upcoming:

Webinars:
ARSET Webinar: Satellite Derived Annual PM2.5 Data Sets in Support of United Nations Sustainable Development Goals
March 15-29, 2017

Solicitations:
NASA: GEO Work Programme NNH16ZDA001N-GEO
Proposals Due: Feb 28, 2017

Meetings:
AAAS 2017 Annual Meeting
February 16-20, 2017
Boston, MA

HAQAST 2 Meeting
February 26- March 16, 2017
Seattle, WA

AAAS Forum on Science and Technology Policy
March 27-28, 2017
Washington, DC

Our Research in the News

- NOAA’s GOES-16’s Advanced Baseline Imager (ABI) instrument sends first high-resolution images of Earth. CNET, Popular Science, Fox News.

NASA Applied Sciences Program presented at the NASA Hyperwall at the 2016 American Geophysical Union Annual Meeting in San Francisco, CA. Presentations addressed HAQ topics including vector-borne diseases, harmful algal blooms, and health impacts of climate change. NASA personnel pictured are Allison Leidner (top left), Heather Hanson (top right), Lawrence Friedl (middle center), and Debra Hernandez (middle right).

Photos by Jason Hong

Photo courtesy of NASA Image Gallery
NASA ARSET bridges remote sensing to public health research and applications

NASA ARSET program offers satellite remote sensing training, building skills to integrate NASA Earth science data into agencies’ decision making activities. Their first training focused on health applications, Fundamentals of Remote Sensing for Health Monitoring, in June, 2016 engaged 368 attendees. The training covered topics including detection of harmful algal blooms and calculation of mosquito-borne disease risk, all using NASA Earth observations.

“As a novice regarding remote sensing and its application for global health issues and patterns, I found the webinar series to be highly useful. The presenters taught the material in a manner [that] was easy to understand while touching on several technical aspects of remote sensing.”

- U.S. State Government Attendee

In a post-training survey, 91 percent of respondents indicated their ability to access remote sensing data products improved as a direct result of the training. One participant appreciated “knowing that there is an open database with remote sensing [data] that could be used in practical epidemiological problems and solutions.”


SPOTLIGHT

A TRIBUTE TO THE LIFE AND ACCOMPLISHMENTS OF MOLLY K. MACAULEY

Dr. Molly Macauley, an expert in space policy and socioeconomic benefits of Earth observations, was remembered at the 2016 AGU Annual Meeting. She was the Vice President for Research and a Senior Fellow at Resources for the Future, where she worked as an economist for over 20 years. Her contributions shaped the space science community and the way we think about the value of satellite data and products.

resources for our community

NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION

NOAA's NCEI hosts and provides public access to archives on Earth, with comprehensive oceanic, atmospheric, and geophysical data. The site archives over 26 terabytes of data each month from over 130 observing platforms.

DE-JARGONIZER

An automated jargon identification program aimed at helping scientists and science communication trainers improve and adapt vocabulary use for various audiences. The program determines the level of vocabulary and terms in a text, and divides words into three levels: high frequency/common words; mid-frequency/normal words; and jargon – rare and technical words.

publications

Challenges for mapping cyanotoxin patterns from remote sensing of cyanobacteria
Stumpf R et al
Harmful Algae

Natural Disasters and Cholera Outbreaks: Current Understanding and Future Outlook
Jutla A et al
Current Environmental Health Reports