

OKLAHOMAVIEW 2023 - 2024

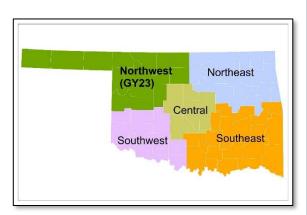


OKLAHOMAVIEW 2023 - 2024 ACTIVITIES

The proposed HIA for GY23 was to promote the usage of remote sensing in agriculture and natural resource management in local communities in northwest Oklahoma. The HIA was designed to embed remote sensing introduction/training session into the Oklahoma State University (OSU) Agriculture Field Days, work with OSU extension. In GY23, we plan to focus on the northwest region of Oklahoma, an area of intense agriculture and frequently affected by drought. However, the OSU Field Day that we targeted to tell farmers about remote sensing in the panhandle of Oklahoma, was canceled and we were not able to execute the plan.

OklahomaView conducted other activities such as supporting student research, holding EOD/GIS events, and contributing to educational outreach activities.

OklahomaView supported two peer-reviewed articles on using Unmanned Aerial Vehicle (UAV) imagery to estimate corn health and yield. Both of the papers were published in high impact journals. In addition, OklahomaView supported three posters in professional conferences such as the AGU fall meeting.



Different regions of Oklahoma we plan to focus on in next five years and the focus area of GY23.



OklahomaView promoted Earth Observation Day at Oklahoma State University in two classes showing Earth Observation Day posters and a Landsat 7 model. USGS Earthshots cards were distributed to students in the classes. The students really enjoyed this event and many of them expressed further interest in remote sensing. In addition, the OklahomaView coordinator attended the 2024 GIS Day at the Capitol to promote OklahomaView and AmericaView. The GIS Day at the Capitol is an annual and state-wide event to promote applications of GIS, which attracts at least 200 attendees every year.





2024 GIS Day at the Capitol

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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. AmericaView is funded by USGS grant agreement G23AP00683.

OKLAHOMAView is a member of the AmericaView

Consortium, a nationally coordinated network of



BENEFITS TO OKLAHOMA

OklahomaView contributed to big events at OSU including the 2024 Junior Day and Up Close. The Junior Day event is an exploration event for high school juniors for them to learn about the diversity of majors that the College of Arts and Sciences has to offer. The event had over 900 registrants. The Up Close event provides prospective students with an indepth experience of what it means to be a student in each department. In both of the events, we showed the animation of Landsat imagery showing the changes around the world such as amazon deforestation and expansion of Las Vegas. We also distributed USGS Earthshots cards and a card showing the Landsat imagery of Oklahoma.

- One undergraduate student and one graduate student learned how to process Landsat data in Google Earth Engine and make animations.
- More than three hundred undergraduate students were approached about the potential of remote sensing in various applications.
- GIS Day at the Capitol helped state agencies and local communities to understand the potential of remote sensing.
- Publications and professional presentations increased the visibility of OklahomaView and AmericaView.



The booth of the Department of Geography in the 2024 Junior Day.



The booth of the Department of Geography in the 2024 Up Close event.

OKLAHOMAVIEW CONSORTIUM MEMBERSHIP









Science Serving Agriculture

Oklahoma Geographic Information Council









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

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