

Indicatori ambientali dei trasporti e focus sulla CO2

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TERM (Transport and Environment Reporting Mechanism)

		2000–2004	2005–2009	2010–2012
TERM 01	Transport final energy consumption by mode	x x x x x	x x x x x	x x x
TERM 02	Transport emissions of greenhouse gases	x x x x	x x x x x	x x x
TERM 03	Transport emissions of air pollutants	x x x x x	x x x x x	x x x
TERM 04	Exceedances of air quality objectives due to traffic	x x x x x	x x x x x	x x x
TERM 05	Exposure to and annoyance by traffic noise	x x		x x
TERM 06	Fragmentation of ecosystems and habitats by transport infrastructure	x x x		x
TERM 07	Proximity of transport infrastructure to designated areas	x x		
TERM 08	Land take by transport infrastructure	x x x		
TERM 09	Transport accident fatalities	x x x x x	x x x	x
TERM 10	Accidental and illegal discharges of oil at sea	x x x		
TERM 11	Waste oil and tires from vehicles	x		
TERM 11a	Waste from road vehicles (ELV)	x x x		
TERM 12a/b	Passenger transport volume and modal split (CSI 035)	x x x x x	x x x x x	x x x
TERM 13a/b	Freight transport volume and modal split (CSI 036)	x x x x x	x x x x x	x x x
TERM 14	Access to basic services	x x x		
TERM 15	Regional accessibility of markets and cohesion	x x		
TERM 16	Access to transport services	x x		
TERM 18	Capacity of infrastructure networks	x x x x x	x x	x x
TERM 19	Infrastructure investments	x x x	x x	x x
TERM 20	Real change in transport prices by mode	x x x x	x x x	x x x
TERM 21	Fuel prices and taxes	x x x x x	x x x x x	x x x
TERM 22	Transport taxes and charges	x x x	x x x x	
TERM 23	Subsidies		x	
TERM 24	Expenditure on personal mobility by income group	x x	x x x	x x
TERM 25	External costs of transport	x x x x x	x x x	
TERM 26	Internalisation of external costs	x x x x x	x x x	x
TERM 27	Energy efficiency and specific CO ₂ emissions	x x x	x x x x	x x x
TERM 28	Specific air pollutant emissions	x x x	x x x x	x x x
TERM 29	Occupancy rates of passenger vehicles	x x x x	x x x	x
TERM 30	Load factors for freight transport	x x x	x x x	x
TERM 31	Uptake of cleaner and alternative fuels (CSI 037)	x x x x x	x x x x x	x x x
TERM 32	Size of the vehicle fleet	x x x x x	x x x	x x x
TERM 33	Average age of the vehicle fleet	x x x x	x x x x	x x x
TERM 34	Proportion of vehicle fleet meeting certain emission standards	x x x x x	x x x	x x x
TERM 35	Proportion of first-time buyers			

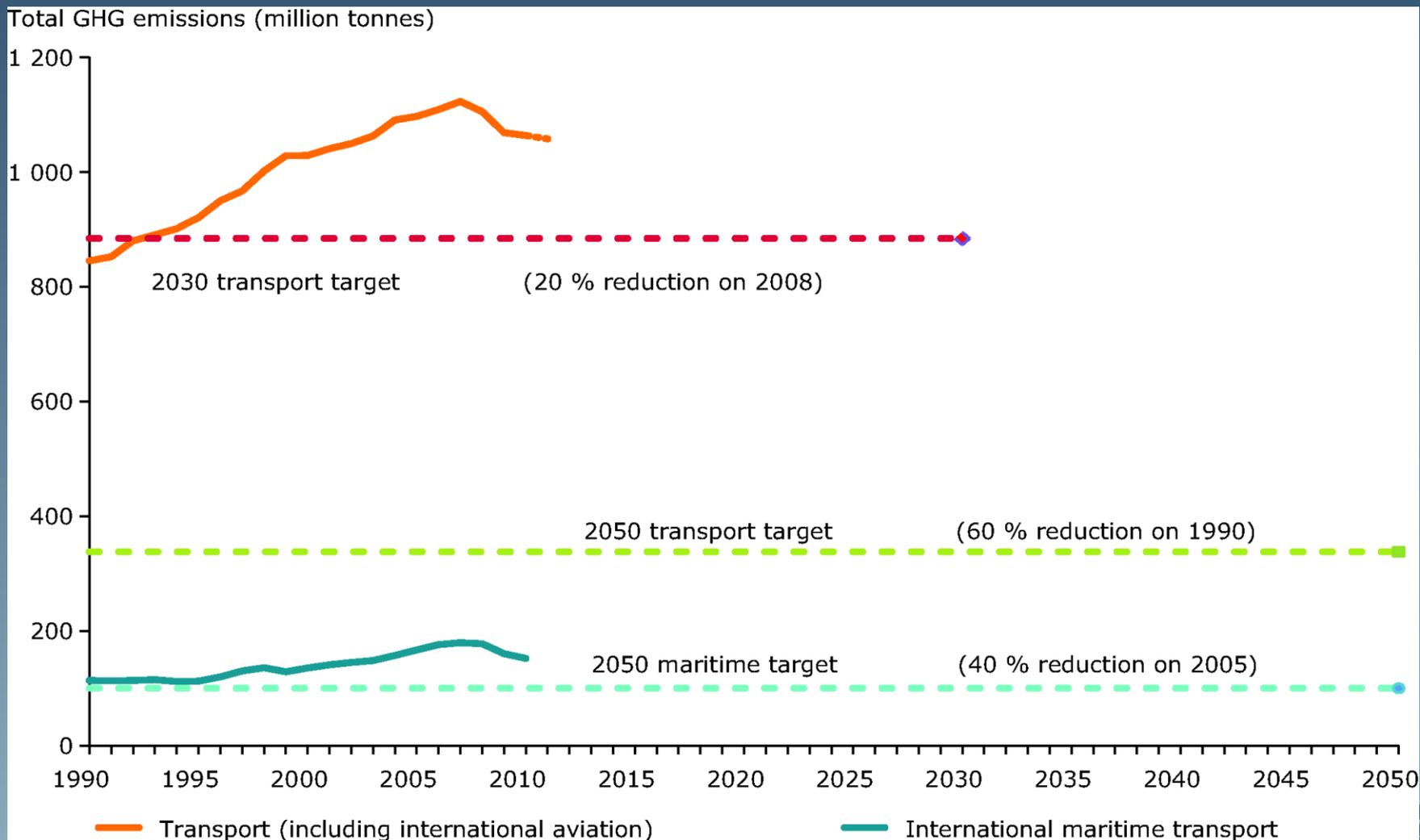
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	Source	Target	Unit	Where we were		Where we want to be		Latest annual trend
				Base year		Target		
				Year	Value	Year	Value	
Key target	2050 Roadmap (EC, 2011b) & Transport White Paper (EC, 2011a), 2050	Transport GHG (including international aviation, excluding international maritime shipping)	Mt CO2	2008	1,105	2030	884 (-20%)	-0.4%
				1990	845	2050	338 (-60%)	
Indicative goals	Transport White Paper (EC, 2011a)	EU CO2 emissions of maritime bunker fuels	Mt CO2	2005	167	2050	100 (-40%)	-5.1%
	Passenger Car CO2 EC Regulation 443/2009 (EC, 2009a)	Target average type-approval emissions for new passenger cars	gCO2/km	2010	140	2015 2020	130 95	-3.3%
	Impact assessment-accompanying document to the White Paper. (EC, 2011d)	Reduction of transport oil consumption	ktoe	2009	412,456	2050	123 737 (-70%)	-0.3%
	Renewable Energy Directive 2009/28/EC (EC, 2009b)	10 % share of renewable energy in the transport sector final energy consumption for each Member State (here EU-27 average as a proxy)	%	2009	4.20%	2020	10.00%	11.9%



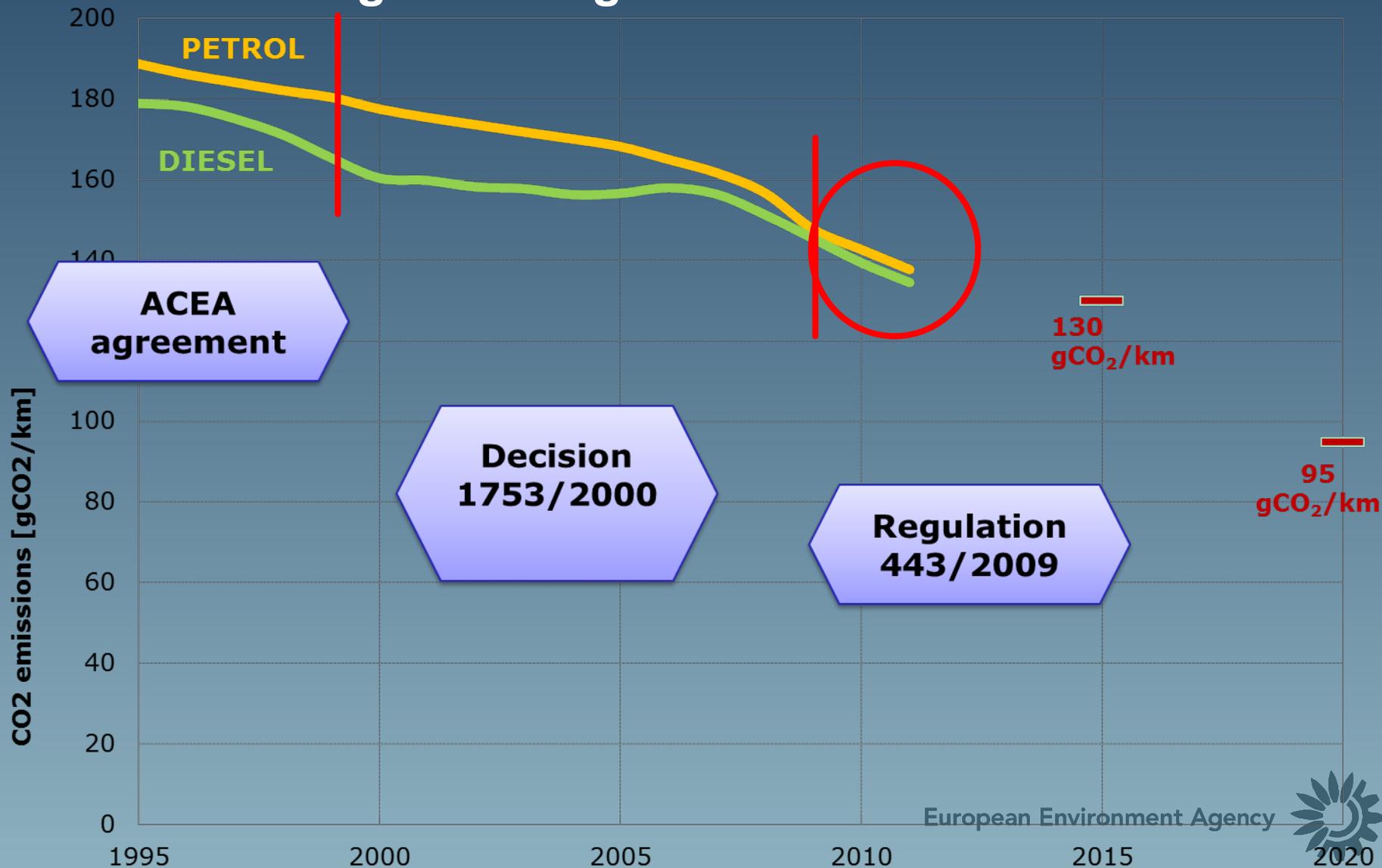
INDICATORE: Emissioni di GHG

Obiettivo: -60% rispetto al 1990, -20% rispetto al 2008

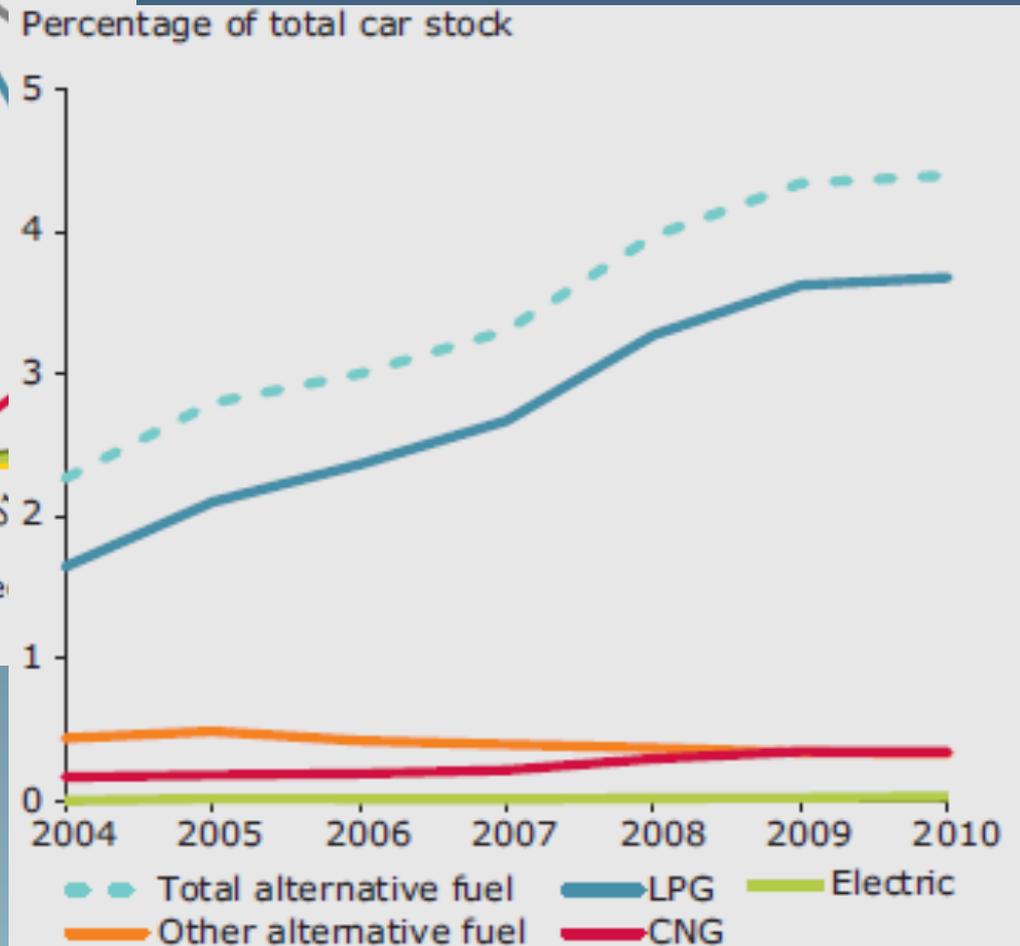
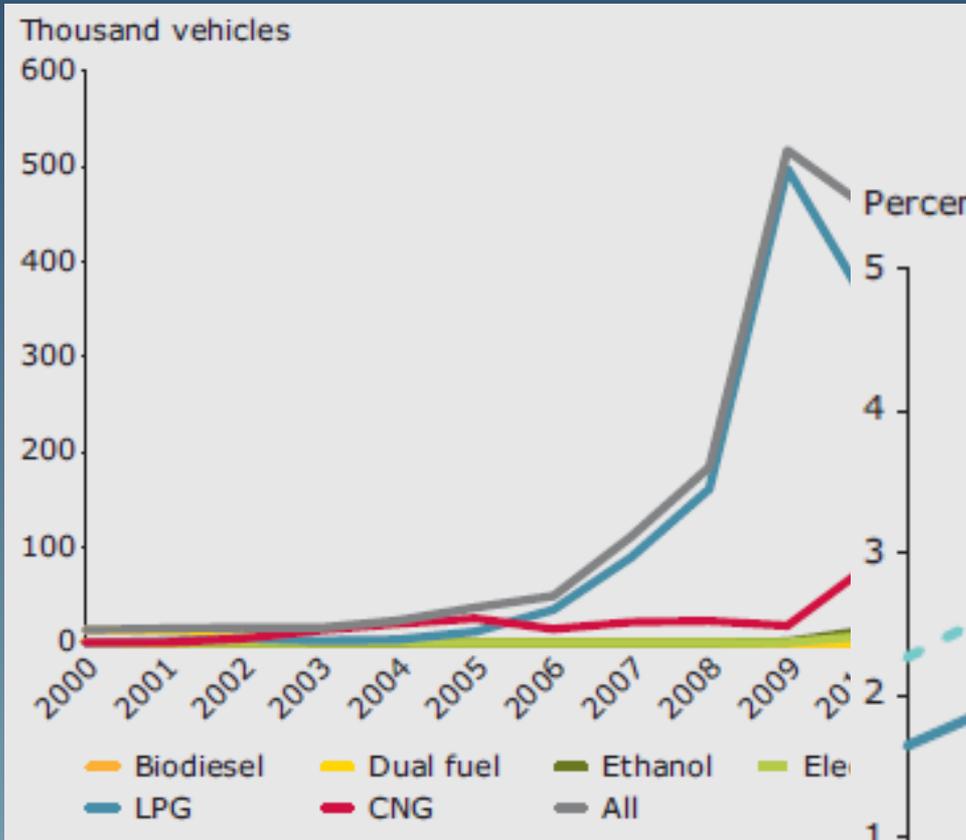


INDICATORE: Emissioni di CO2 degli autoveicoli

Obiettivo: 130g/km – 95 g/km

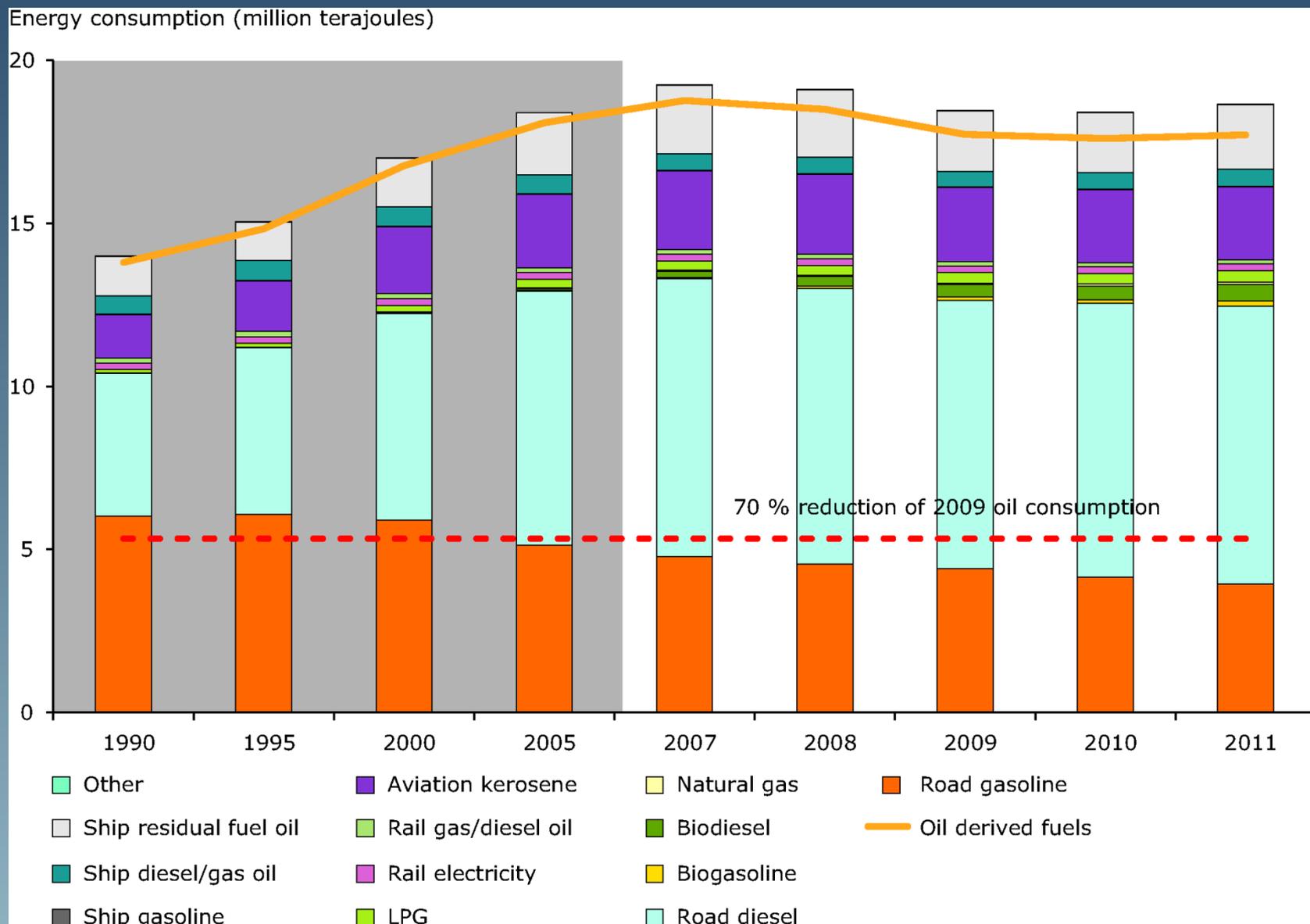


INDICATORE: Combustibili alternativi



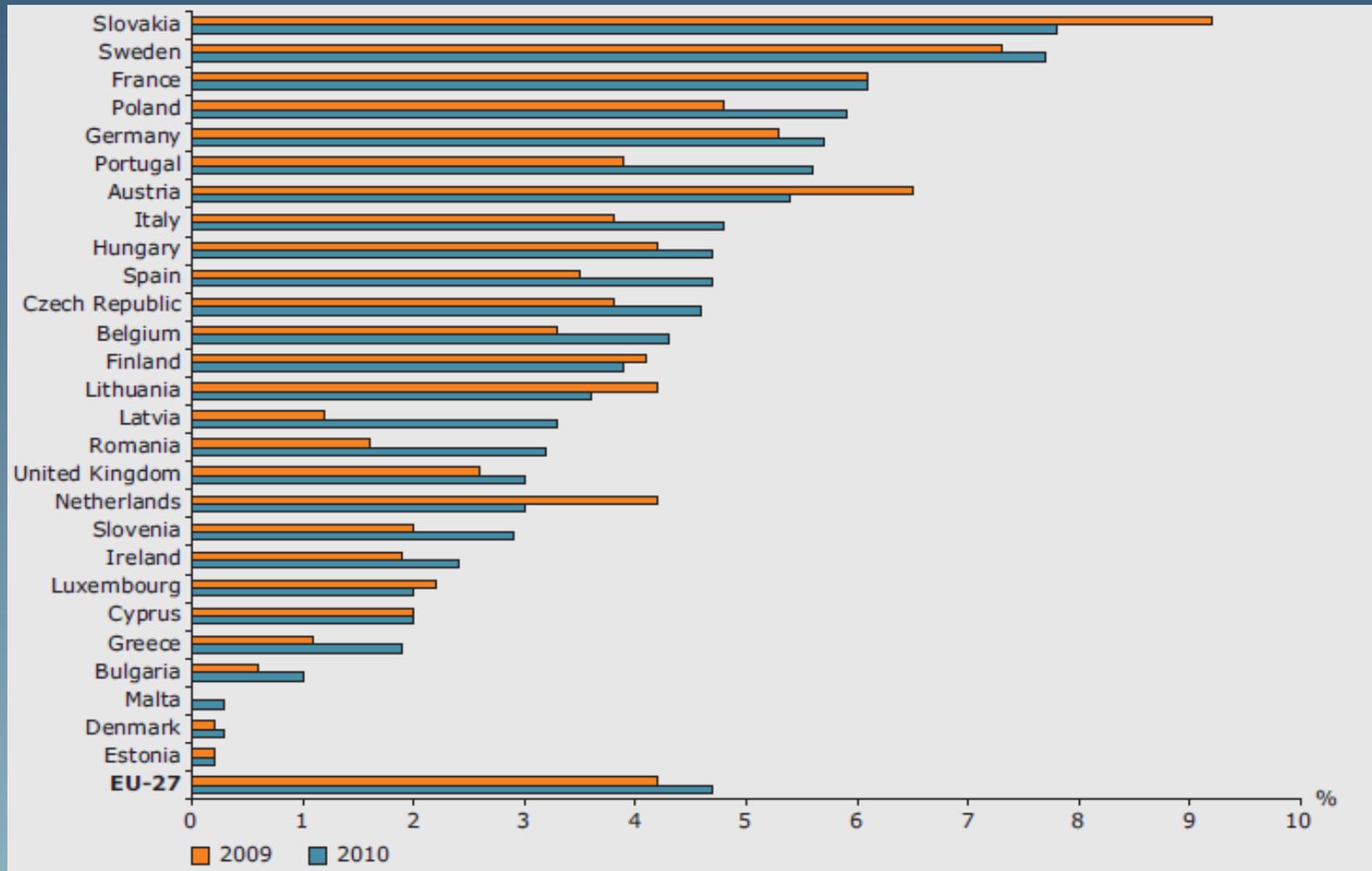
INDICATORE : Consumo di energia

Obiettivo: -70% olio combustibile rispetto al 2009

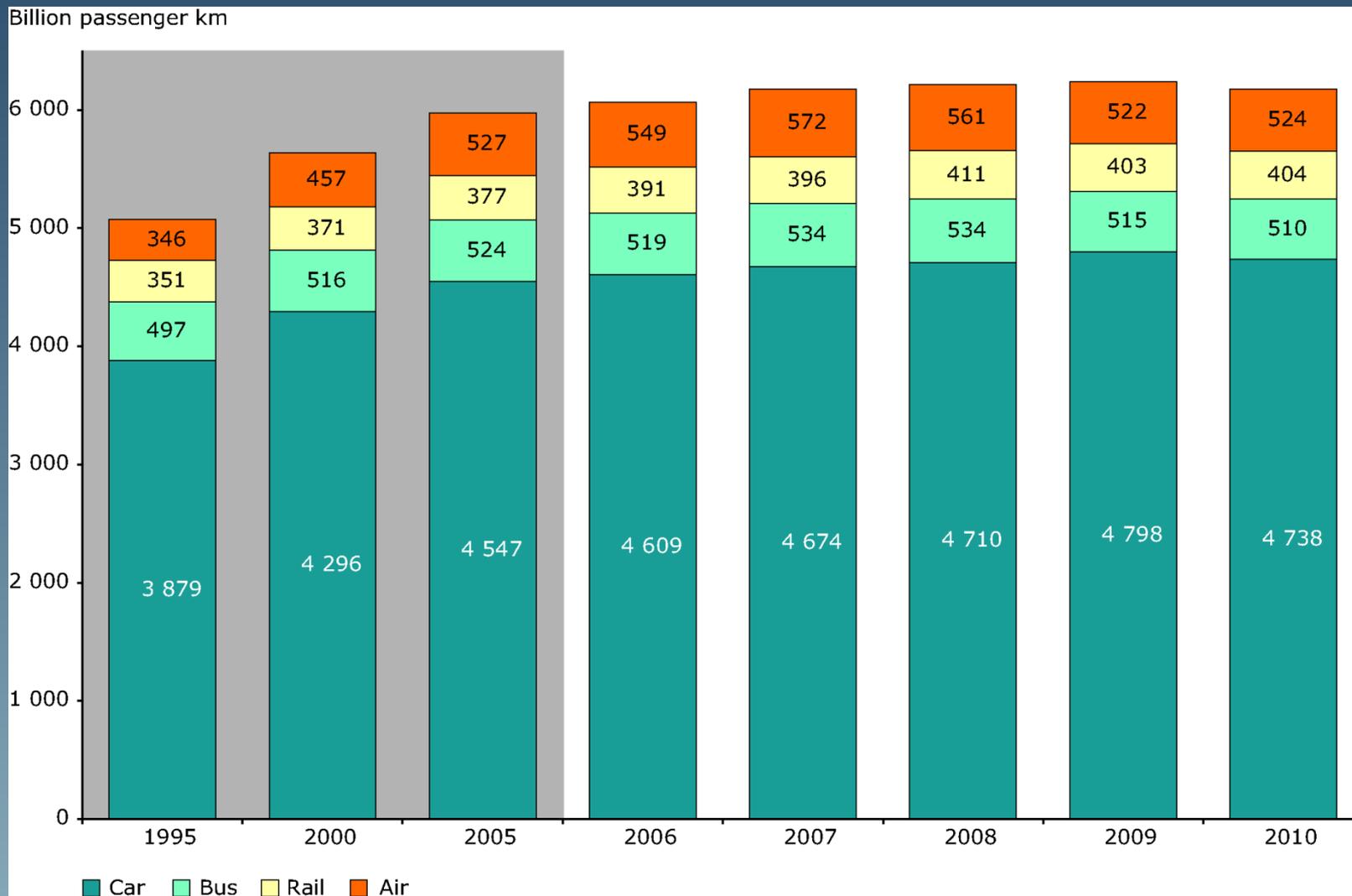


INDICATORE: Energie rinnovabili

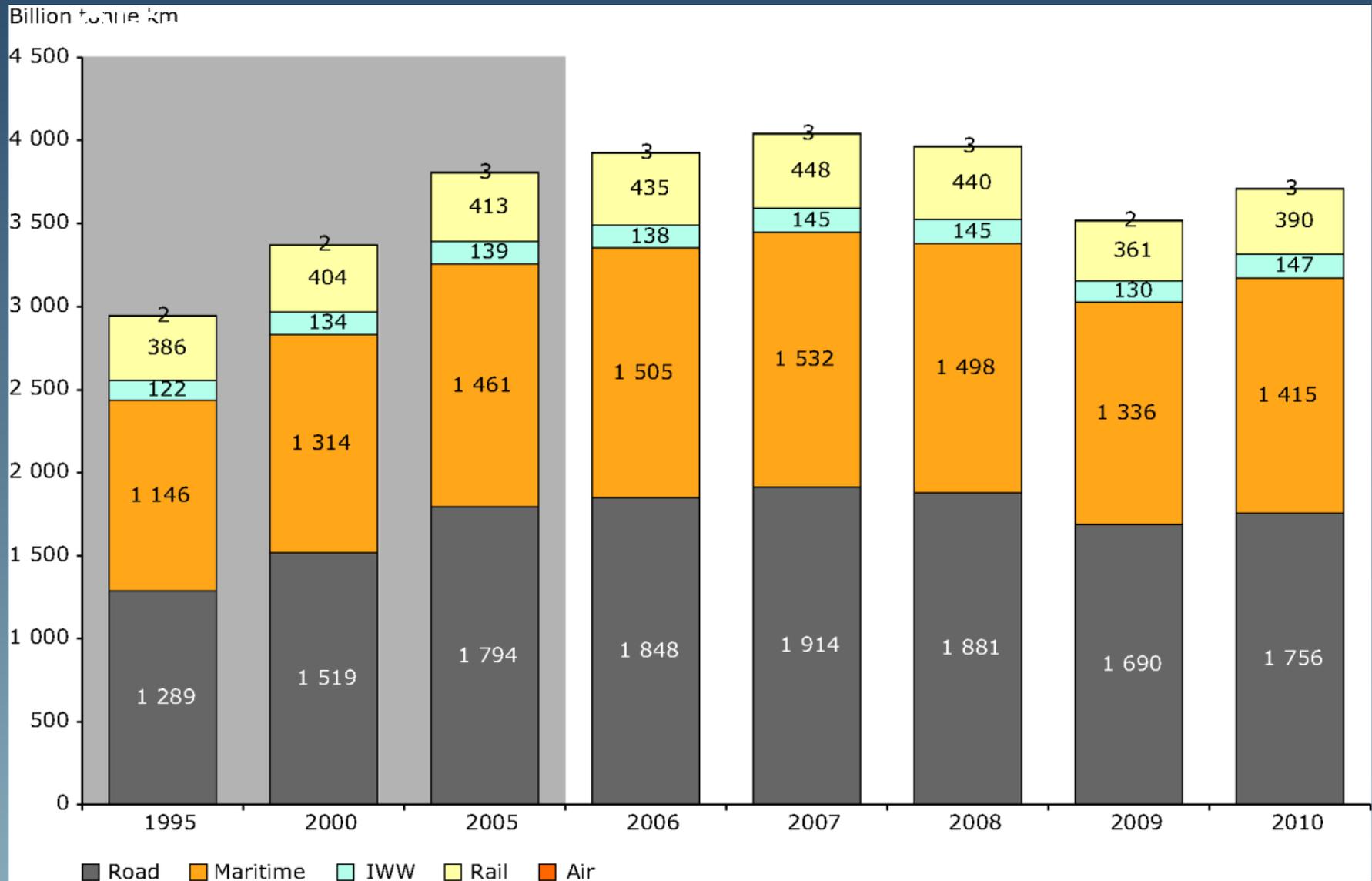
Obiettivo: 10% nel 2020



INDICATORE: Domanda passeggeri



INDICATORE: Domanda merci

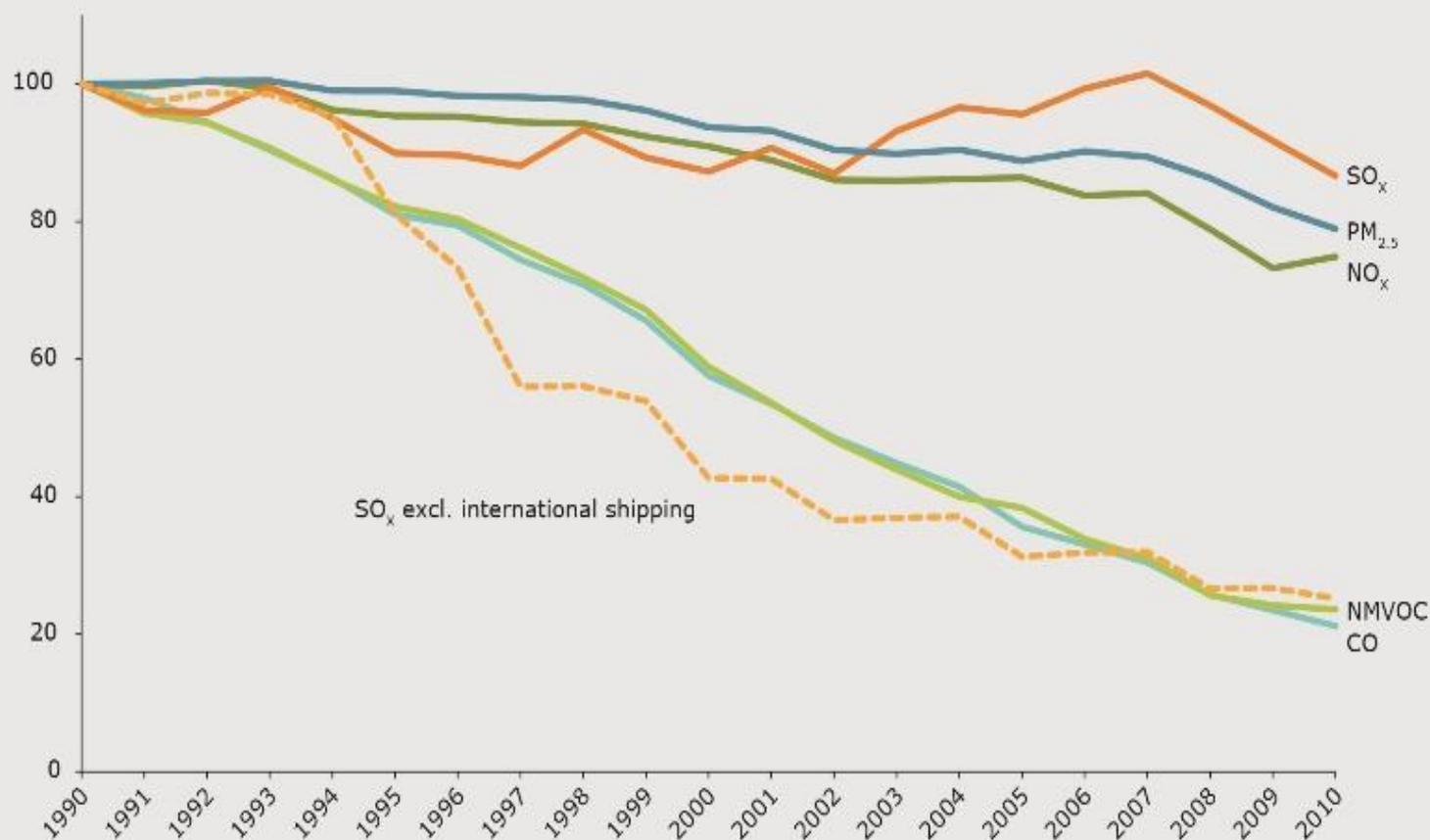


EMISSIONI DI INQUINANTI ATMOSFERICI

Box 2.4 TERM 03: Transport emissions of air pollutants

Trend in emissions of air pollutants from transport in EEA-32

Index 1990 = 100



CONCLUSIONI

Il trasporto e' responasbile del 25% delle emissioni di GHG e degli alti livelli di inquinanti nell'aria;

Nel 2010 qualche miglioramento (riduzione delle emissioni e maggior efficienza)

Si deve fare di piu'

- "Avoid, Shift, Improve"

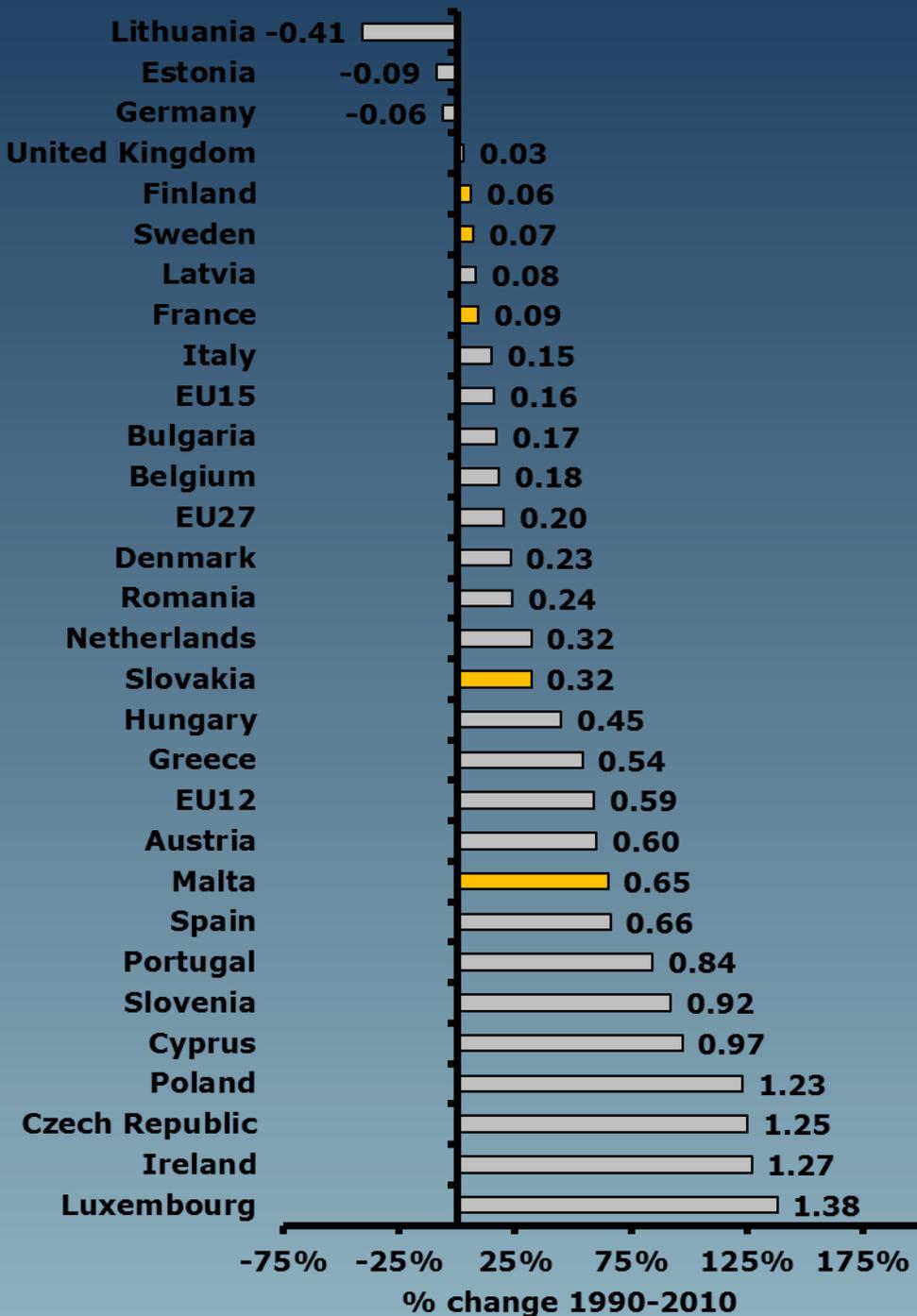


Grazie per l'attenzione

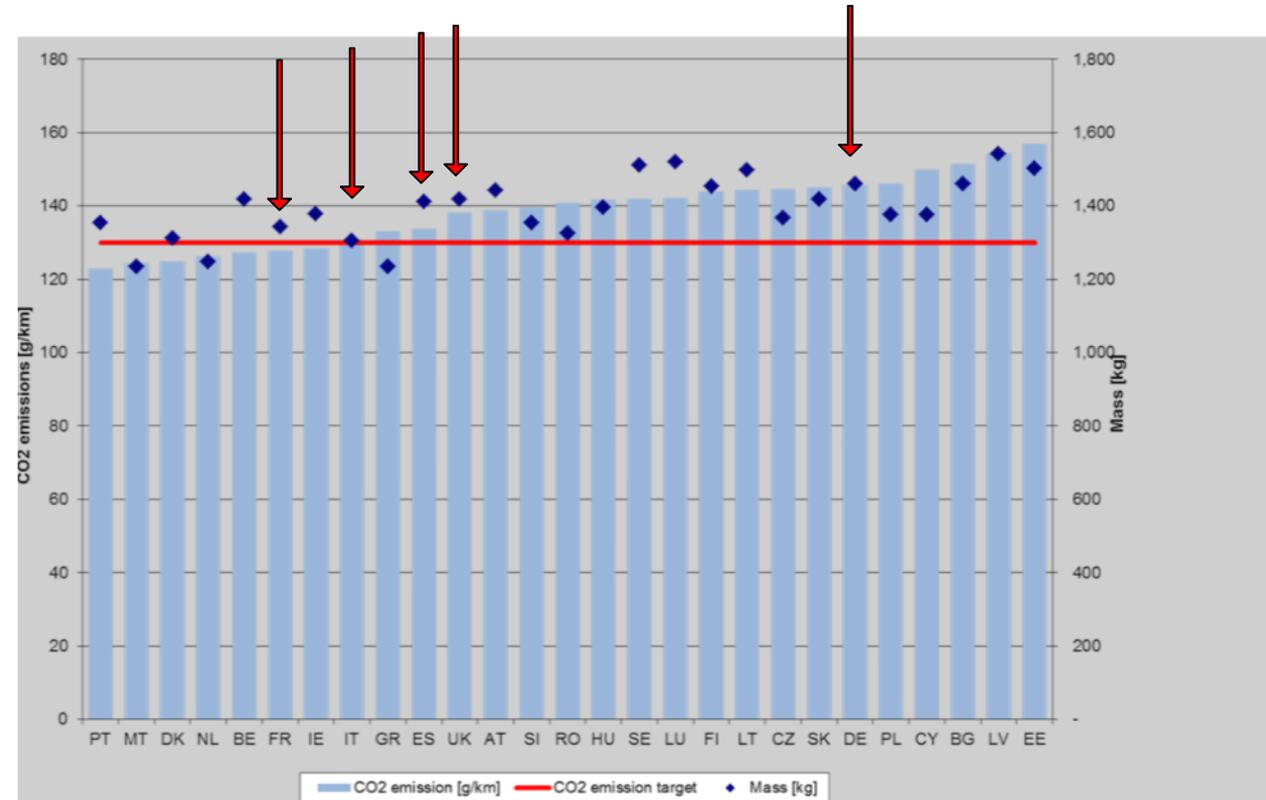
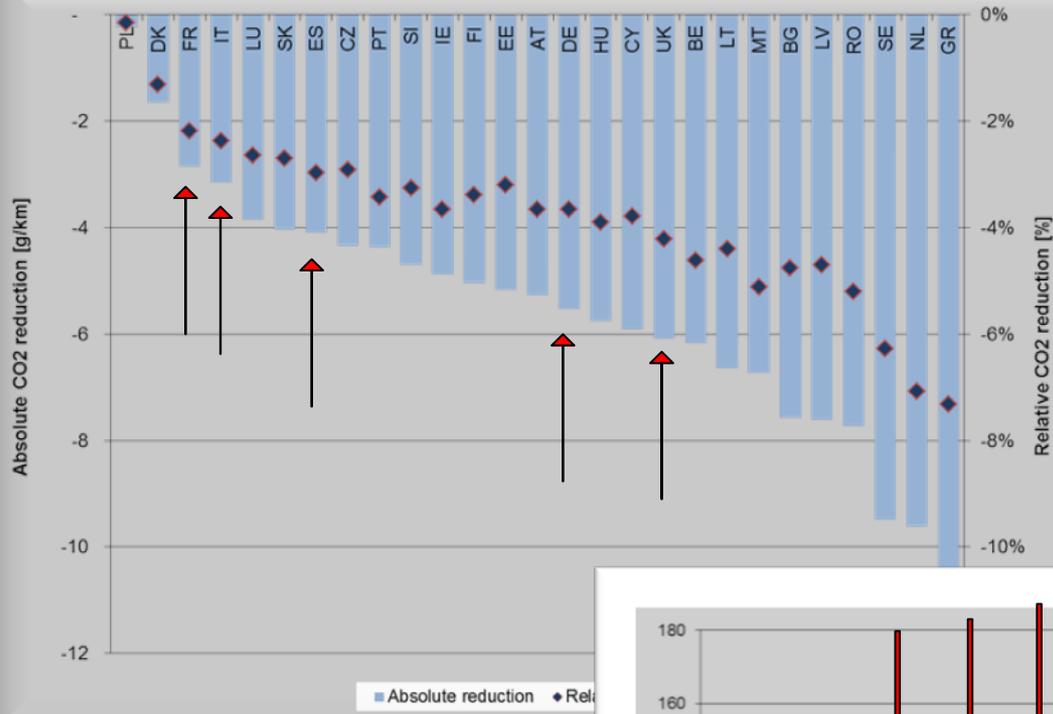
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CO2 by Member States



Average CO₂ emissions (g CO₂/km)

