

Newsletter



March 2022



This is the very first issue of ARSET's new Quarterly

Newsletter! From now on, every March, June, September, and December we will be sending out a new issue highlighting what's new, our recent training opportunities, upcoming trainings, some exceptional participants and their work, and some new resources. We hope these newsletters will be enjoyable and informative and keep you in the loop on what ourselves and our community members are up to.

Since 2009, we have trained 86,472 participants from all over the world. Over half of this participation has come from 2020 and 2021 alone. Over 20 of these participants attended every single training offered last year, and in the next section you will get to hear three of their stories. We strive to educate users worldwide on how to put NASA Earth Observations to good uses, and we want to bring your stories to the forefront. We hope these three examples will encourage you to make the most out of our training materials and share your successes with us in the future.

In other news, today marks the last day of our training on [Tools for Analyzing NASA Air Quality Model Output](#). If you missed this training, feel free to visit the training page in the link and get caught up.

Upcoming Trainings

04/14-04/28/2022

[Using the UN Biodiversity Lab to Monitor the Pulse of the Planet](#)

05/11-05/25/2022

[Atmospheric CO2 and CH4 Budgets to Support the Global Stocktake](#)

May 2022

Measuring Atmospheric Carbon Dioxide from Space in Support of Climate Studies

Recent Trainings

11/30-12/07/2021

[Monitoring Coastal and Estuarine Water Quality Using Remote Sensing and In Situ Data](#)

01/18-01/20/2022

[Using Earth Observations for Pre- and Post-Fire Monitoring](#)

01/27-02/10/2022

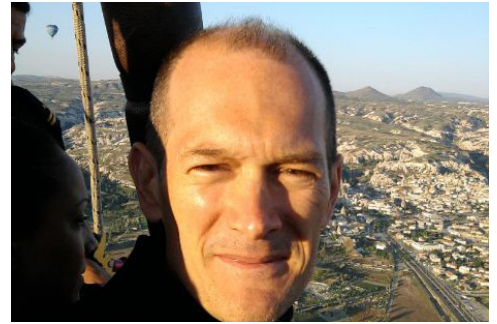
[Earth Observations Toolkit for Sustainable Cities and Human Settlements](#)

Participant Highlights

Eric Ferreol

France, Non-Governmental Organization

Eric was one of the 20 participants who attended all of ARSET's trainings in 2021. Using satellite image analysis skills he gained from ARSET, Eric has previously developed a web application, leakbysat.com, using ALOS/PALSAR-2 images to detect treated water leaks from distribution networks. Now working for an NGO, Eric is focusing on biodiversity and agro-ecology and has developed an interactive website (www.ceintureverteidf.net) using LANDSAT-8 and SENTINEL-2 imagery and Circuitscape and Graphab simulations to portray habitat fragmentation, focusing especially on foxes and blue chickadees, in and around Paris.



Deepak Kumar, PhD

India, Academia (Faculty)

Deepak Kumar, PhD attended all of ARSET's trainings in 2021. He has received his PhD from IIT Delhi and is an Assistant Professor in the Department of Soil & Water Conservation Engineering at Govind Ballabh Pant University of Agriculture & Technology (GBPUA&T), Pantnagar, teaching Bachelor and Master of Technology students. He has used knowledge gained from ARSET to write research papers, guide research students, and he plans to develop models using remote sensing for water resource management. His research areas include application of remote sensing in natural resource management, optimization techniques for water resources systems, and bioremediation of contaminated water. Feel free to contact him at deepak.swce.cof.gbpuat@gmail.com.



Antonio Herrera

Colombia, For-Profit/Private Sector

Antonio has been a dedicated ARSET participant for years. Currently, Antonio's company Galleon Resources is helping a community in Tenerife, Magdalena on the northern coast of Colombia navigate management of new-found oil and gas deposits on their land. He is helping them balance development using their new economic assets and preservation of the rich biodiversity of the area. Antonio uses knowledge gained in ARSET trainings to apply Earth observations to the communities he works in, and brings his expertise in remote sensing to the table when working with stakeholders in other fields.



If you would like the opportunity to be featured, or would just like to tell us about your work, please email nasa.arset@gmail.com.

Additional Resources

Landsat 9 Data is now available for download. As of February 10, 2022, the U.S. Geological Survey has made Landsat 9 data available from [EarthExplorer](#), [Machine to Machine \(M2M\)](#), and [LandsatLook](#).

March 1, 2022

GOES-T Launch GOES-T is scheduled to launch at 4:38 p.m. EST Tuesday, March 1, on a United Launch Alliance Atlas V 541 rocket from Space Launch Complex-41 at Cape Canaveral Space Force Station in Florida. There is a two-hour launch window.

NASA will provide coverage of the prelaunch and launch activities of the National Oceanic and Atmospheric Administration's (NOAA) next weather observing and environmental monitoring system satellite. Currently known as GOES-T, this is the third satellite in NOAA's Geostationary Operational Environmental Satellites (GOES) – R series.