



ALABAMAVIEW 2020 - 2021

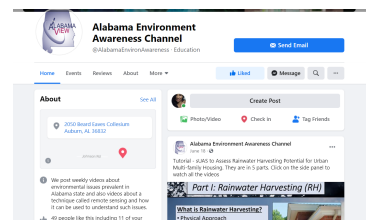


ALABAMAVIEW 2020 - 2020 ACTIVITIES

- The major activity for 2020-2021 was the continued development of Alabama Environmental Awareness YouTube channel (<https://www.youtube.com/channel/UC43YJ2HG3fIUmHGvp5Ldu1Q>). This program promotes the awareness and application of Remote Sensing in the state of Alabama
 - Meet our Team
 - Introduction to Remote Sensing
 - Landfills in Alabama - A Remote Sensing Approach
 - Introduction to Remote Sensing Indices
 - Solar Power Potential in Alabama
 - Remote Sensing to Assess Potential Rainwater Harvesting
 - Urban Expansion - Parts 1 and 2
- 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.alabamaipl.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:
 - Megha Shrestha
 - Pooja Patel
 - Austin Barnhard
 - Katherine Koons
 - Austin Bush

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/AlabamaEnviroAwareness/?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.



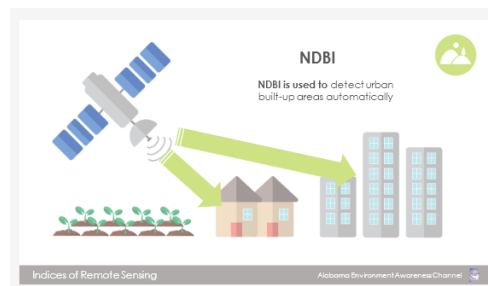
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BENEFITS TO ALABAMA

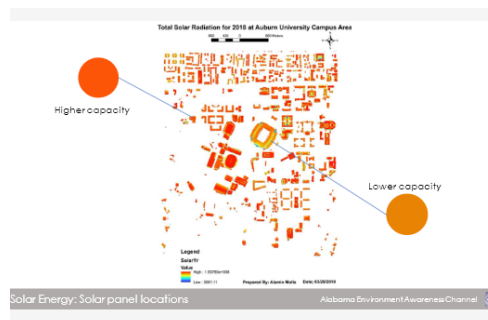
The videos are created to raise awareness among Alabama citizens about the environment and how RS can be used to access, evaluate, and communicate such information. Research using Auburn library resources, google scholar and google search were conducted to find topics and relevant information. Scripts 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.

RS Indices videos provides an overview of different types of available measures which help in determining the health of vegetation, the growth of a city, the conversion of wetland to forest land etc. These indices can be used by Alabama resource managers to understand the growth and type of vegetations, analyze the growth of the city and predict future expansion, understand the available wetlands, and water resources and plan proper management practices for sustainable future.

Alabama has a huge potential for solar power generation, but Alabama's available policies and programs are not favorable to utilize this potentiality of solar power. This video created – Solar power potential in Alabama - can help the Alabama resource managers to understand and then use it to promote solar power generation to the citizens and the policy makers.



RS indices youtube clip



Solar power potential youtube clip

ALABAMAVIEW CONSORTIUM MEMBERSHIP



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<http://www.alabamaview.org>



[Facebook.com/AlabamaView](https://www.facebook.com/AlabamaView)