



# ALABAMAVIEW 2022 - 2023

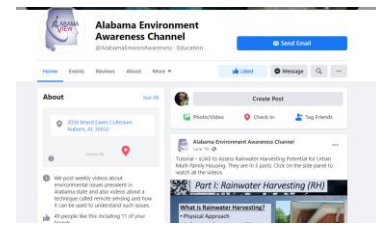
**AmericaView**<sup>SM</sup>  
Empowering Earth Observation Education  
[americaview.org](http://americaview.org)

## ALABAMAVIEW 2022 - 2023 ACTIVITIES

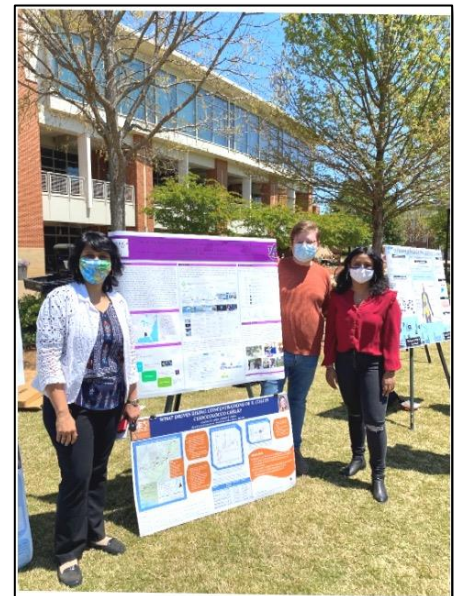
- The major activity for 2022-2023 was the continued development of Alabama Environmental Awareness YouTube channel (<https://www.youtube.com/channel/UC43YJ2HG3fUmHGvp5Ldu1Q>). This program promotes the awareness and application of Remote Sensing in the state of Alabama. For Grant year 2022-2023 the following videos were created:
  - Urban Heat Islands and the Benefits of Cool Rooftops
  - Food Deserts in Alabama
  - Obesity in Alabama's Black Belt
- The YouTube channel, Facebook group and Instagram was shared with groups such as:
  - the Greater Birmingham Alliance to Stop Pollution (GASP) - <https://gaspgroup.org/>
  - Little USA Solar Farm - <https://www.littleusa.solar/>
  - RePicture - <https://www.repicture.com/students>
  - Alabama Interfaith Power and Light: <https://www.alabamapl.org/>
  - Southeast Climate and Energy Network: <https://www.scen-us.org/>
- One of the most important parts of this project has involves the training of graduate and undergraduate students in utilizing RS methods for environmental applications. The Directors of AlabamaView meet with students on a weekly basis to discuss ideas and work progress. Students we have trained include:
  - Syeda Nazifa Tasneem
  - Michael S. Agbozo
  - Blake Philips

A facebook page was maintained to promote the work, activities, and videos created for Alabamaview. All the videos are promoted through this page:

[https://www.facebook.com/AlabamaEnvironmentalAwareness/?view\\_public\\_for=100846665005207](https://www.facebook.com/AlabamaEnvironmentalAwareness/?view_public_for=100846665005207) to reach out to many. The page is also shared with Alabama citizens so they know about Alabama environment and how remote sensing can be used to assess and evaluate various aspects of Alabama's environment.



AlabamaView Facebook page



Earth Day Extravaganza

AlabamaView 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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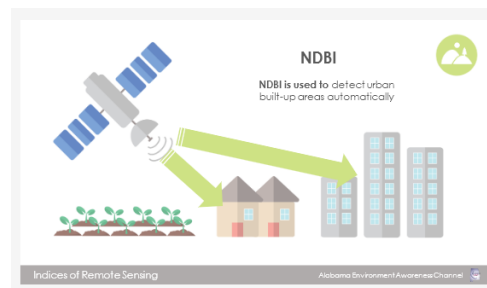
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## BENEFITS TO ALABAMA

The videos are created to raise awareness among Alabama citizens about the environment and how RS can be used to access, evaluate, and communicate such information. Research using Auburn library resources, google scholar and google search were conducted to find topics and relevant information. Scripts were created and needed RS analysis were conducted. Required logos and graphs were created using Adobe illustrator and PowerPoint. After the audio was recorded for the script, the video was stitched together using Premiere Pro.

Urban Heat Islands and the Benefits of Cool Rooftops videos provide an overview of how medium sized cities can adapt to the impacts of climate change and energy needs in a more sustainable way. These methods can be used by Alabama resource managers to understand and analyze the growth of a city and predict future expansion and plan proper management practices for sustainable future.

The other videos created this year deal with the problem of obesity in a region called the Alabama Black Belt. In this region a lack of grocery stores with fresh produce within driving distance of the citizens creates food deserts where the citizens do not have access to healthy food. RS and GIS are used to analyze these food deserts and access to green space for recreation. Recommendations are also made based on remote sensing data to mitigate the prevalence of food deserts and lack of green space in order to improve health of the citizens.



*RS of urban heat islands youtube clip*



*Food deserts in Alabama Black Belt*

## ALABAMAVIEW CONSORTIUM MEMBERSHIP



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