



The U.S. Geological Survey (USGS) operates grant programs as part of our ongoing commitment to academic research and training. USGS grants support research by individual researchers as well as by institutions of researchers, such as State Geological Surveys and Water Resources Research Institutes. USGS grants are available for research and training in the following fields:

- Earthquakes
- Geologic Mapping
- Geoscientific Data Preservation
- Water Resources

## Grant Opportunities for Academic Research and Training

### EDMAP—National Cooperative Geologic Mapping Program

The educational component (EDMAP) of the National Cooperative Geologic Mapping Program (NCGMP) was established in recognition of the importance of geologic mapping to our Nation’s well-being. The primary objective of EDMAP is to train the next generation of geologic mappers. Faculty advisors, together with graduate students or upper level undergraduate students, submit a proposal for funding to support student field mapping projects. Federal dollars are matched by the university and projects last 1 year. A completed, student-authored geologic map is the expected product.

EDMAP funds 30 to 40 grants annually. The average grant is \$13,000. The application period opens in September and proposals are due in November. For more information, visit <http://ncgmp.usgs.gov/about/edmap.html>.

### National Competitive Grants Program—Water Resources

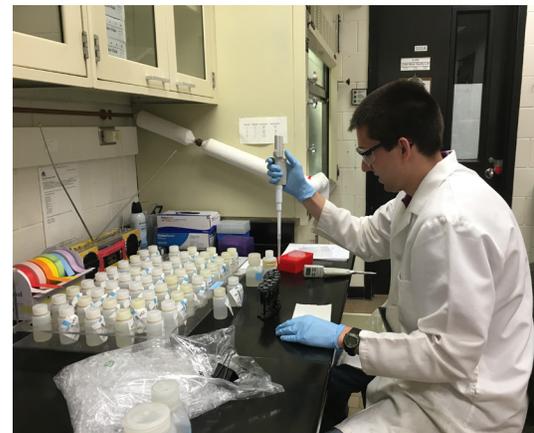
The USGS and the National Institutes for Water Resources (NIWR) run a national grants program focusing on water supply and availability. Investigators at any U.S. institution of higher learning are invited to submit proposals for projects lasting 1 to 3 years and for up to \$250,000. Federal dollars must be matched by non-Federal dollars. The goals of the program are to promote collaboration between USGS and university scientists, to support research around significant national and regional water issues, and to train the next generation of water scientists.

The National Competitive Grants Program (NCGP) funds 4 to 10 grants annually. The average grant is \$150,000. The application period generally opens in December and proposals are due in

February. For more information, visit <http://water.usgs.gov/wrri/national-competitive-grants.php>.

### External Research Support—Earthquake Hazards Program

The USGS Earthquake Hazards Program funds grants that support its research goal to mitigate the effects of earthquakes by providing earth science data and assessments essential for land-use planning, engineering design, and emergency preparedness decisions. The program issues an annual request for proposals to support external research in earthquake hazards, the physics of earthquakes, earthquake occurrence, and earthquake safety policy.





On average, the USGS Earthquake Hazards Program receives approximately \$4,000,000 per year to use for external research; it funds 60 to 80 grants annually, with most projects lasting 1 to 2 years. The application period opens in early March and proposals are due in mid-May. Proposals are submitted through <http://www.grants.gov/>. To sign up for notifications, visit <http://earthquake.usgs.gov/research/external/>.

## Opportunities for Specific Groups

### State Geological Surveys: National Geological and Geophysical Data Preservation Program

Historical data collected during energy exploration, seismic investigations, aerial photogrammetric surveys, and other geologic studies are fundamental to ongoing scientific research. The USGS National Geological and Geophysical Data Preservation Program (NGGDPP) awards grants to States to inventory, digitize, and preserve endangered, at-risk, geoscientific materials and datasets and to help universities train the next generation of scientists and engineers. In 2016, \$815,000 in Federal and State matching funds were

awarded to 22 States to preserve, modernize, and expose geoscientific collections and data to scientific research. More than 17,600 hours of student-supported assistance were sponsored by the NGGDPP. In 2017, \$800,000 will be awarded to continuing State data preservation efforts.

The NGGDPP (<http://datapreservation.usgs.gov/page/grants>) is only open to State Geological Surveys.

### State Geological Surveys: STATEMAP—National Cooperative Geologic Mapping Program

STATEMAP is the State mapping component of the National Cooperative Geologic Mapping Program (NCGMP). The primary objective of STATEMAP is to establish a geologic framework of areas that are vital to the welfare of individual States. STATEMAP projects are 1-year cooperative agreements where Federal funds are matched with State funds. The State Geological Surveys are responsible for determining their mapping priorities. Although this cooperative agreement program does not focus on student academic research, many of the State Geological Surveys include students as interns in their mapping projects.

STATEMAP (<http://ncgmp.usgs.gov/about/statemap.html>) is only open to State Geological Surveys.

### WRRIs: State Water Resources Research Institute Program

Currently, 54 Water Resources Research Institutes (WRI) serve all 50 States, 3 territories of the United States, and the District of Columbia. Located at designated universities and colleges, the institutes support more than 200 research and information transfer projects through annual base grants, coordination grants with other Federal agencies, and required matching funds. State advisory panels operate in cooperation with the USGS to set research priorities at each state institute or center. Virtually all projects provide undergraduate and graduate student training and support. Annually, more than 500 students have received training and support under this program in recent years.

The annual base grants (<http://water.usgs.gov/wri/annual-base-grants.php>) and coordination grants (<http://water.usgs.gov/wri/coordination-grants.php>) are only open to WRRIs.