

- GLOBAL EMISSIONS REVIEW

Who emits the *world's* CO₂, 2014 to 2024

Fossil and cement CO₂ reached 38,599 million tonnes in 2024, up 8.8% in ten years, with growth now coming from Asia while the US and EU fall.

github.com/owid/co2-data · Source: Our World in Data CO₂ dataset

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• 2024 SHARES

Three countries put out more than half of global CO₂

31.8%

CHINA, 12,289 MT

The largest emitter by far, about 2.5 times the United States.

12.7%

UNITED STATES, 4,904 MT

Second in total and highest per person among large economies.

8.3%

INDIA, 3,193 MT

Third in total, ahead of Russia at 1,781 Mt and Japan at 962 Mt.

- 2014 VS 2024

Western emissions fell while *India grew almost by half* in the same ten years

01

EU-27: -20.2%

From 3,039 Mt in 2014 to 2,426 Mt in 2024.

02

US: -11.3%

From 5,531 Mt to 4,904 Mt over the decade.

03

India: +48.7%

From 2,148 Mt to 3,193 Mt, the fastest growth of the big emitters. China rose 23.2%.

World total rose from 35,466 Mt to 38,599 Mt

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- PER CAPITA VIEW

An American emits
14.2 tonnes a year,
a Chinese resident 8.7,
an Indian resident 2.2

The world average in 2024 was 4.73 tonnes per person. Totals and per capita figures tell different stories, so client decks should show both.

Column co2_per_capita, tonnes per person, 2024

- WHERE IT COMES FROM

Coal is still the single largest source

01 → Coal: 40.9%

15,805 Mt of the 2024 world total came from burning coal.

02 → Oil: 32.3%

12,471 Mt, mostly transport fuels.

03 → Gas: 20.8%

8,010 Mt, with cement adding another 3.8%.



• WHAT TO WATCH

Global CO2 is still rising, up 8.8% in a decade

HEADLINE NUMBER

38,599 Mt

World fossil and cement
CO2, 2024

ASIA

India and Indonesia drive new
growth; China is a third of the total.

WEST

US and EU totals fell 11% and 20%,
but per capita stays high.

FUEL MIX

Coal at 41% means power sector
change moves the total most.

Data: Our World in Data · ourworldindata.org/co2-emissions

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