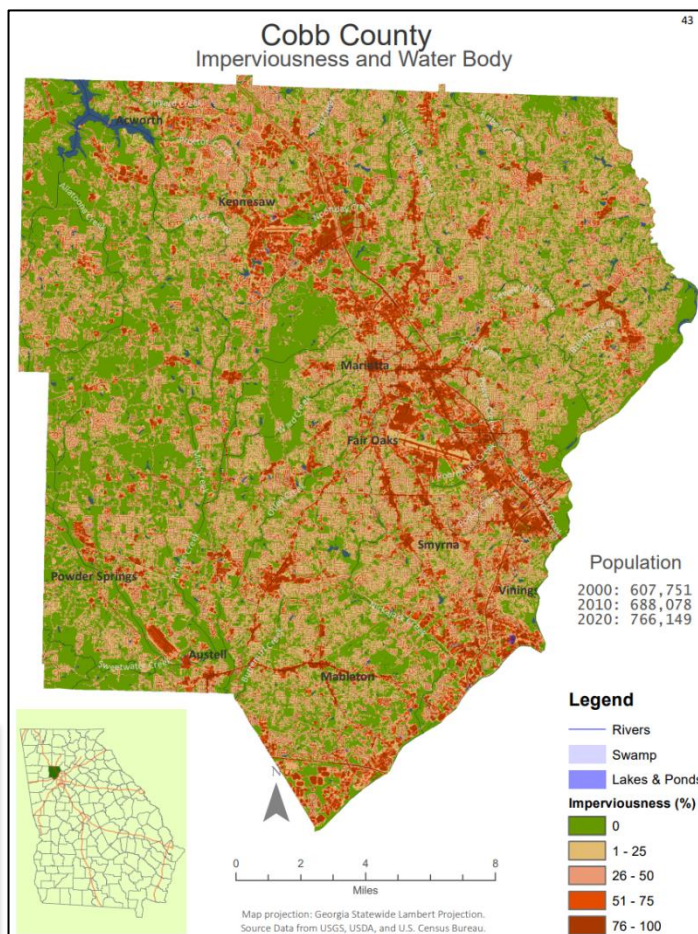


GEORGIAVIEW 2021 - 2022 ACTIVITIES

GeorgiaView's activities are highlighted by two major geospatial projects. One is the publication of Georgia Landcover Image Atlas Volume IV: Rivers and Imperviousness to outreach regional authorities with the atlas. It focuses on the change of imperviousness levels caused by human impacts. 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 imperviousness datasets from the U.S. Geological Survey, the Landsat satellite imagery, and the Cropland Data Layer dataset from the U.S. Department of Agriculture. The atlas was delivered to 116 local and regional offices in Georgia including the Georgia governor's office, U.S. congressional offices, regional commissions, Georgia Department of Natural Resources, water authorities, and county public works. The atlas is also freely available in the PDF eBook format at the GeorgiaView website, <https://gaview.org>.



Earth Observation Day Event. Local high school students and teachers joined the event and various experiments and activities were explored.



Rivers and Imperviousness (Cobb County example). Increasing imperviousness and climatic anomalies may cause devastating floodings. An example is the 2009 flooding of the Sweetwater Creek that overflowed I-20, engulfed the Six Flags theme park, and claimed ten lives.

The second project is the Earth Observation Day (EOD) event on August 29, 2022. Carrollton High School juniors and seniors (31 in total) and 4 teachers joined the event. Students explored environmental science labs and geospatial technologies, offered by ten University of West Georgia students and faculty members. The EOD event was also featured at Times Georgian, a local newspaper (<https://tinyurl.com/bde63fe5>).

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.

"Thanks so much for thinking of us. This atlas provides a great resource and actually will assist us as we attempt to map our waterway locations and entrance points to assist us when we may be called for rescues on our waterways, not to mention the development applications that this resource provides." Glen Polk, Fire Chief & Homeland Security Director, Spalding County.

"I wanted to take a moment to Thank You for sending the Georgia Land Cover Image Atlas to me. I have never heard of this atlas before but it will be a great resource for my office. Very informative contents." Becky Martin, Lamar County Emergency Management Agency.

"I didn't realize so many students go to UWG." "I am surprised that we are allowed to use expensive tools." "I like the small number of students to teacher." "Wow, no bells, I can come and go when I want?" "I can eat as much as I want?" "Teacher there trust students with equipment." "I don't feel like we are in Carrollton." Carrollton High School juniors and seniors.

"As a student myself in the geography degree program, I was ecstatic to assist in demonstrating to the next generation of college students advanced topics and emerging technologies during our Earth Observation Day." Sam Anderson, UWG undergraduate student assistant.

"I just wanted to let you know that I received the Landsat atlas – what an excellent document! I hope that our GIS department will be able to incorporate this into our system." Barry Lucas, Director, Forsyth County Water and Sewer.



Drone flight and imaging practice. A female high school junior flies a drone for the first time. August 29, 2022.



Water flow modeling during the EOD event at UWG. Students experimented various water flow scenarios. August 29, 2022.



Delivering Georgia Land Cover Image Atlas Volume 4 to 116 local offices and authorities. Dr. Rose and a student (Sam Anderson) help packaging.

GEORGIAVIEW CONSORTIUM MEMBERSHIP



GeorgiaView Principal Investigator:

Dr. Jeong Seong

University of West Georgia

Phone: 678-839-4069 (Office)

jseong@westga.edu



<https://gaview.org>

