



MARYLANDVIEW 2023 - 2024

AmericaViewSM
Empowering Earth Observation Education
americaview.org

MARYLANDVIEW 2023 - 2024 ACTIVITIES

In summer 2024, MarylandView hosted a 4-day, 3-night geospatial technology summer camp at Towson University (TU) for 26 high school students from 14 Maryland schools. This immersive program featured mini workshops in remote sensing and GIS, led by TU professors and students, along with engaging activities like a NASA Goddard guided tour, a private planetarium show, and hands-on drone operation. Team-building exercises, such as rock climbing and geography trivia, fostered social connections and allowed students to experience college life.

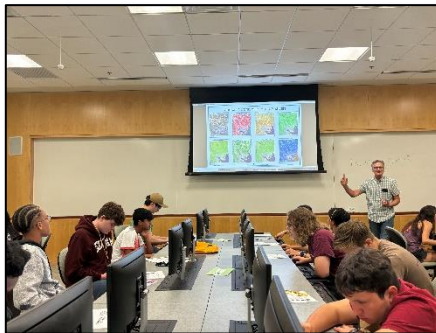
The camp received a 4.4/5 rating from participants, demonstrating its value for students interested in geospatial technology. This initiative directly supported the objectives of the NLRSEORA grant, advancing K-12 education in remote sensing and Earth observation (RS/EO) as outlined in Objective #4, while fostering strategic partnerships with Maryland public schools in line with Objective #2. The camp equipped students with valuable skills and inspiration for future academic pursuits in the field.



Group photo of summer camp participants



Campers touring NASA Goddard Space Flight Center



Campers exploring Landsat imagery with ArcGIS software



Campers engaging with the floor puzzle



Workshop participants learning UAS operations for air photo collection.

In spring 2024, MarylandView hosted a UAS remote sensing workshop for local agencies and businesses. The workshop covered diverse topics, including FAA regulations, UAS platforms, digital sensors, UAS operation, aerial photo collection, and digital image processing. It provided educational materials tailored to address training needs in remote sensing and Earth observation (RS/EO), fulfilling Objective #4 of the NLRSEORA grant.

MarylandView 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 G23AP00683.

AmericaViewSM
Empowering Earth Observation Education
americaview.org

AmericaView Website:
www.AmericaView.org
Christopher McGinty, Executive Director:
chris.mcginty@americaview.org
Lisa Wirth, Program Director:
lisa.wirth@americaview.org
Lindi Quackenbush, Board Chair:
lquack@esf.edu

BENEFITS TO MARYLAND

- The Geospatial Technology Summer Camp benefits Maryland by equipping high school students with vital GIS and remote sensing skills, creating a pipeline of future professionals in these high-demand fields. It also strengthens STEM education, supports workforce development, and fosters strategic partnerships between educational institutions, local agencies, and industries, boosting Maryland's innovation and economic growth.
- The UAS remote sensing workshop enhances the capabilities of Maryland's local agencies and businesses by training them to effectively utilize UAS for data collection and analysis. This collaborative effort improves decision-making and supports economic growth by advancing technology use in sectors such as agriculture, environmental monitoring, and urban planning.
- Overall, MarylandView's activities in the past grant year have equipped students, communities, businesses, and government agencies with advanced geospatial skills, enabling them to leverage these technologies for diverse applications and driving workforce development and industry growth.



Campers exploring Earth observations using Google Earth Pro.



Campers engaging in a team-building activity.

MARYLANDVIEW CONSORTIUM MEMBERSHIP



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

MarylandView Principal Investigator:

Dr. Carter C. Wang

Towson University

(410)704-3973

cwang@towson.edu



<https://wp.towson.edu/marylandview/>



mdview@towson.edu