



ALABAMAVIEW 2019 - 2020



ALABAMAVIEW 2019 - 2020 ACTIVITIES

Mother Earth as Art Symposium at the Jule Collins Smith Museum of Fine Arts

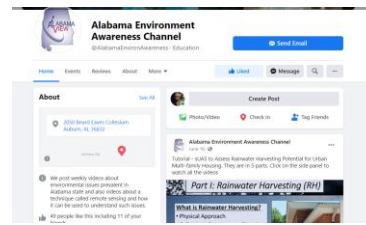
In the weeks leading up to the 50th anniversary of Earth Day, the Department of Geosciences, in collaboration with the Jules Collins Smith Museum (JCSM) of Fine Art, hosted the “Mother Earth as Art” exhibition. The exhibit featured real satellite images of Earth taken from USGS and NASA. These images were then color enhanced and framed as pieces of artwork and displayed in the museum gallery. Co-I Mitra, three graduate students, and two undergraduate students worked on this project. The exhibit was geared toward raising awareness about the beauty of our planet and human induced landcover changes and climate change effects. The gallery was made up of three sub-sections of images: Our Beautiful Earth, Human Footprint on our Beautiful Earth, and Future of our Beautiful Earth. The Mother Earth as Art exhibition was originally intended to be viewed in person at the JCSM of Fine Art, however due to the ongoing threat of COVID-19 was moved online. Here is the link to the online display of art: <http://jcsm.auburn.edu/exhibitions/mother-earth-as-art/>. A video was created to show the opening of the display and the process involved: https://www.youtube.com/watch?v=gDQYSKuqNzw&ab_channel=AlabamaEnvironmentAwarenessChannel. Board Chair and original “Earth as Art” online curator, Brent Yantis, MLA, University of Louisiana at Lafayette was invited and gave a talk to the visitors explaining the importance and usage of using art with science especially in the field of remote sensing.



Mother Earth as Art exhibition on Earth Day 2020.

Facebook page creation and promotion

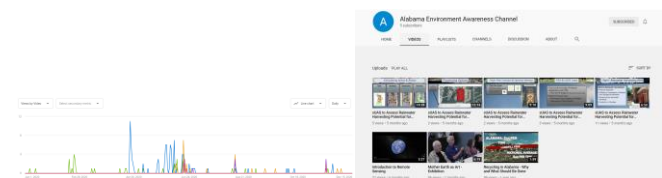
A facebook page was created to promote the work, activities, and videos created for Alabamaview. All the videos are promoted through this page: https://www.facebook.com/AlabamaEnvironAwareness/?view_public_for=100846665005207 to reach out to many. The page is also shared with Alabama citizens so they know about Alabama environment and how remote sensing can be used to assess and evaluate various aspects of Alabama’s environment.



Facebook page

Youtube videos

In the last year, we have worked on four videos – Landfills in Alabama, Remote sensing indices, Solar power potential in Alabama, and Mother Earth as Art exhibition. Among these four two are published, one is at the last stages of completion and the last needs to add animations. Three graduate students and two undergraduate students have worked on these videos. Below is the figure showing the reach and views of our youtube channel.



Youtube Channel reach and view – stats

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.



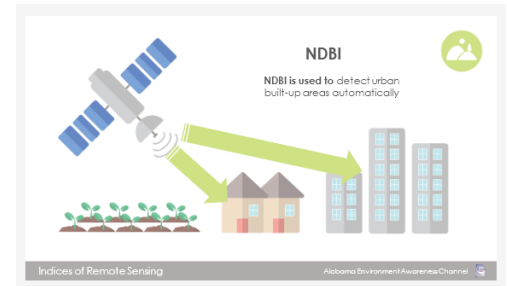
AmericaView Website:
www.AmericaView.org
Christopher McGinty, Executive Director:
chris.mcginty@americaview.org
Lisa Wirth, Program Manager:
lisa.wirth@americaview.org
Brent Yantis, Board Chair:
rodney.yantis@louisiana.edu

BENEFITS TO ALABAMA

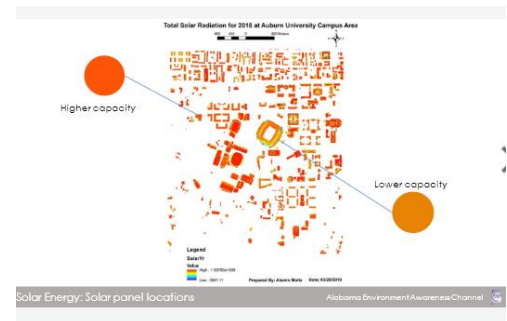
The videos are created to raise awareness among Alabama citizens about the environment and how RS can be used to access, evaluate, and communicate such information. Research using Auburn library resources, google scholar and google search were conducted to find topics and relevant information. Scripts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



Federal consortium members identified above do not receive funding from AmericaView.

AlabamaView Principal Investigators:

Luke Marzen and Chandana Mitra

Auburn University

334-844-4074

MARZELJ@AUBURN.EDU



<http://www.alabamaview.org>



Facebook.com/AlabamaView