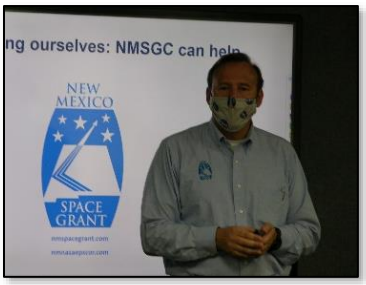
NEW MEXICOVIEW 2021 - 2022

AmericaView℠
Empowering Earth Observation Education
americaview.org

NEW MEXICOVIEW 2021 - 2022 ACTIVITIES

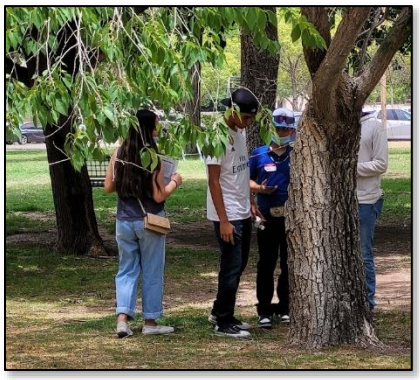
New MexicoView made great advances toward meeting the Primary HIA goal of establishing strategic partnerships to advance K-16 experiential learning and remote sensing research in New Mexico. I established collaboration with NM Space Grant Coordinator Paulo Oemig and Holli Kohl, NASA GLOBE Observer coordinator, (Photographs at right) to engage students with opportunities to work for a space agency, government lab, or research center. Holli has coached us to create of a GLOBE Observer land cover team to increase observations of New Mexico's unique landscapes to GLOBE.gov. This also led to participation on NASA's Citizen Science working group.



ABOVE: Paulo Oemig of New Mexico Space Grant Consortium presented to Geography Colloquium Oct. 14, 2021

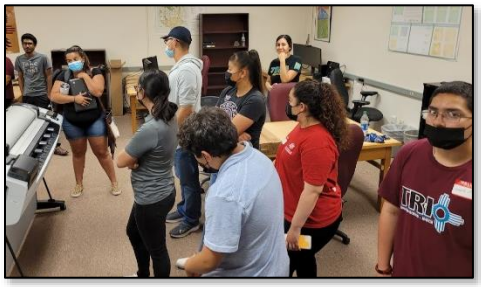
TRIO-Upward Bound quickly adopted my ideas by scheduling a "Week as a Geography major". This brought one group of 36 high school students to campus June 13-17 2021. These students participated in citizen science observations, pacing and tree measurements, geo-inquiries and various STEAM related modules. Emphasis was on the sun as the source of energy for life and EMR linked photosynthesis and carbon capture and release.

ABOVE: Holli Kohl brought GLOBE Observer to life in the Geography Colloquium, March 18, 2022. Back left: D. Dugas, A. Ratliff, H. Bergmann, P. Viramontes, O. Akrasi, M. Djan. Front right: S. Valencia, A. Ransom,T. Chakraborty, C. Campbell, H. Kohl, Squatting, P. Oemig and B. Hanson.

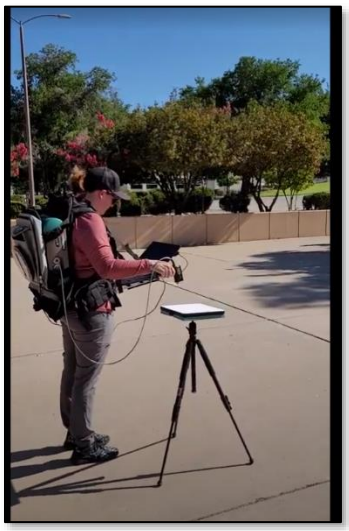


ABOVE: TRIO-UP students add tree data to GLOBE Observer during a Week as a Geography major.

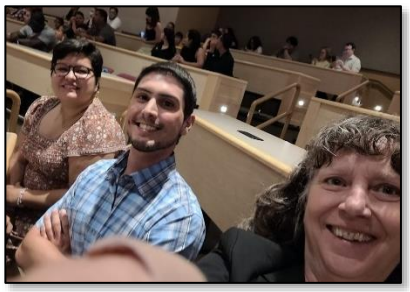
ABOVE: Pablo Viramontes demonstrates using the land cover app in GLOBE Observer.



ABOVE: TRIO-UB from Alamogordo brought 17 students over for one day, June11, 2022. They met graduate student, Torit Chakraborty, analyzing satellite imagery in the lab.



LEFT: Amber Ransom demonstrates the hand-held spectro-radiometer to TRIO-Upward Bound students June 16, 2022. The different surfaces reflect specific wavelengths.



Above: Samantha Valencia, Pablo Viramontes, and Dr. Campbell at TRIO AWARDS 7/14/2022

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.

AmericaView℠
Empowering Earth Observation Education
americaview.org

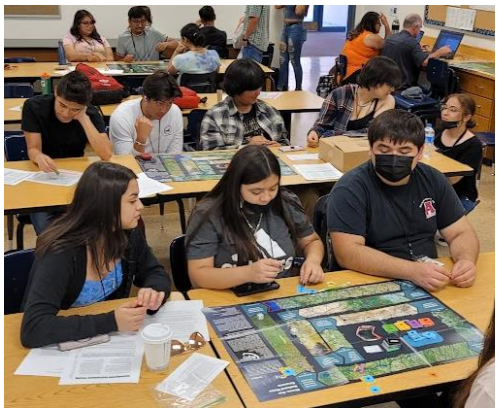
AmericaView Website:
www.AmericaView.org
Christopher McGinty, Executive Director:
chris.mcginty@americaview.org
Lisa Wirth, Program Director:
lisa.wirth@americaview.org
John McGee, Board Chair:
jmcg@vt.edu

BENEFITS TO NEW MEXICO

- EOD poster Viewing Water from Space includes a game exploring water quality related to urbanization, industry, farming and habitat. Bi-lingual students choose to play the English or Spanish version while discussing environmental conditions in New Mexico.

- Inform students and educators of the historical connection and future opportunities New Mexico citizens have regarding space exploration, research development and industry, and Earth Observation of New Mexico's landscapes. Identify and acknowledge the special relationship local communities have to the land of the Chihuahuan Desert.

- Identify careers in New Mexico related to land management, resource use, and environmental studies.



ABOVE: TRIO-UB students play the Viewing Water from Space, NASA EOD poster/game.

COLLBORATORS

NASA GLOBE Observer	Holli Kohl, Peder Nelson, Paulo Oemig	>300 observations
TRIO-Upward Bound, Las Cruces	Rosa De La Torre-Burmeister	36 students
TRIO-Upward Bound Alamogordo/Hatch	Lourdes Ambriz	17 students
NMSU College of Ed.	L. Cifuentes, M. Sterling, S. Morales	STEM modules
NMSU Languages & Linguistics	Antonio Garcia, Jeff Longwell	3 +translations
City of Las Cruces	BLM Las Cruces Field Office	NPS

NEW MEXICOVIEW CONSORTIUM MEMBERSHIP

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

New MexicoView Principal Investigator:

Dr. Carol Campbell

New Mexico State University

575 646-6480

nmview@gmail.com

http://www.newmexicoview.edu

Facebook.com/NewMexicoView

@NewMexicoView

@NewMexicoView