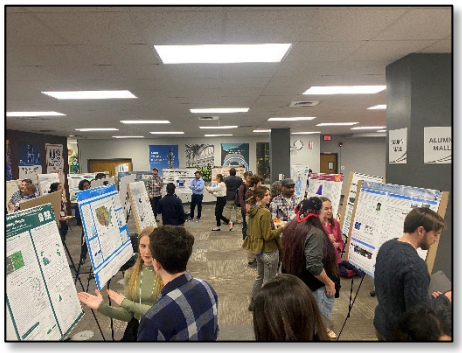
VIRGINIAVIEW 2023 - 2024

VIRGINIAVIEW 2023 - 2024 ACTIVITIES

VirginiaView continues to support remote sensing education through a multipronged approach that engages a range of clients, including pre-college and higher education students and faculty, local, state, and federal government employees, and private industry. VirginiaView provides an array of learning options that include both face-to-face instruction and online instruction. In addition to workforce development, we provide educational resources available in different formats (text, video, etc.) along with sample data for individuals who want to learn in a self-paced environment. Many of these tutorials provide remote sensing experiences using satellite-based and drone-based sensor platforms.

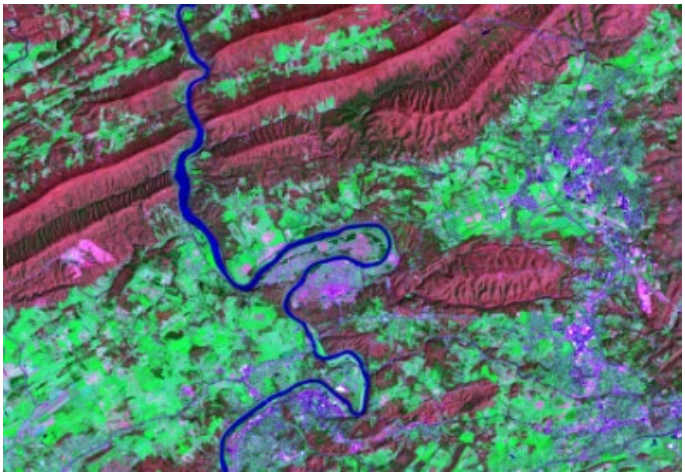


OGIS student research symposium

In celebration of Earth Observation Day, VirginiaView cohosted and sponsored the Virginia Tech Office of GIS and Remote Sensing (OGIS) Symposium in the spring of 2024. The OGIS Symposium provides university students with the opportunity to showcase their research experiences with other students and geospatial faculty from multiple universities. Thirty-six graduate and undergraduate students presented at the symposium.

Hands-on drone workshop for teachers.

VirginiaView continues to engage with educators at all levels. This year, VirginiaView created an 8' x 8' floor puzzle exhibit for Montgomery County's Wonder Universe (a children's museum) utilizing Landsat imagery of the New River Valley, and an Earth as Art remote sensing exhibit at the Virginia Tech library. These exhibits appeal to students across the educational pipeline and introduce them to relevant information about the role of Earth Observation in supporting agriculture, water resource planning, urban planning, and forestry across both rural and urban regions.



Earth as Art: The New River, as it flows through Brush and Gap Mountains near Radford in southwest Virginia near Radford

The large Landsat Floor Puzzle Exhibit on display at the Montgomery County Wonder Universe Museum

VirginiaView 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. AmericaView is funded by USGS grant agreement G23AP00683.

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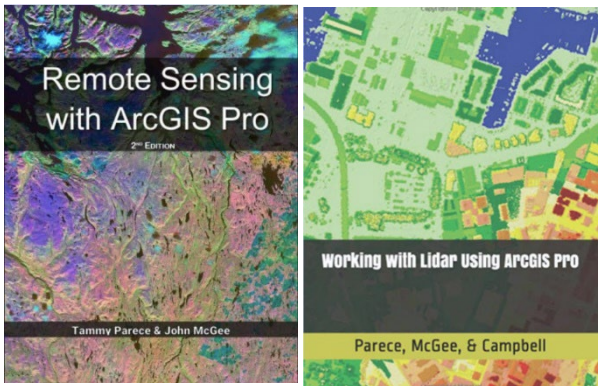
BENEFITS TO VIRGINIA

In addition to face-to-face professional development programs, VirginiaView develops and publishes both text-based and video resources for self-paced learners. These educational resources are specifically designed to introduce STEM related skills to help prepare the workforce of the future.

- Instructional video tutorials have been viewed over 569,000 times, with 51,800+ views during GY 2023 alone.
- Video tutorials have been viewed for over 18,400 hours, with 2,200+ hours watched during GY 2023 alone.
- ~30 individuals received remote sensing professional development training during GY 2023 through the Mapping with Drones workshop series.

Publication title	Copies sold	Kindle pages read
RS in Arcmap (eBook 2015)	516	11,890
Lidar ArcGIS Desktop (eBook 2016)	360	20,567
Lidar ArcGIS Desktop (print 2016)	77	.
RS in Arcmap, 2nd ed (eBook 2017)	237	9,360
RS in Arcmap, 2nd ed (print 2017)	123	.
RS with ArcGIS Pro (eBook 2019)	911	55,518
RS with ArcGIS Pro (print 2019)	600	.
Lidar ArcGIS Pro (eBook 2020)	318	23,322
Lidar ArcGIS Pro (print 2020)	150	.
RS with ArcGIS Pro, 2nd (eBook 2023)	206	21,957
RS with ArcGIS Pro,2nd (print 2023)	185	.
TOTAL	**3,683**	**142,614**



Free learning resources are available both in eBooks and videos

VirginiaView continues to develop, update, and publish remote sensing book (and eBook) tutorials on Amazon. These publications have been extremely popular, with over 142,600 Kindle pages read and 3,600+ books downloaded. We have granted requests to translate these materials into different languages.

VirginiaView is in the process of migrating these resources to PressBooks, an online publishing platform to streamline the updating of materials and encourage broader dissemination and reach through this free platform. These educational resources often utilize Landsat imagery, since the archive responds to real-world application needs.

VIRGINIAVIEW CONSORTIUM MEMBERSHIP

College of Natural Resources and Environment, Virginia Tech

Virginia Cooperative Extension, Virginia Tech • Virginia State University

Blacksburg High School

Virginia Peninsula Community College

Virginia Space Grant Consortium

Conservation Management Institute

Germanna Community College

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