

## **ACOM Seminar**

# **Air-Vegetation Exchange, Micrometeorology, Stationarity**

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**Date: Monday, July 11<sup>th</sup> 2022, 3:30pm – 4:30pm**

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

### **ABSTRACT**

This talk reports on the long-lasting activity conducted or coordinated by the Joint Research Centre of the European Commission focused on air-vegetation exchange, especially ozone fluxes and the potential damage to vegetation that this process can cause. Measuring campaigns were conducted at various places over different surface covers, such as crops fields and forests. Most of these campaigns used micrometeorological methods.

Difficulties related to these methods arise from the interpretation of measurements where the lower atmosphere does not satisfy stationarity conditions. So a part of this presentation is devoted to an effort to identify periods when the lower layers of the atmosphere are not stationary. In particular, we are analyzing the case of solar eclipses.