

Day 23: Addressing Climate Change Internationally

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PUBPL 481

Road map

- Overview of climate change
- US Federal (in)action
- Paris Accord

Global Climate

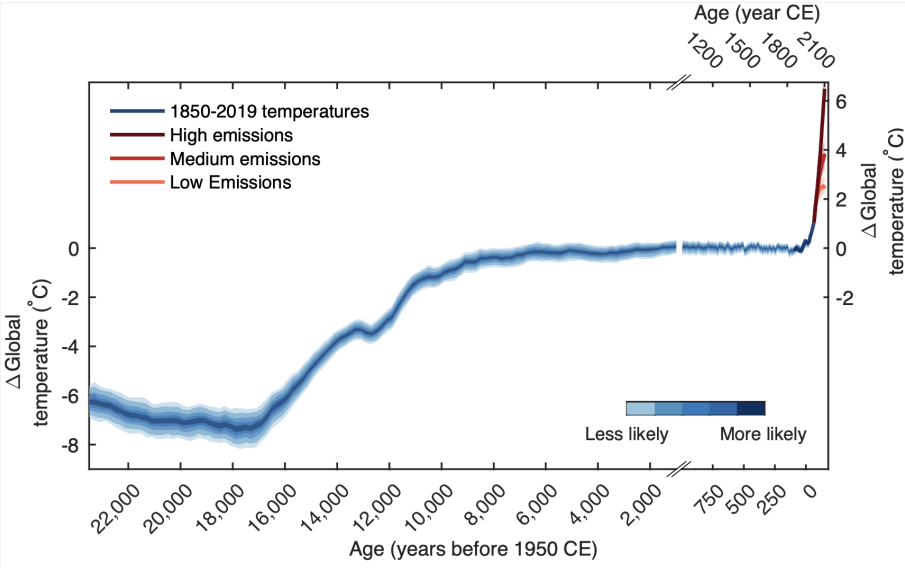
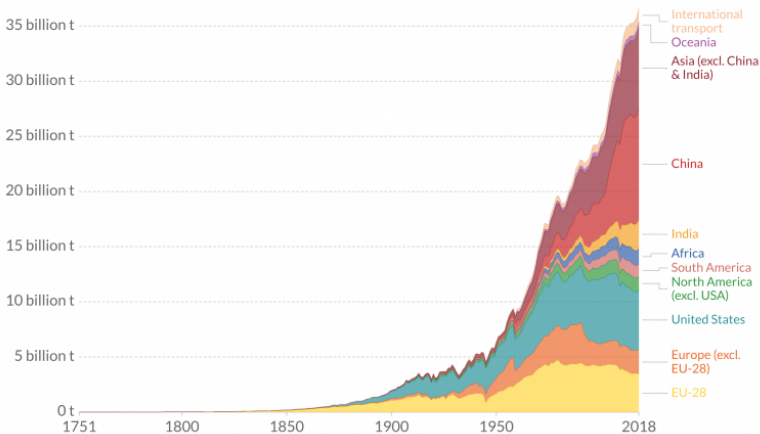


Figure: [Lee 2021](#)

Global Emissions

Annual total CO₂ emissions, by world region

Our World
in Data



Source: Carbon Dioxide Information Analysis Center (CDIAC); Global Carbon Project (GCP)
Note: 'Statistical differences' included in the GCP dataset is not included here.
OurWorldInData.org/co2-and-other-greenhouse-gas-emissions • CC BY

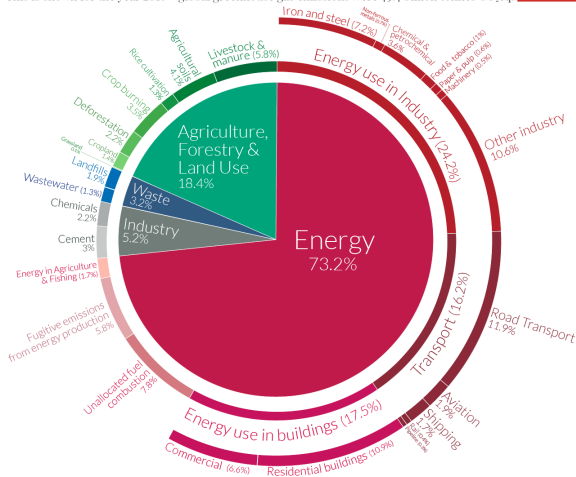
Figure: Ritchie and Roser

Global Emissions

Global greenhouse gas emissions by sector

This is shown for the year 2016 – global greenhouse gas emissions were 49.4 billion tonnes CO₂eq.

Our World
in Data



OurWorldinData.org – Research and data to make progress against the world's largest problems.

Source: Climate Watch, the World Resources Institute (2020).

Licensed under CC-BY by the author Hannah Ritchie (2020).

Figure: Ritchie 2020

US Emissions

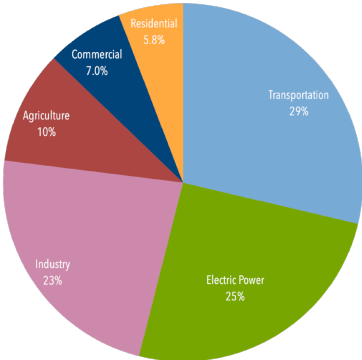
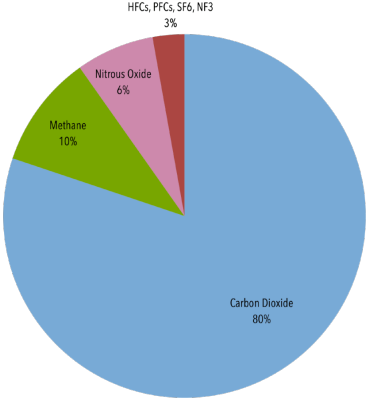


Figure: Center for Climate and Energy Solutions

US Emissions

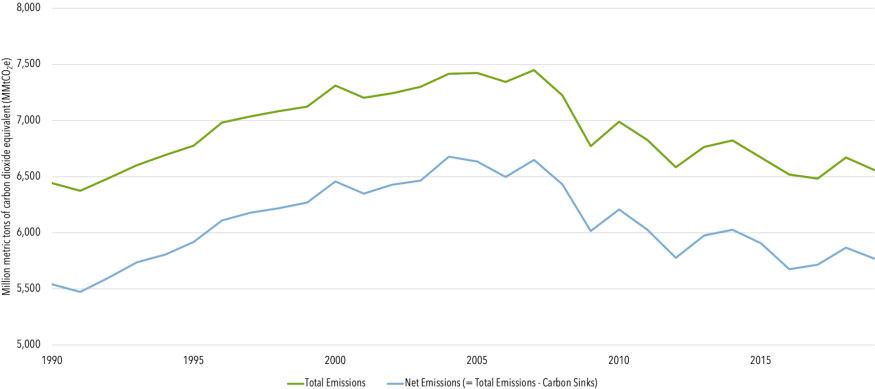


Figure: Center for Climate and Energy Solutions

Federal Climate (In)Action

- 1992: GHW Bush signs, Senate approves, [UN Framework Convention on Climate Change](#) - commitment to act, no binding targets
- 1997: Clinton signs Kyoto Protocol, does not submit to Senate for ratification - binding targets for developed countries only
- 2001: GW Bush declares US will not join Kyoto
- 2003-2010: Lots of unsuccessful, and even bipartisan, climate legislation in Congress
- 2015: Clean Power Plan - mandated state emissions reductions, but not mandated methods
- 2015: Paris Climate Agreement - Countries agree to set targets, no enforcement method (no Annex-1, non-Annex-1)
- 2017: Trump ends CPP, reviews emissions rules
- 2017-2020: Trump pulls US out of Paris Accord

Paris Accord

The Paris climate agreement: key points

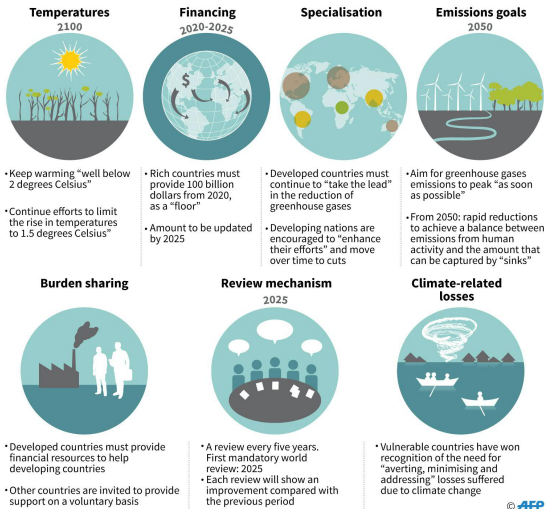


Figure: [edn Hub](#)

Paris Accord

How did it happen? https://youtu.be/MIA_1xQc7x8

What Does 1.5°C Mean?

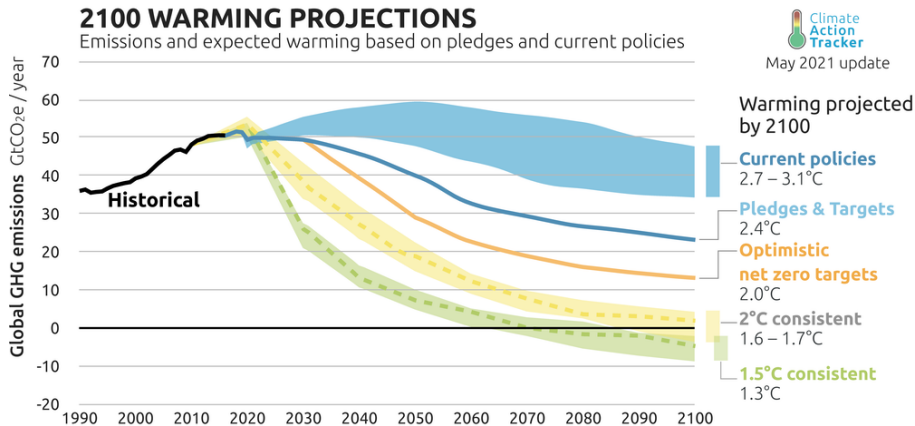


Figure: [Awaysheh 2021](#)

<https://youtu.be/q67IWTQ55vM>