



NEW MEXICOVIEW REMOTE SENSING ACTIVITIES 2015 - 2016



OUTREACH – THE WILDLIFE SOCIETY GEOSPATIAL ADVISORY COMMITTEE

Federal agencies, tribal, state and local governments, nongovernmental organizations, and private entities are seeking experts to assist their conservation management. The Southwest Section and New Mexico Chapter of The Wildlife Society (TWS) and New MexicoView have created a geospatial committee for TWS membership and the conservation community as a whole. TWS is an international professional society focused on wildlife management and conservation.

The Southwest Section Geospatial Advisory Committee (GAC) of TWS and the associated state chapters (AZ, NM, and TX) is a newly created committee working on providing outreach and education to TWS members and other interested individuals. Participants on the committee represent the Arizona, New Mexico, and Texas state chapters of TWS and the Southwest Section of The Wildlife Society. This includes members from university research teams, K-12 schools, federal agencies, tribal, state and local governments, nongovernmental organizations, and commercial enterprises. New MexicoView sponsored a webinar for wildlife professionals in 2015 (attended by 30+ individuals) regarding climate projection datasets and applications (<https://youtu.be/EXYAeJrd-Bk>). Additional webinars are planned for the coming fiscal year. A similar workshop was completed at the 49th Joint Annual Meeting of the Arizona-New Mexico Chapter of the American Fisheries Society and TWS in February of 2016 in Flagstaff, AZ.



Landsat Imagery available through the
USGS App ObservedEarth



Article published in *The Wildlife Professional* regarding the use of Citizen Science Apps by organizations, agencies, and in education. Copyright 2016. Image used with permission of The Wildlife Society.

Leland Pierce and Ginny Seamster, the co-chairs of GAC, with assistance from New MexicoView, completed an article for the TWS publication *The Wildlife Professional*. The article discusses the use of Apps in wildlife conservation. One of the examples of the topics the article discussed is New MexicoView's use of the Field Photo App created by OklahomaView in conjunction with the NASA and USGS Adopt a Pixel Program.

This New MexicoView activity assisted in identifying the data and information requirements of TWS members, established partnerships with personnel across organizations, and provided education and training to professional wildlife biologists. The goal of the effort is to establish a long-term geospatial committee that provides expertise and documentation on using remote sensing data in wildlife management.

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.



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BENEFITS TO NEW MEXICO

New MexicoView is working to provide increased awareness about remote sensing data, products, and the uses of the data, and to facilitate methods to get the data into people's hands. Remotely sensed data are used in New Mexico by state and federal agencies, universities, private entities, and non-profit organizations. Uses have focused on natural resource management activities (including fire and range management), and biodiversity conservation. A challenge for the New Mexico remote sensing community is to get applications into the hands of managers in a format that can be applied on the ground. These applications have been developed by USGS, USDA, and New MexicoView partners. The New MexicoView consortium is working on methods to bring the research and application communities together in New Mexico. These efforts include:

- Expertise
- Collaboration
- Data use and applicability
- Cutting edge applications
- State and regional contacts



Graduate Students Nathan Lopez-Brody and Reza Goljani were awarded the 2016 New MexicoView Geospatial Scholarships for their use of remote sensing in their graduate research.

NEW MEXICOVIEW CONSORTIUM MEMBERSHIP

New MexicoView continues to build a consortium of public, private, and non-profit organizations that are promoting remote sensing in New Mexico through sharing of resources, developing infrastructure, and supporting research and education in the state. Collaboration with the New Mexico Geographic Alliance and NASA provide the foundation for education and outreach opportunities across the state.

New MexicoView partners develop, leverage, and disseminate remote sensing resources, applications, and research. New MexicoView's programs, supported by other AmericaView members, have the capacity for national reach.



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

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