Our first HIA this year focused on continuing to develop free, online course materials relating to remote sensing, GIS, and geospatial data science. Key activities this year include:

- Updating our website and hosted courses including Methods in Open Science, GIScience, Open-Source GIScience, Digital Cartography, Client-Side Web GIS, Remote Sensing, Open-Source Spatial Analytics (R), and Geospatial Deep Learning
- Adding new modules to our Open-Source Spatial Analytics (R) course relating to tidymodels, shiny apps, and raster analysis with terra.
- Adding a new course relating to open data science using Python.
- Adding new lab exercises to our GIScience course.

Our second HIA focused on working with KentuckyView and OhioView as part of the ORIGIN project, which is associated with water quality predictive modeling.

R code using terra package to calculate difference normalized burn ratio.
**BENEFITS TO WEST VIRGINIA**

- Provide educational materials for students and geospatial professionals
- Foster remote sensing education, outreach, and research in the state
- Provide access to LiDAR data via a web app
- Fund software purchases
- Provide summer funding for graduate students

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**West VirginiaView Consortium Membership**

- West Virginia University
- Alderson Broaddus University
- Davis & Elkins College
- Marshall University
- New River Community and Technical College
- USDA Forest Service
- West Virginia Wesleyan College

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

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**Published student research paper supported by West VirginiaView.**

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**About WV View**

West Virginia is a consortium of public, private, and non-profit remote sensing organizations. We are a member of AmericaView. Aaron Maxwell, Assistant Professor in the Department of Cartography and Geography at West Virginia University, serves as the principal investigator.

The West Virginia View consortium has the following objectives:

- Support remote sensing education, research, and outreach in West Virginia.
- Share remote sensing data and resources.
- Support students pursuing remote sensing or geospatial research.
- Develop free and open-source and training resources associated with a wide range of geospatial topics and technologies.
- Share research results and associated publications, data, and code.
- Help develop the geospatial workforce in the state of West Virginia and beyond.
- Contribute to reaching the goals and objectives of AmericaView.