.06%	-0.20%
Passenger cars and light trucks per 1000 inhabitants	752	753	782	805	794	793	805	811	813	816	..	..	0.48%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	4998.13	5275.2	5844.16	5790.76	5742.59	5802.23	5898.01	5921.63	5841.64	5929.09	5738.37	15%	0.77%	-3.22%
... of which transport CO2 (Mt)*	1549.45	1665.97	1854.07	1822.91	1861.96	1871.19	1910.82	1939.84	1944.86	1954.89	1834.01	18%	0.94%	-6.18%
Transport* as a percentage of total	31.0%	31.6%	31.7%	31.5%	32.4%	32.2%	32.4%	32.8%	33.3%	33.0%	32.0%			
Road (Mt)	1137.81	1258.24	1421.4	1432.98	1468.29	1499.81	1514.16	1523.77	1526.76	1528.93	1455.87	28%	1.38%	-4.78%
Rail (Mt)	32.07	32.31	30.53	29.71	30.9	31.04	33.17	37.04	41.25	39.74	30.96	-3%	-0.20%	-22.09%
Domestic Aviation (Mt)	187.51	180.35	201.74	193.99	176.26	173.7	179.84	182.74	173.27	170.89	156.27	-17%	-1.01%	-8.56%
International Aviation (Mt)	38.79	45.96	57.11	51.74	64.53	61.34	63.01	68.21	68.54	70.41	70.58	82%	3.38%	0.24%
Domestic Navigation (Mt)	11.17	9.59	9.77	8.61	9.13	9.42	9.14	11.44	11.11	11.04	9.97	-11%	-0.63%	-9.69%
International Shipping (Mt)	90.68	90.51	88.90	61.37	72.88	60.49	76.78	81.76	88.16	95.96	71.87	-21%	-1.28%	-25.10%
Other Transport (Mt)	51.42	49.01	44.61	44.51	39.95	35.39	34.71	34.88	35.76	37.91	38.49	-25%	-1.60%	1.53%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	6224.86	6572.52	7107.72	6995.64	7038.04	7068.80	7191.97	7216.29	7140.53	7248.83	7061.20	13%	0.70%	-2.59%
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	5045.73	5364.00	5928.43	5840.27	5883.73	5935.85	6050.23	6075.27	5994.41	6087.98	5906.24	17%	0.88%	-2.99%
... of which transport GHG (Mt CO2 eq.)*	1597.80	1734.17	1935.64	1908.44	1947.34	1938.70	1992.20	2018.02	2018.18	2028.90	1924.31	20%	1.04%	-5.15%
Road (Mt)	1228.46	1349.72	1519.37	1526.76	1561.46	1570.10	1603.49	1610.76	1608.56	1614.02	1536.71	25%	1.25%	-4.79%
International Aviation (Mt)	46.97	51.83	59.44	59.95	65.13	57.30	62.62	58.13	76.09	73.99	77.86	66%	2.85%	5.23%
International Shipping (Mt)	66.08	49.07	40.09	37.72	40.21	43.54	52.67	53.54	54.37	54.39	58.78	-11%	-0.65%	8.06%

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

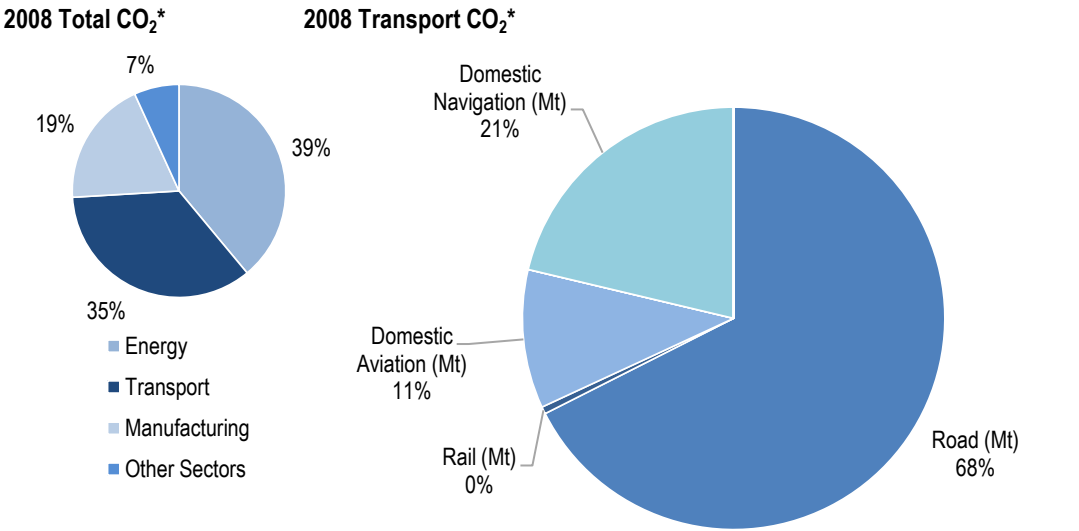
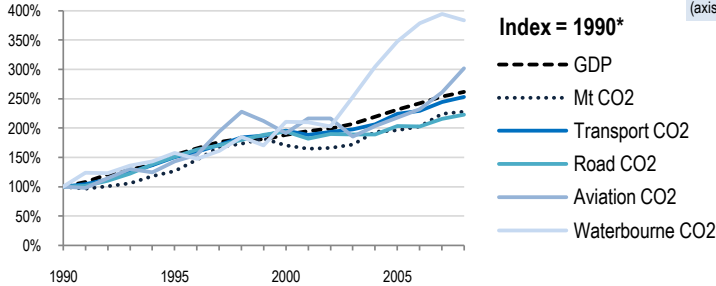
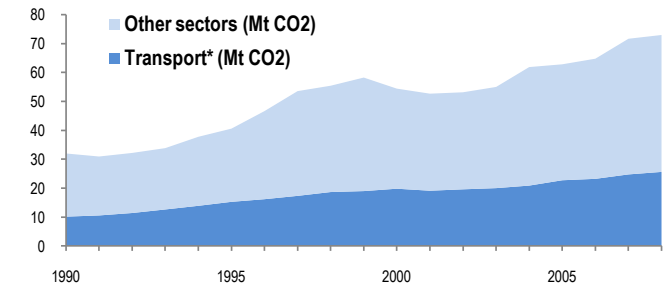
NEW-OECD MEMBERS

Country sheets

Chile



Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	128%	72.98	79%	4.35	-13%	0.37		1.8%
Transport CO ₂	153%	25.61	99%	1.53	-3%	0.13		3.5%
Road CO ₂	123%	17.3	76%	1.03	-15%	0.09		3.3%
Aviation CO ₂	202%	2.72	138%	0.16	15%	0.01		15.7%
Waterbourne CO ₂	284%	5.45	202%	0.33	47%	0.03		-2.7%



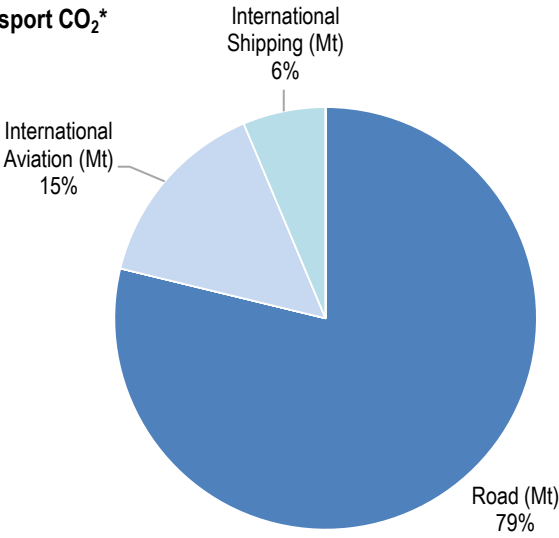
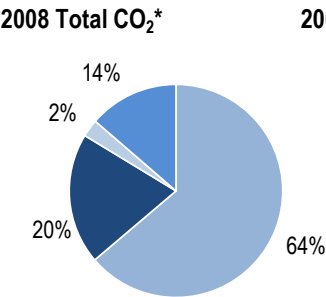
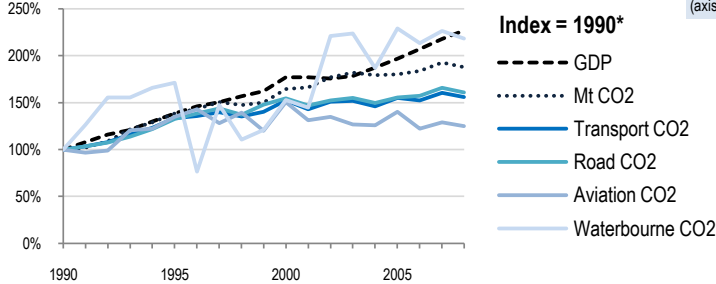
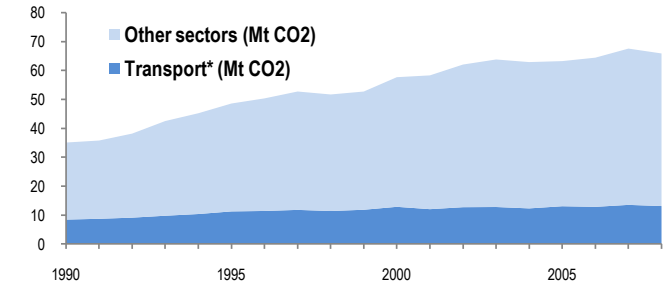
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	13.18	14.40	15.40	15.57	15.75	15.92	16.09	16.27	16.43	16.60	16.76	27%	1.34%	0.96%
GDP PPP (billion 2000 US dollars)	75.70	116.53	142.81	147.59	150.79	156.76	166.23	175.47	183.52	192.11	198.19	162%	5.49%	3.16%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Passenger cars and light trucks per 1000 inhabitants	..	..	..	..	87	88	..	91	97	103	..	..	3.43%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	31.99	40.58	54.42	52.68	53.16	55	61.88	62.84	64.77	71.68	72.98	128%	4.69%	1.81%
... of which transport CO2 (Mt)*	10.13	15.26	19.8	19.1	19.58	20	20.88	22.72	23.21	24.74	25.61	153%	5.29%	3.52%
Transport* as a percentage of total	31.7%	37.6%	36.4%	36.3%	36.8%	36.4%	33.7%	36.2%	35.8%	34.5%	35.1%			
Road (Mt)	7.75	11.69	15.03	14.12	14.7	14.68	14.66	15.76	15.69	16.74	17.3	123%	4.56%	3.35%
Rail (Mt)	0.06	0.04	0.06	0.05	0.06	0.06	0.05	0.05	0.06	0.06	0.14	133%	4.82%	133.33%
Domestic Aviation (Mt)	0.9	1.29	1.72	1.95	1.95	1.67	1.83	1.96	2.09	2.35	2.72	202%	6.34%	15.74%
International Aviation (Mt)	0.00	0	0	0	0	0	0	0	0	0	0	..	..	..
Domestic Navigation (Mt)	1.42	2.24	2.99	2.98	2.88	3.59	4.33	4.94	5.38	5.6	5.45	284%	7.76%	-2.68%
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Israel



Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	88%	65.9	20%	9.02	-17%	0.35	-2.5%	
Transport CO ₂	56%	13.11	0%	1.79	-31%	0.07	-3.0%	
Road CO ₂	61%	10.33	3%	1.41	-29%	0.05	-2.9%	
Aviation CO ₂	25%	1.95	-20%	0.27	-45%	0.01	-3.0%	
Waterbourne CO ₂	118%	0.83	40%	0.11	-4%	0.00	-3.5%	



Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	4.68	5.55	6.29	6.44	6.57	6.69	6.81	6.93	7.05	7.18	7.31	56%	2.51%	1.81%
GDP PPP (billion 2000 US dollars)	83.54	115.65	147.81	147.75	146.77	148.99	156.43	164.41	173.10	182.11	189.39	127%	4.65%	4.00%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Passenger cars and light trucks per 1000 inhabitants	..	..	..	..	232	231	234	239	..	251	..	..	1.59%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	35.08	48.58	57.69	58.31	62.06	63.81	62.91	63.25	64.44	67.58	65.9	88%	3.56%	-2.49%
... of which transport CO2 (Mt)*	8.42	11.25	12.84	12.03	12.71	12.77	12.29	13.04	12.83	13.51	13.11	56%	2.49%	-2.96%
Transport* as a percentage of total	24.0%	23.2%	22.3%	20.6%	20.5%	20.0%	19.5%	20.6%	19.9%	20.0%	19.9%			
Road (Mt)	6.42	8.5	9.91	9.43	9.77	9.94	9.62	9.98	10.11	10.64	10.33	61%	2.68%	-2.91%
Rail (Mt)	0.05	0	0	0	0	0	0	0	0	0	0	-100%	..	..
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	1.56	2.1	2.35	2.05	2.1	1.98	1.96	2.19	1.91	2.01	1.95	25%	1.25%	-2.99%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	0.38	0.65	0.58	0.55	0.84	0.85	0.71	0.87	0.81	0.86	0.83	118%	4.44%	-3.49%
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

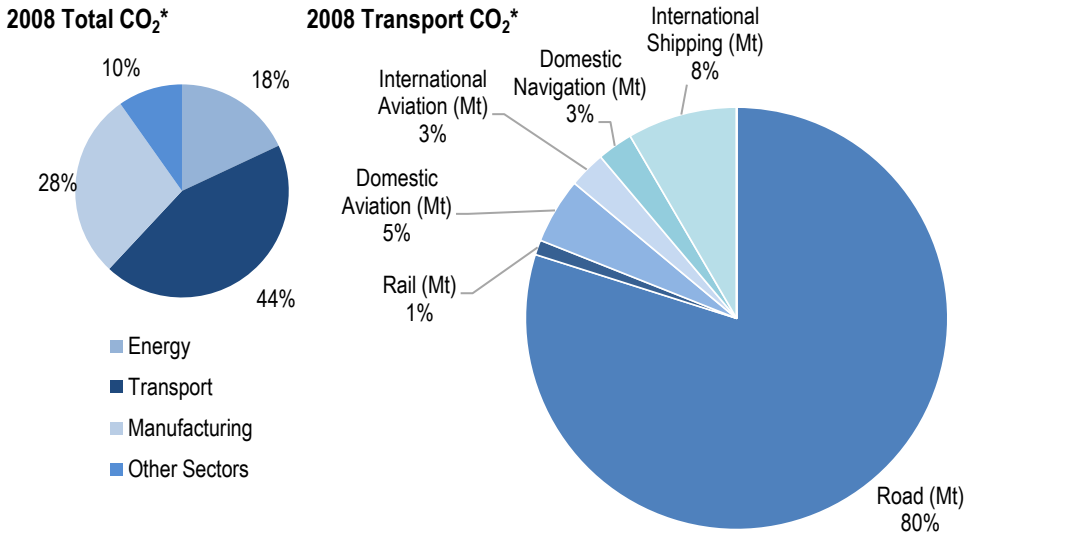
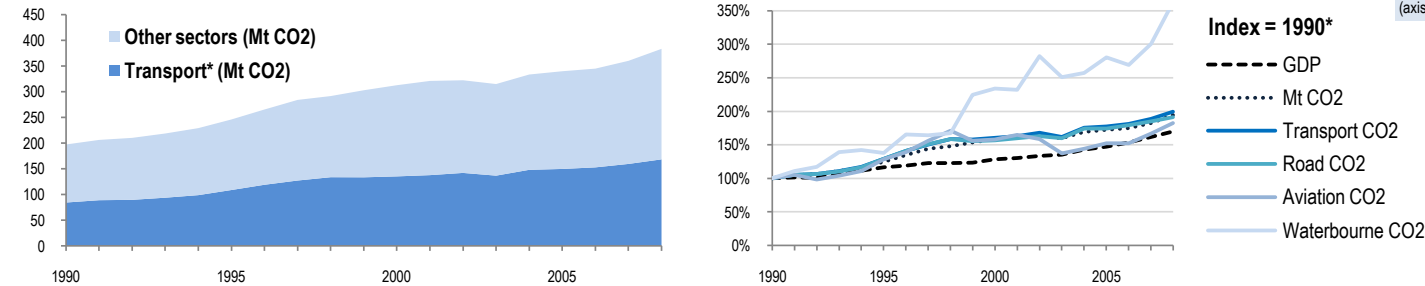
TOP 10 CO₂-EMITTING NON-ITF ECONOMIES

Summary sheets

Brazil



Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	94%	383.5	51%	2.00	14%	0.23		6.5%
Transport CO ₂	99%	168.43	55%	0.88	17%	0.10		5.6%
Road CO ₂	91%	134.55	49%	0.70	12%	0.08		3.4%
Aviation CO ₂	82%	13.19	42%	0.07	7%	0.01		9.4%
Waterbourne CO ₂	263%	18.77	183%	0.10	113%	0.01		20.9%



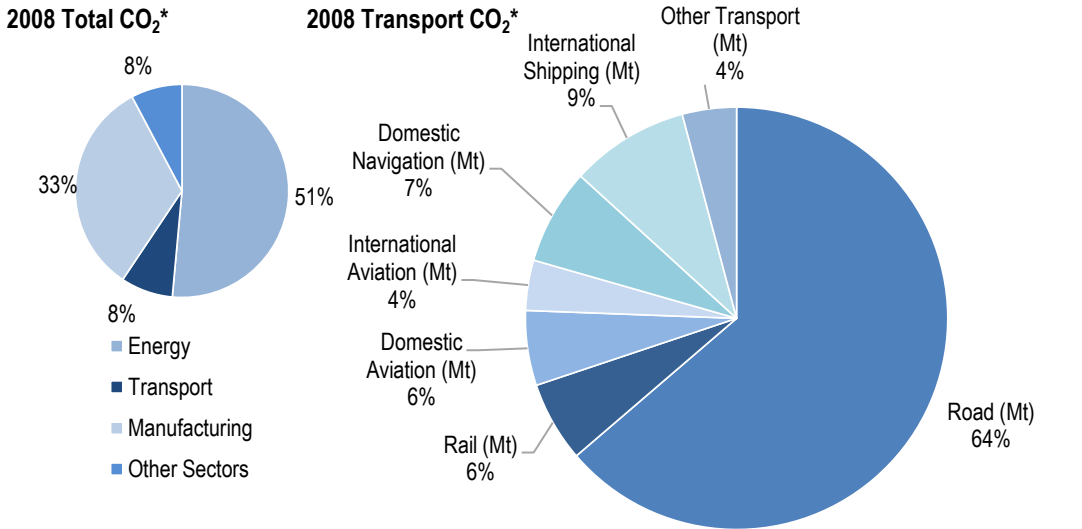
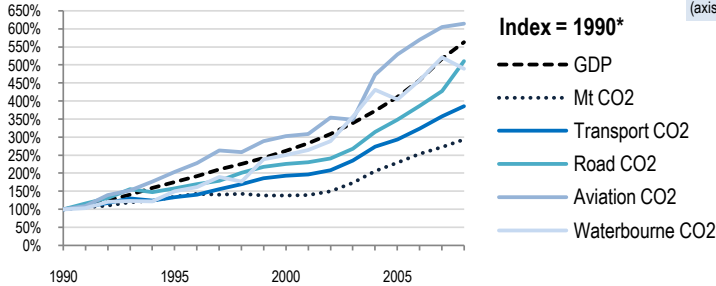
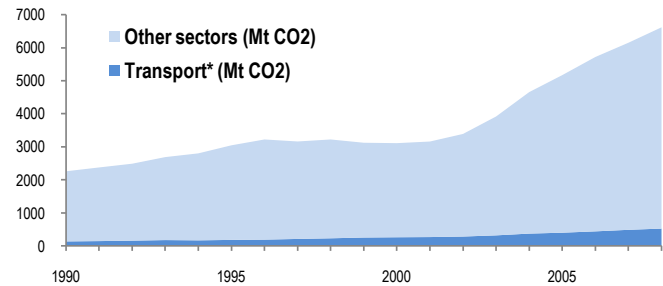
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	149.57	161.69	174.17	176.66	179.12	181.54	183.86	186.08	188.16	190.12	191.97	28%	1.40%	0.97%
GDP PPP (billion 2000 US dollars)	968.41	1126.39	1244.26	1260.57	1294.08	1308.92	1383.74	1427.44	1484.10	1568.24	1647.85	70%	3.00%	5.08%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Passenger cars per 1000 inhabitants	..	..	134	..	..	131	136	..	..	158	..	..	2.71%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	197.4	246.12	312.74	321.13	322.42	315.03	333.56	339.94	345.02	360.18	383.5	94%	3.76%	6.47%
... of which transport CO2 (Mt)*	84.46	108.82	135.32	137.78	142.07	136.79	148.11	149.81	152.9	159.55	168.43	99%	3.91%	5.57%
Transport* as a percentage of total	42.8%	44.2%	43.3%	42.9%	44.1%	43.4%	44.4%	44.1%	44.3%	44.3%	43.9%			
Road (Mt)	70.43	91.05	110.57	112.45	114.62	112.49	122.67	122.56	126.23	130.18	134.55	91%	3.66%	3.36%
Rail (Mt)	1.63	1.35	1.24	1.4	1.39	1.4	1.73	1.74	1.7	1.79	1.92	18%	0.91%	7.26%
Domestic Aviation (Mt)	5.82	7.22	9.43	9.47	9.29	6.63	7.11	7.69	7.21	7.92	8.47	46%	2.11%	6.94%
International Aviation (Mt)	1.41	2.06	2	2.46	2.17	3.3	3.3	3.3	3.82	4.14	4.72	235%	6.94%	14.01%
Domestic Navigation (Mt)	3.45	3.5	2.93	3.15	3.28	3.02	3.24	3.59	3.44	4.24	4.6	33%	1.61%	8.49%
International Shipping (Mt)	1.72	3.64	9.16	8.85	11.32	9.95	10.06	10.92	10.49	11.29	14.17	724%	12.43%	25.51%
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

China (including Hong Kong)

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF	
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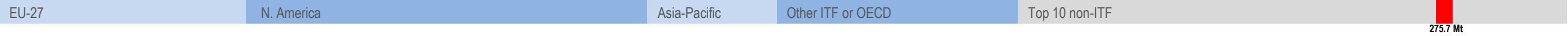
Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	193%	6618.39	151%	4.97	-48%	0.60	7.6%
Transport CO ₂	285%	524.85	230%	0.39	-32%	0.05	7.7%
Road CO ₂	410%	334.39	337%	0.25	-9%	0.03	19.2%
Aviation CO ₂	515%	50.28	426%	0.04	9%	0.00	1.5%
Waterbourne CO ₂	390%	86.13	319%	0.06	-13%	0.01	-6.0%



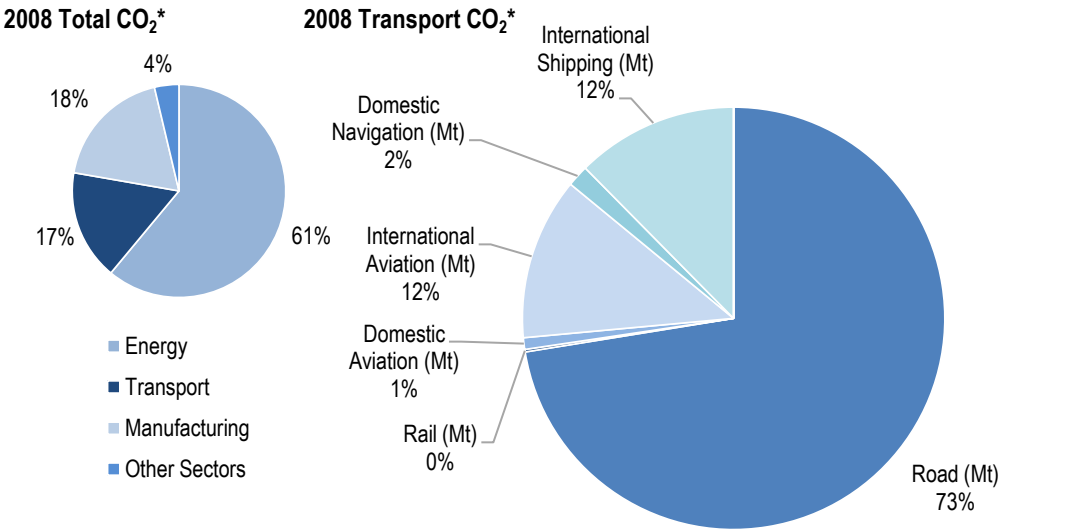
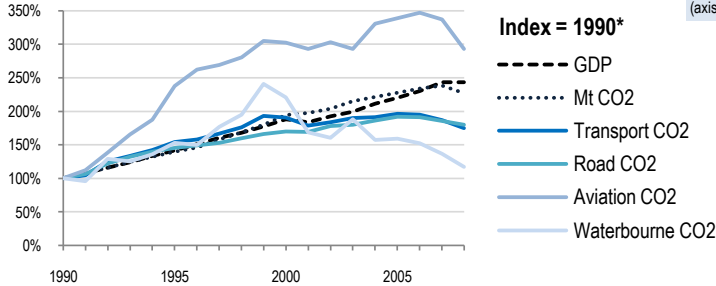
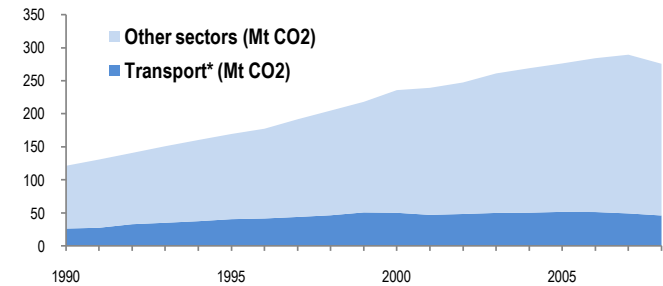
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	1140.89	1211.01	1269.31	1278.56	1287.14	1295.13	1302.94	1310.53	1317.88	1325.24	1332.62	17%	0.87%	0.56%
GDP PPP (billion 2000 US dollars)	1964.86	3444.79	5150.25	5564.06	6057.61	6650.84	7319.56	8074.15	9000.93	10155.87	11053.70	463%	10.07%	8.84%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Passenger cars per 1000 inhabitants	1	3	7	..	8	10	12	15	18	22	..	..	19.94%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	2259.61	3046.05	3110.96	3160.66	3389.99	3918.83	4655.74	5171.49	5719.49	6151.52	6618.39	193%	6.15%	7.59%
... of which transport CO2 (Mt)*	136.29	182.62	262.6	268.21	283.96	320.19	373.43	400.49	441.41	487.51	524.85	285%	7.78%	7.66%
Transport* as a percentage of total	6.0%	6.0%	8.4%	8.5%	8.4%	8.2%	8.0%	7.7%	7.7%	7.9%	7.9%			
Road (Mt)	65.53	103.75	147.75	150.86	157.79	175.2	206.07	228.05	253.63	280.49	334.39	410%	9.48%	19.22%
Rail (Mt)	44.77	35.59	45.68	45.06	46.31	52.77	40.75	43.86	44.33	46.42	32.28	-28%	-1.80%	-30.46%
Domestic Aviation (Mt)	2.06	6.43	14.31	14.16	15.48	15.71	20.78	22.42	25.33	28.37	30.09	1361%	16.06%	6.06%
International Aviation (Mt)	6.12	10.2	10.43	11.11	13.47	12.73	17.93	20.9	21.31	21.15	20.19	230%	6.86%	-4.54%
Domestic Navigation (Mt)	8.48	12.53	21.27	22.11	22.94	28.58	26.56	28.76	31.61	36.95	38.42	353%	8.76%	3.98%
International Shipping (Mt)	9.11	13.78	22.74	24.45	27.92	34.04	49.22	42.27	48.91	54.70	47.71	424%	9.64%	-12.78%
Other Transport (Mt)	0.22	0.35	0.42	0.46	0.06	1.17	12.12	14.23	16.29	19.43	21.76	9791%	29.08%	11.99%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Chinese Taipei



Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,	Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	127%	275.72,	101%	12.03,	-7%	0.43,		-4.7%
Transport CO ₂	75%	46.06,	55%	2.01,	-28%	0.07,		-6.3%
Road CO ₂	80%	33.37,	59%	1.46,	-26%	0.05,		-3.2%
Aviation CO ₂	193%	6.13,	160%	0.27,	20%	0.01,		-13.0%
Waterbourne CO ₂	17%	6.47,	4%	0.28,	-52%	0.01,		-14.3%



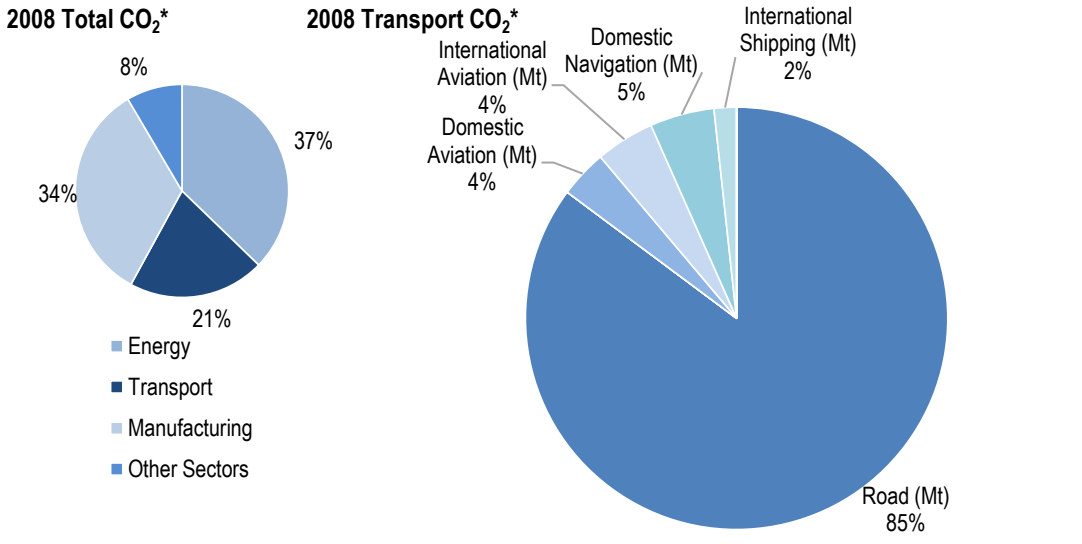
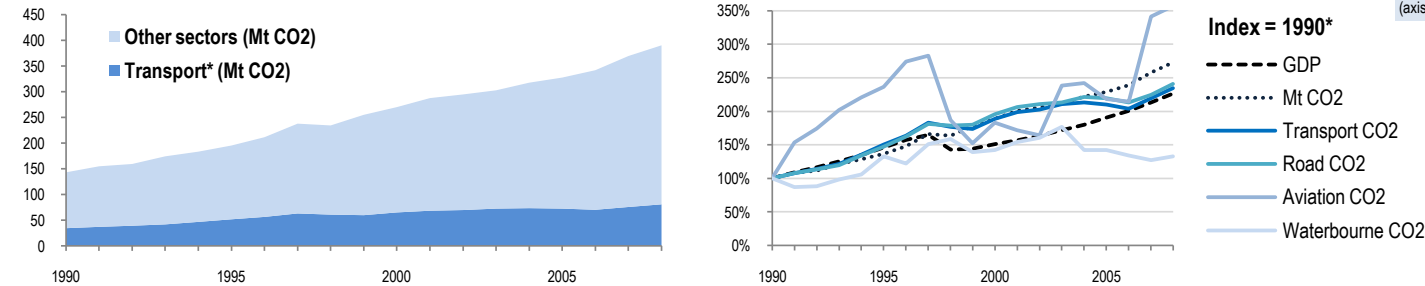
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	20.28	21.29	22.18	22.34	22.45	22.54	22.62	22.70	22.78	22.86	22.92	13%	0.68%	0.26%
GDP PPP (billion 2000 US dollars)	261.44	370.83	491.35	480.69	502.99	520.60	552.62	575.11	602.02	636.32	637.10	144%	5.07%	0.12%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Passenger cars per 1000 inhabitants	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	121.31	169.44	235.83	239.31	247.42	261.08	268.97	276.22	284.15	289.44	275.72	127%	4.67%	-4.74%
... of which transport CO2 (Mt)*	26.29	40.52	50.13	47.01	48.33	49.96	50.3	51.57	51.3	49.17	46.06	75%	3.16%	-6.32%
Transport* as a percentage of total	21.7%	23.9%	21.3%	19.6%	19.5%	19.1%	18.7%	18.7%	18.1%	17.0%	16.7%			
Road (Mt)	18.55	26.96	31.47	31.45	33	33.33	34.6	35.57	35.52	34.47	33.37	80%	3.32%	-3.19%
Rail (Mt)	0.13	0.14	0.12	0.12	0.12	0.11	0.1	0.1	0.1	0.09	0.09	-31%	-2.02%	0.00%
Domestic Aviation (Mt)	0.3	0.88	0.94	0.86	0.79	0.66	0.67	0.62	0.54	0.41	0.41	37%	1.75%	0.00%
International Aviation (Mt)	1.79	4.09	5.38	5.26	5.54	5.46	6.24	6.46	6.72	6.64	5.72	220%	6.67%	-13.86%
Domestic Navigation (Mt)	0.67	0.88	1.2	1.34	1.18	0.95	1.05	1.1	1.03	0.93	0.76	13%	0.70%	-18.28%
International Shipping (Mt)	4.86	7.57	11.02	7.98	7.69	9.45	7.64	7.72	7.39	6.62	5.71	17%	0.90%	-13.75%
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Indonesia



Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	173%	390.42	113%	1.71	20%	0.43	5.6%
Transport CO ₂	135%	80.95	83%	0.35	4%	0.09	6.8%
Road CO ₂	141%	68.96	88%	0.30	6%	0.08	7.2%
Aviation CO ₂	257%	6.61	179%	0.03	58%	0.01	4.6%
Waterbourne CO ₂	33%	5.38	3%	0.02	-41%	0.01	4.3%



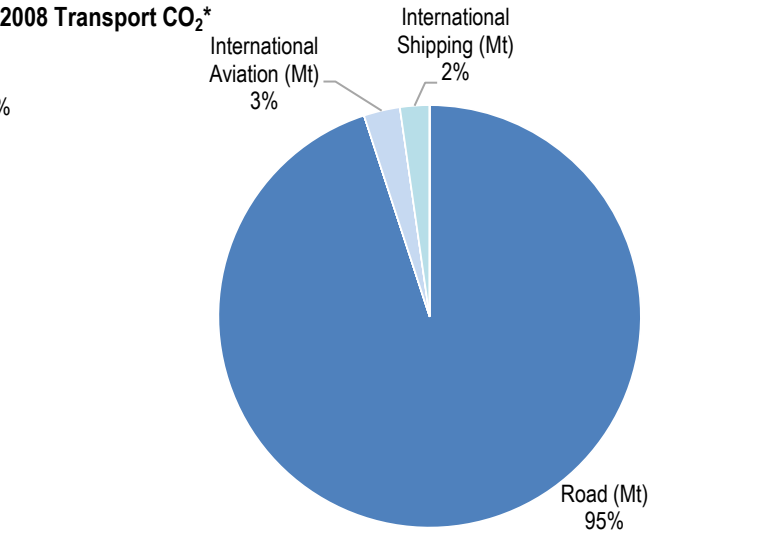
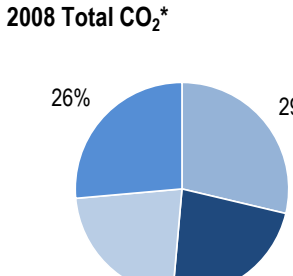
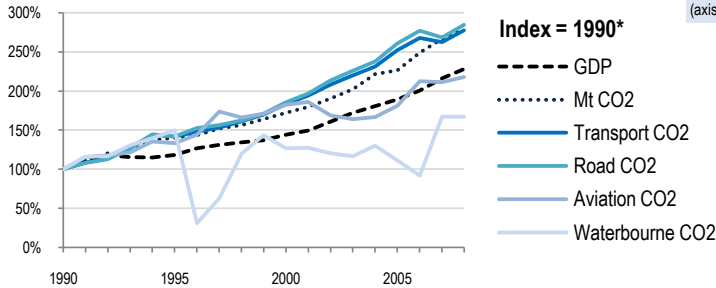
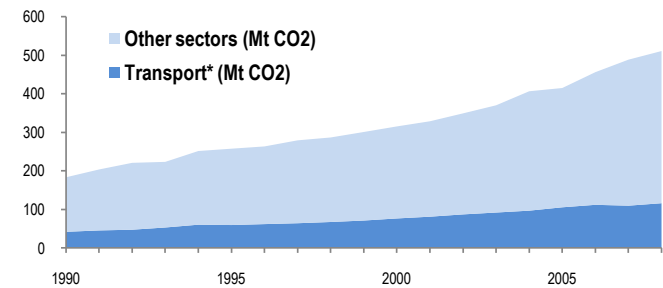
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	178.23	192.75	206.27	209.01	211.82	214.67	217.59	220.56	223.04	225.63	228.25	28%	1.38%	1.16%
GDP PPP (billion 2000 US dollars)	396.38	578.79	599.27	621.10	649.05	680.07	714.29	754.95	796.48	846.48	897.80	126%	4.65%	6.06%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Passenger cars per 1000 inhabitants	7	11	..	..	..	..	..	..	..	42	..	..	11.12%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	143.18	195.41	270.12	287.67	294.78	302.83	317.67	327.63	342	369.61	390.42	173%	5.73%	5.63%
... of which transport CO2 (Mt)*	34.51	51.81	65.18	68.51	69.82	72.64	73.52	72.61	70.36	75.79	80.95	135%	4.85%	6.81%
Transport* as a percentage of total	24.1%	26.5%	24.1%	23.8%	23.7%	24.0%	23.1%	22.2%	20.6%	20.5%	20.7%	..	..	..
Road (Mt)	28.6	42.03	56.01	59.08	60.26	61.05	63.27	62.8	60.94	64.31	68.96	141%	5.01%	7.23%
Rail (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Domestic Aviation (Mt)	0.89	2.6	1.87	1.63	1.39	1.93	2.05	1.81	1.78	2.83	2.96	233%	6.90%	4.59%
International Aviation (Mt)	0.96	1.78	1.52	1.55	1.65	2.48	2.43	2.23	2.19	3.49	3.65	280%	7.70%	4.58%
Domestic Navigation (Mt)	2.38	4.12	5.41	5.98	5.93	5.65	4.66	4.6	4.22	3.85	3.99	68%	2.91%	3.64%
International Shipping (Mt)	1.68	1.28	0.36	0.27	0.59	1.53	1.12	1.17	1.23	1.31	1.39	-17%	-1.05%	6.11%
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Islamic Republic of Iran

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF	510.8 Mt
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Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	179%	510.84	111%	7.10	22%	0.87	4.6%
Transport CO ₂	178%	116.04	110%	1.61	22%	0.20	5.8%
Road CO ₂	184%	110.21	115%	1.53	25%	0.19	6.1%
Aviation CO ₂	118%	3.22	64%	0.04	-5%	0.01	2.9%
Waterbourne CO ₂	67%	2.61	26%	0.04	-27%	0.00	0.0%



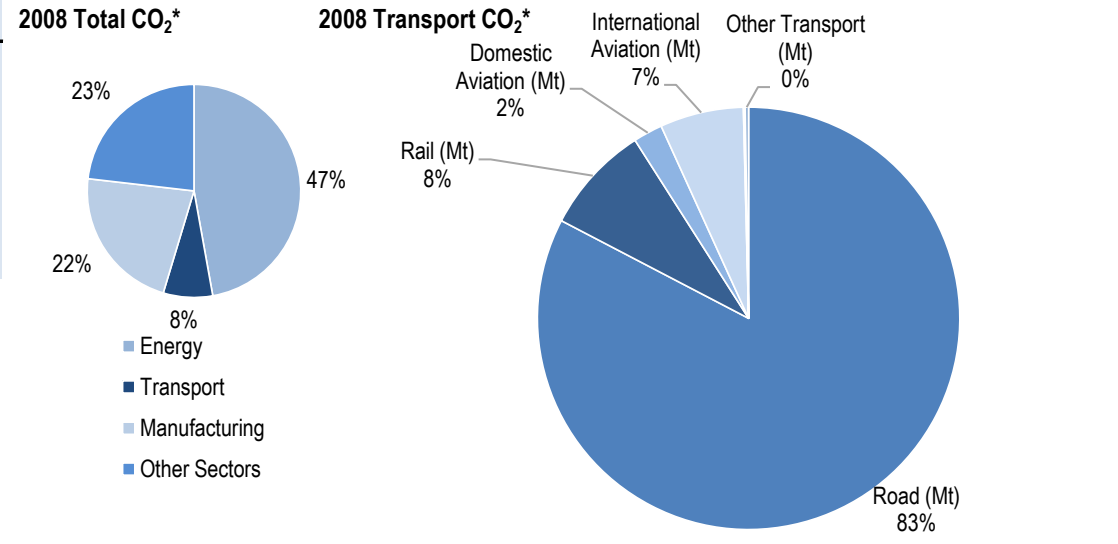
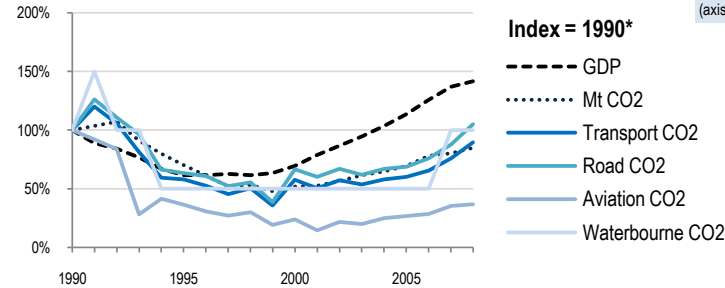
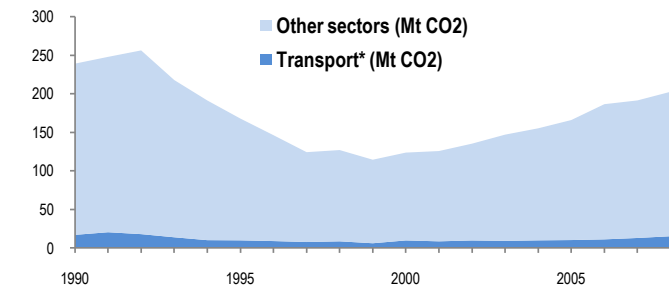
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	54.40	58.95	63.94	64.98	66.01	67.04	68.07	69.09	70.10	71.02	71.96	32%	1.57%	1.32%
GDP PPP (billion 2000 US dollars)	256.54	303.18	369.66	383.22	412.02	441.34	463.77	485.22	513.81	554.02	585.04	128%	4.69%	5.60%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Passenger cars per 1000 inhabitants	25	29	18	19	24	..	..	..	..	13	..	..	-3.77%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	183.27	257.45	315.28	328.66	349.09	370.05	406.46	414.96	456.01	488.51	510.84	179%	5.86%	4.57%
... of which transport CO2 (Mt)*	41.79	59.36	76.51	81.03	87.01	91.84	96.71	105.44	111.88	109.65	116.04	178%	5.84%	5.83%
Transport* as a percentage of total	22.8%	23.1%	24.3%	24.7%	24.9%	24.8%	23.8%	25.4%	24.5%	22.4%	22.7%	..	..	..
Road (Mt)	38.75	55.05	71.83	76.29	82.63	87.59	92.21	101.03	107.31	103.91	110.21	184%	5.98%	6.06%
Rail (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	1.48	1.97	2.7	2.75	2.5	2.43	2.47	2.68	3.14	3.13	3.22	118%	4.41%	2.88%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	1.56	2.34	1.98	1.99	1.88	1.82	2.03	1.73	1.43	2.61	2.61	67%	2.90%	0.00%
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Kazakhstan

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF	202.6 Mt
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Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	-15% 202.6 -12% 12.92 -40% 1.54 5.9%							
Transport CO ₂	-11% 15.17 -7% 0.97 -37% 0.12 17.6%							
Road CO ₂	5% 12.53 9% 0.80 -26% 0.10 19.6%							
Aviation CO ₂	-63% 1.31 -62% 0.08 -74% 0.01 4.0%							
Waterbourne CO ₂	0% 0.02 4% 0.00 -29% 0.00 0.0%							



Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	16.35	15.82	14.88	14.86	14.86	14.91	15.01	15.15	15.31	15.48	15.68	-4%	-0.23%	1.29%
GDP PPP (billion 2000 US dollars)	93.16	57.20	64.67	73.40	80.60	88.09	96.55	105.91	117.25	127.68	131.77	41%	1.95%	3.20%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Passenger cars per 1000 inhabitants	50	64	67	71	72	77	80	93	114	141	..	..	6.29%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	239.09	167.8	123.67	125.68	135.27	146.98	155.18	165.9	186.5	191.38	202.6	-15%	-0.92%	5.86%
... of which transport CO2 (Mt)*	16.96	9.84	9.74	8.56	9.7	9.12	9.83	10.2	11.11	12.9	15.17	-11%	-0.62%	17.60%
Transport* as a percentage of total	7.1%	5.9%	7.9%	6.8%	7.2%	6.2%	6.3%	6.1%	6.0%	6.7%	7.5%	..	..	..
Road (Mt)	11.95	7.56	7.94	7.18	7.99	7.4	8	8.21	9.07	10.48	12.53	5%	0.26%	19.56%
Rail (Mt)	1.41	0.97	0.92	0.82	0.91	0.97	0.9	0.98	0.97	1.11	1.26	-11%	-0.62%	13.51%
Domestic Aviation (Mt)	0.89	0.52	0.51	0.15	0.21	0.19	0.24	0.25	0.27	0.33	0.34	-62%	-5.21%	3.03%
International Aviation (Mt)	2.68	0.78	0.34	0.37	0.56	0.52	0.65	0.7	0.75	0.93	0.97	-64%	-5.49%	4.30%
Domestic Navigation (Mt)	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0%	0.00%	0.00%
International Shipping (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Other Transport (Mt)	0	0	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.04	..	5.48%	33.33%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Malaysia

EU-27	N. America	Asia-Pacific	Other ITF or OECD	Top 10 non-ITF	187.3 Mt
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Change 1990-2008*	Mt (axis set -50%,100%)	2008	T/capita	2008	Kg/\$2000 PPP	2008	2007-2008	(%Mt)
Total CO ₂	266%	187.32	146%	6.94	24%	0.62	6.1%	
Transport CO ₂	194%	48.59	97%	1.80	0%	0.16	4.3%	
Road CO ₂	190%	41.47	94%	1.54	-2%	0.14	5.0%	
Aviation CO ₂	223%	6.26	116%	0.23	9%	0.02	-2.0%	
Waterbourne CO ₂	-32%	0.19	-54%	0.01	-77%	0.00	-9.5%	

200

500%

(axis set -10%,10%)

2008 Total CO₂*

23%

3%

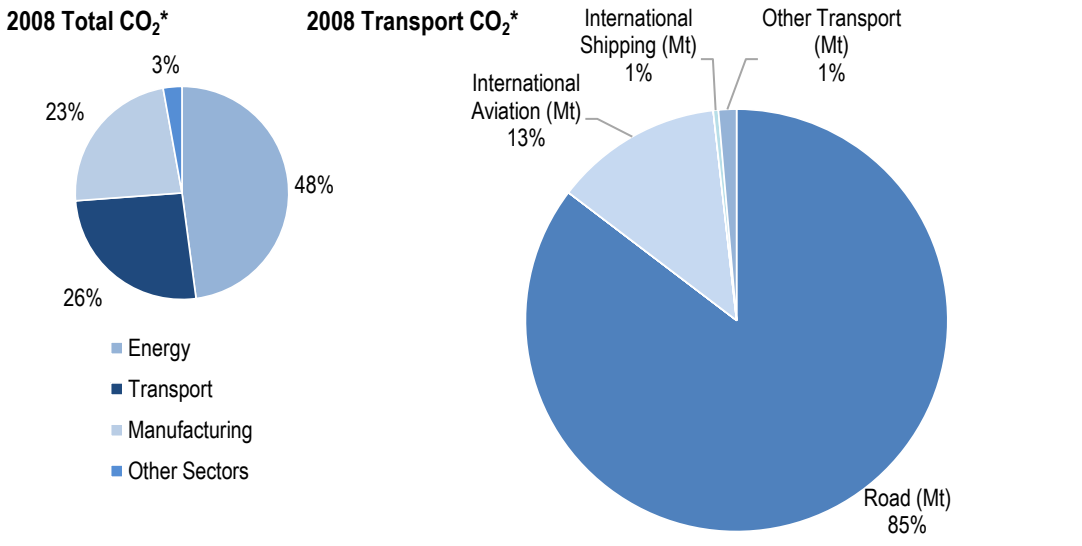
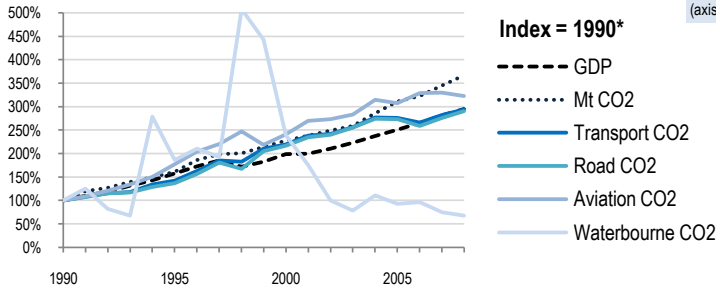
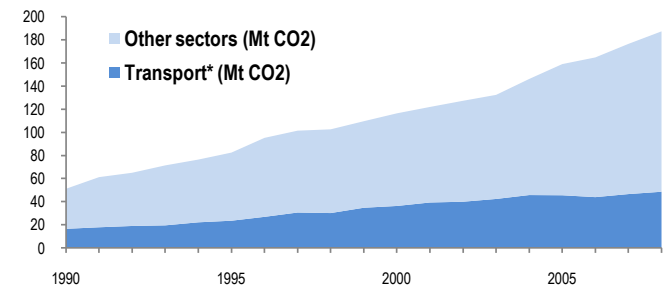
48%

2008 Transport CO₂*

International Shipping (Mt) 1%

Other Transport (Mt) 1%

International Aviation (Mt) 13%



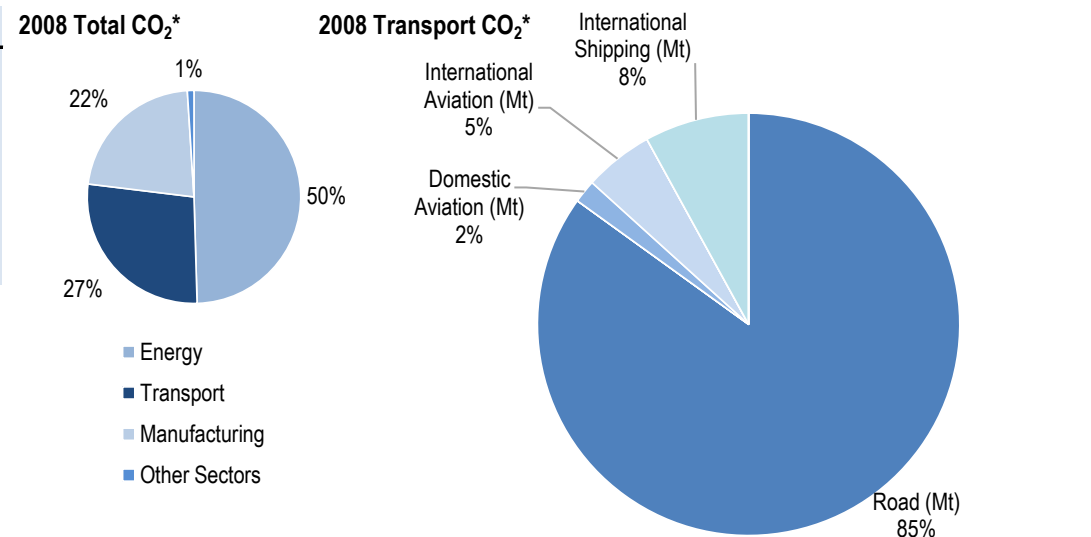
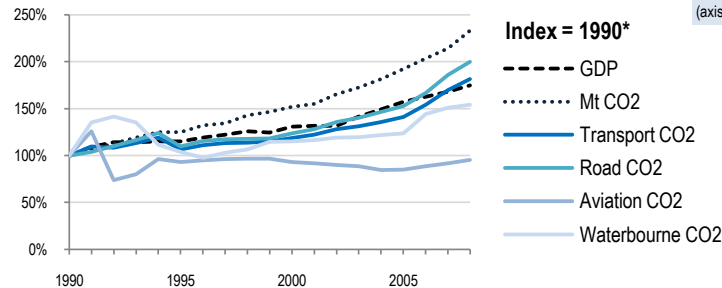
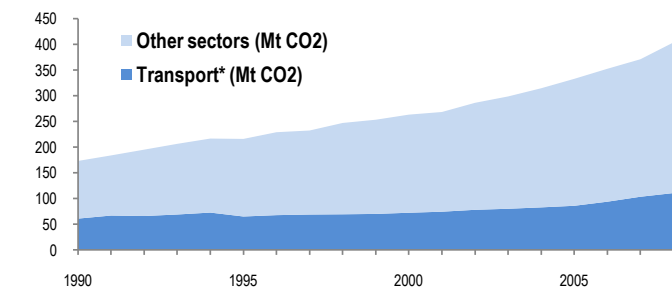
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	18.10	20.59	23.27	23.78	24.26	24.73	25.19	25.65	26.11	26.55	26.99	49%	2.24%	1.66%
GDP PPP (billion 2000 US dollars)	103.05	162.02	204.74	205.80	216.89	229.45	245.01	258.08	272.98	290.31	303.78	195%	6.19%	4.64%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Passenger cars per 1000 inhabitants	101	127	183	197	211	225	..	..	..	..	..	..	6.36%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	51.14	82.45	116.4	121.94	127.25	132.39	146.12	159	164.77	176.5	187.32	266%	7.48%	6.13%
... of which transport CO2 (Mt)*	16.52	23.53	36.29	39.29	39.97	42.36	45.72	45.55	43.94	46.58	48.59	194%	6.18%	4.32%
Transport* as a percentage of total	32.3%	28.5%	31.2%	32.2%	31.4%	32.0%	31.3%	28.6%	26.7%	26.4%	25.9%	..	..	..
Road (Mt)	14.3	19.57	30.94	33.54	34.33	36.55	39.18	39.13	37.04	39.48	41.47	190%	6.09%	5.04%
Rail (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	1.94	3.44	4.67	5.23	5.3	5.5	6.1	5.96	6.38	6.39	6.26	223%	6.72%	-2.03%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	0.28	0.52	0.67	0.49	0.28	0.22	0.31	0.26	0.27	0.21	0.19	-32%	-2.13%	-9.52%
Other Transport (Mt)	0	0	0.01	0.03	0.06	0.08	0.13	0.2	0.25	0.5	0.67	..	69.15%	34.00%
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

Saudi Arabia

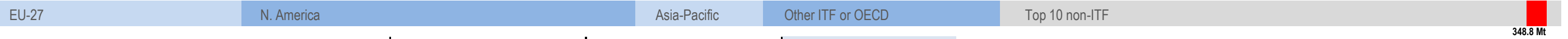


Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,	Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	133%	403.87	55%	16.38	33%	1.08		8.8%
Transport CO ₂	82%	110.67	21%	4.49	4%	0.29		6.9%
Road CO ₂	100%	94.01	33%	3.81	14%	0.25		7.6%
Aviation CO ₂	-5%	7.81	-37%	0.32	-45%	0.02		3.9%
Waterbourne CO ₂	54%	8.85	2%	0.36	-12%	0.02		2.2%

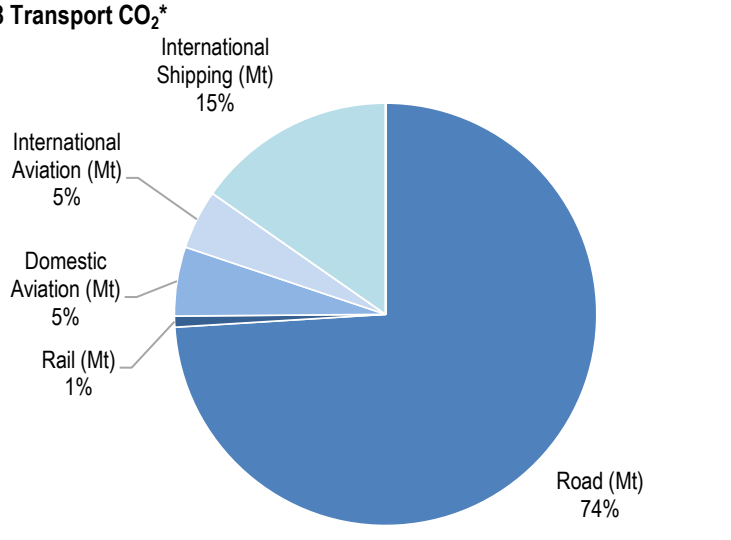
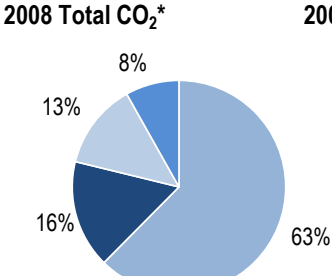
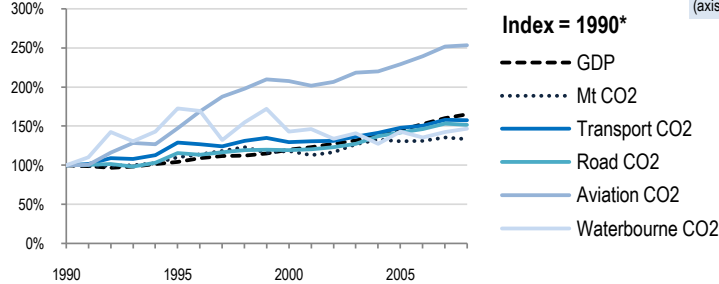
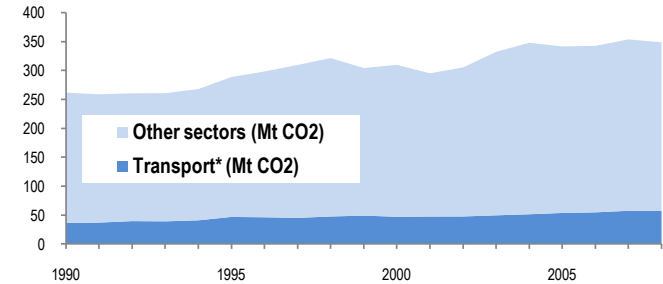
[illegible]

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

South Africa



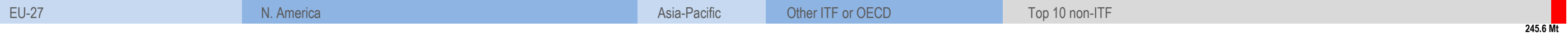
Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	33%	348.76	-4%	7.16	-19%	0.66	-1.4%
Transport CO ₂	58%	57.15	14%	1.17	-5%	0.11	-0.3%
Road CO ₂	51%	42.3	9%	0.87	-8%	0.08	-1.1%
Aviation CO ₂	153%	5.62	83%	0.12	53%	0.01	0.5%
Waterbourne CO ₂	47%	8.74	6%	0.18	-11%	0.02	3.1%



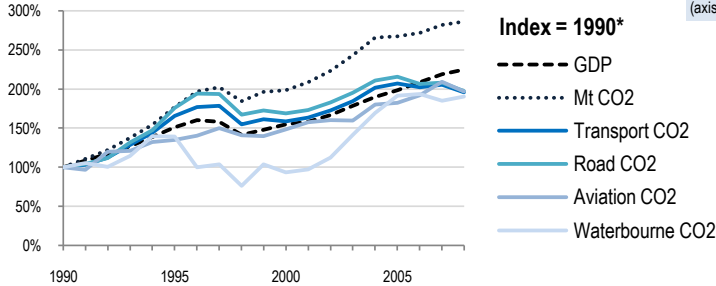
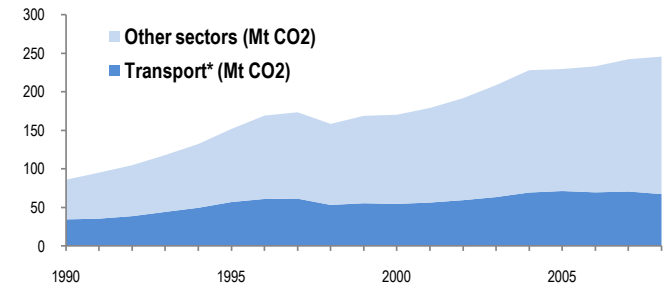
Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	35.20	39.12	44.00	44.81	45.25	45.80	46.35	46.89	47.39	47.85	48.69	38%	1.82%	1.76%
GDP PPP (billion 2000 US dollars)	321.98	336.11	385.64	396.19	410.72	423.53	444.13	466.18	490.99	516.02	531.82	65%	2.83%	3.06%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Passenger cars per 1000 inhabitants	97	97	87	87	92	..	93	98	103	108	..	..	0.63%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	261.71	288.77	309.8	295.16	305.32	332.21	347.95	341.63	342.62	353.78	348.76	33%	1.61%	-1.42%
... of which transport CO2 (Mt)*	36.28	46.68	46.96	47.39	47.47	49.45	51.3	53.57	54.64	57.33	57.15	58%	2.56%	-0.31%
Transport* as a percentage of total														
Road (Mt)	27.93	32.3	33.25	33.64	34.29	35.63	38.32	39.57	40.83	42.79	42.3	51%	2.33%	-1.15%
Rail (Mt)	0.18	0.8	0.57	0.55	0.64	0.6	0.53	0.39	0.43	0.47	0.48	167%	5.60%	2.13%
Domestic Aviation (Mt)	1.13	1.69	1.82	1.88	2.01	2.32	2.6	2.88	2.87	3.04	3.02	167%	5.61%	-0.66%
International Aviation (Mt)	1.09	1.58	2.79	2.6	2.57	2.53	2.28	2.21	2.44	2.55	2.6	139%	4.95%	1.96%
Domestic Navigation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Shipping (Mt)	5.95	10.28	8.51	8.71	7.96	8.37	7.56	8.52	8.07	8.48	8.74	47%	2.16%	3.07%
Other Transport (Mt)	0	0.02	0.02	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

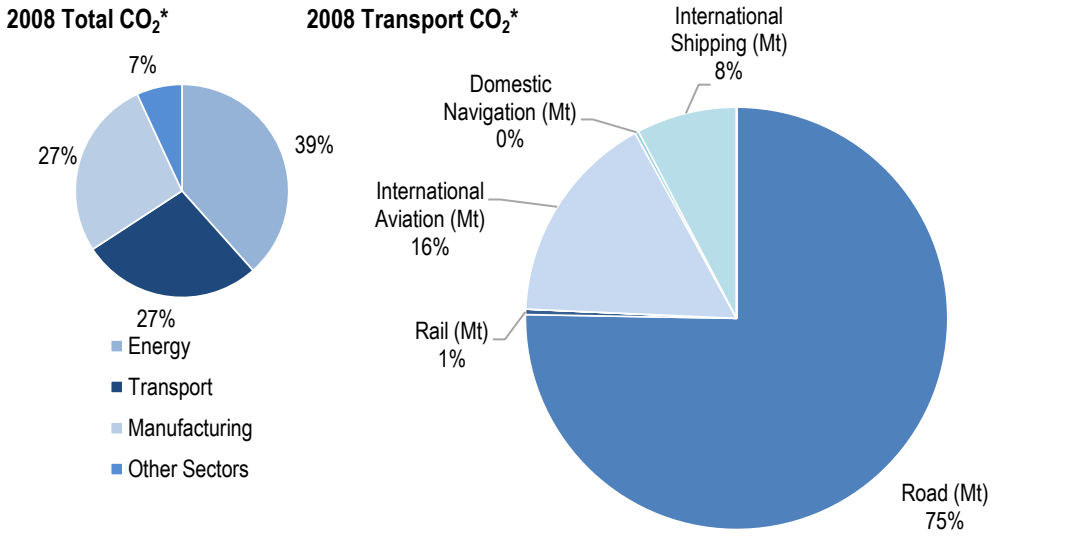
Thailand



Change 1990-2008*	Mt (axis set -50%,100%)	2008,	T/capita	2008,Kg/\$2000 PPP	2008,	2007-2008	(%Mt)
Total CO ₂	186%	245.63	141%	3.64	27%	0.44	1.4%
Transport CO ₂	96%	67.28	64%	1.00	-13%	0.12	-4.7%
Road CO ₂	97%	50.65	66%	0.75	-12%	0.09	-5.2%
Aviation CO ₂	97%	10.98	65%	0.16	-12%	0.02	-5.9%
Waterbourne CO ₂	90%	5.37	60%	0.08	-15%	0.01	2.9%



(axis set -10%,10%)



Transport and the Economy	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	1990-2008	%/year**	% 2007-2008
Population (millions)	56.67	60.14	62.35	62.99	63.73	64.52	65.28	65.95	66.51	66.98	67.39	19%	0.97%	0.61%
GDP PPP (billion 2000 US dollars)	251.14	379.77	388.38	396.79	417.89	447.73	476.14	498.06	524.09	549.91	564.09	125%	4.60%	2.58%
Road passenger km (million pkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm (million tkm)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road pkm/capita	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road and Rail freight tkm/\$ gdp	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Passenger cars per 1000 inhabitants	14	25	43	46	52	54	..	..	..	..	..	..	10.94%	..
CO2 Emissions														
IEA CO2 from fuel combustion (Mt)*	85.87	151.79	170.19	178.99	191.63	208.65	227.97	229.46	233.05	242.25	245.63	186%	6.01%	1.40%
... of which transport CO2 (Mt)*	34.4	56.92	54.48	56.28	59.34	63.36	69.27	71.22	69.5	70.59	67.28	96%	3.80%	-4.69%
Transport* as a percentage of total	40.1%	37.5%	32.0%	31.4%	31.0%	30.4%	30.4%	31.0%	29.8%	29.1%	27.4%	..	..	..
Road (Mt)	25.67	45.13	43.27	44.43	46.87	50.14	54.15	55.36	53.04	53.41	50.65	97%	3.85%	-5.17%
Rail (Mt)	0.32	0.35	0.3	0.31	0.36	0.33	0.29	0.3	0.3	0.29	0.28	-13%	-0.74%	-3.45%
Domestic Aviation (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
International Aviation (Mt)	5.58	7.51	8.27	8.8	8.94	8.9	10.05	10.17	10.7	11.67	10.98	97%	3.83%	-5.91%
Domestic Navigation (Mt)	1.12	0.91	0.18	0.18	0.2	0.22	0.25	0.21	0.2	0.16	0.19	-83%	-9.39%	18.75%
International Shipping (Mt)	1.70	3.02	2.46	2.56	2.97	3.77	4.53	5.18	5.26	5.06	5.18	205%	6.39%	2.37%
Other Transport (Mt)	0	0	0	0	0	0	0	0	0	0	0	..	..	..
GHG Emissions														
UNFCCC GHG emissions (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UNFCCC GHG fuel combustion (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
... of which transport GHG (Mt CO2 eq.)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Road (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Aviation (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
International Shipping (Mt)	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* includes emissions from international aviation and international maritime bunkers - there is no internationally agreed allocation mechanism for these and totals here are indicative of the scale of these emissions, not of their national "ownership" ** available yrs.

