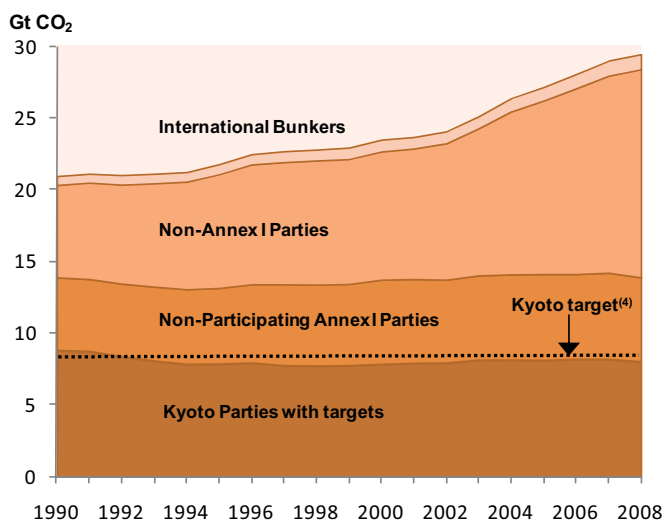


Table 1. World CO₂ emissions from fuel combustion and Kyoto Protocol targets⁽¹⁾Mt CO₂

	1990	2008	% change 90-08	Kyoto Target		1990	2008	% change 90-08	Kyoto Target
KYOTO PARTIES WITH TARGETS	8 785.3	7 980.1	-9.2%	-4.7% e	OTHER COUNTRIES	11 566.6	20 368.2	76.1%	
<i>North America</i>	432.3	550.9	27.4%		<i>Non-participating</i>				
Canada	432.3	550.9	27.4%	-6%	<i>Annex I Parties</i>	5 119.5	5 923.6	15.7%	
					Belarus	124.0	64.2	-48.2%	none
<i>Europe</i>	3 153.6	3 222.9	2.2%		Turkey	126.9	263.5	107.6%	none
Austria	56.5	69.3	22.7%	-13%	United States	4 868.7	5 595.9	14.9%	-7%
Belgium	107.9	111.0	2.8%	-7.5%	<i>Other Regions</i>	6 447.1	14 444.6	124.0%	
Denmark	50.4	48.4	-4.0%	-21%	Africa	545.6	889.9	63.1%	none
Finland	54.4	56.6	4.0%	0%	Middle East	592.5	1 492.3	151.8%	none
France ⁽²⁾	352.3	368.2	4.5%	0%	Non-OECD Europe ⁽³⁾	106.1	92.2	-13.1%	none
Germany	950.4	803.9	-15.4%	-21%	Other FSU ⁽³⁾	578.8	419.1	-27.6%	none
Greece	70.1	93.4	33.2%	+25%	Latin America ⁽³⁾	869.5	1 476.5	69.8%	none
Iceland	1.9	2.2	17.0%	+10%	Asia (excl. China) ⁽³⁾	1 510.1	3 524.1	133.4%	none
Ireland	29.8	43.8	46.7%	+13%	China	2 244.4	6 550.5	191.9%	none
Italy	397.4	430.1	8.2%	-6.5%					
Luxembourg	10.5	10.4	-0.6%	-28%					
Netherlands	155.8	177.9	14.1%	-6%	INTL. MARINE BUNKERS	354.8	578.2	63.0%	
Norway	28.3	37.6	33.0%	+1%	INTL. AVIATION BUNKERS	258.2	454.8	76.1%	
Portugal	39.3	52.4	33.5%	+27%					
Spain	205.8	317.6	54.3%	+15%	WORLD	20 964.8	29 381.4	40.1%	
Sweden	52.8	45.9	-13.0%	+4%					
Switzerland	40.7	43.7	7.4%	-8%					
United Kingdom	549.3	510.6	-7.0%	-12.5%					
<i>Pacific</i>	1 346.4	1 582.0	17.5%						
Australia	260.1	397.5	52.9%	+8%					
Japan	1 064.4	1 151.1	8.2%	-6%					
New Zealand	22.0	33.3	51.5%	0%					
<i>Economies in Transition</i>	3 852.9	2 624.3	-31.9%						
Bulgaria	74.9	48.8	-34.9%	-8%					
Croatia	21.6	20.9	-3.0%	-5%					
Czech Republic	155.1	116.8	-24.7%	-8%					
Estonia	36.0	17.6	-51.1%	-8%					
Hungary	66.7	53.0	-20.6%	-6%					
Latvia	18.6	7.9	-57.5%	-8%					
Lithuania	33.1	14.2	-57.0%	-8%					
Poland	343.8	298.7	-13.1%	-6%					
Romania	167.1	89.9	-46.2%	-8%					
Russian Federation	2 178.8	1 593.8	-26.8%	0%					
Slovak Republic	56.7	36.2	-36.1%	-8%					
Slovenia	12.5	16.7	33.8%	-8%					
Ukraine	687.9	309.6	-55.0%	0%					



(1) The targets apply to a basket of six greenhouse gases and allow sinks and international credits to be used for compliance with the target. The overall EU-15 target under the Protocol is 8%, but the member countries have agreed on a burden-sharing arrangement as listed. Because of lack of data and information on base years and gases, an overall "Kyoto target" cannot be precisely calculated for total Kyoto Parties: estimates applying the targets to IEA energy data suggest the target is equivalent to about 4.7% on an aggregate basis for CO₂ emissions from fuel combustion.

(2) Emissions from Monaco are included with France.

(3) Composition of regions differs from elsewhere in this publication to take into account countries that are not Kyoto Parties.

(4) The Kyoto target is calculated as percentage of the 1990 CO₂ emissions from fuel combustion only, therefore it does not represent the total target for the six-gas basket. This assumes that the reduction targets are spread equally across all gases.

Key point: Existing climate goals have not always led to reductions in CO₂ emissions from fuel combustion.