



NEW MEXICOVIEW 2022 - 2023

AmericaViewSM
Empowering Earth Observation Education
americaview.org

NEW MEXICOVIEW 2022 - 2023 ACTIVITIES

The HIA for New MexicoView focused on engaging with New Mexico State University outreach coordinators, teachers, and high-school students. NMView connected with outreach coordinators at two NMSU Colleges: Arts & Sciences (A&S) and Health, Education, and Social Transformation (HEST).

NMView Outreach: The New Mexico Geographic Alliance (NMGA) and NMView supported an outreach event for Sonoma Elementary, 3rd graders on **Earth Day 2022**. The Giant Traveling Map of New Mexico was a hit, and the NM Landsat puzzles allowed students to explore landscape patterns in New Mexico. The day-long event saw five groups of 18-22 students (102). Four Graduate students from the Department of Geography & Environmental Studies worked the event, keeping the attention on visualizing Earth at different scales by referring to the inflatable globe as seen from the ISS (top right) the Landsat puzzles (middle right) and, the Giant Traveling Map of New Mexico.

The focal activity was delivering a **“Week as a Geography Major”** in June 2022 to TRIO Upward Bound (48 students) for the second consecutive year. TRIO programs are federally funded projects to deliver after school and summer activities. This year, local high school students enrolled in a summer program offering 5 weeks with a different discipline. NMView supported 3 graduate students for one month of salary and recruited 2 Geography & Environmental Studies faculty to assist.

NMView established a new collaboration with MESA (Mathematics, Engineering, Science, and Achievement). MESA provides professional development opportunities for STEM high school and middle school teachers. The first meeting Jan. 18 included an impromptu presentation to 14 high-school teachers by NMView that resulted in the adoption of the MESA annual theme: Life on Land. The GLOBE.gov resources were shared at a second meeting and a workshop for 41 MESA teachers from southern New Mexico Aug. 18, 2023



Dr. Campbell and Sonoma Elementary Teacher with 3rd graders from on the GTM-NM EARTH DAY 2022



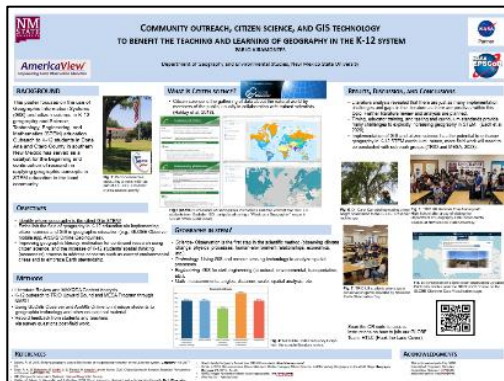
Above: Sonoma Elementary 3rd graders work Landsat puzzles of sites in NM.



Above: Section of translated EOD Poster.



Above: Graduate Student, Torit Chakraborty, demonstrates the spectroradiometer to TRIO students 6-12-2023



Below: Dr. Campbell with Antonio Garcia who translated the 2022 EOD Poster into Spanish.



Left: Graduate Student, Pablo Viramontes, presented a poster at the AAG 2023, Denver, CO.

New MexicoView 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.

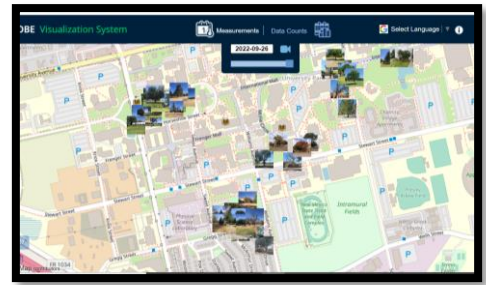
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BENEFITS TO NEW MEXICO

- New Mexico has a rich history of interacting with the space industry, and the range of career opportunities working on land or in space in The Land of Enchantment were introduced to high-school students in the region to empower them to seek STEM careers. Providing New Mexico's youth with experience using Remote Sensing tools, Earth Observation apps, and Citizen Science, broadens their perspective and expands the range of career opportunities.
- Efforts to increase the number of citizen science and GLOBE observations included adding participation to current courses at New Mexico State University. This was successful in the spring 2023 for both Landscape Ecology and Human Geography, and students added tree observations from Las Cruces, Albuquerque and El Paso.
- The Spanish translated version of the Earth Observation Day (EOD) posters have been shared with 5 elementary schools in the area and are a popular educational resource.

Below: GLOBE Tree observations.



Left: Dr. Buenemann encouraging TRIO students to assist with assembling the DJI Mavic Drone.

Right: Pablo Viramontes presenting to 41 MESA teachers in Ruidoso on the use of GIS and citizen science in the classroom, August 18, 2023.



NEW MEXICOVIEW CONSORTIUM MEMBERSHIP



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

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