



GEORGIAVIEW 2022 – 2023

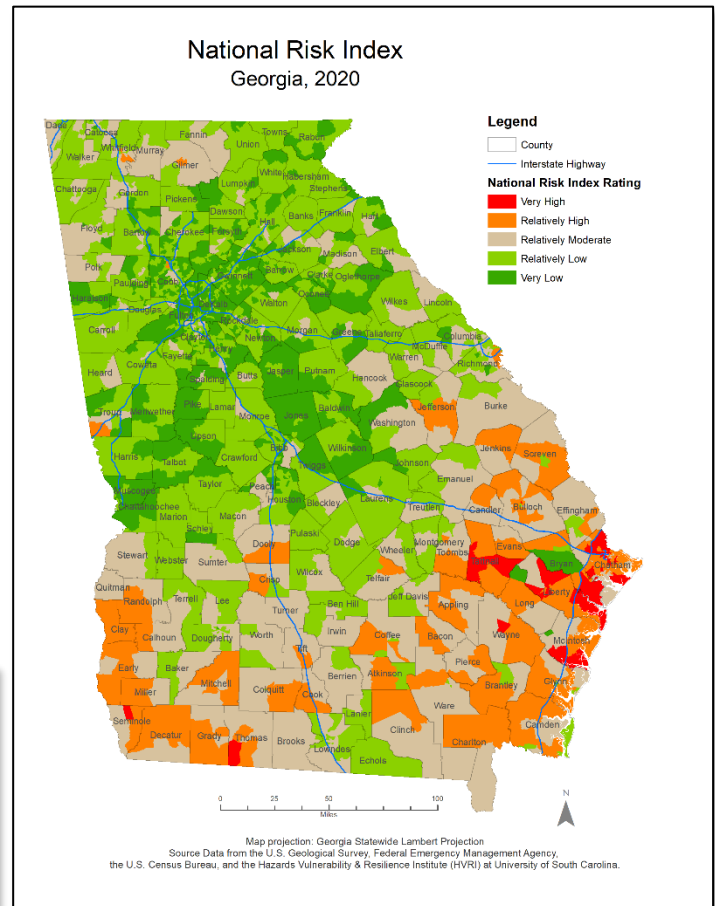
AmericaViewSM
Empowering Earth Observation Education
americaview.org

GEORGIAVIEW 2022 - 2023 ACTIVITIES

GeorgiaView's activities are highlighted by two major projects. One is the publication of Georgia Land Cover Image Atlas Volume V to outreach regional authorities with the atlas. It focuses on the latest national land cover dataset and community vulnerability to natural disasters. A total of 191 maps were designed using the boundaries of 159 counties, 14 U.S. congressional districts, and 12 regional commissions. The atlas used the 2019 land cover dataset from the U.S. Geological Survey, the Landsat satellite imagery, and the natural disaster datasets from the FEMA (Federal Emergency Management Agency) of the Department of Homeland Security. The atlas was delivered to 20 local and regional offices in Georgia including U.S. congressional offices, regional commissions, and county planning offices. The atlas is also freely available in the PDF eBook format at the GeorgiaView website, <https://gaview.org>.



Earth Observation Day Event on August 25, 2023. Local high school students and teachers joined the event and various experiments and activities were explored.



National Risk Index (Georgia). This map shows the Georgia communities most at risk for 18 natural hazards. Natural hazards have the potential to impact societies and the human environment. The southern part of Georgia shows significantly higher risk levels than the northern part.

The second project is the Earth Observation Day events on August 25 and 28, 2023. Carrollton High School juniors, seniors, and teachers (67 in total) joined the event. Students explored environmental science labs and geospatial technologies (ex. terrain mapping with Sandbox, microscopic imaging, stream dynamics, thermal imaging, CO₂ and O₃ sensors, and global environmental problems), at University of West Georgia.

GeorgiaView 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 G18AP00077.

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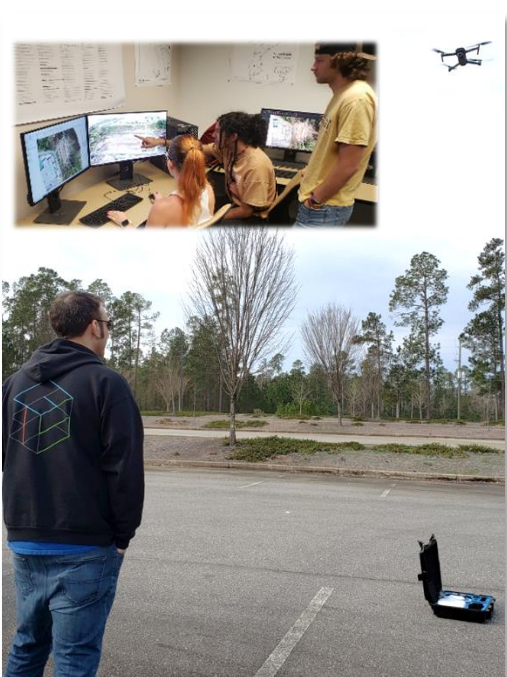
BENEFITS TO GEORGIA

GeorgiaView has brought broad impacts to the State of Georgia by promoting geospatial technologies, educating science, and helping decision making about natural resources. The following are testimonials about the Georgia image atlas and the Earth Observation Day event.

"The members of the Geographic Research Commons (GRC) at Georgia College & State University (GCSU) are using UAVs to produce high-resolution remote sensing imagery at local scales. In order to effectively instruct our students, we have developed a 3-dimensional (3-D) drone imagery program. AmericaView sponsorship enabled us to build out our data storage capacity, acquire 3-D viewing platforms, and create lasting media tools for sharing with local school groups and the community."

Doug Oetter. Faculty, Georgia College & State University.

"I was pleasantly surprised that the Coweta County GIS Department had received a copy of the Georgia Land Cover Image Atlas, Volume 5. The department is very thankful to have gotten a physical book for this volume. For a county that is contently growing, the atlas gives us an idea of just how much the county have developed over the years in land cover and population. I also enjoy seeing the different themes in each volume which could help with decision making whenever the need arises. It was interesting to see the community vulnerabilities for this volume and how Coweta is ranked against other counties in the state. Thank you for creating these volumes and I look forward to seeing future volumes regardless of whether it is a physical book or a PDF version on the GeorgiaView website." Jessica Sinel. GIS Technician, Coweta County.



A mini-grant to Georgia College & State University supported a 3-D drone image program. The image shows drone imaging and processing by the Georgia College & State University Geographic Research Commons Lab.



Experimenting stream flow and flooding during EOD events. August 25, 2023.



Allison Allgood, an undergraduate student, helped GeorgiaView activities and atlas mapping during GY22.

GEORGIAVIEW CONSORTIUM MEMBERSHIP



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