

EPSCoR Funding in Nevada

Science and Engineering

- EPSCoR funded research has provided new interdisciplinary capabilities to detect, analyze, and model the effects of regional climate change on landscapes, ecosystems, and water resources and to communicate research results to decision makers and the public.



- Prior funding created the Nevada Genomics Center (NGC), which is a core facility designed to aid researchers in the study of genes and their function.
- The Nevada Center for Bioinformatics provides bioinformatics research resources, services and training to Nevada scientists in the support of existing research programs and in the development of new research programs and grant applications.
- The Advanced Computing in Environmental Science program (ACES) has been creating new capabilities for multidisciplinary research in Nevada, centered on computer modeling, scientific data visualization, and other data-intensive techniques in environmental research.



Energy

- EPSCoR funded research has enhanced the basic scientific understanding of contaminant behavior on surfaces.

Workforce Development

- EPSCoR funded programs have resulted in the creation of a minor in digital interactive games and a graduate degree in astronomy.
- EPSCoR funds allowed faculty and graduate researchers to design, develop and evaluate an educational computer game on “Losing the Lake” project.



Space

- EPSCoR researchers have been studying multiple remote sensing data products as well as in situ sampling where data and analysis are being compared to current and future Mars orbital and landed missions.
- EPSCoR researchers are leveraging research in aerosol optics into the area of aerosol satellite remote sensing.