Advanced Webinar: MODIS to VIIRS Transition for Air Quality Applications

October 22, 2020

09:00-10:30 EDT (Session A) or 16:00-17:30 EDT (Session B)

With the end of the MODIS data record approaching, it is important that current MODIS users transition to VIIRS data and visualization tools. As they make this transition, users also need information regarding which MODIS geophysical parameters will be available with VIIRS and vice-versa, and the differences between them.

This training will teach users how to access VIIRS data products, the differences involved in using VIIRS as opposed to MODIS, and how to apply VIIRS aerosol optical depth observations for air quality applications.

Session Overview

- Review of MODIS and corresponding VIIRS air quality-related parameters
- Discussion of similarities and differences between MODIS and VIIRS
- VIIRS air quality products from NASA and NOAA
- Access and visualization of NASA VIIRS data products
- VIIRS Aerosol Optical Depth (AOD) - data analysis using python scripts
- Examples of air quality applications of VIIRS data

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