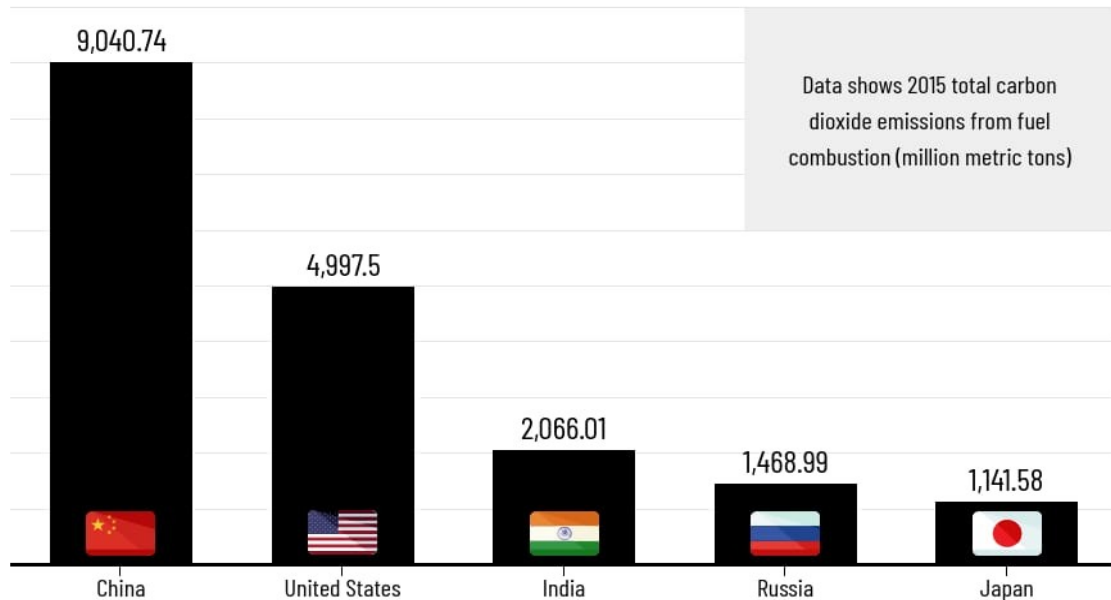


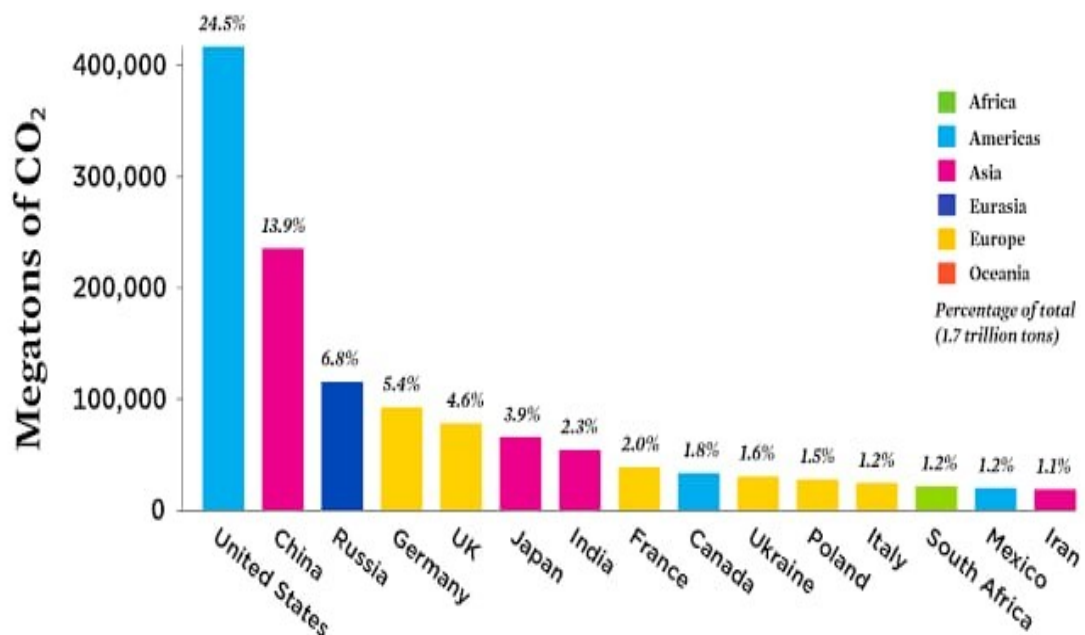
# No of Visualizations / Graphs

## TOP WORLD EMISSION



## TOP EMITTED COUNTRIES

### Top CO<sub>2</sub> Emitting Countries, 1750-2020 (from fossil fuels and cement)



# CO<sup>2</sup> EMISSION

## Annual CO<sub>2</sub> emissions

Carbon dioxide (CO<sub>2</sub>) emissions from fossil fuels and industry<sup>1</sup>. Land use change is not included.

Our World  
in Data

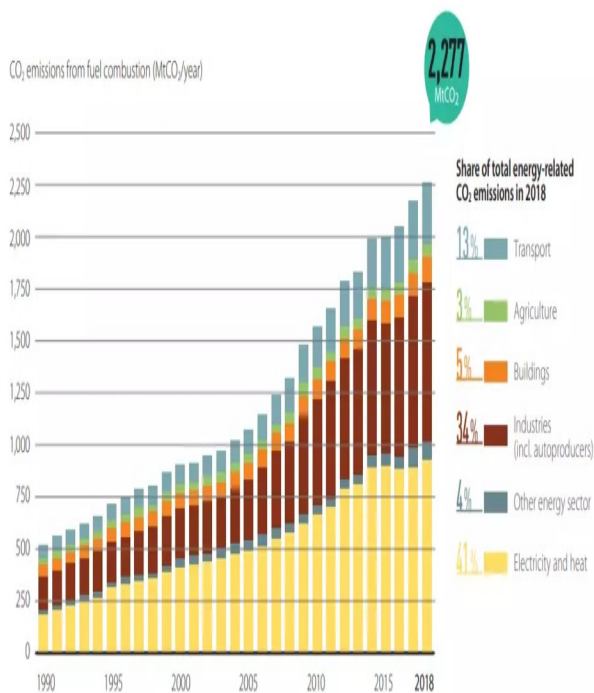


Source: Our World in Data based on the Global Carbon Project (2022)

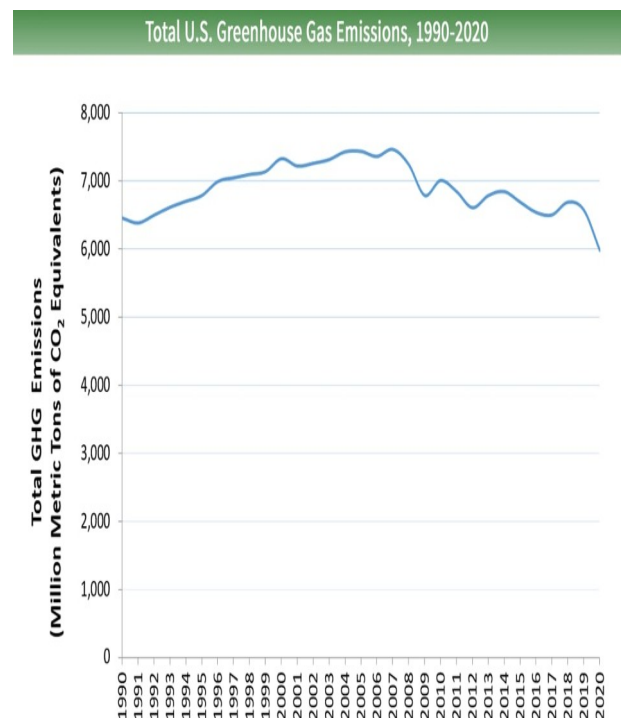
OurWorldInData.org/co2-and-greenhouse-gas-emissions • CC BY

**1. Fossil emissions:** Fossil emissions measure the quantity of carbon dioxide (CO<sub>2</sub>) emitted from the burning of fossil fuels, and directly from industrial processes such as cement and steel production. Fossil CO<sub>2</sub> includes emissions from coal, oil, gas, flaring, cement, steel, and other industrial processes. Fossil emissions do not include land use change, deforestation, soils, or vegetation.

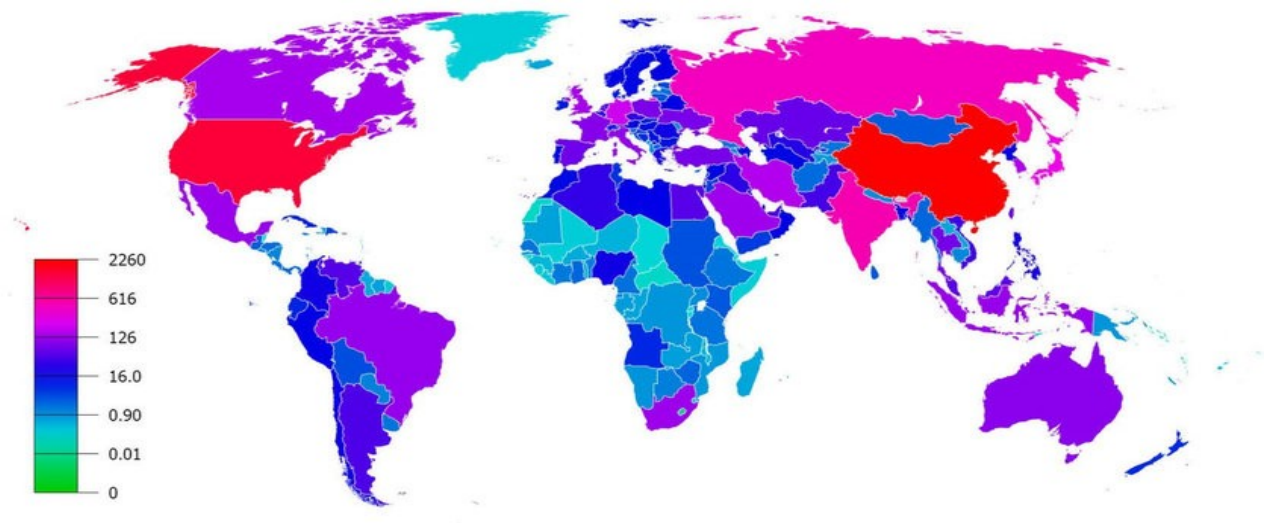
## CO<sup>2</sup> EMISSION INDIA VS USA



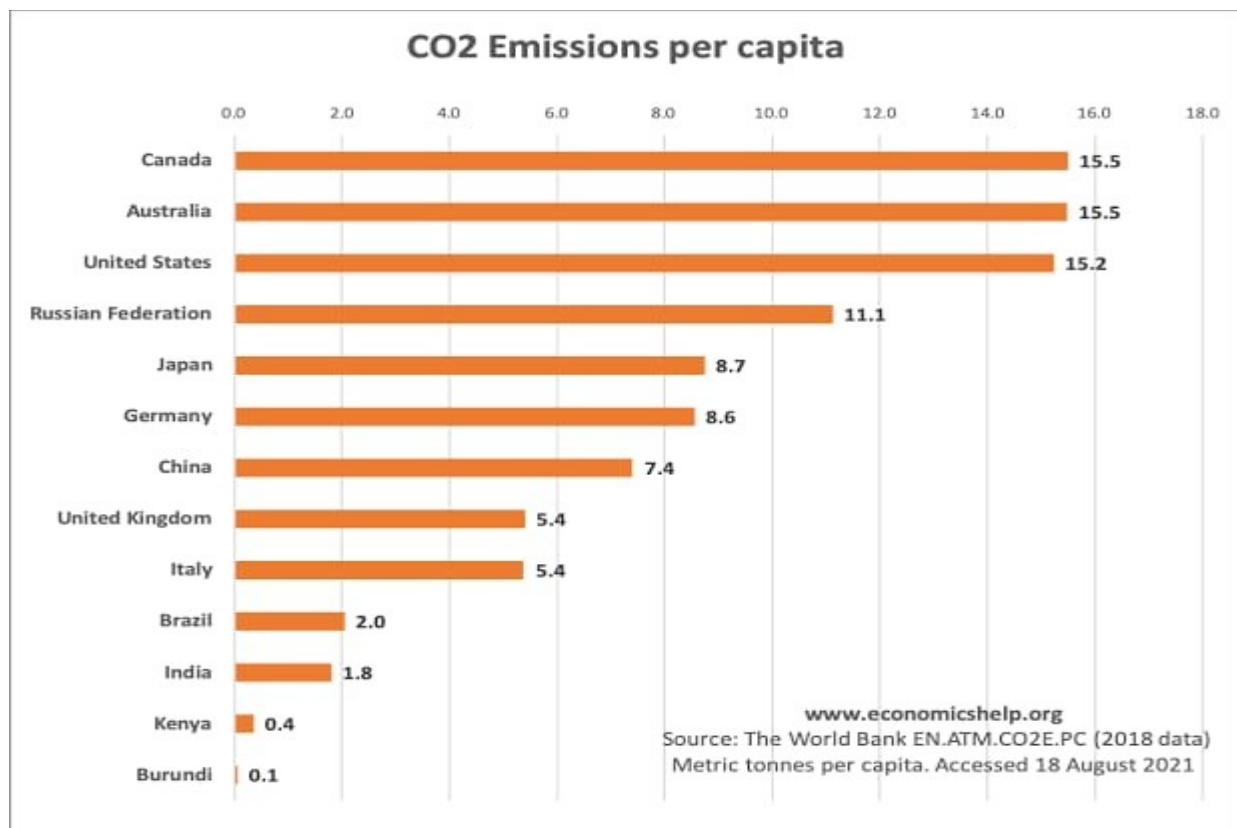
VS



## TOTAL EMISSION BY CONTINENTS



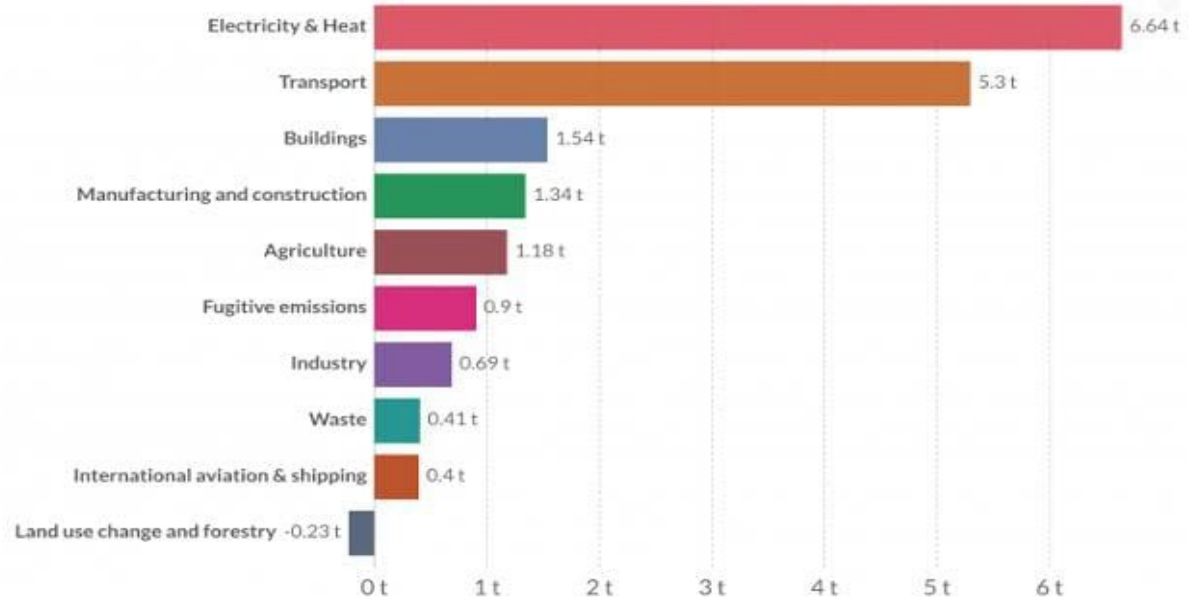
## CO2 EMISSION PER CAPITA



# CO2 EMISSION BY INTERNATIONAL FACTORS

## Per capita greenhouse gas emissions by sector, United States, 2016

Per capita greenhouse gas emissions are measured in tonnes of carbon-dioxide equivalents (CO<sub>2</sub>e) per person per year. This metric converts all greenhouse gases to CO<sub>2</sub>e based on their global warming potential value over a 100-year timescale.

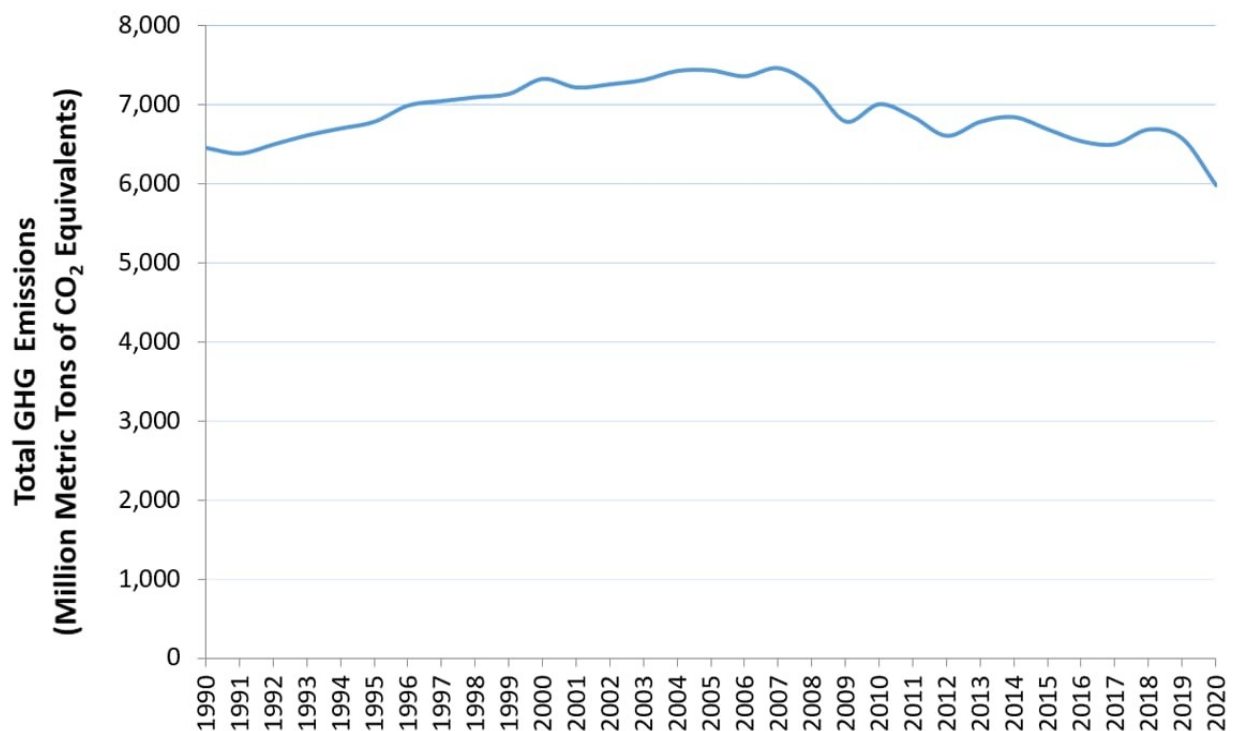


Source: CAIT Climate Data Explorer via Climate Watch

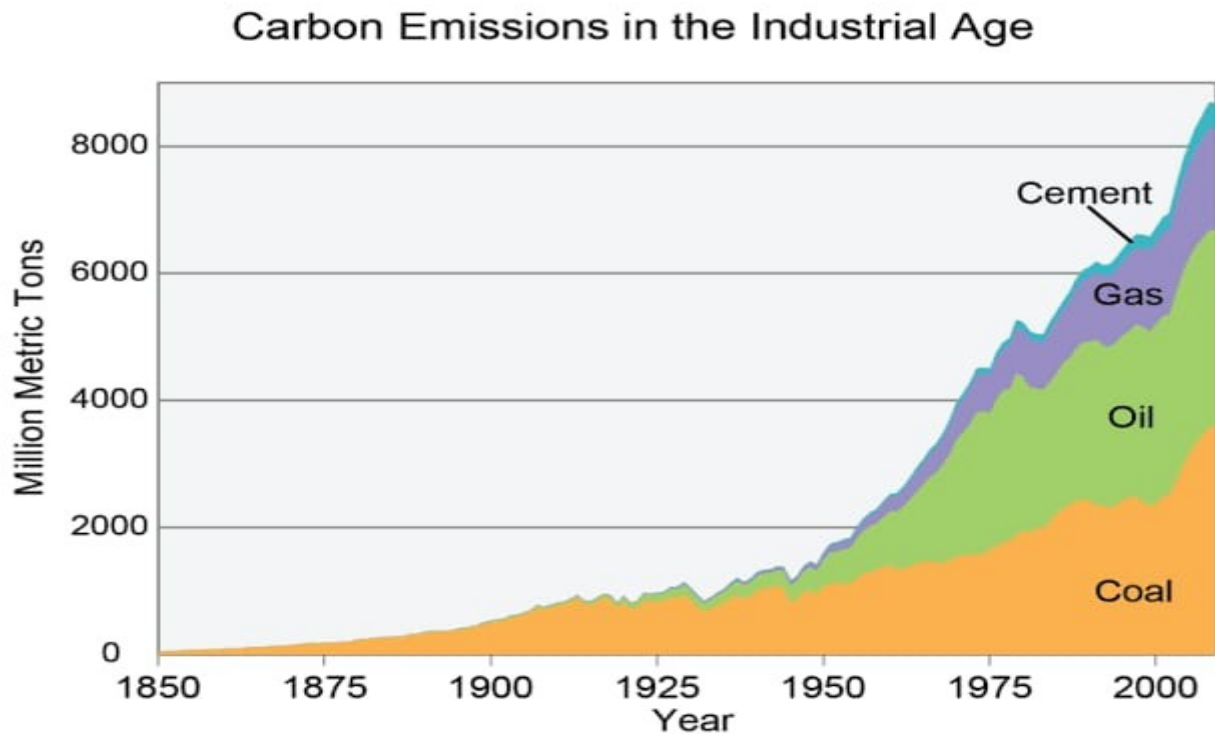
OurWorldInData.org/co2-and-other-greenhouse-gas-emissions • CC BY

## EMISSION RATE OVER YEARS

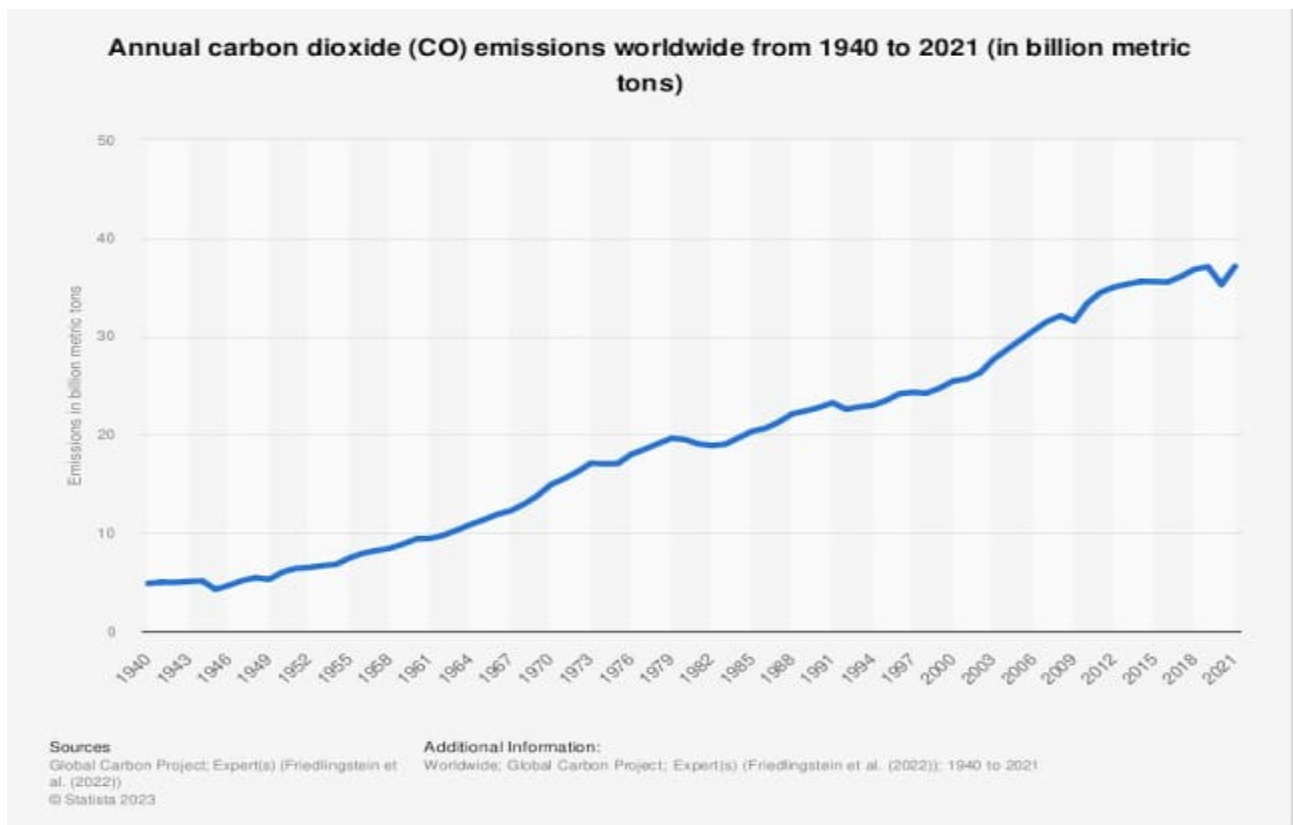
### Total U.S. Greenhouse Gas Emissions, 1990-2020



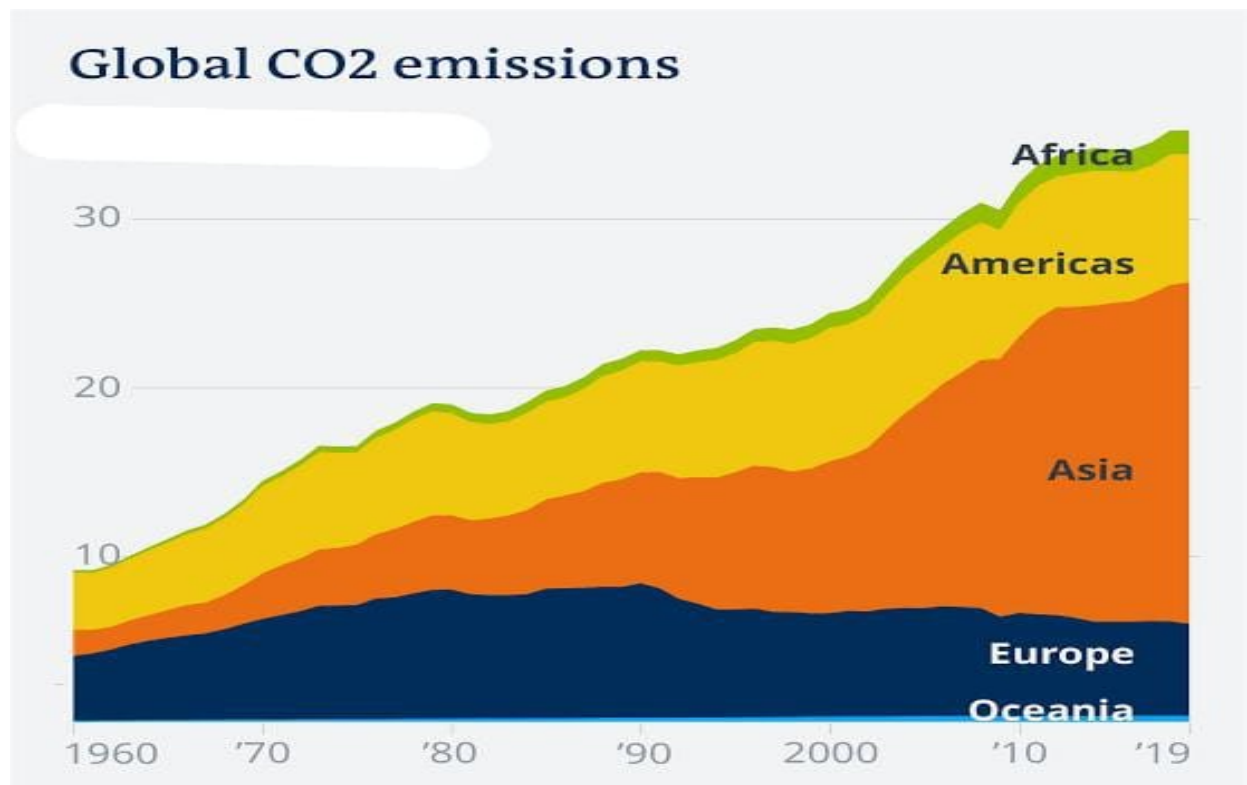
## DONUT CHARTS – COAL CO<sub>2</sub>, CEMENT CO<sub>2</sub>, GAS CO<sub>2</sub>, OIL CO<sub>2</sub>



## CO<sub>2</sub> EMISSION OVER PAST 10 YEARS



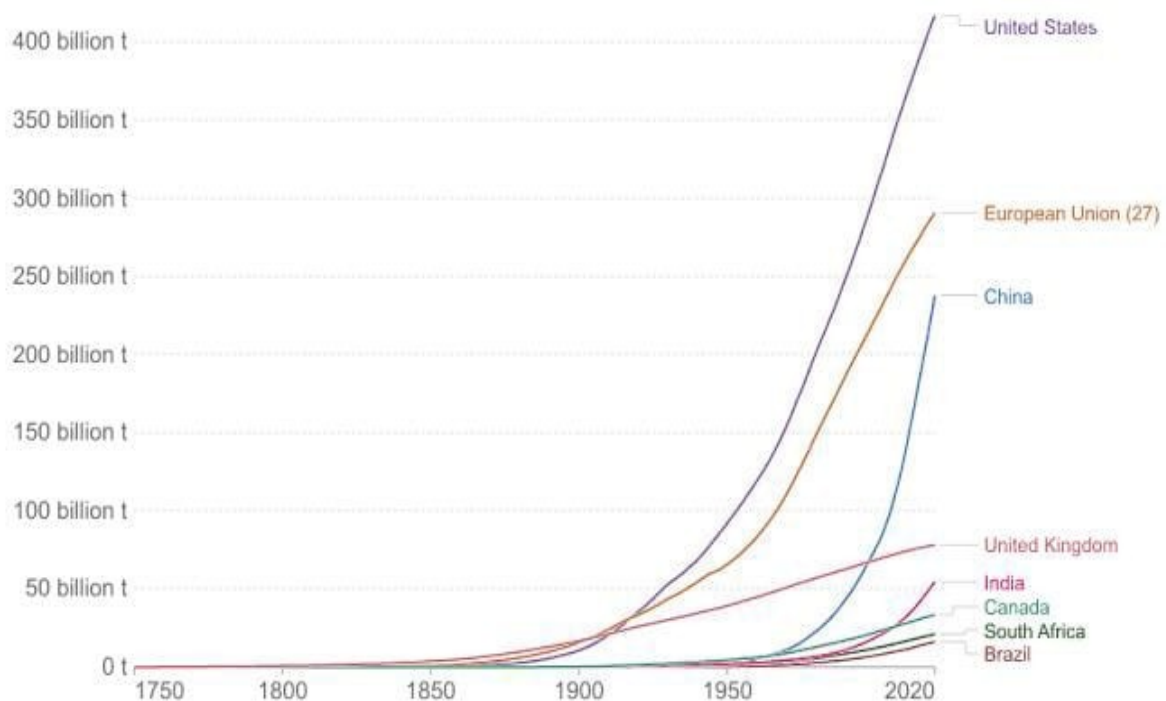
## CONTINENT CONTRIBUTION IN CO2 EMISSION



## CUMULATIVE CO<sub>2</sub> AND CO<sub>2</sub> PER CAPITA

### Cumulative CO<sub>2</sub> emissions

Cumulative emissions are the running sum of CO<sub>2</sub> emissions produced from fossil fuels and industry since 1750. Land use change is not included.

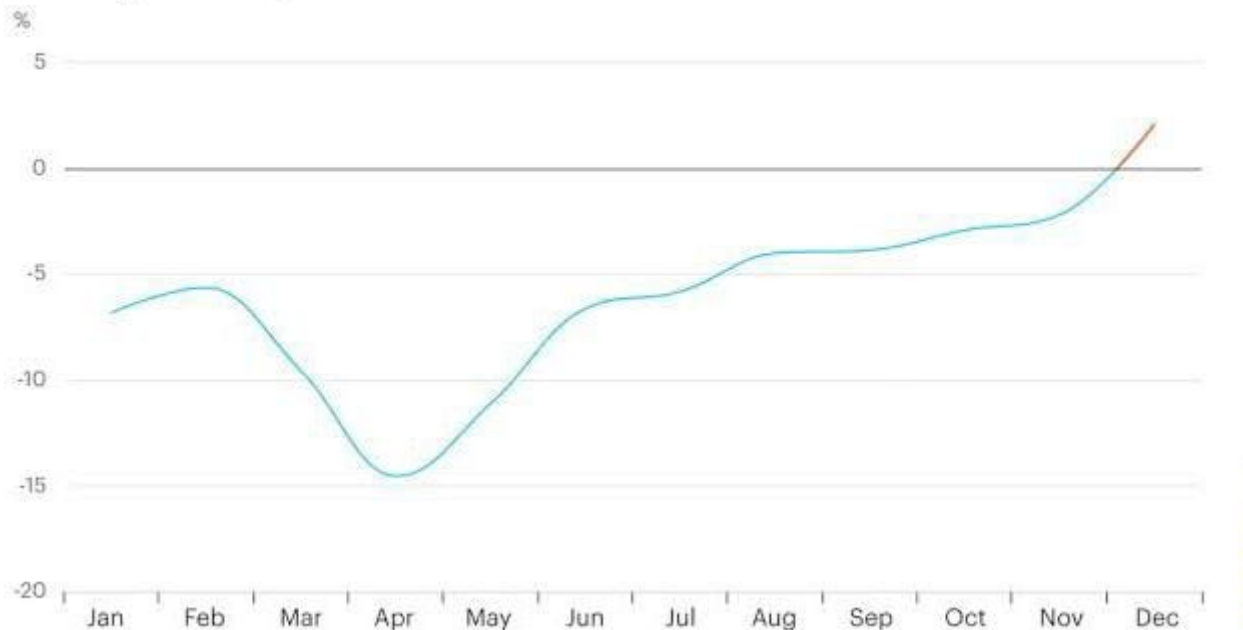




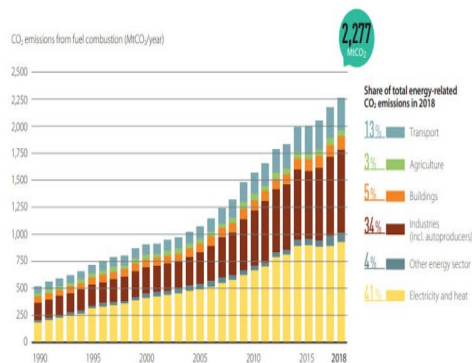
# CO<sub>2</sub> EMISSION IN 2020

## Monthly evolution of global CO<sub>2</sub> emissions, 2020 relative to 2019

Global Energy Review: CO<sub>2</sub> Emissions in 2020

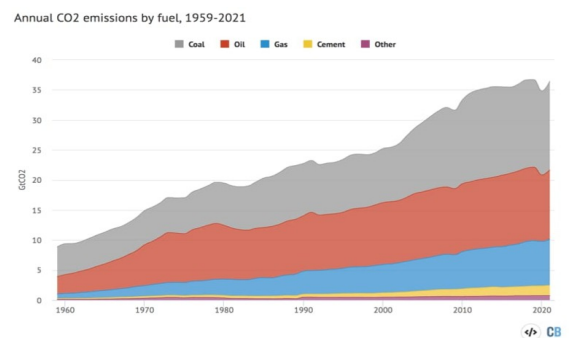


## CHINA VS INDIA CO<sub>2</sub> EMISSION DUE TO INTERNAL FACTOR



**INDIA**

**VS**



**CHINA**

## OVERALL CONTRIBUTION BY CHINA IN CO2 EMISSION

