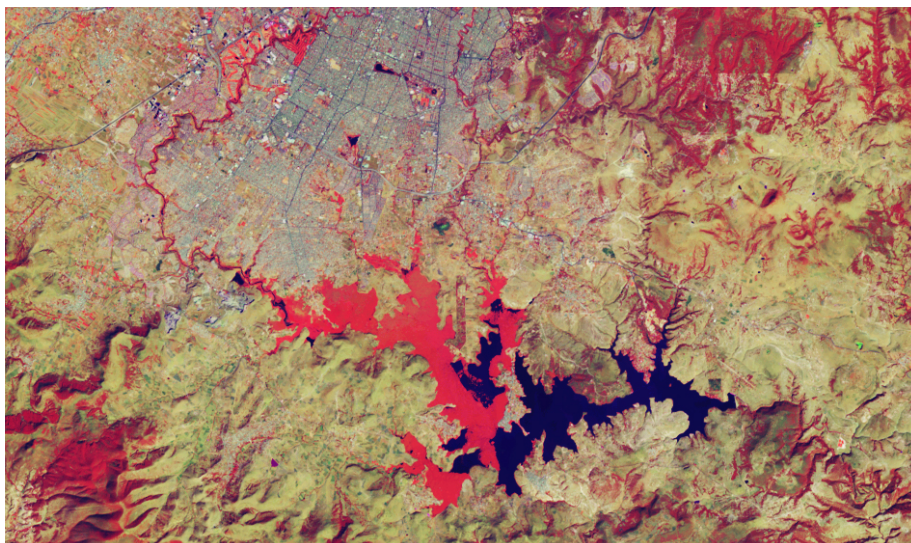


Newsletter



September 2024



Welcome to our September Quarterly Newsletter! In this issue we have some exciting news for you. Our very own Sean McCartney made an appearance on SSAI's podcast in an episode called Diving Deep with Sean McCartney: ARSET's Impact on Oceanic Health, where he discussed his role as an instructor for our Water Resources and Disasters themed trainings. Watch the full episode [here](#).

Since our last Newsletter, we've delivered five online trainings. These include [monitoring invasive species with remote sensing](#) and using [NASA ground networks](#) to measure atmospheric variables from the ground-up in support of Air Quality and Climate applications. And, no summer would be complete without a [training on drought](#). If you weren't able to attend these trainings, be sure to check out the materials on our website or watch the recordings on YouTube to get caught up.

In other news, we've had more than 700 people enroll in our self-paced trainings on our newly launched learning management system. If you have not yet created a free account, you can do so [here](#). Once you have an account you can complete the training and earn certificates at your own pace. The next self-paced course you can expect will be an update of our Fundamentals of Remote Sensing course, which will be released before the end of the year.

Upcoming Trainings

25 Sept. - 09 Oct. 2024

[Introduction to Plankton, Aerosol, Cloud, Ocean Ecosystem \(PACE\) Hyperspectral Observations for Water Quality Monitoring](#)
(también en español)

October 2024

[Earth Observations of Blue Carbon Ecosystems](#)

October - November 2024

[Identifying and Monitoring Disasters with SAR](#)
(también en español)

November 2024

[Remote Sensing of Methane for Climate Applications](#)

Recent Trainings

06 - 20 June 2024

[Earth Observations for Humanitarian Applications](#)

09 - 16 July 2024

[Applications of Carbon Dioxide Measurements for Climate-Related Studies](#)
(también en español)

23 July - 01 August 2024

[Drought Monitoring, Prediction, and Projection using NASA Earth System Data](#)

08 - 22 August 2024

[NASA Atmospheric Composition Ground Networks Supporting Air Quality and Climate Applications](#)

14 - 28 August 2024

[Invasive Species Monitoring with Remote Sensing](#)

Participant Highlights

Natalia Bermudez | USA, Public Sector

Natalia Bermudez discovered ARSET when she was a student doing her masters degree at Lehman College in 2020. After the COVID-19 pandemic forced her GIS capstone course online, she began searching for virtual resources to replace the in-person support she had in the in-person GIS lab. Natalia's search led her to an ARSET training on land use change. She reviewed the content on data preprocessing and comparing different methodologies and used the knowledge to complete her capstone.

Now, as the InterAmerican Associate for the NASA's Capacity Building Program, Natalia likes to stay updated on the latest technologies related to SAR using ARSET materials as a way to enhance her technical skills during her free time, and applies that knowledge to her particular research interests related to landslides in her hometown of Pereira, Colombia.



Do you refer to ARSET materials to learn about remote sensing methods or data, refine your research, or inform your day to day work? Have ARSET trainings meaningfully impacted yourself or your team? **We want to hear from you!** Email us at nasa.arset@gmail.com to share your story.

Please note: Participant highlights illustrate how ARSET participants use remote sensing data in their work and are not an endorsement by NASA or ARSET.

Additional Resources

2024 Space Apps Challenges Announced

During the [NASA Space Apps Challenge](#), participants address challenges submitted by NASA subject matter experts across NASA divisions. These challenges range in complexity and topic, tasking participants with everything from creating artistic visualizations to conceptualizing and developing informational apps and software programs. This year's challenges were announced on August 22.

Aug. 26 - Oct. 04: Application Window Open for DEVELOP Spring Term

The application window for DEVELOP's spring term is open through October 01. Selected participants conduct 10-week research projects in interdisciplinary teams of 4-5 people. They work closely with DEVELOP science advisors and mentors to apply Earth observations to address real-world problems. The fall DEVELOP term will be Jan. 27 to April 04. [Learn more and apply now!](#)

GPM 10 in 10 Webinar Series

To celebrate the 10th anniversary of Global Precipitation Measurement (GPM) mission's launch, GPM created a [webinar series](#) for anyone who is curious about how and why we measure precipitation from space. Webinars will be held at 8:00 p.m. ET on the second Thursday of each month, and started in Feb. 2024. Each webinar will feature guests exploring a different theme and how it relates to GPM.

Learn About PACE!

Prepare for our upcoming training on hyperspectral observations for water quality by learning about [the PACE mission](#). PACE's data will help us better understand how the ocean and atmosphere exchange carbon dioxide. It will also reveal how aerosols might fuel phytoplankton growth in the surface ocean.