

Fossil CO₂



35
(34-37)

Land-use change



5
(2-7)

Biosphere



12
(9-15)

↗ Atmospheric CO₂

+19



Ocean



10
(9-12)



Anthropogenic fluxes
2013-2022 average
GtCO₂ per year



Carbon cycling
GtCO₂ per year



Stocks

CDR
↓
0.00001

500
↓
500
↑

Vegetation

Soils

Rivers
and lakes

Coasts

Surface
sediments

Organic carbon

290
↓
290
↑

Marine
biota

Dissolved
inorganic carbon

Gas reserves

Oil reserves

Coal reserves

Permafrost

Budget imbalance -2