Introduction and Background

Chapter 1

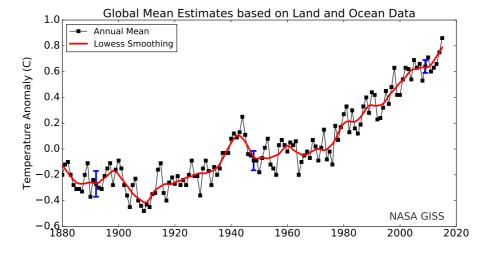


Figure 1.1: Temperature rise [GISS2016]

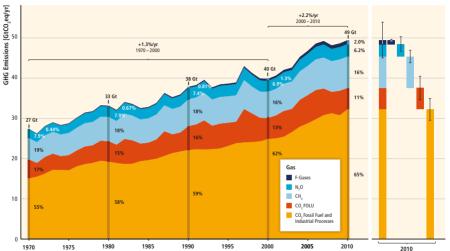


Figure 1.2: Antropogenic GHG emissions by group of gases (1970 - 2010) [IPCC2014]

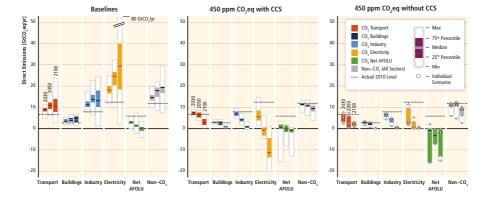


Figure 1.3: Review of different mitigation scenarios for 450 ppm

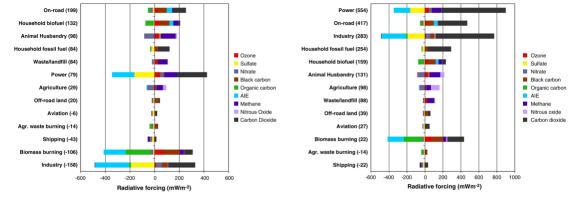


Figure 1.4: Radiative forcing due to 2000 level emissions grouped by sector in a) 2020 and b) 2100

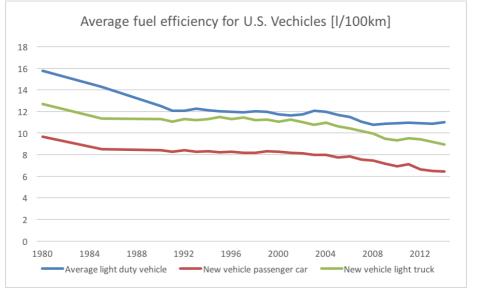
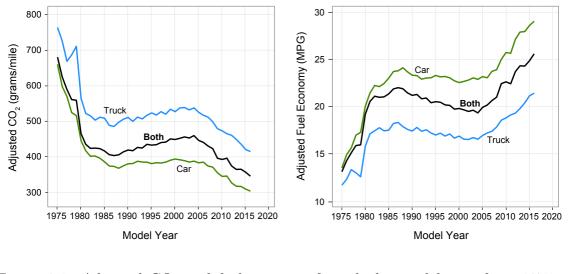


Figure 1.5:

Chapter 2 Review of the state of the art

Displacement



Adjusted Fuel Economy for MY 1975-2016¹

Adjusted CO₂ Emissions for MY 1975-2016¹

Figure 2.1: Adjusted CO_2 and fuel economy for vehicles model year from 1975 to 2016

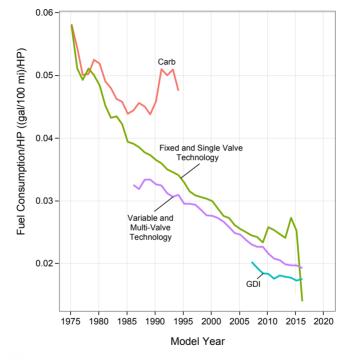


Figure 2.2: Trends of fuel consumption variation with the introduction of major fuel delivery and valve-train control technologies

Displacement

Displacement

$$\frac{HP}{in^2 \cdot year}$$

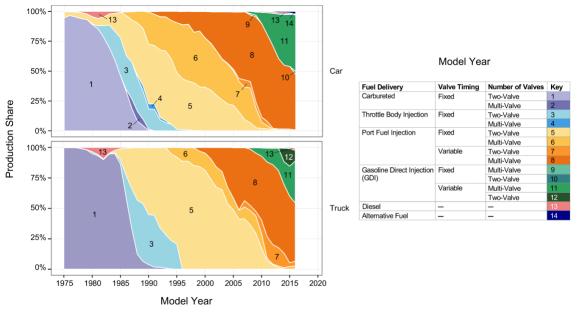


Figure 2.3: Percentage of MY equipped with a certain technology