



OKLAHOMAVIEW REMOTE SENSING ACTIVITIES 2015 –2016



Oklahoma Workshop on Remote Sensing Technology and Applications (Nov. 16, 2015)

Remote sensing technology of various platforms (in-situ, airborne and satellite) has made substantial progress over the past few decades and has been playing an increasingly important role in the observation and monitoring of the Earth. This annual one-day workshop provides a forum for researchers and users in Oklahoma to communicate their research and application activities, discuss collaboration opportunities, and develop networks between institutions.



Participants in the 2015 Oklahoma Workshop

The 2015 workshop at the University of Oklahoma brought 52 faculty, researchers, and students together with representatives of federal, state, and tribal government agencies as well as private foundations. Four sessions with presentations and panel discussions were organized around land, water and atmospheric remote sensing and the use of data products in analysis, models and decision support. This year's event also featured research poster displays. Please visit <http://www.eomf.ou.edu/workshops/> for more information.

GEOSPATIAL INFORMATION SCIENCE DAY EXPO (GIS DAY: Nov. 17, 2015)



UAS demo at 2015 GIS Day Expo



Student research poster contestant

Geospatial information science and technologies (remote sensing, GPS and GIS) have been evolving rapidly in recent years and play an increasing role in our society and daily life. The GIS Day Expo at the University of Oklahoma celebrated and showcased a broad spectrum of research, education, and outreach activities related to geospatial science, technology, and applications to attract and retain both undergraduate and graduate students in science, technology, engineering and mathematics, and prepare them for future employment in the geospatial sector. GIS Day provided the opportunity for researchers and students to interact and exchange ideas with the larger GIS community in Oklahoma, including government agencies and private industry. The event also featured a live UAS demonstration and was attended by more than 200 faculty, researchers, students, exhibitors and visitors. A total of 26 exhibitors hosted booths highlighting their work, and 17 competing student participants presented their GIScience research posters. Please visit <http://www.eomf.ou.edu/gisday/> for more information.

OklahomaView 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.



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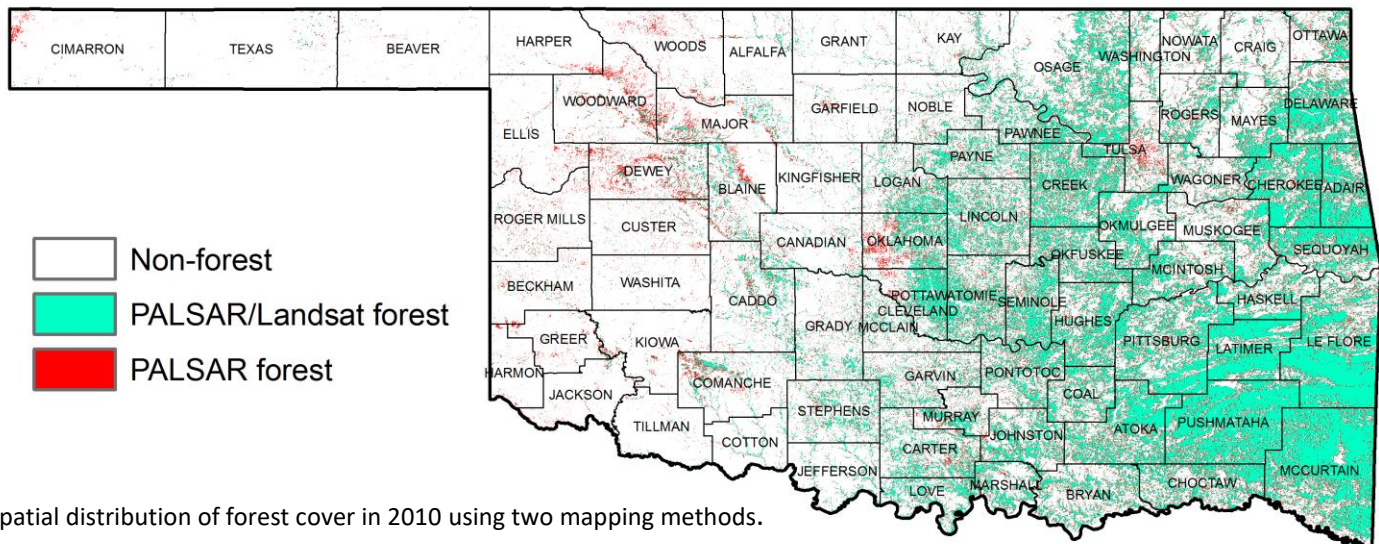
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RESEARCH ACTIVITIES – MAPPING OKLAHOMA FORESTS IN 2010

Forests are important natural resources in Oklahoma. OklahomaView researchers combined images from both microwave (PALSAR, 25-m) and optical (Landsat, 30-m) sensors to generate annual forest maps in Oklahoma from 2007-2010. These forest maps are used to understand the dynamics of forest cover in the semi-arid to sub-humid regions and are useful in supporting forest resource management and conservation efforts in Oklahoma, including Oklahoma Forestry Service and Oklahoma Biological Survey.



Spatial distribution of forest cover in 2010 using two mapping methods.

OKLAHOMAVIEW CONSORTIUM MEMBERSHIP

OklahomaView has implemented a Co-Director management structure in a cooperative effort between Dr. Xiangming Xiao of the University of Oklahoma and Dr. Saleh Taghvaeian saleh.taghvaeian@okstate.edu of Oklahoma State University. Ms. Melissa Scott msscott@ou.edu at the University of Oklahoma serves as state coordinator.



OklahomaView Consortium Members

- USGS South-Central Climate Science Center
- USDA-ARS Grazinglands Research Laboratory
- Oklahoma Biological Survey
- Oklahoma Climatological Survey
- The Samuel Robert Noble Foundation
- OU Center for Spatial Analysis
- University of Tulsa

Federal consortium members identified above do not receive funding from AmericaView.

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Major funding for the AmericaView Consortium is provided by the U.S. Geological Survey through Grant Number G14AP00002.