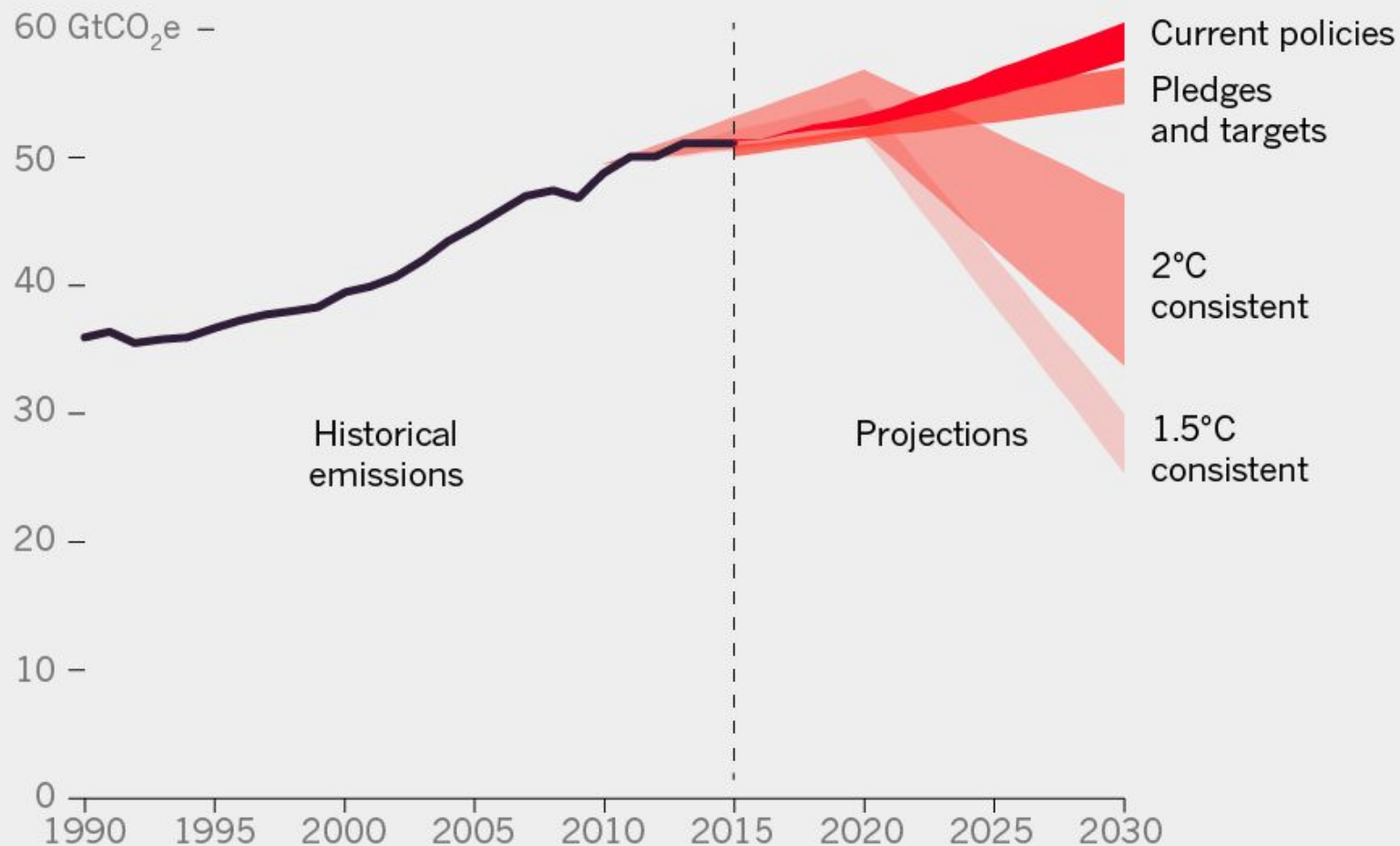
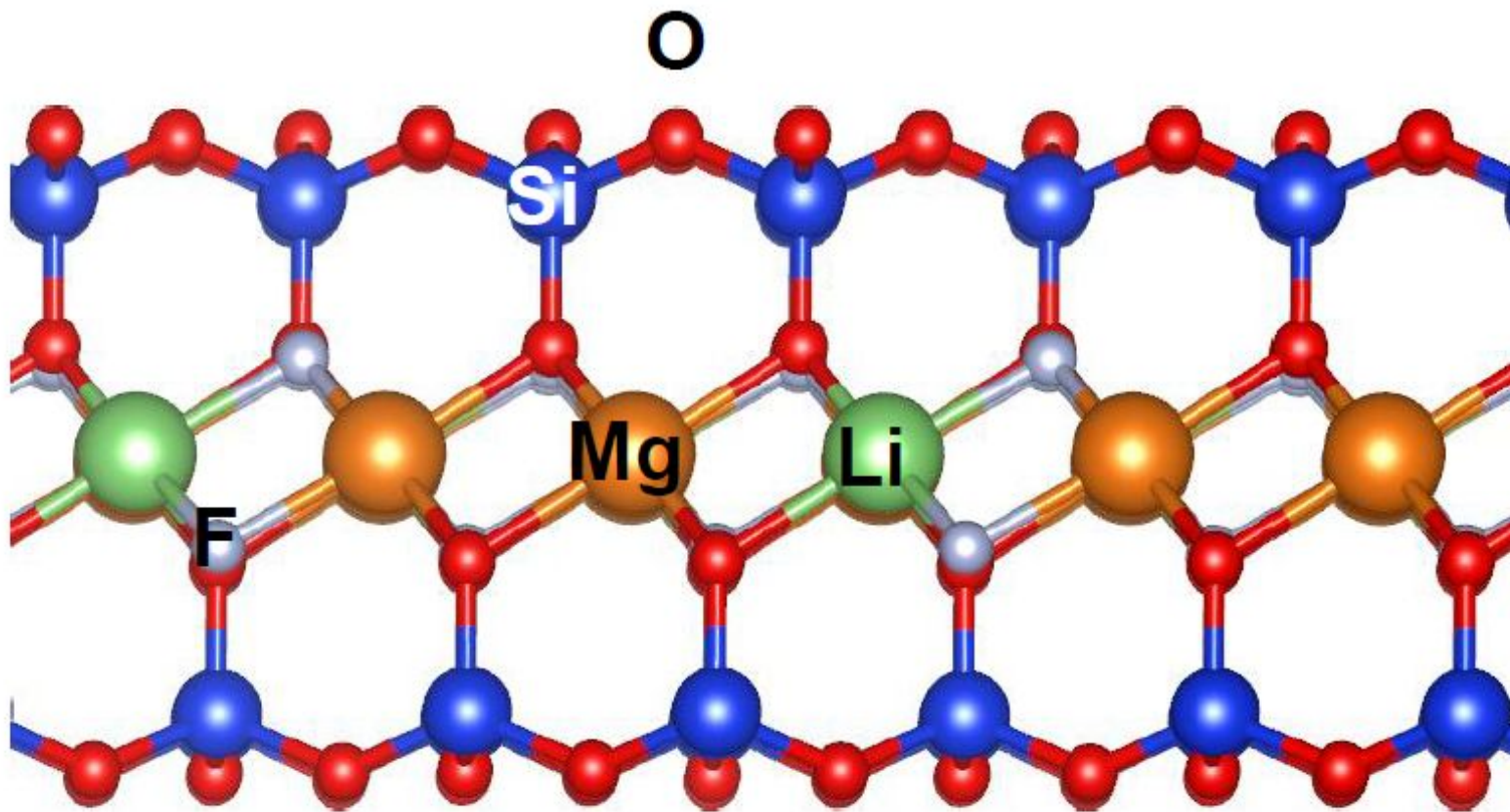


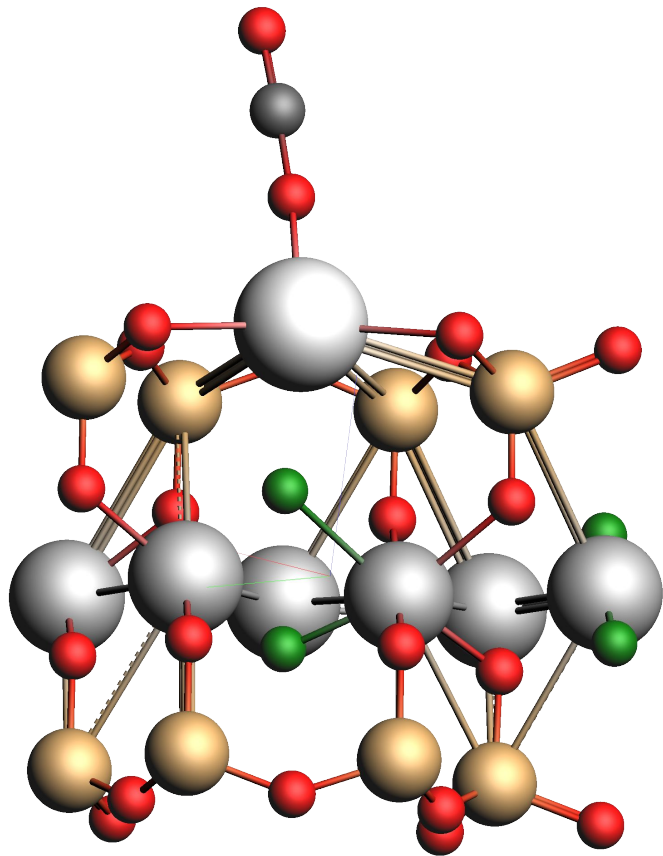
# Fluorohectorite for CO<sub>2</sub> capture – a DFT study

Siv-Marie McDougall

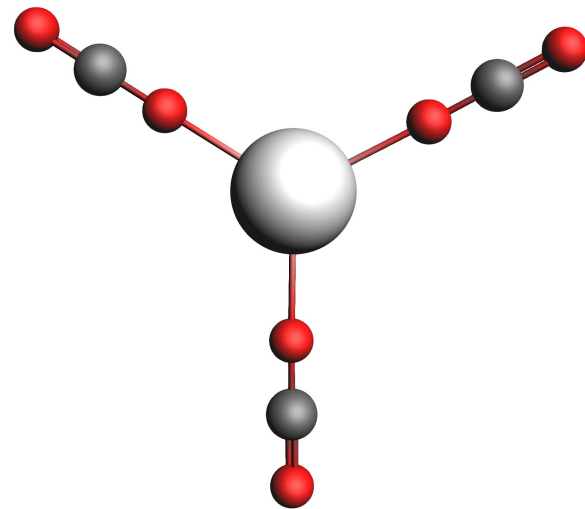


GtCO<sub>2</sub>e = 1 billion tonnes of CO<sub>2</sub> equivalent; and includes the warming effect of other greenhouse gases





$\text{NaLiMg}_5\text{Si}_8\text{O}_{20}\text{F}_4$  and  $\text{CO}_2$



Cation with 3 molecules  $\text{CO}_2$