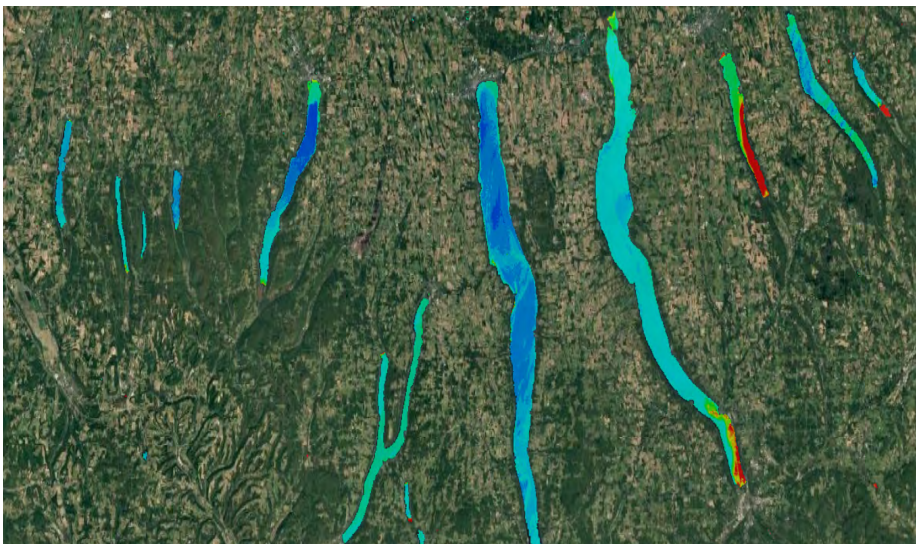
Newsletter

ARSET

March 2026



STREAM image of total suspended solids in the Finger Lakes, May 12, 2025.

Welcome to our first newsletter of 2026! We are delighted to share our 2025 Annual Report. Every year, ARSET publishes a summary of our training activities and key moments from the previous year. Find a sneak peek into our 2025 participation below. We invite you to view the report and we thank you for your continued attendance and feedback.

It has been a busy start to the year. We expect to release a Spanish version of our very popular Fundamentals of Remote Sensing self-paced course this month. Please keep an eye on our website for that addition. So far in 2026, we have hosted four live, instructor-led trainings. Our next training is Monitoring Groundwater Changes for Water Resources Management. The three-part, advanced training will show participants how Gravity Recovery and Climate Experiment (GRACE) and Follow-On (GRACE-FO), Observational Products for End-Users from Remote Sensing Analysis' surface displacement products (OPERA-DISP), and Global Land Data Assimilation System (GLDAS) groundwater data can be used to assess seasonal and interannual groundwater changes. This information is useful for applications like drought and flood monitoring, agricultural water management, and subsidence.

We have more planned in the coming months including trainings focused on urban heat island mapping and the recently launched NISAR mission. We hope to see you at a future training!

Upcoming Trainings

28 - 30 April 2026
Monitoring Groundwater Changes for Water Resources Management

March 2026
Fundamentos de la Teledetección (a su propio ritmo)

Recent Trainings

14 - 21 January 2026
Advanced NASA Earth Observations and Tools for Active Fire, Smoke, and Post-Fire Monitoring (Bilingual)

20 - 22 January 2026
Geostationary Remote Sensing of Trace Gases for Air Quality Applications in North America

10 - 17 February 2026
Monitoring Water Quality in Lakes and Coastal Regions Using STREAM

24 - 26 February 2026
Visualizing Land Cover and Land Use Change with NASA Satellite Imagery

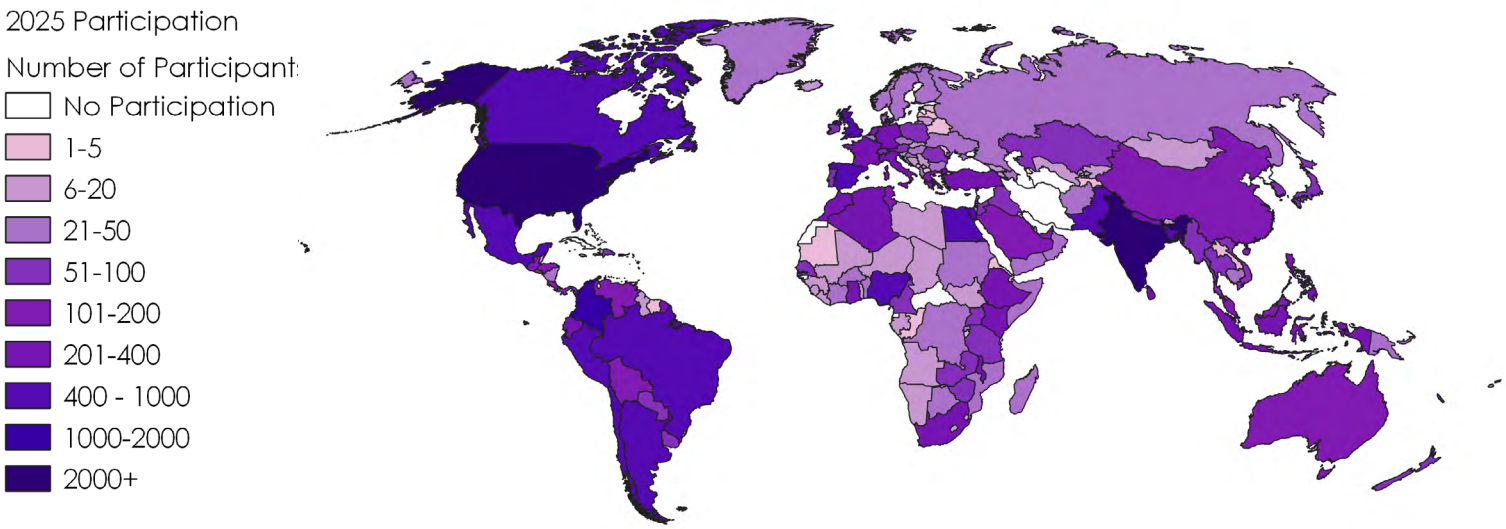
ARSET On-The-Go

2026 Commodity Classic in San Antonio, TX

ARSET Instructor Sean McCartney led a learning session titled "Agriculture from Space: How NASA Monitors Agricultural Systems for Data Driven Decision Making" at the 2026 Commodity Classic. The event is America's largest farmer-led, farmer-focused agricultural & educational experience. McCartney presented information about NASA's satellite-based agricultural monitoring and its applications for global food security, environmental sustainability, and economic stability.

Sean McCartney presents to an audience at the 2026 Commodity Classic.

ARSET 2025 Annual Report Highlight



Please visit our Resources Page to explore our catalog of annual summaries.

Additional Resources

Learn All About PACE

The NASA Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) Applications team is hosting a free, virtual workshop on March 11th and 12th on the applications of PACE data for aquatic, terrestrial, and atmospheric domains. Participants can expect presentations, interactive sessions, and practical tutorial demonstrations about PACE discoveries, impact, and how PACE's capabilities can serve your applications needs. All experience levels are welcome. Register today for the workshop.

SWOT Takes Stock of World's River Water

The Surface Water and Ocean Topography (SWOT) satellite, a joint mission led by NASA and the French space agency Centre National d'Études Spatiales (CNES), has tracked Earth's rivers' monthly swelling and shrinking from October 2023 through September 2024. The data revealed significantly less of a swing in river storage changes than previous model-based estimates. While SWOT does not measure the absolute volume of rivers, it can track their width, surface height, and slope changing over time, providing a window into river channels. The visualizations and datasets are available to view here.