



Image Credit: Landsat 7, Earth As Art | USGS



The NASA Applied Remote Sensing Training (ARSET) Program

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ARSET Project Scientist

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Ecological Conservation Thematic Area

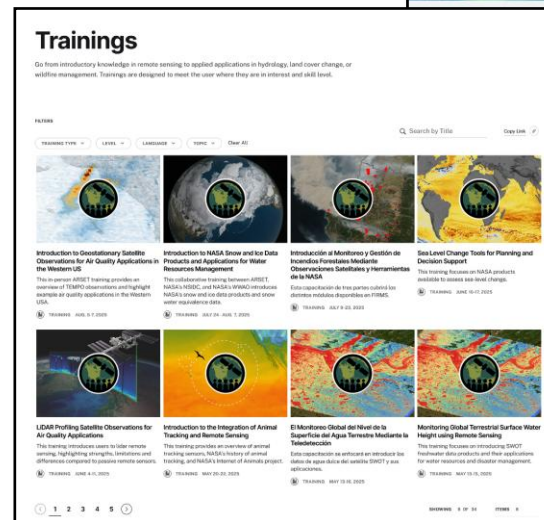
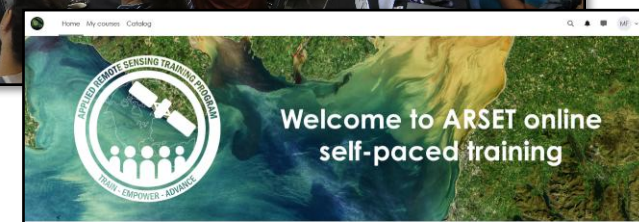
US Coral Reef Task Force Meeting, Washington, DC
August 31st, 2026

What ARSET Offers

ARSET delivers training on the use of Earth observations for decision making.

We offer:

- **No cost, open-access trainings** on NASA tools and data
- **Online and in-person training** on remote sensing satellites, sensors, methods, and tools
- Fundamentals through advanced content
- **~15+ live, online training series per year**, as well as a growing library of **self-paced learning options**



What Makes a Training?

- User-focused
- Defined goals and objectives
 - Audience: who the training will target
 - Learning objectives: What knowledge/skills will be gained
 - Impact: value/use of the training by the audience
 - Assessment (summative): questions mapped to learning objectives and content
 - Assessment (evaluation): surveys and interviews



Our Team

Program Manager



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Program Coordinator



Ella Haugen

Project Scientist



Melanie Follette-Cook

Project Coordinator



Brock Blevins

Training Coordination



Selwyn Hudson-Odoi



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Spanish Translation



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Program Evaluation



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Ana Prados



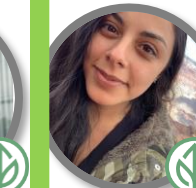
Sean McCartney



Renato Frasson



Justin Fain



Sativa Cruz



Savannah Cooley



Audience and Reach

Program Highlights: 2009 - 2025



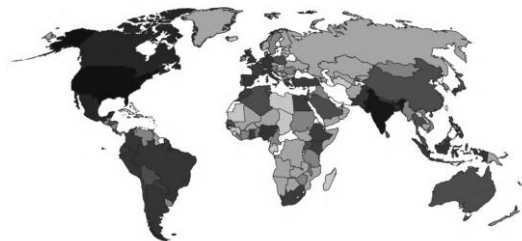
200+

Trainings



56

States and
Territories



190

Countries



190,000+

Participants

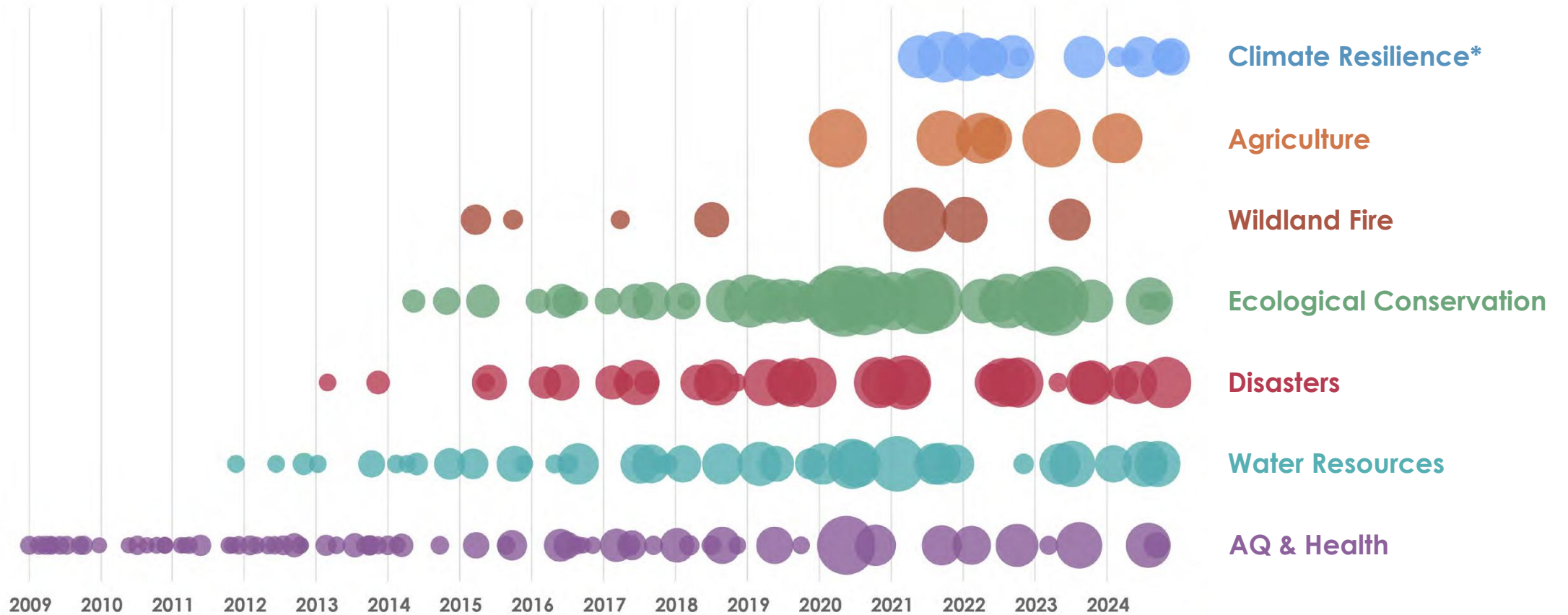


26,000+

Organizations



ARSET Thematic Evolution 2009 - 2024



2025 Summary

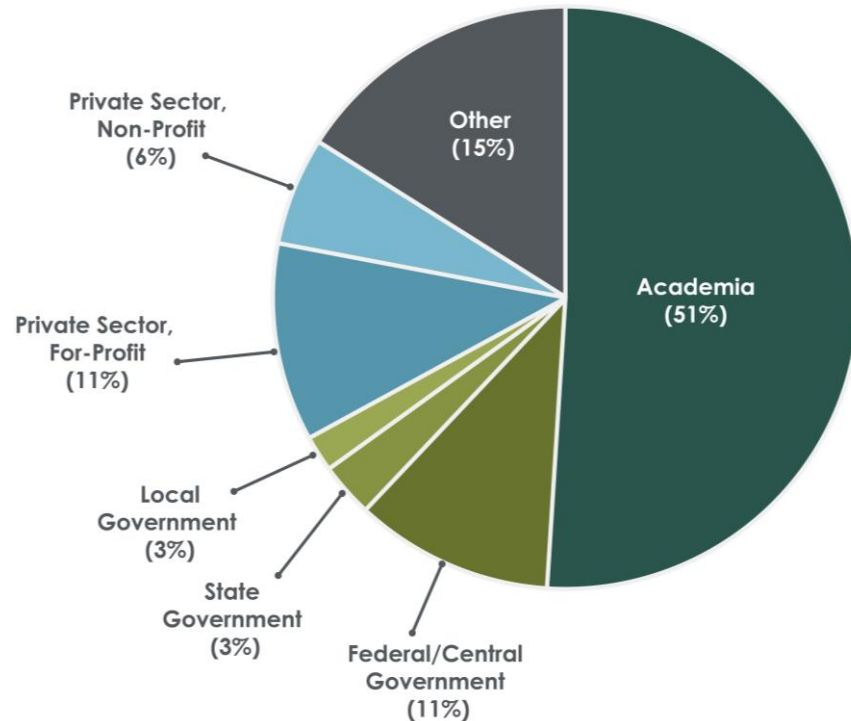
- **29,389** Total Participants
- **5,888** US Participants
- **26** Trainings
- **59** Guest Instructors
- Most attended online, instructor-led training with **2,328** participants:
[Monitoring Global Terrestrial Surface Water Height Using Remote Sensing \(Bilingual\)](#)



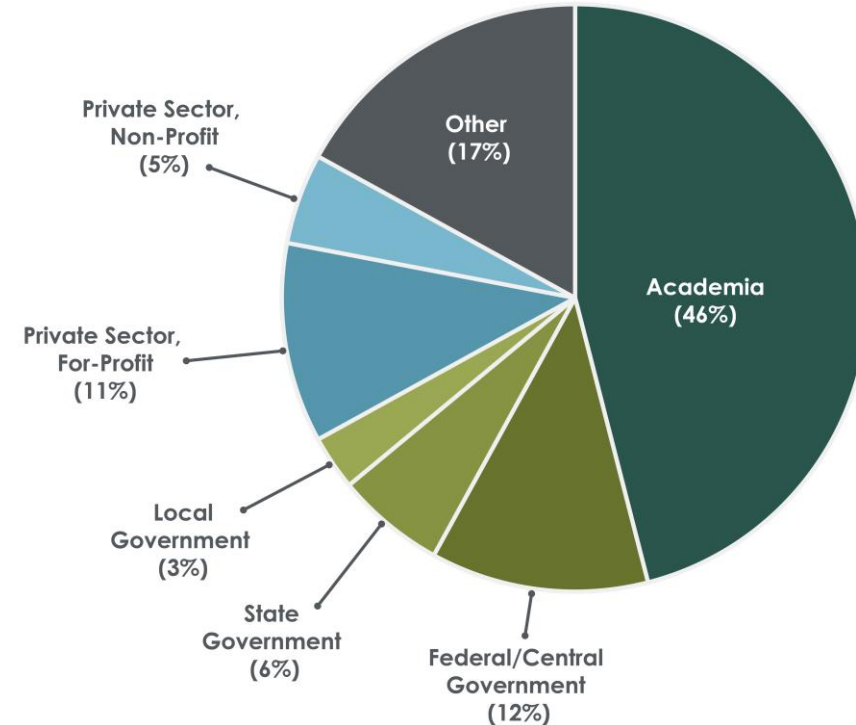
ARSET Audience

- Trainings are **developed for policymakers, NGOs, and other professionals.**
- ARSET also trains the next generation of Earth scientists: academia (both faculty and students) routinely make up ~50% of training attendees.

2025 Sector Participation

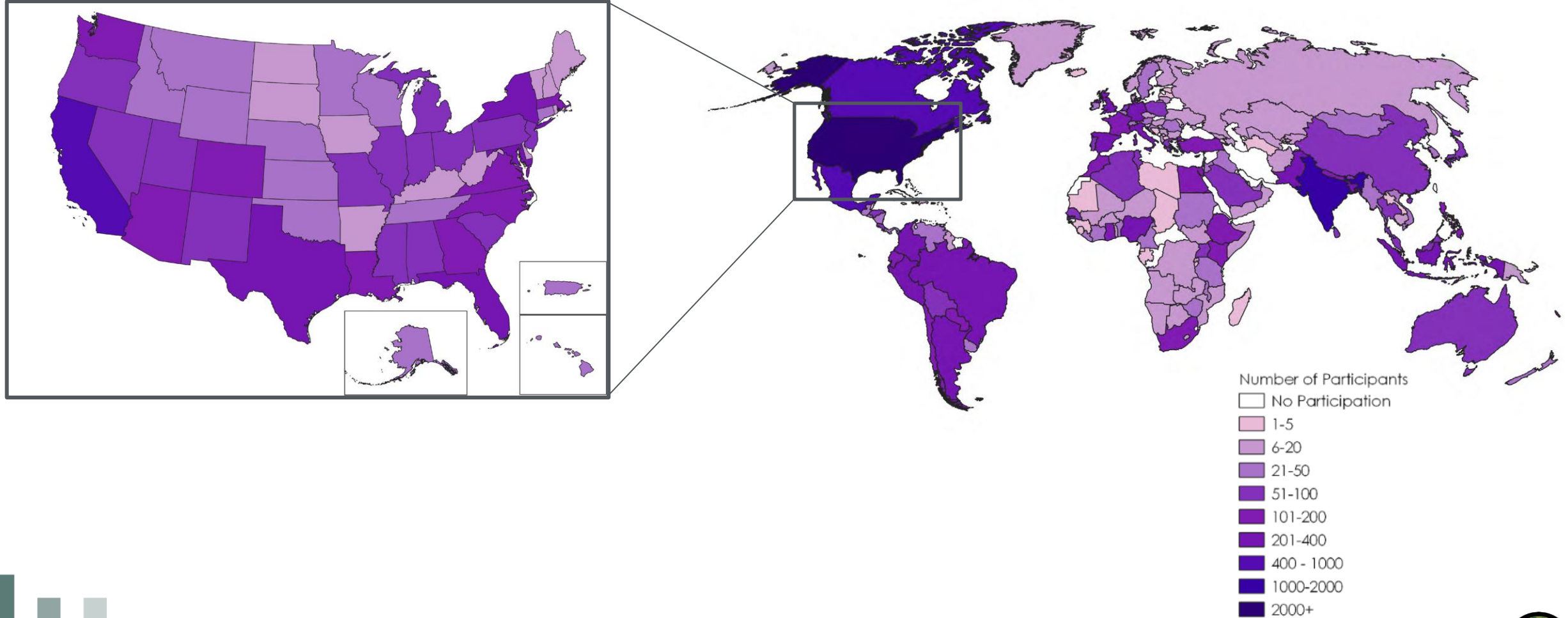


2025 Sector Participation (USA)



ARSET has a Global Reach

2025 Participation





Training Examples by Theme

Water Quality: Example Training Progression

Introductory



Introduction to Remote Sensing of Harmful Algal Blooms

This ARSET training covers how to use remote sensing to identify impaired water quality from harmful algal blooms.

 TRAINING SEPT. 5-26, 2017

Intermediate



Monitoring Coastal and Estuarine Water Quality: Transitioning from MODIS to VIIRS

This ARSET training provides an overview of the similarities and differences between MODIS and VIIRS for water quality monitoring.

 TRAINING SEPT. 14-21, 2021

Advanced



Integrating Remote Sensing into a Water Quality Monitoring Program

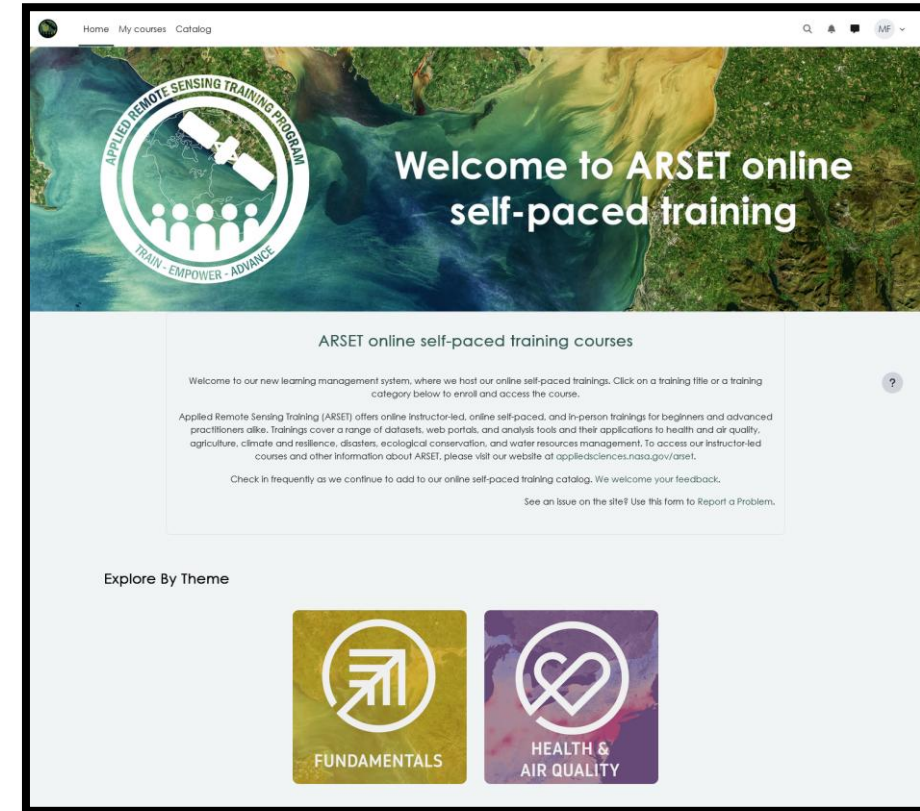
This ARSET training focuses on integrating NASA Earth observations into water quality monitoring decision-making processes.

 TRAINING JUNE 5-19, 2019



Learning Management System (LMS)

- Launched in January 2024
- Allows users to complete course content and earn a certificate of completion at their own pace



LMS Engagement to Date

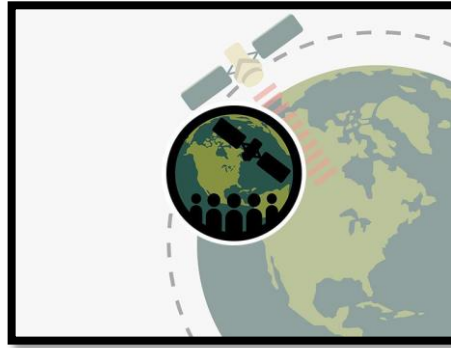


Jan. 2024
Building Sustainable Earth
Science Applications



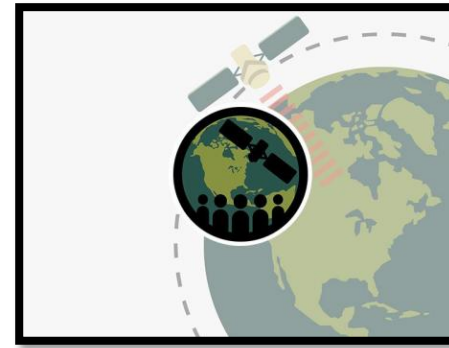
2,392 registered

Feb. 2025
Fundamentals of
Remote Sensing



20,984 registered

Mar. 2026
Fundamentos de la
Teledetección

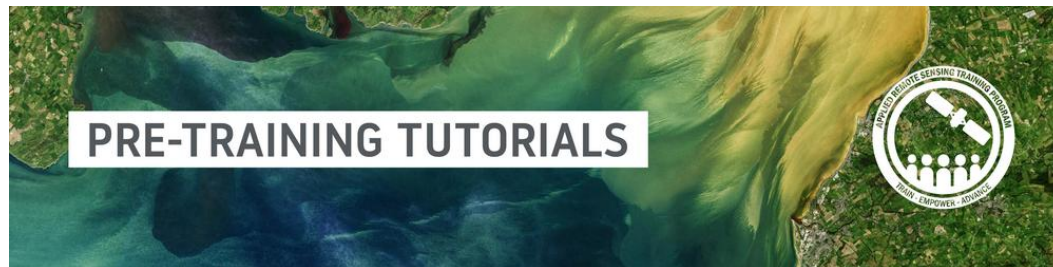


1,138 registered

Aug. 2025
Hyperspectral Data for
Land and Coastal Systems



1,884 registered



Pre-training tutorials

- Intro to Version Control with Git and GitHub
- Installing QGIS
- **2000+** views



ARSET Homepage



[www.earthdata.nasa.gov/
data/projects/arset](http://www.earthdata.nasa.gov/data/projects/arset)



Online Resource Guide



go.nasa.gov/4nyJmX5

Thank you!

