

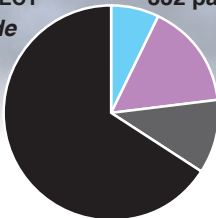
Record greenhouse gases

Greenhouse gases in the atmosphere rose to record levels in 2020 despite a decrease in new emissions due to the pandemic, jeopardizing the effort to cap rising temperatures

Roughly half of CO₂ emitted by human activities remains in atmosphere. Half is absorbed by "sinks" in ocean and land ecosystems but this may become less effective in future

GREENHOUSE GAS WARMING EFFECT

Carbon dioxide
CO₂ accounts for 66% of radiative forcing

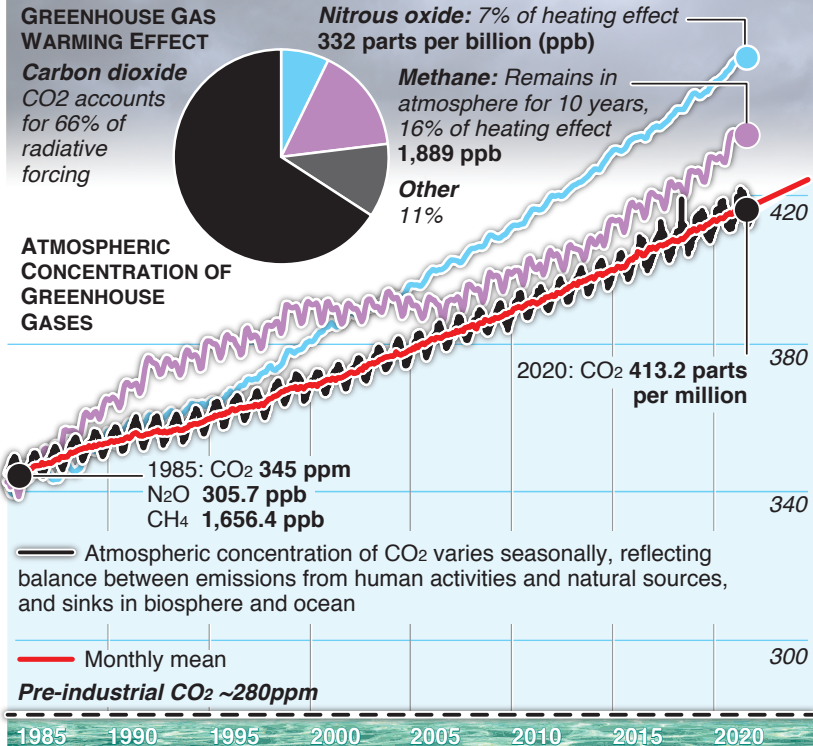


Nitrous oxide: 7% of heating effect
332 parts per billion (ppb)

Methane: Remains in atmosphere for 10 years, 16% of heating effect
1,889 ppb

Other
11%

ATMOSPHERIC CONCENTRATION OF GREENHOUSE GASES



Around 30% of CO₂ from human activity is dissolved into oceans, increasing acidity of water. Since 1750, acidity of ocean surface has risen by 30%