Data-related goals from materials under development

Water Science and Society

Students will develop the ability to synthesize, manipulate, and interpret scientific data; critically evaluate and communicate information; and make educated decisions about water resources

Water Sustainability

Collect, analyze and present data on water quality, water quantity, water use, and water-related impacts on ecosystems and people

Renewable Energy and Environmental Sustainability

Students will use both data they collect themselves and that collected and published by others to test the efficacy of various green technologies

Critical Zone Science

Apply data sets and observations from six existing CZO sites to test ideas and summarize critical zone services

Map your Hazards!

Students will collect and analyze relevant social data on individual and community knowledge, risk perception and preparedness within their local social networks

Teaching Geoscience Methods to Secondary Education Students

Pre-service teachers will investigate global climate change and its impacts on human systems, utilizing geoscientific thinking, including a systems approach, multiple lines of evidence, and spatial and temporal data sets

Coastal Vulnerability

Assess coastal vulnerability using an integrated social and physical approach

Living on the Edge

Use qualitative and quantitative information to assess risk due to geological hazards associated with plate boundaries

Sustainable Agriculture

Use geological data to develop a plan for sustainable soil management in one or more agricultural settings