Satellite Remote Sensing of Air Quality
November 18-19, 2018

Partners: NASA ARSET, IIRS Dehradun, and ISPRS
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Sunday, November 18

09:00 - 09:30  Registration and Logistics  
IIRS
09:30 - 10:30  Opening and Tea Break
10:30 - 11:30  Introduction to Satellite Remote Sensing for Air Quality  
ARSET: Lecture, Discussion
12:00 - 12:30  Exploring Satellite Imagery Using Worldview  
ARSET: Hands-On
12:30 - 13:00  Air Quality Observations from Indian Satellites: Visualization & Analysis  
VEDAS, MOSDAC  
IIRS: Lecture, Discussion
13:00 - 14:00  Lunch Break
14:00 - 14:30  Air Quality Observations from Indian Satellites: Visualization & Analysis  
VEDAS, MOSDAC  
IIRS: Hands-On
14:30 - 15:30  Satellite Remote Sensing of Aerosols  
MODIS, VIIRS  
ARSET: Lecture, Discussion
15:30 - 15:45  Tea Break
15:45 - 16:15  Level 2 Aerosol Data Search and Download  
Earthdata, LAADSWeb  
ARSET: Lecture, Discussion
16:15 - 16:45  Exploring and Mapping Level 2 Aerosol Data Using Panoply  
ARSET: Hands-On
16:45 - 17:15  Accessing and Analyzing Level 3 Aerosol Data  
Giovanni  
ARSET: Hands-On
17:15 - 17:45  Validation of Aerosol Datasets  
ARSET: Hands-On
17:45 - 18:00  Discussion and Review of Day 1
Monday, November 19

09:30 - 09:45  Review of Day 1 and Goal of Day 2
09:45 - 10:00  Discussion and Grouping for Case Study Analysis
10:00 - 11:00  Trace Gases and Air Quality Modeling: An Introduction
                   IIRS: Lecture, Discussion
11:00 - 11:15  Tea Break
11:15 - 12:00  Satellite Remote Sensing of Trace Gases, Products, and Data Access
                   ARSET: Lecture, Demonstration
12:00 - 13:00  Model and Satellite Intercomparison: Using RSIG Tool
                   IIRS: Lecture, Hands-On
13:00 - 14:00  Lunch Break
14:00 - 15:00  Satellite Remote Sensing of Particulate Matter Air Quality
                   ARSET: Lecture, Discussion
15:00 - 15:30  PM$_{2.5}$ Estimation Using Satellite Data
                   ARSET: Hands-On
15:30 - 15:45  Tea Break
15:45 - 16:00  PM$_{2.5}$ Datasets and Access
                   ARSET: Hands-On
16:00 - 17:30  Participants Work on Air Quality Case Studies
17:30 - 18:30  Participant Presentation on Air Quality Case Studies
18:30  Training Ends