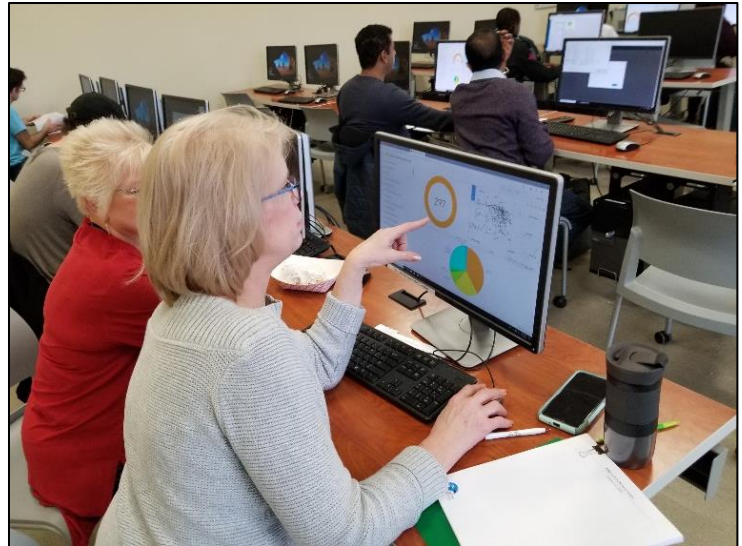


OHIOVIEW 2019-2020 ACTIVITIES

OhioView Multi-University Remote Sensing Workshop

OhioView member universities Youngstown State University, University of Toledo, Bowling Green State University, Ohio University, and University of Dayton presented a day-long workshop for approximately 65 participants on February 7, 2020, that covered a variety of remote sensing and geospatial topics. Each university's PI presented their section of the workshop to not only the individuals at their site but across the internet to the other sites simultaneously, and then participants at all four sites worked together on hands-on applications of remote sensing.



Participants in the OhioView Multi-University Workshop design and publish geospatial dashboards at University of Toledo, one of five locations involved in the hybrid workshop.

ArcGIS Pro Training

OhioView member university Youngstown State University (YSU) held two workshops (entitled "ArcGIS Pro: The Next Level") on February 28, 2020 and March 6, 2020 for local and regional geospatial professionals for training in using the new GIS industry standard, ArcGIS Pro.

SPatial LITeracy - SPLIT Remote Sensing

Bowling Green State University (Dr. Anita Simic Milas) teamed up with St. Ursula Academy high school on several occasions where students learned how to use remote sensing data for their project, for which they won the Lexus Eco Challenge award. In addition, a series of SPLIT Remote Sensing YouTube videos and webinars were created by students and offered to the public.



St. Ursula Academy's students learn how to use a spectroradiometer for soil quality and crop vigor as part of the SPLIT remote sensing program.

BENEFITS TO OHIO

- Initiated in 1997, OhioView is a consortium of universities in Ohio dedicated to furthering education, research, and workforce training in Earth Observation Science. OhioView is overseen by a Board of Directors made up of PIs from several of the universities in the consortium. Many OhioView schools participate in the OhioView Software Pool, by which the member schools contribute to a central fund dedicated to purchasing specialized remote sensing software at a significant cost savings to each school. This software enables the classwork, educational efforts, and research conducted by OhioView universities.
- One of the longest running OhioView initiatives is the SATELLITES (Students and Teachers Exploring Local Landscapes to Interpret the Earth From Space) Program. This is offered yearly to K-12 teachers (particularly middle and high school level) in Ohio. and provides teachers and students with hands-on, inquiry-based science and STEM education using geospatial technologies. The student created projects are then presented and showcased at the annual SATELLITES Conference held each spring in Toledo, Ohio.
- The OhioView Multi-university remote sensing workshop served approximately 65 faculty, students, and workforce members in geospatial techniques including designing and publishing geospatial dashboards (Dr. Bradley Shellito), lidar analysis (Dr. James Lein), calculating temperature from Landsat imagery (Dr. Umesh Haritashya), image classification (Dr. Anita Simic Milas), and training in the NASA Globe Observer app and tree height measurement (Dr. Kevin Czajkowski). There were also short guest presentations by Peder Nelson and Brian Campbell from NASA Earth Science Education Collaborative.
- Similarly, approximately 50 participants (drawn mostly from local and regional workforce) attended the two ArcGIS Pro day-long workshops at YSU, which also included a demonstration of remote sensing imagery and content held on the new 4K visualization system of the YSU planetarium.
- Likewise, the SPLIT Remote Sensing research-educational cascade model supported surface water quality related research and offered high school and university students the opportunity to gain hands-on field remote sensing research skills.
- Regional partners include NASA Glenn Research Center and the Old Woman Creek State Nature Preserve.



K-12 students presenting their remote sensing research at the annual SATELLITES conferences at the Penta Career Center in a previous year.



Participants at the OhioView Multi-University Workshop at the University of Dayton worked outside with the NASA Globe Observer app to calculate tree heights.



Participants in the OhioView Multi-University Workshop at Youngstown State University receive instruction from another location.

OhioView Principal Investigator:

Anita Simic Milas

Bowling Green State University

1.419.372.4035

asimic@bgsu.edu



<http://www.ohioview.org>



@OHViewGeo