

PPMV
CO2

2000

2050

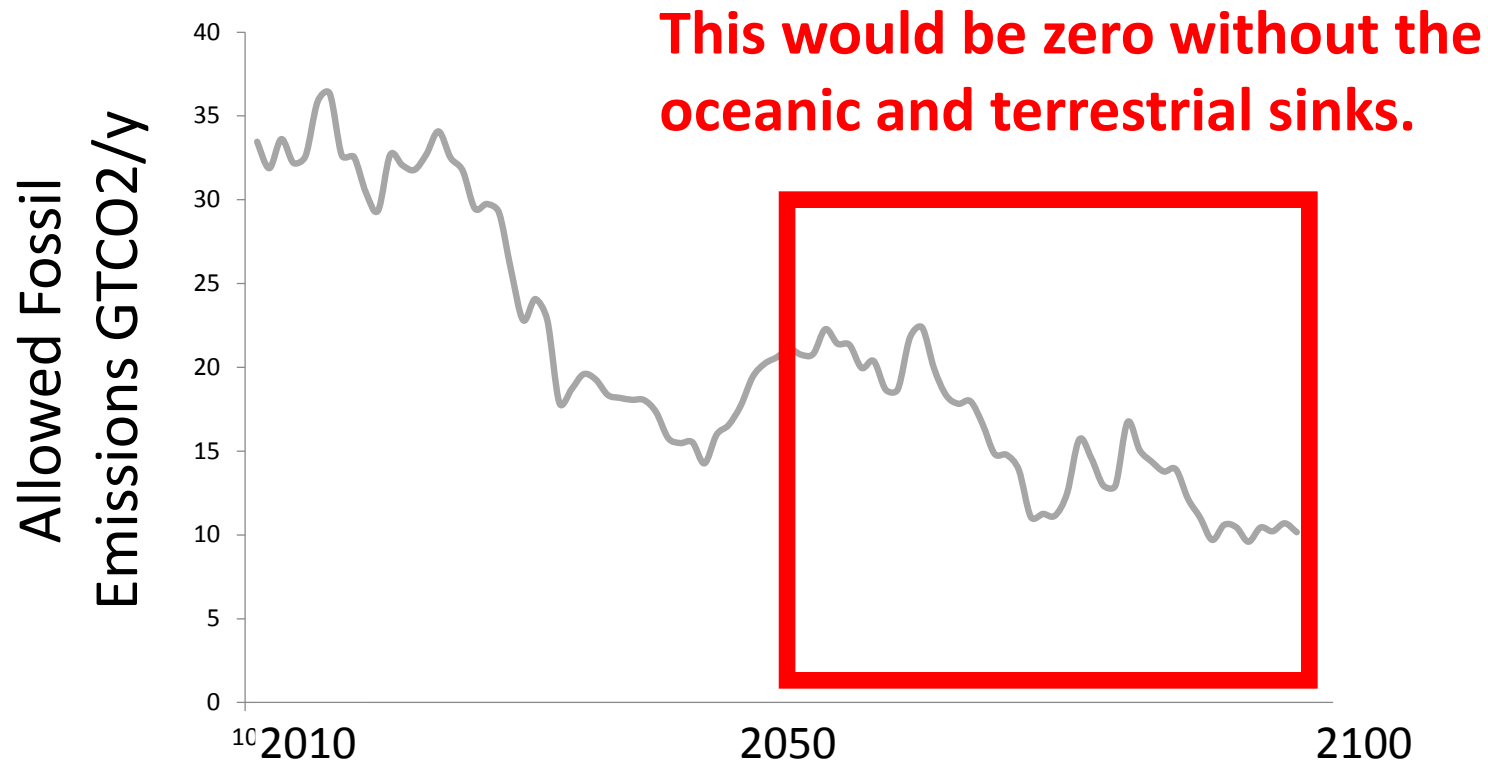
2100

RCP 2.6
Constant CO2 After 2050
~ 2 degrees C

Paris Agreement
Article 2: < 2 °C
Article 4: Sources equal sinks after 2050.

Net-zero
emissions after
2050

Paris Scenario Fossil Emissions



GFDL Earth System Model

Fate of anthropogenic CO₂ emissions (2006-2015)



34.1 GtCO₂/yr
91%



9%
3.5 GtCO₂/yr

Sources = Sinks

16.4 GtCO₂/yr
44%



31%
11.6 GtCO₂/yr



26%
9.7 GtCO₂/yr

