Table 1. Relationship of Atmospheric Concentrations of Carbon Dioxide to Temperature

Stabilization CO_2-equivalent concentration (ppmv): range and best estimate			Equilibrium global average warming (°C)
320	← 340 →	380	1
370	← 430 →	540	2
440	← 540 →	760	3
530	← 670 →	1060	4
620	← 840 →	1490	5

Note: Green and red numbers represent low and high ends of ranges, respectively; **black bolded** numbers represent best estimates.

The report calculates the "likely" range (66% chance) of atmospheric concentrations associated with various degrees of warming, consistent with model results[1] and roughly consistent with paleoclimate evidence. There are large uncertainties in **'climate sensitivity'**—the amount of warming expected from different atmospheric concentrations of greenhouse gas—the range is 30% below and 40% above the best estimates.

[1]The estimated "likely" range presented in this report corresponds to the range of model results in the Climate Modelling Intercomparison Project (CMIP3) global climate model archive.