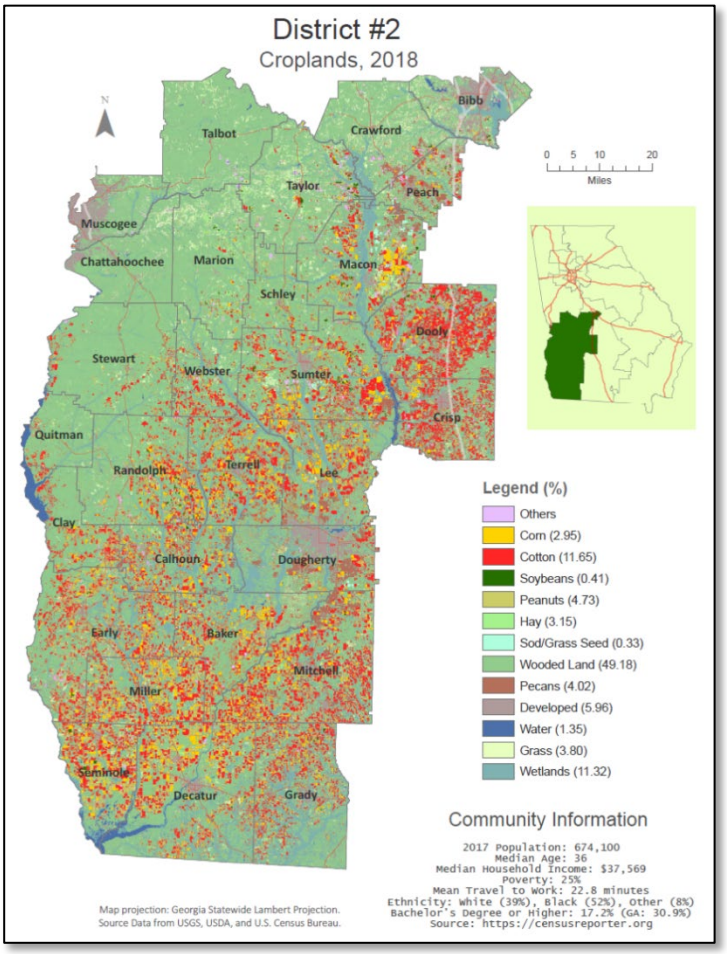
GeorgiaView 2019 - 2020

GeorgiaView 2019 - 2020 Activities

GeorgiaView's activities can be highlighted by two projects. The first project is the publication of Georgia Landcover Image Atlas Volume II: Croplands (2018) to outreach regional offices with the atlas. It focused on croplands and their products. 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 Landsat imagery from the U.S. Geological Survey, air photos, and the Cropland Data Layer (CDL) dataset from the U.S. Department of Agriculture. The atlas was delivered to 70 local and regional offices in Georgia including the Governor's office, U.S. congressional offices, regional commissions, counties, and agricultural extensions. The atlas is freely available in the PDF eBook format at the GeorgiaView website, https://gaview.org.

The online Earth Observation Day event on October 13, 2020.



An example of cropland map showing the U.S. Congressional District #2 in Georgia.

The second project was to promote science and geospatial technology to undergraduate students in Georgia by hosting an Earth Observation Day (EOD) event. Due to the COVID-19 pandemic, GeorgiaView hosted an online EOD event on October 13, 2020 and 35 undergraduate students participated in the event. Students participated in online activities like the Landsat image mosaic game (https://americaview.org/program-areas/education/ earth-image-puzzles/).

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 Georgia atlas activities and student training.

"This publication can be very helpful for us as ANR agents to compare crop acreage by commodities." Seth McAllister, Terrell County Agriculture and Natural Resources Agent.

"Great work! I am originally from Lowndes county and am surprised to know the top crop producer is cotton, not Pecans." Megan Hunnicutt, Coastal Regional Commission.

"Not only am I honored to receive a copy of my own, but I welcome the thought that those in the Second District will have the use of this data at their fingertips in order to more efficiently produce the crops needed to feed our growing world." Representative Sanford Bishop, Jr., U.S. Congress.

Our office has used the Atlas you provided in the past and using it now as a very useful validation reference. Habte Kassa, Georgia DOT Office of Planning.

"This atlas project gave me a crash course on map making in GIS and a behind the scenes look on how these maps are created … The last and most important thing that I learned in this project is that I had fun in creating this project." Jessica Sinel, UWG undergraduate student.

Undergraduate students, Jessica Sinel and Jordan Woodall, are mapping Georgia croplands in the UWG GIS Lab. Mapping gives them the sense of placeness about where they live and the geospatial technology skills.

University of North Georgia (UNG) students, Eric Peaslee and Christopher Sorrell, pictured with M600 UAS and the True View 410 LIDAR/camera system.

GeorgiaView Consortium Membership

"Overall, the project was fun, and I learned many things. It will help me in the future and give me a copy of the work I did while I was in college. In the end, it left a very good impression on me." Jordan Woodall, UWG undergraduate student.

"Using this project to spend more time researching about remote sensing helped better prepare me for my classes. As remote sensing utilizes more UAS technology, being able to get hands on with drones and working with LiDAR programs will prepare me better for a career in GIS." Eric Peaslee, UNG undergraduate student.

"While researching information about remote sensing I found myself becoming more intrigued by the potential uses of remote sensing in environmental conservation." Christopher Sorrell, UNG undergraduate student.

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