

# SEMINAR

## **IASI has been probing the atmosphere for 10 years: Highlights and what's next**

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The IASI family of instruments has been sounding the atmosphere since 2006 onboard the Metop series of satellites. Using the radiance data recorded in the thermal infrared spectral range concentrations for atmospheric compounds can be derived, and circulation patterns can be followed from space. Now that a ten year record of trends can be determined, we will be able to manipulate the data in near real time to detect exceptional events, such as large fires, volcanic plumes, specific dynamics events, and high pollution peaks. We will also be able to contribute to future forecasting using data assimilation. The talk will present some recent results and also future plans.

**Monday, July 31, 2017, 3:30 p.m.**

Refreshments 3:15 p.m.

NCAR Foothills Laboratory

3450 Mitchell Lane, Boulder, CO 80301

FL2-1022, Large Auditorium

Live webcast: <http://ucarconnect.ucar.edu/live>

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