



September 2026 Newsletter

NASA Applied Remote Sensing Training (ARSET) Program



Earth Science Applications Guidebook. Credit: NASA Earth Action.

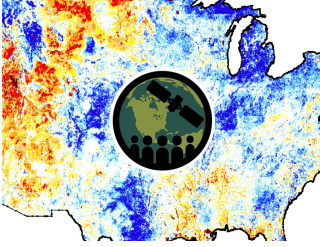
ARSET strives to empower you to be able to confidently use Earth observation data for your work and decision making. We hope you have found value in one the several trainings we delivered this summer. Our recent trainings covered [monitoring floods](#), [the applications of interferometric SAR \(InSAR\) data from the newly launched NISAR mission](#), [modeling species distribution with Google Earth Engine](#), [estimating near-surface PM2.5 with satellite aerosol optical depth \(AOD\)](#), and [using Earth observations for reservoir and water utility management](#). If you participated in any of these trainings, we would love to hear [how you have applied what you learned in your work](#). Likewise, we are actively planning trainings for 2027, so if you have an application you would like covered by a training, [please share your idea](#).

In addition to our trainings, ARSET with [NASA Earth Action](#) released the NASA Earth Science Applications Guidebook. The Guidebook is a new resource designed to help Earth scientists turn their research into real-world impact. It draws on the experience of more than 50 NASA and NASA-funded scientists to provide practical guidance on Earth Action projects including:

- Understanding NASA's Earth Science to Action strategy
- Developing competitive Earth Action proposals
- Managing successful applications projects

If you are planning to propose to a [ROSES solicitation](#), this will be an essential resource. The Guidebook offers expert tips, real-world examples, and downloadable resources covering everything from understanding partner needs and building effective collaborations to planning for sustained use and measuring impact. [Check it out today](#).

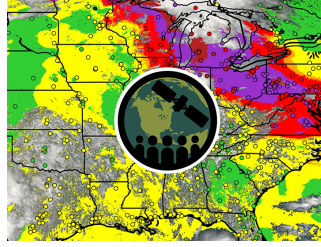
Upcoming Trainings



Agricultural Flash Drought Detection using Solar-Induced Fluorescence (SIF) and Soil Moisture Data

September 24-29, 2026

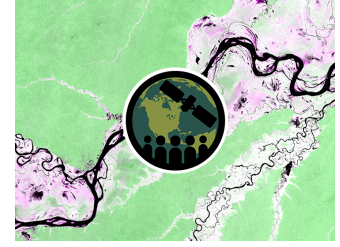
This ARSET training covers how to detect and monitor flash droughts using OCO-2 Solar-Induced Fluorescence (SIF) and SMAP soil moisture satellite observations.



Geostationary Remote Sensing of Aerosols for Air Quality Applications in North America

October 13-15, 2026

This ARSET training provides an overview of TEMPO aerosol products for air quality applications using [NOAA's AerosolWatch](#).



Monitoring Surface Water with SAR for Water Resource Management

October 20-27 2026

This bilingual ARSET training demonstrates the use of NISAR SAR data and OPERA surface water products to detect, map, and monitor surface water.

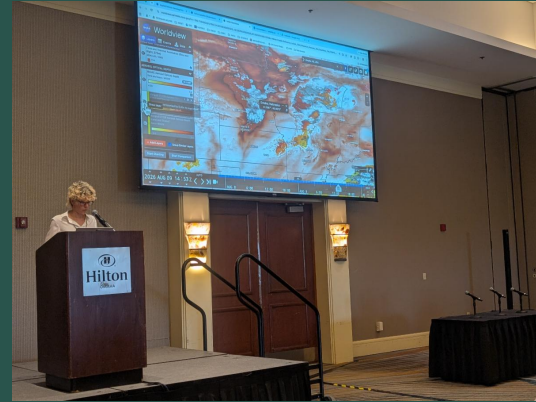
ARSET On-The-Go



Kaitlyn Lemon presents to workshop participants at Conservation District Summer Meeting. Credit: NASA ARSET.

On July 20th, ARSET Instructor Kaitlyn Lemon led [two introductory, in-person workshops](#) in Grand Rapids, Michigan as part of the [National Association of Conservation Districts' Summer Meeting](#). Lemon provided participants with an overview of NASA Earth observation (EO) data products and web tools for

supporting agriculture and conservation district needs. She also gave an overview of NASA Earth observation data access through Worldview and AppEEARS.



Carl Malings, Caterina Mogno, and Aaron Naeger give a training at the 2026 National Air Quality Conference. Credit: NASA ARSET.

ARSET Instructors Carl Malings, Caterina Mogno, and Aaron Naeger led an in-person training in Omaha, Nebraska on August 10th as part of the [2026 National Air Quality Conference](#). The training, [NASA Satellite Observations and Tools for Air Quality Management](#), introduced participants to how satellite remote sensing works to detect aerosol and trace gas pollutants. Malings, Mogno and Naeger also covered resources and tools from NASA and partner organizations for accessing and visualizing these data. They covered case studies of how these tools can be used to examine aerosol and trace gas pollutants. Those in attendance worked primarily in regional, local, and tribal entities.

Additional Resources



Suomi NPP Data Product Delivery to Cease on November 1, 2026

Delivery of science data products from the Suomi National Polar-orbiting Partnership ([Suomi NPP](#)) satellite will cease at 13:00 Universal Time (UTC) on November 1, 2026 (2026/305), NOAA's National Environmental Satellite, Data, and Information Service (NESDIS) announced on August 3, 2026. NASA archives and distributes data from Suomi NPP through Earthdata and multiple distributed data archive centers. Please note that the cessation date for Suomi NPP data is subject to change, and further updates will be provided as November 1 approaches.

[More information is available about the transition.](#)



EarthRISE Developers Academy Accepting Applications for Next Cohort

The EarthRISE Developers Academy has opened applications for their Spring cohort, running January 11 – April 16, 2027. The Academy allows participants to apply NASA Earth observations to real-world challenges. Those accepted into the program will use NASA mission data and work with NASA scientists to create innovative applied science solutions that boost efficiency and resilience for key

partners and support the demands of an actively growing geospatial workforce. Applications close October 9th.

[Learn more about the Academy and apply.](#)



Recharge with NASA POWER at 5th Annual Global Community Summit

Join NASA Prediction of Worldwide Energy Resources (POWER) for their 5th annual Global Community Summit on September 22-23, 2026, in person at NASA Langley Research Center or virtually. NASA POWER provides solar and meteorological data from satellite observations and models to help worldwide users respond to challenges and societal needs. Learn about POWER's latest service and data enhancements, hear how users are utilizing POWER data to shape the current and future landscape of energy, buildings, and agriculture, and provide valuable feedback to the team on data and product offerings.

[Learn more and register.](#)



HAQAST Update

The NASA Health and Air Quality Applied Sciences Team (HAQAST) has a new website: haqast.wisc.edu. HAQAST is a collaborative team that works in partnership with public health and air quality agencies across the globe to use NASA data and tools for the public benefit.

Please update any bookmarks accordingly with this new website.

Private Sector Engagement Office Starts Newsletter

The NASA Earth Science Private Sector Engagement Office now has a quarterly newsletter. Subscribe to *EarthVantage* for the latest opportunities and resources to help bridge the gap between cutting-edge Earth observation and innovative business strategy.

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Build skills to use remote sensing data for a range of applications related to air quality, public health, agriculture, disasters, ecological conservation, water resource management and wildland fires.

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