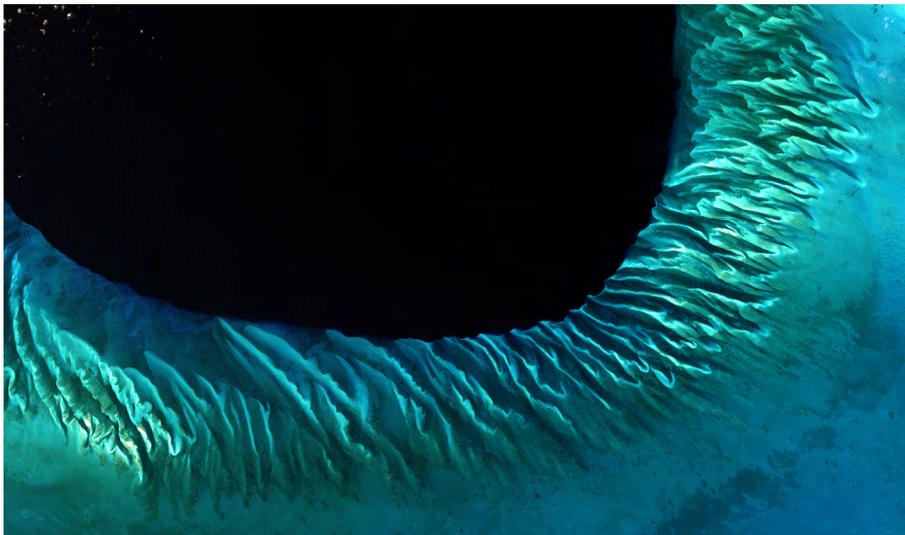


Newsletter



December 2025



Landsat-8 image of the Tongue of the Ocean in the Bahamas, showcasing the contrast between the deep, dark ocean basin and the shallow, turquoise Great Bahama Bank.

Welcome to ARSET's December Newsletter! The end of the year is fast approaching so now is the time to recap 2025. This year, we offered 21 live, instructor-led trainings (17 online and 4 in-person). Our last instructor-led training of the calendar year, running this month, is [NASA Satellite Laser Altimetry for Coastal and Near-Shore Bathymetry](#). This training explains how the ATLAS instrument on ICESat-2 penetrates the surface of the water to reach depths of up to 40 meters, and how these data can be used for coastal and marine management.

In addition to our live, instructor-led trainings, we want to remind our community about our online, self-paced [Fundamentals of Remote Sensing](#) (próximamente en español) and [Hyperspectral Data for Land and Coastal Systems](#) trainings. They can be accessed at any time and provide a flexible and interactive user experience to optimize your learning. Over 12,000 users (and counting) have registered to take these courses.

In closing, registration numbers alone cannot express the true impact of the trainings we offer. To gain a true understanding, we need to hear from you. If one of our trainings has impacted your work or research, please let us know! You can fill out [this form](#) to tell us about your work.

We're preparing an exciting lineup of trainings for 2026, and we can't wait to share them with you. Sign up for our [email listserv](#) to be the first to find out about new trainings. We hope you have a wonderful holiday season!

Upcoming Trainings

January, 2026

[Geostationary Remote Sensing of Trace Gases for Air Quality Applications in North America](#)

2026

[Fundamentals of Remote Sensing for Air Quality Applications \(Self-paced\)](#)

[Fundamentals of Remote Sensing for Land Applications \(Self-paced\)](#)

[Fundamentals of Remote Sensing for Water Applications \(Self-paced\)](#)

Recent Trainings

30 September, 2025

[Airborne Data Applications for Invasive Species Mapping](#)

October, 2025

[Remote Sensing for Climate Sensitive Infectious Diseases](#)

[SIF Observations for Assessing Vegetation Changes Related to Floods, Drought, & Fire Impact](#)

[Spaceborne Lidar for Monitoring Vegetation Structure and Biomass using GEDI](#)

12 - 19 November, 2025

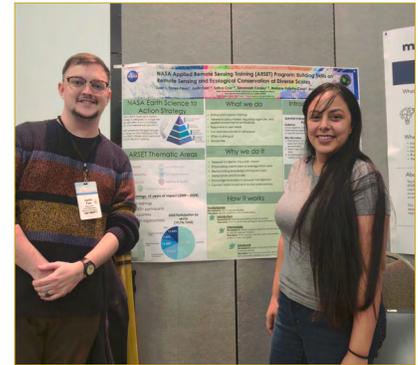
[Advanced NASA Earth Observations and Tools for Active Fire, Smoke, and Post-Fire Monitoring](#)

ARSET On-The-Go

Our instructors have been busy the last few months carrying out a workshop and an in-person training in Wisconsin and New York:

Midwest Climate Resilience Conference

ARSET Instructors Justin Fain and Sativa Cruz led a working session titled “NASA Earth Observations for Environmental Challenges and Opportunities in the Midwest” at the [2025 Midwest Climate Resilience Conference](#), held this year in Milwaukee. They presented information about the applications of NASA Earth Data, discussed the direction of future regionally-based training and resource development, and identified pathways for future collaborations.



Instructors Fain and Cruz with a poster showcasing ARSET at MCRC 2025.

NASA Earth Observations for Private Sector Decision-Making

In November, ARSET Instructors Sean McCartney, Erika Podest, and Amita Mehta led an in-person training for private sector stakeholders in New York City. The training, which was in collaboration with the NASA



Private sector training participants and instructors.

Private-Sector Engagement Program, focused on the application of satellite and model data for assessing fire and flood events. Participants from companies like Morgan Stanley, Intercontinental Exchange, Blackrock, and S&P Global were in attendance.

Additional Resources

First Radar Images from NISAR

The [first images](#) of the Earth’s surface from the NASA-ISRO Synthetic Aperture Radar (NISAR) satellite are in! The satellite was launched by NASA and the Indian Space Research Organization (ISRO) on July 30th in Andhra Pradesh, India. The preliminary images showcase different types of land cover on Maine’s Mount Desert Island and North Dakota’s Grand Forks and Walsh counties. NISAR is the most advanced radar system ever launched by NASA and ISRO. These photos offer an exciting glimpse into what is to come from this satellite.

Ocean Monitoring Gets New Satellite

A [new satellite](#) is joining the European Union’s family of Copernicus missions. NASA and its partners launched the Sentinel-6B satellite on November 16. The latest in a series of ocean-observing radar altimetry missions, Sentinel-6B will provide key information about wind speeds, wave heights, atmospheric temperature, and humidity. Combined with data from other instruments, that knowledge can help in forecasting marine weather, including the development of hurricanes.