



Climate-ozone connections

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I will discuss the interaction between climate change and the recovery of the ozone layer. The changes to the stratosphere, which will occur on a time scale of ~ 50 years, are expected to be important because they will couple downward to affect surface climate. However, the evolution of the stratosphere will depend subtly on not just the chemical composition of the stratosphere, but how the troposphere changes, and how wave propagation into the stratosphere changes. The uncertainty of how vertical coupling will evolve makes it difficult to predict how future changes to the stratosphere will affect surface climate.