

# SEMINAR

## **The role of the stratosphere in sub-seasonal prediction**

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The stratosphere can have a significant impact on winter surface weather on weekly to monthly (so-called subseasonal to seasonal) timescales. Stratospheric events have been linked to cold air outbreaks over land and ocean, anomalous precipitation and flooding, as well as drought and wildfires, with significant consequences for human and ecosystem health and infrastructure. It is however less clear to what extent the stratosphere improves surface predictability on these timescales. While a higher predictability would significantly benefit a wide range of sectors, current model systems often struggle to correctly represent the coupling between the stratosphere and the troposphere. This presentation will give an overview over our current knowledge of stratosphere - troposphere coupling with regard to sub-seasonal prediction.

**Monday, November 23, 11:00 a.m.**

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

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