List of countries by carbon dioxide emissions per capita

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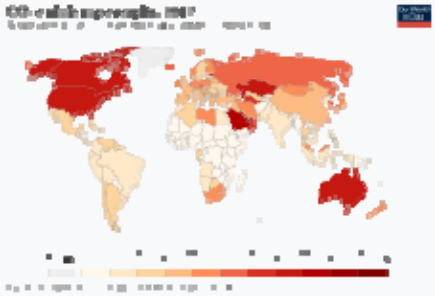
Jump to navigationJump to search

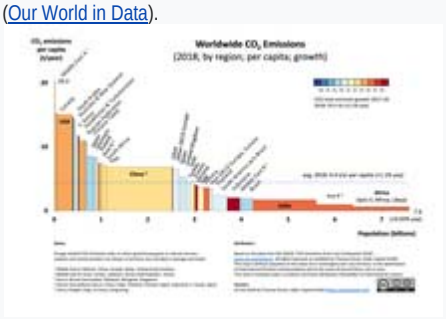
This article is about carbon dioxide emissions only. For all greenhouse gases, see List of countries by greenhouse gas emissions per capita.

See or edit source data.

Annual production-based CO_2 emissions per capita from 1900 to 2017, globally and for each country.[1]



CO_2 emissions per capita (production-based), 2017 (Our World in Data).



2018 Worldwide CO2 Emissions (by region, per capita), variwide chart

This is a list of countries by carbon dioxide emissions per capita.

The first section is devoted to emissions based on the production of goods and services within each country (also known as territorial-based emissions). It provides data regarding carbon dioxide emissions from the burning of fossil fuels and cement manufacture but not emissions from land-use, land-use change and forestry (which includes deforestation). Emissions from international shipping or bunker fuels are also not included in national figures,[2] which can make a significant difference for small countries with important ports.

The second section provides data regarding emissions based on consumption of goods and services in each country. In addition to the emissions from goods and services produced locally, consumption-based accounting also includes the emissions from the consumption of goods and services produced abroad, i.e. imports, while it excludes emissions from the production of goods and services consumed abroad, i.e. exports. As it takes into account the emissions embodied in international trade, it is thus also known as trade-adjusted emissions accounting.

Carbon dioxide is the most important, though not the only anthropogenic greenhouse gas. For a more complete idea of how a country influences climate change, gases such as methane and nitrous oxide should be taken into account. This is particularly so in agricultural economies.

Carbon dioxide emissions are also known for earlier periods. A study of a global sample of twelve countries provide estimates for CO_2 emissions since 1800 and explores the long-run drivers of carbon dioxide emissions by decomposing changes in carbon emissions into population, income, technological and energy mix changes.[3]

Consumption-based emissions: annual carbon dioxide emissions in tons per capita[edit]

For a description of this method of greenhouse gas emissions accounting, see Consumption-based accounting of greenhouse gas emissions.

CO_2 data from the Global Carbon Project, population data from the United Nations hide

Country	2016[10]
Kuwait	22.72
Brunei	22.63
Niue	-
Qatar	33.17
Belize	-
Oman	15.44
Bahrain	14.05
Australia (see: Greenhouse gas emissions by Australia)	15.59

CO_2 data from the Global Carbon Project, population data from the United Nations hide	
Country	2016[10]
United Arab Emirates	15.82
Libya	-
Canada (see: Greenhouse gas emissions by Canada)	15.82
Turkmenistan	-
Luxembourg	41.82
United States (see: Greenhouse gas emissions by the United States)	17.75
Equatorial Guinea	-
Trinidad and Tobago	13.10
Grenada	-
Saudi Arabia	19.29
Kazakhstan	12.92
Estonia	13.29
Palau	-
New Zealand	8.42
Russia (see: Greenhouse gas emissions by Russia)	9.59
Mongolia	8.62
South Korea	12.50
Ireland	9.14
Barbados	-
Finland	12.65
Israel	10.14
Czech Republic	10.01
Antigua and Barbuda	-
Netherlands	8.96
Germany	10.84
Central African Republic	-
Japan (see: Greenhouse gas emissions by Japan)	11.06
Malaysia	8.27
Belgium	15.61
Uruguay	2.04
Singapore	21.87
Belarus	7.21
South Africa	6.00
Poland	7.81

CO_2 data from the Global Carbon Project, population data from the United Nations hide	
Country	2016[10]
Denmark	9.22
Iran	7.14
Norway	9.28
Austria	10.53
Bahamas	-
Iceland	-
Venezuela	4.70
Slovenia	8.02
China (see: Greenhouse gas emissions by China)	6.27
United Kingdom (see: Greenhouse gas emissions by the United Kingdom)	8.46
Iraq	-
Ukraine	5.39
Saint Kitts and Nevis	-
Bosnia and Herzegovina	-
Argentina	4.71
Greece	5.67
Seychelles	-
Bulgaria	5.40
Uzbekistan	-
Slovakia	8.59
Azerbaijan	4.30
Italy	7.68
Malta	11.09
France	6.93
Serbia	-
Spain	6.21
Lithuania	7.88
Saint Lucia	-
Switzerland	14.25
World	4.78
Latvia	6.2
Suriname	-
Botswana	6.00
Cook Islands	-
Cyprus	6.61

CO_2 data from the Global Carbon Project, population data from the United Nations hide	
Country	2016[10]
Angola	-
Mexico	4.13
Chile	5.15
Portugal	5.28
Paraguay	0.78
Hungary	6.56
Croatia	4.46
Romania	3.75
Thailand	4.51
Montenegro	-
Turkey (see: Greenhouse gas emissions by Turkey)	5.69
Guyana	-
Sweden	7.14
Lebanon	-
Brazil	2.52
Algeria	-
Namibia	6.14
Nauru	-
Mauritius	2.18
Bolivia	0.47
Panama	4.72
Sudan	-
Cuba	-
Gabon	-
Gambia	-
Tonga	-
Cameroon	0.19
Ecuador	2.86
Jordan	3.4
Georgia	1.59
Colombia	2.06
Dominica	-
Jamaica	1.10
Syria	-

CO_2 data from the Global Carbon Project, population data from the United Nations hide	
Country	2016[10]
Zambia	-
Tunisia	1.02
Dominican Republic	0.86
Fiji	-
Egypt	2.37
Armenia	0.93
Indonesia	1.93
Costa Rica	1.34
Maldives	-
Albania	0.96
Mauritania	-
Peru	2.31
Moldova	-
Vietnam	2.23
Kyrgyzstan	1.59
Samoa	-
Vanuatu	-
North Korea	-
Saint Vincent and the Grenadines	-
Honduras	0.50
Nicaragua	0.37
Morocco	1.83
India (see: Greenhouse gas emissions by India)	1.67
Eswatini	-
Chad	-
Papua New Guinea	-
Lesotho	-
Myanmar	-
Bhutan	-
Sri Lanka	1.59
El Salvador	0.57
Zimbabwe	0.29
Senegal	0.33
Cambodia	0.95

CO_2 data from the Global Carbon Project, population data from the United Nations hide	
Country	2016[10]
Pakistan	1.06
Mali	-
Nigeria	0.29
Laos	0.98
Philippines	1.38
Guatemala	0.49
Djibouti	-
Tanzania	0.20
Republic of the Congo	-
Ivory Coast	0.25
Niger	-
Eritrea	-
Guinea	0.02
Afghanistan	-
Yemen	-
Burkina Faso	0.06
Kenya	0.30
Ethiopia	0.10
Nepal	0.53
Tajikistan	-
Benin	0.44
Guinea-Bissau	-
Ghana	0.39
Cape Verde	-
Madagascar	0.09
Mozambique	0.37
Bangladesh	0.67
São Tomé and Príncipe	-
Solomon Islands	-
Sierra Leone	-
Togo	0.74
Uganda	-
Kiribati	-
Haiti	-

CO_2 data from the Global Carbon Project, population data from the United Nations hide

Country	2016[10]
Malawi	0.11
Rwanda	0.01
Democratic Republic of the Congo	-
Comoros	-
Liberia	-
Burundi	-