



# NASA Earth Science Division Applied Sciences' Capacity Building Program

The Applied Sciences Program's Capacity Building Program engages current and future decision-makers in a spectrum of activities to improve skills and capabilities in the U.S. and developing countries to access and apply NASA Earth science. Earth observations benefit society every day to make better decisions related to agriculture, climate, disasters, ecological forecasting, energy, health, oceans, water resources, and weather. Read more about us at <http://appliedsciences.nasa.gov/>



## ARSET

Increasing the utilization of NASA Earth science and model data through online webinars and hands-on trainings.

Register to participate in courses or review past recorded webinars  
[arset.gsfc.nasa.gov/webinars](http://arset.gsfc.nasa.gov/webinars)

Learn about upcoming & recent in-person workshops  
[arset.gsfc.nasa.gov/workshops](http://arset.gsfc.nasa.gov/workshops)

For more information, visit  
[arset.gsfc.nasa.gov](http://arset.gsfc.nasa.gov)

## DEVELOP

Dual workforce/decision-maker capacity building through collaborative applied sciences projects.

Apply to participate in a DEVELOP project  
[develop.larc.nasa.gov/apply](http://develop.larc.nasa.gov/apply)

Explore example DEVELOP projects  
[develop.larc.nasa.gov/projects](http://develop.larc.nasa.gov/projects)

For more information, visit  
[develop.larc.nasa.gov](http://develop.larc.nasa.gov)

## SERVIR

Building international capacity with hubs in Eastern & Southern Africa, Hindu Kush-Himalaya, and Lower Mekong.

Discover user-tailored tools and applications in the SERVIR Product Catalog  
[catalogue.servirglobal.net](http://catalogue.servirglobal.net)

Search useful data sets, maps, and services in the SERVIR Data Catalog  
[servirglobal.net/Global/Maps-Data/Data-Catalog](http://servirglobal.net/Global/Maps-Data/Data-Catalog)

For more information, visit  
[servirglobal.net](http://servirglobal.net)

# 2015 Highlights

## ARSET

In 2015, ARSET trained more individuals than in all previous years combined and expanded to five focus areas: air quality, disasters, land, water resources, and wildfires. Wildfires held its first two trainings, designed using a new collaborative approach. Air Quality hosted ARSET's first-ever advanced online webinar training.

8 Webinars



4 In-Person Workshops

2,530  
Participants



1,193 Unique  
Organizations  
Engaged



50 U.S. States  
& 124 Countries  
Impacted

## DEVELOP

DEVELOP's newest node was opened during 2015 in Pocatello, Idaho, and is hosted through a collaboration between the Bureau of Land Management and Idaho State University. The node focused project work in 2015 on using satellite imagery to identify increased wildfire susceptibility due to the invasion of cheatgrass on rangeland in Idaho—vital information needed for BLM's management practices. This node, which is DEVELOP's first in the Pacific Northwest, will help to engage with decision makers across Idaho and throughout the region to utilize NASA Earth observations to support data-driven decision making.



93 Projects

393  
Participants



157 Unique  
Organizations  
Engaged



43 Satellites  
& Sensors  
Employed



50 U.S. States  
& 28 Countries  
Impacted

## SERVIR

On 31 August 2015, the latest SERVIR hub—SERVIR-Mekong—was launched. SERVIR-Mekong, funded by USAID and NASA and implemented by the Asian Disaster Preparedness Center (ADPC) and its partners, will promote the use of satellite imagery to help governments and other key decision-makers in Asia's Lower Mekong region (Burma, Cambodia, Laos, Thailand, and Vietnam) better predict and cope with floods and other natural disasters and increase resilience against the negative effects of climate change.

834  
Participants



47 Decision Support  
Products & Tools  
Developed

128 Unique  
Organizations  
Engaged



22 Satellites  
& Sensors  
Employed



39 Countries  
Impacted