

ACOM Seminar

**Emissions of many ozone-depleting substances
have been increasing despite controls on their production**

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Date: Monday, March 13th 2023, 3:30pm – 4:30pm

Link: <https://operations.ucar.edu/live-acom>

ABSTRACT

The production of long-lived ozone-depleting substances is controlled under the Montreal Protocol – a globally ratified environmental treaty that has put stratospheric ozone on the path to recovery and avoided huge additional contributions to climate change. A recent major challenge to the Montreal Protocol was the discovery – using long-term observations – that emissions of CFC-11 were increasing despite a global ban on its production. This gained widespread public and political attention. CFC-11 is not the only ozone-depleting substance that has its emissions increase despite controls on its production. I will discuss some examples where emissions of controlled substances have recently been or are currently increasing and the possible drivers behind these increases. I will also discuss some of the challenges going forward in monitoring these gases using atmospheric measurements and models.