**NEW MEXICO VIEW 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.

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

**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.

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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.

Collaborators

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

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

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