



NASA Applied Remote Sensing Training (ARSET) Program Overview

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NASA's Applied Remote Sensing Training Program (ARSET)

http://arset.gsfc.nasa.gov/

- Empowering the global community through remote sensing training
- Part of NASA's Applied Sciences Capacity Building Program
- Goal: increase the use of Earth Science in decision-making through training for:
 - policy makers
 - environmental managers
 - other professionals in the public and private sector
- Trainings offered focusing on applications in:



Disasters
9 Trainings



Eco 12 Trainings



Health & Air Quality 52 Trainings



Water Resources 20 Trainings

ARSET Training Impacts: Health & Air Quality (2008-2016)

Total ARSET Participants (2009-2016): 12,846

Health & Air Quality **Participants** 2.978





16 online trainings



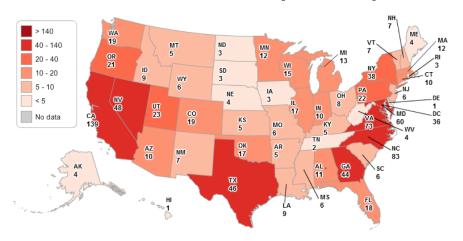
75 countries



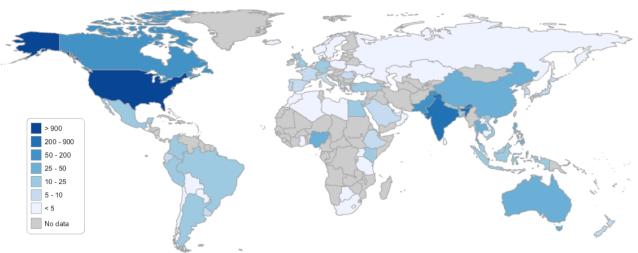
37 in-person trainings 836 organizations



US Health & Air Quality Participants



Global Health & Air Quality Participants





ARSET Training Levels

Advanced Training, Level 2

- Online and in-person
- Requires Level 1 training or equivalent knowledge
- More in-depth or focused topics

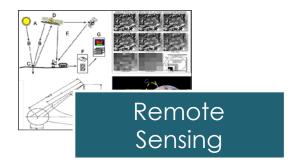
Beginning Training, Level 1

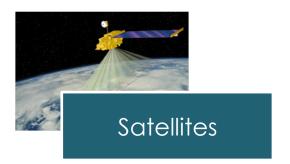
- Online and in-person
- Requires Level 0 training or equivalent knowledge
- Specific applications

Fundamentals Training, Level 0

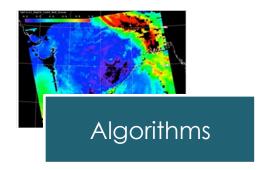
- Online only
- Assumes no prior knowledge of remote sensing

ARSET Air Quality Trainings

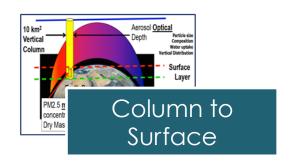




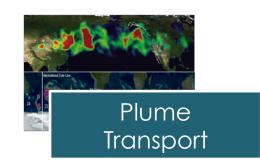




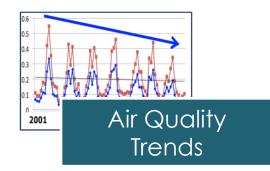


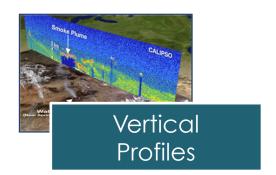














Recent Air Quality Trainings

- Satellite Derived Annual $PM_{2.5}$ Data Sets in Support of United Nations Sustainable Development Goals
 - 3 week webinar series, March 15-29, 2017
 - 391 attendees from 61 countries
- Satellite Remote Sensing of Air Quality: Data, Tools and Applications
 - IITM, Pune, India, May 23-26, 2017
 - 55 attendees from 30 organizations

- NASA ARSET Air Quality Remote Sensing Training
 - South Coast Air Quality Management District
 - September 19-21, 2017
 - 32 attendees from 21 organizations









Tentative Trainings for 2018

- High Resolution Data and Tools for Air Quality Applications
 - Advanced Webinar Series January 17, 19, 22
- Satellite Remote Sensing of Air Quality in Southeast Asia
 - In-Person Training, Jakarta March 20-23
- High Temporal Resolution Data from Geostationary Platforms for Air Quality Applications
 - Introductory Webinar Series (Summer 2018)
- Smoke and Dust Monitoring in the Northwestern U.S.
 - In-Person Training (Fall 2018)

Learn More About ARSET

http://arset.gsfc.nasa.gov/

