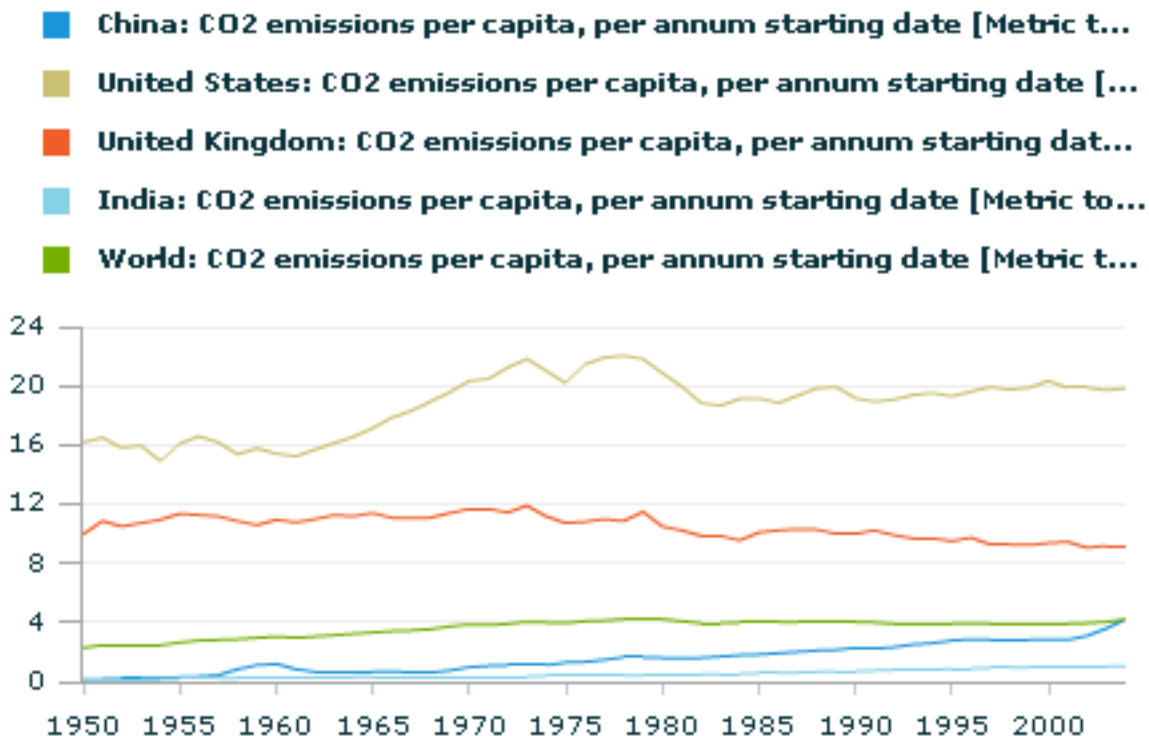


Carbon emissions per person, by country

Looking at a country's total carbon emissions alone doesn't tell the full story of the country's contribution to global warming

<http://www.guardian.co.uk/environment/datablog/2009/sep/02/carbon-emissions-per-person-capita>



Looking at a country's total [carbon emissions](#) doesn't tell the full story of a country's contribution to global warming.

China, for example, is the world "leader" in total emissions (6018m metric tonnes of carbon dioxide) since it [overtook the US](#) (5903) in 2007. But all that really tells you is that China is a fast-developing country with a lot of people.

A more useful measurement is carbon emissions per capita (person). Under that measurement, the average American is responsible for 19.8 tonnes per person, and the average Chinese citizen clocks in at 4.6 tonnes.

Examining CO2 per capita around the world also shows us the gulf between the developed world's responsibility for [climate change](#) and that of the developing world. While Australia is on 20.6 tonnes per person (partly because of its reliance on CO2-intensive coal) and the UK is half that at 9.7 (explained in part by relatively CO2-light gas power stations), India is on a mere 1.2. Poorer African nations such as Kenya are on an order magnitude less again - the average Kenyan has a footprint of just 0.3 tonnes (a figure that's likely to drop even lower with [the country's surge](#)

[in wind power](#)).

These differences - along with [countries' historical contributions to global warming](#) - are a crucial part of [climate negotiations in Copenhagen](#) this December. Even the former UK deputy prime minister [John Prescott recently said](#) that per capita emissions are the fairest way of thrashing out a deal in Copenhagen. [Guardian readers believe](#) it's fairer too.

World carbon dioxide emissions from the consumption and flaring of fossil fuels, 1980-2006

(Million metric tonnes of carbon dioxide)

Country	1992	2000	2006	Emissions per capita	% change since 1996
China	2475.26	2966.52	6017.69	4.58	105%
United States	5079.53	5860.38	5902.75	19.78	7%
Russia	2056.55	1582.37	1704.36	12	5%
India	664.96	1012.34	1293.17	1.16	55%
Japan	1078.48	1203.71	1246.76	9.78	10%
Germany	896.37	856.92	857.6	10.4	-4%
Canada	485.09	565.22	614.33	18.81	18%
United Kingdom	579.82	561.23	585.71	9.66	-1%
South Korea	294.53	445.81	514.53	10.53	27%
Iran	234.79	320.69	471.48	7.25	79%
Italy	415.62	448.43	468.19	8.05	10%
South Africa	323.55	391.67	443.58	10.04	24%
Mexico	313.55	383.44	435.6	4.05	31%
Saudi Arabia	235.46	290.54	424.08	15.7	70%
France	382.89	402.27	417.75	6.6	7%
Australia	271.58	359.8	417.06	20.58	37%
Brazil	237.8	344.91	377.24	2.01	23%
Spain	254.21	326.92	372.62	9.22	52%
Ukraine	535.94	326.83	328.72	7.05	-10%
Poland	330.33	295	303.42	7.87	-13%
Taiwan	132.27	252.15	300.38	13.19	52%
Indonesia	173.45	273.93	280.36	1.21	18%
Netherlands	213.2	251.73	260.45	15.79	14%
Thailand	100.72	161.86	245.04	3.79	44%
Turkey	138.1	202.38	235.7	3.35	39%
Kazakhstan	265.09	143.45	213.5	14.02	50%
Malaysia	72.93	112.14	163.53	6.7	61%
Argentina	109.94	138.42	162.19	4.06	25%
Venezuela	111.72	134.46	151.97	5.93	14%
Egypt	93.83	119.32	151.62	1.92	40%

Country	1992	2000	2006	Emissions per capita	% change since 1996
United Arab Emirates	102.05	115.72	149.52	35.05	44%
Belgium	124.8	148.57	147.58	14.22	3%
Singapore	68.11	107.64	141.1	31.41	43%
Pakistan	70.27	109.11	125.59	0.78	32%
Uzbekistan	95.95	106.35	120.84	4.43	17%
Czech Republic	--	113.45	116.3	11.36	-13%
Greece	79.5	101.27	107.07	10.02	24%
Nigeria	94.09	80.75	101.07	0.77	-1%
Iraq	57.69	73.58	98.95	3.69	29%
Romania	129.94	93.33	98.64	4.42	-22%
Algeria	82.08	83.65	93.16	2.83	10%
Vietnam	18.46	48.49	91.62	1.09	132%
Hong Kong	45.4	55.93	84.86	12.23	74%
North Korea	106.71	70.17	77.61	3.36	7%
Austria	57.06	64.74	76.39	9.32	17%
Kuwait	23.51	59.5	74.79	30.92	52%
Philippines	46.16	71.17	72.39	0.81	20%
Israel	41.99	60.68	67.33	9.8	35%
Belarus	91.63	60.07	65.2	6.68	8%
Chile	31.63	55.28	64.8	4.01	42%
Colombia	53.82	57.83	62.04	1.42	9%
Portugal	47.73	63.76	61.71	5.82	27%
Denmark	61.63	54.72	59.13	10.85	-19%
Hungary	62.74	55.86	58.65	5.88	-1%
Finland	49.63	50.32	58.31	11.15	9%
Sweden	59.08	60.78	57.37	6.36	-15%
Qatar	25.59	34.7	54.17	61.19	75%
Libya	36.56	41.89	53.51	9.07	28%
Former Serbia and Montenegro	45.32	42.96	52.15	4.81	5%
Syria	35.38	50.99	51.08	2.71	21%
Turkmenistan	20.47	23.94	50.28	10.03	176%
Bulgaria	57.64	49.11	48.94	6.63	-9%
Trinidad and Tobago	17.4	27.51	47.23	44.32	95%
Ireland	27.59	40.75	46.86	11.54	47%
Switzerland	45.77	45.45	45.56	6.06	1%
Norway	35.7	41.28	45.15	9.79	13%
Bangladesh	16.51	29.38	42.74	0.29	88%
Puerto Rico	23.35	27.72	41.43	10.55	71%
Azerbaijan	60.14	43.76	39.82	4.94	2%
New Zealand	31.27	35.13	38.36	9.38	18%
Slovakia	--	36.56	38.15	7.01	-13%
Oman	13.53	21.79	34.73	11.19	138%
Morocco	22.54	31.25	34.53	1.04	26%
Peru	20.15	26.97	29.93	1.05	16%
Cuba	28.88	32.86	28.64	2.52	-5%

Country	1992	2000	2006	Emissions per capita	% change since 1996
Bahrain	13.57	20.26	26.85	38.44	69%
Ecuador	18.39	20.08	25.46	1.88	29%
Croatia	16.6	20.13	21.43	4.77	23%
Angola	7.5	13.03	21.19	1.77	74%
Tunisia	12.81	19.67	20.98	2.06	36%
Jordan	11.2	15.63	19.89	3.37	40%
Estonia	25.75	16.26	18.61	14.06	-5%
Yemen	12.23	13.18	18.08	0.84	66%
Slovenia	12.7	15.72	17.62	8.77	5%
Dominican Republic	10.35	15.8	17.42	1.89	50%
Bosnia and Herzegovina	18.91	14.13	17.41	3.87	284%
Lithuania	23.28	13.28	15.73	4.39	-1%
Panama	12.24	12.94	14.43	4.52	16%
Lebanon	8.16	16.46	14.32	3.69	8%
Burma	4.62	9.01	12.87	0.27	106%
Virgin Islands, U.S.	8.35	9.85	12.85	118.3	51%
Sri Lanka	5.63	11.33	12.54	0.61	56%
Luxembourg	11.29	9.03	12.47	26.28	37%
Bolivia	6.24	9.26	12.41	1.38	70%
Sudan	5.17	6.51	12.26	0.32	209%
Jamaica	8.52	10.83	12.03	4.36	19%
Guatemala	4.36	9.07	11.23	0.9	78%
Netherlands Antilles	9.55	11.62	10.9	49.13	-4%
Kenya	6.57	8.7	10.79	0.3	44%
Armenia	11.14	8.61	10.34	3.48	25%
Zimbabwe	16.71	13.56	10.33	0.84	-31%
Brunei	3.65	3.79	9.89	26.89	185%
Cyprus	6.04	7.53	8.91	11.37	32%
Latvia	12.77	7.35	8.74	3.84	-11%
Mongolia	9.92	6.69	8.45	2.91	-3%
Moldova	20.65	5.89	7.53	1.74	-20%
Honduras	2.74	4.59	7.46	1.02	92%
Tajikistan	7.97	5.95	7.36	1.06	56%
Ghana	3.41	5.32	7.29	0.32	78%
Macedonia	9.3	8.41	7.17	3.5	-27%
Cameroon	3.59	6.83	7.16	0.41	6%
Uruguay	4.52	6.52	6.36	1.85	28%
Cote d'Ivoire (Ivory Coast)	3.86	7.36	6.3	0.36	10%
El Salvador	3.22	5.51	6.28	0.92	43%
Costa Rica	3.64	5.01	5.76	1.41	29%
Senegal	2.92	4.43	5.73	0.47	46%
Congo -Brazzaville	0.85	3.01	5.53	1.49	79%
Ethiopia	3.64	3.46	5.13	0.07	199%
Bahamas, The	2.22	3.5	5	16.48	40%
Mozambique	1.19	1.28	4.98	0.24	365%
Kyrgyzstan	14.07	7.23	4.95	0.95	-30%

Country	1992	2000	2006	Emissions per capita	% change since 1996
Equatorial Guinea	0.12	2.05	4.88	8.37	214%
Albania	4.17	3.26	4.69	1.31	140%
Tanzania	2.58	2.73	4.68	0.12	87%
Georgia	15.51	4.63	4.66	1	-18%
Papua New Guinea	2.58	2.6	4.66	0.82	74%
Nicaragua	2.35	3.7	4.57	0.82	56%
Gibraltar	3.09	7.3	4.47	160.22	38%
Gabon	6.06	5.07	4.34	3.04	-22%
Botswana	3.23	4.41	4.27	2.39	38%
Mauritius	2.14	3.5	4.04	3.22	67%
Paraguay	2.33	3.56	3.76	0.58	39%
Iceland	2.32	3.18	3.44	11.5	25%
Malta	2.38	2.91	3.11	7.78	19%
Mauritania	3.31	3.24	3.03	0.95	-13%
Nepal	1.11	3.11	3	0.11	80%
Reunion	1.4	2.51	2.77	NA	48%
Namibia	1.12	1.81	2.7	1.32	100%
Benin	0.77	1.65	2.65	0.34	156%
New Caledonia	1.78	2.01	2.6	11.85	42%
Madagascar	1.07	1.81	2.59	0.14	102%
Zambia	2.99	1.9	2.57	0.23	17%
Togo	0.72	1.4	2.51	0.45	298%
Democratic Republic of the Congo	4.35	2.71	2.51	0.04	-35%
Martinique	1.47	2.06	2.39	NA	18%
Macau	1.13	1.58	2.28	5.02	54%
Guadeloupe	1.39	1.81	2.11	NA	24%
Suriname	1.44	1.61	2.01	4.31	34%
Djibouti	1.78	1.85	2	4.12	10%
Guam	2.51	2.87	1.89	11.06	-41%
Haiti	0.88	1.52	1.79	0.21	61%



[Posted by Adam Vaughan](#)

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<http://www.guardian.co.uk/environment/datablog/2009/sep/02/carbon-emissions-per-person-capita>