GLOBAL CARBON BUDGET 2012-2021

TOTAL EMISSIONS

ATMOSPHERIC CO₂ GROWTH RATE

TOTAL SINKS

GLOBAL METHANE BUDGET 2008-2017

TOTAL EMISSIONS

ATMOSPHERIC CH₄ GROWTH RATE

TOTAL SINKS

Glossary of terms:
Fossil fuels and industry: Emissions from the burning of fossil fuels and industrial processes.
Agriculture and waste: Emissions from livestock, rice paddies, and other agricultural activities.
Biomass and biofuel burning: Emissions from the burning of biomass and biofuels.
Other natural emissions: Emissions from processes such as volcanic activity and wildfires.
Sink from chemical reactions in the atmosphere: Emissions that are absorbed by chemical reactions in the atmosphere.
Sink in soils: Emissions that are absorbed by the soil.

In total tons CO₂ equivalent per year (Tg CO₂-eq / yr), the average over 2014-2021 from top-down approaches.

* This shows the observed atmospheric growth rate. The growth rate of 1.1 Tg CO₂-eq / yr reflects uncertainties of models in capturing the observed growth rate.