



American Geosciences Institute

Education & Outreach americangeosciences.org/education

The Education & Outreach Department at the American Geosciences Institute works with many partners to **enhance knowledge of the geosciences and geoscience careers**. Our work emphasizes the vitality of the geosciences in today's world.

We can help! AGI can help inform educators and the public about your organization, research program, or institution. We can share information about your work, educational resources you make available, and/or emerging ideas in the geosciences that you would like people to understand.



Teachers doing an activity at AGI/ExxonMobil's 2023 Teaching and Learning Academy.

Credit: AGI/L. Brase

SOME OF THE WAYS WE WORK WITH PARTNERS INCLUDE:

Disseminating existing information and resources to broaden the impact of specific projects and initiatives.

Identifying and communicating how your work products such as maps, reports, visual media, data sets, and others can be used by educators.

Collaboratively developing educational resources that communicate important and emerging elements of specific areas of the geosciences.

Infusing real-world, scientific research into classrooms by creating lessons, activities, and units around recently collected data.

One important way we accomplish these is by facilitating **Earth Science Week**, the annual global celebration of the geosciences. With more than 20 partners and sponsors, Earth Science Week represents a broad collaboration across the geoscience community and is an effective tool for communicating with educators and the public.

A central focus for much of our work is connecting the geosciences to the UN Sustainable Development Goals (SDGs), which is a growing emphasis worldwide.

We hope to work with you!

Contact outreach@americangeosciences.org to have a conversation about the ways the AGI Education & Outreach Department can support your goals.

On the other side of this flyer, read about the ways in which the AGI Education & Outreach Department has worked with different organizations.

Examples of our partnerships and products across all sectors of the geosciences include:

PROFESSIONAL SOCIETIES

- **Society of Exploration Geophysicists** — production of educational resources and webinars related to Geoscientists *without* Borders® projects.
- **Association of American State Geologists** — connect professional geoscientists with educators and students, including early career professionals in geologic mapping through a webinar series (funded by the U.S. Geological Survey).
- **National Association of Geoscience Teachers and National Earth Science Teachers Association** — collaboratively organize and conduct webinars to support implementation of the NGSS Earth and space science standards for K–12 teachers.

PRIVATE SECTOR

- **SLB** — development of curricula based on the UN’s SDGs for employee and community outreach.
- **ExxonMobil** — creation and implementation of a professional development program, the AGI/ExxonMobil Geoscience Teaching and Learning Academy, for K–8 teachers.

FEDERAL AND STATE AGENCIES

- **U.S. Geological Survey** — modified an existing informational resource to be more effectively utilized in K–12 classrooms.
- **U.S. Environmental Protection Agency Office of Research and Development** — created educational modules related to ongoing EPA ORD research.
- **Natural Resources Conservation Service** — organized existing resources to increase accessibility and utility for educators and created new resources to include soil data.



Participants explore newly revised educational resources from IODP during a National Science Teachers Association conference workshop.
Credit: AGI/S. McGee

RESEARCH PROGRAMS

- **International Ocean Discovery Program (IODP)** — revision of lessons using real world data from scientific ocean drilling.
- **EDC’s Oceans of Data Institute** — collaborated on an NSF-funded research project* to investigate how young learners can be supported to use real-world data, including creating curriculum for 4th graders.

EDUCATIONAL INSTITUTIONS

- **Fairfax County Public Schools** — presented an in-person professional development session about science inquiry and the UN’s SDGs, along with a virtual session about GIS for instruction.
- **Salisbury University** — worked with an undergraduate advertising class to update ways to promote partner programs.

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