ARKANSASVIEW CONSORTIUM OVERVIEW 2015 - 2016

ENHANCING THE UNDERSTANDING AND USE OF REMOTE SENSING IN ARKANSAS

Graduate and undergraduate students at University of Arkansas participate in "Geospatial Unmanned Aircraft Systems (UAS)" and other advanced remote sensing curriculum developed with support from AmericaView. Federal funds significantly augment the remote sensing learning environment for K-12 through PhD studies, and for both on-campus and off-campus students.

ArkansasView is a member of the AmericaView consortium, a nationally-coordinated network of academic, agency, non-profit, and industry partners and cooperators that share the vision of promoting and supporting the use of remote sensing data and technology within each state.

Established in 2002 by University of Arkansas' internationally recognized Center for Advanced Spatial Technologies (CAST), ArkansasView has been a strong supporter of remote sensing within the Center, the campus community, and throughout the state. Recent efforts have focused on a) the development of new degree and certificate programs including PhD Geosciences, MS Geography, and online certificates (e.g., https://goo.gl/hOICt1) aligned with remote sensing, b) statewide leadership in the development of new remote sensing courses including "Geospatial Unmanned Aircraft Systems (UAS)" (https://goo.gl/NcTu6H), c) multidisciplinary collaboration with faculty and graduate students in Arkansas seeking to apply remote sensing in their research, and d) advances in geospatial provenance (the ability to understand and replicate remote sensing workflows) as featured in the *Remote Sensing Handbook* (CRC Press; https://goo.gl/rPsvig) published in late 2015.

Through a 2014-2016 partnership with Communities Unlimited (https://communitiesu.org), a nonprofit organization serving communities in Arkansas and six neighboring states, ArkansasView has sponsored a geospatial internship for developing remote sensing-assisted workflows that address persistently poor rural communities' access to basic water infrastructure. Through partnerships of this nature and related University-led activities, ArkansasView is enhancing remote sensing education, research, and geospatial applications in Arkansas and America.

CONSORTIUM MEMBERSHIP

ArkansasView activities are led by Dr. Jason Tullis and Dr. Mohamed Aly from the Center for Advanced Spatial Technologies (CAST) at University of Arkansas. The Center is under the direction of Dr. Jack Cothren. Dr. Lu Liang from University of Arkansas at Monticello also contributes vital remote sensing leadership and expertise to ArkansasView. Since 2002, a number of organizations and individuals have contributed directly to realizing ArkansasView goals and initiatives. For example, the Arkansas GIS Office provides access to statewide remotely sensed data, the EAST Initiative trains high school students in remote sensing techniques, and Communities Unlimited trains remote sensing students in applications that benefit underbuilt communities in Arkansas and six other states.

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