



# ArkansasView Consortium Overview 2013 - 2014



## Improving Utilization of Remote Sensing Resources

### General Overview of the ArkansasView Consortium



*Graduate and undergraduate students in Principles of Remote Sensing develop a basic understanding of field spectroscopy; ArkansasView funds augment the remote sensing learning environment for a growing number of students from K-12 through PhD studies, and for both on-campus and off-campus students*

ArkansasView, established in 2002, is a consortium of faculty, staff, students, and employees in university, state agency, and nonprofit organizations building remote sensing and geospatial capacity within Arkansas. This work is being accomplished primarily through educational, targeted research and outreach, and other remote sensing endeavors that benefit Arkansans. With support from ArkansasView, a new PhD degree in Geosciences with a geoinformatics track began in August 2014. This program allows doctoral students at the state's flagship University of Arkansas to focus more directly on remote sensing research questions. For undergraduate students, an ArkansasView-supported proposal to the Arkansas Department of Higher Education led to the August 2014 launch of an undergraduate certificate at University of Arkansas titled "Certificate of Proficiency in Geospatial Technologies," offered completely online. In a new partnership with Communities Unlimited

([www.communitiesu.org](http://www.communitiesu.org)), a nonprofit serving communities in Arkansas and six neighboring states, ArkansasView is facilitating student intern development of remote sensing-assisted workflows that address persistently poor rural communities' access to basic water infrastructure. Finally, ArkansasView is committed to object-based image analysis (OBIA) and geospatial provenance research that simplifies and strengthens remote sensing workflow design and innovation. Through grants received, ArkansasView is expanding remote sensing education, research, and geospatial applications in Arkansas and America.

## Consortium Membership



**COMMUNITIES**  
... Unlimited

**EAST** initiative



ArkansasView activities are coordinated by the Center for Advanced Spatial Technologies (CAST) in the J. William Fulbright College of Arts and Sciences at University of Arkansas. Since 2002 a number of organizations have worked directly with CAST in realizing ArkansasView goals and initiatives. For example, the Arkansas GIS Office provides access to statewide remote sensor data; the EAST Initiative trains high school students in remote sensing techniques; and Communities Unlimited trains remote sensing students in applications that directly benefit the infrastructural outlook of underbuilt communities in Arkansas and six other states.

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