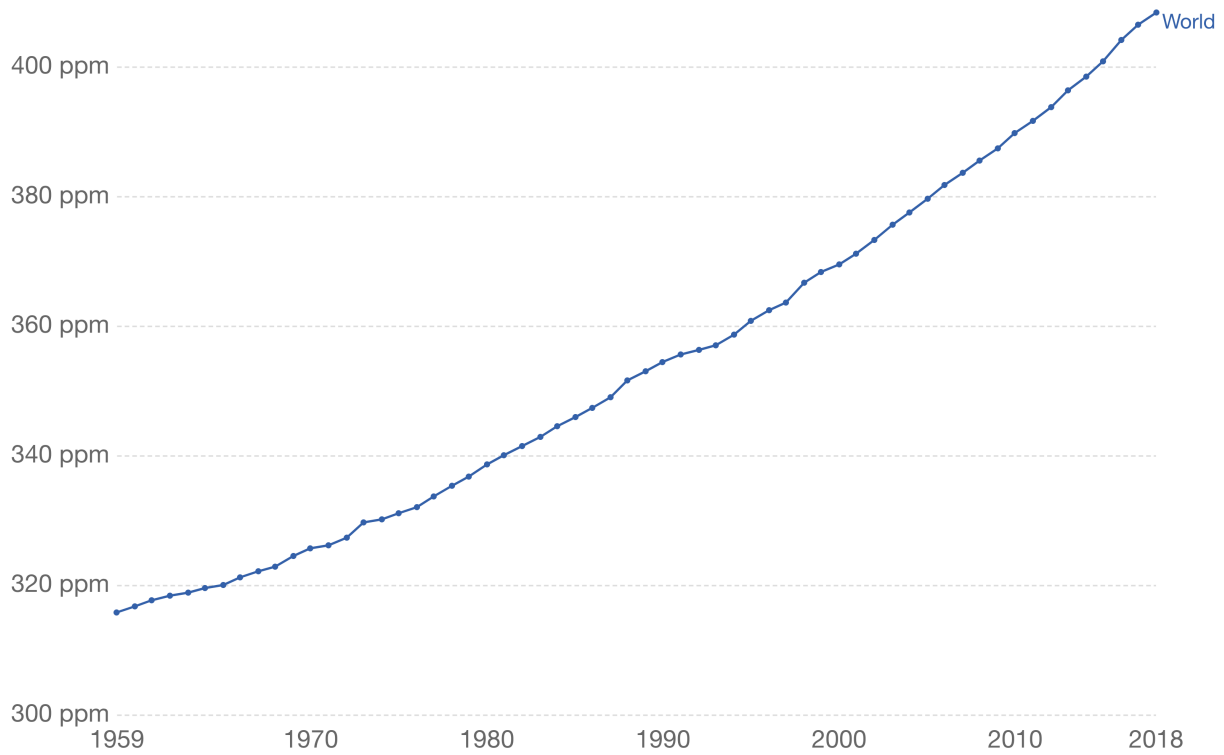


# Global CO<sub>2</sub> atmospheric concentration

Global mean annual concentration of carbon dioxide (CO<sub>2</sub>) measured in parts per million (ppm).

Our World  
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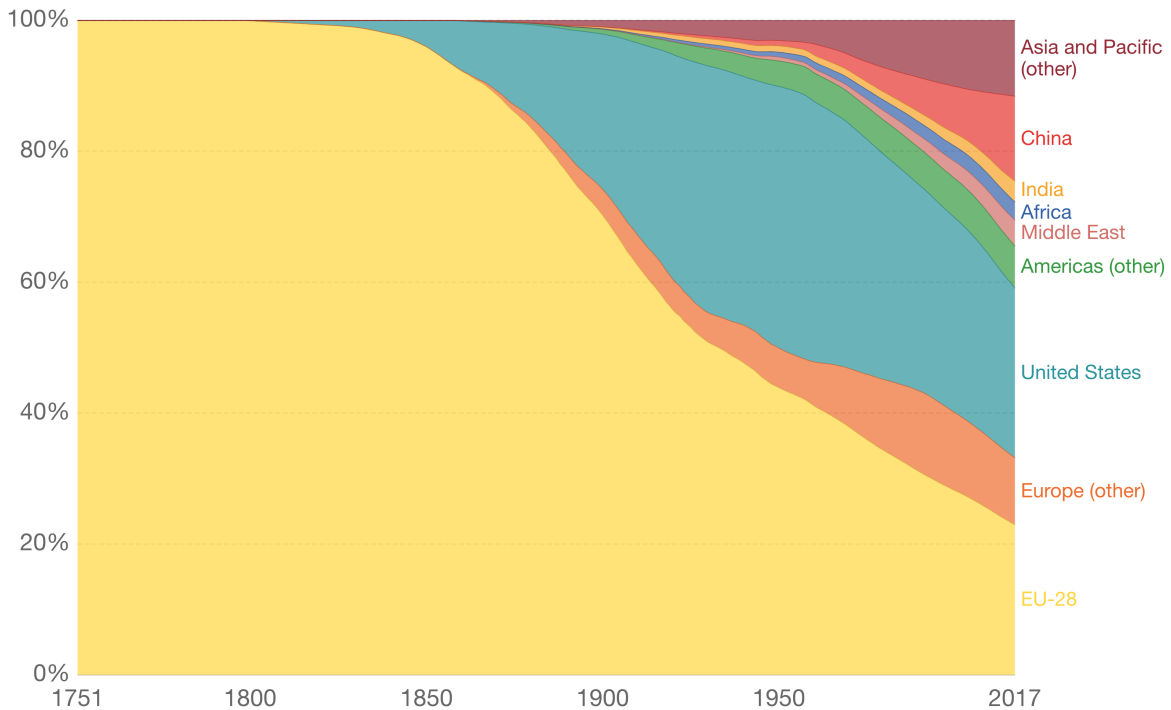
Source: NOAA/ESRL (2018)

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

# Cumulative CO<sub>2</sub> emissions by world region

Cumulative carbon dioxide (CO<sub>2</sub>) emissions by region from the year 1751 onwards. Emissions are based on territorial emissions (production-based) and do not account for emissions embedded in trade.

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in Data



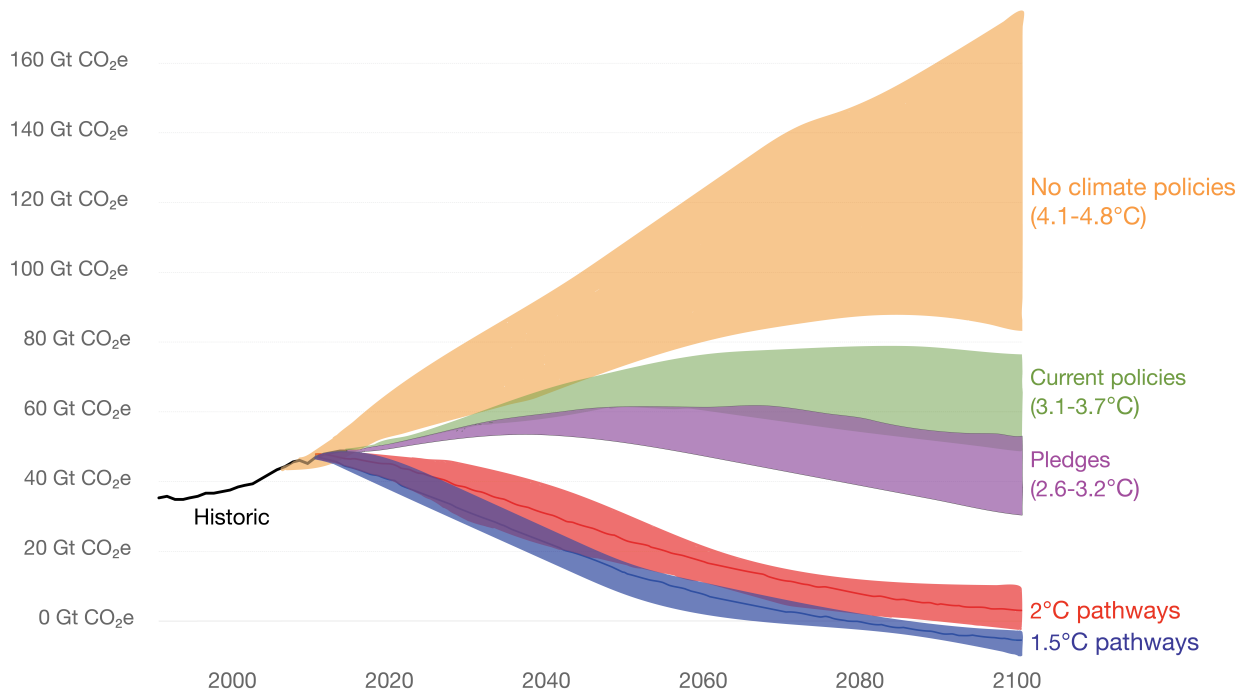
Source: OWID based on CDIAC & the Global Carbon Project (2018)

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# Global greenhouse gas emissions scenarios



Potential future emissions pathways of global greenhouse gas emissions (measured in gigatonnes of carbon dioxide equivalents) in the case of no climate policies, current implemented policies, national pledges within the Paris Agreement, and 2°C and 1.5°C consistent pathways. High, median and low pathways represent ranges for a given scenario. Temperature figures represent the estimated average global temperature increase from pre-industrial, by 2100.

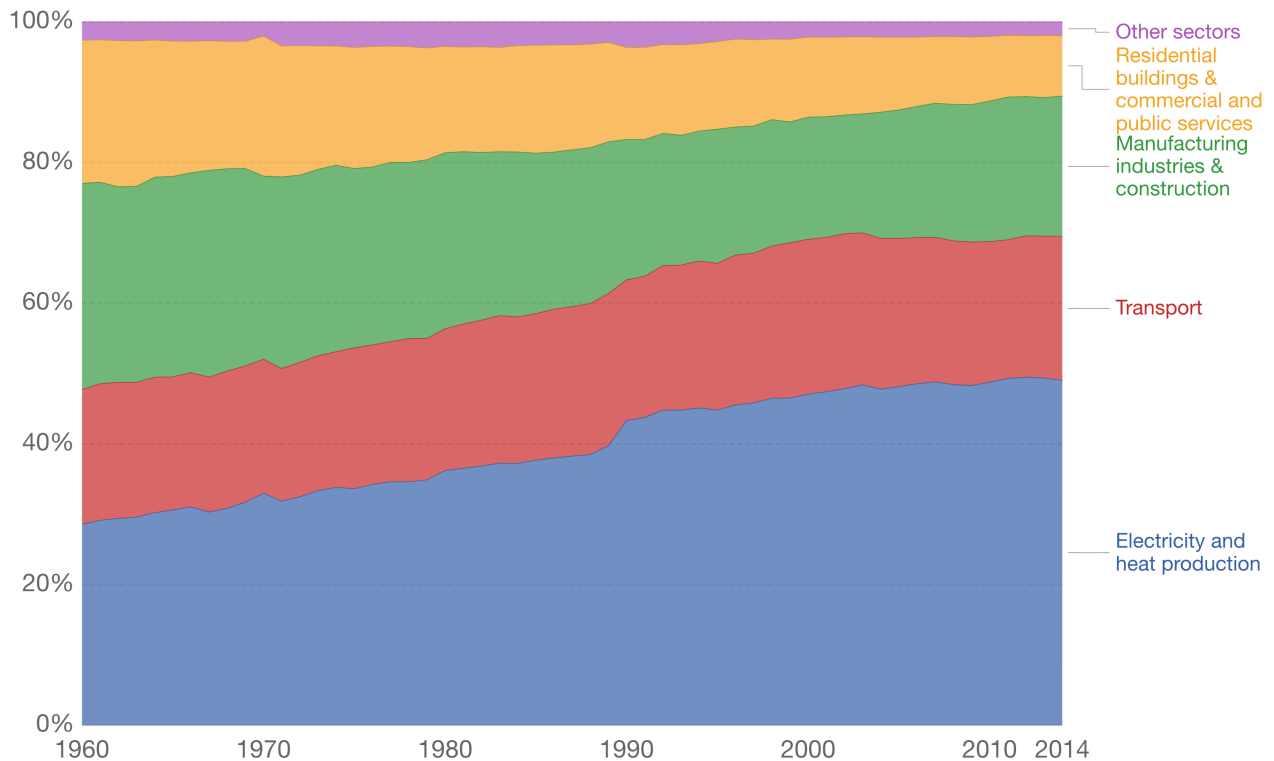


Based on data from the Climate Action Tracker (CAT). The data visualization is available at [OurWorldinData.org](https://OurWorldinData.org). There you find research and more visualizations on this topic. Licensed under CC-BY-SA by the authors Hannah Ritchie and Max Roser.

# Carbon dioxide (CO<sub>2</sub>) emissions by sector or source, World



Share of carbon dioxide (CO<sub>2</sub>) emissions from fuel combustion by sector or source.



Source: International Energy Agency (IEA) via The World Bank. [OurWorldinData.org/co2-and-other-greenhouse-gas-emissions](https://OurWorldinData.org/co2-and-other-greenhouse-gas-emissions) • CC BY