

Advancing Geoscience Solutions

2023 Year in Review

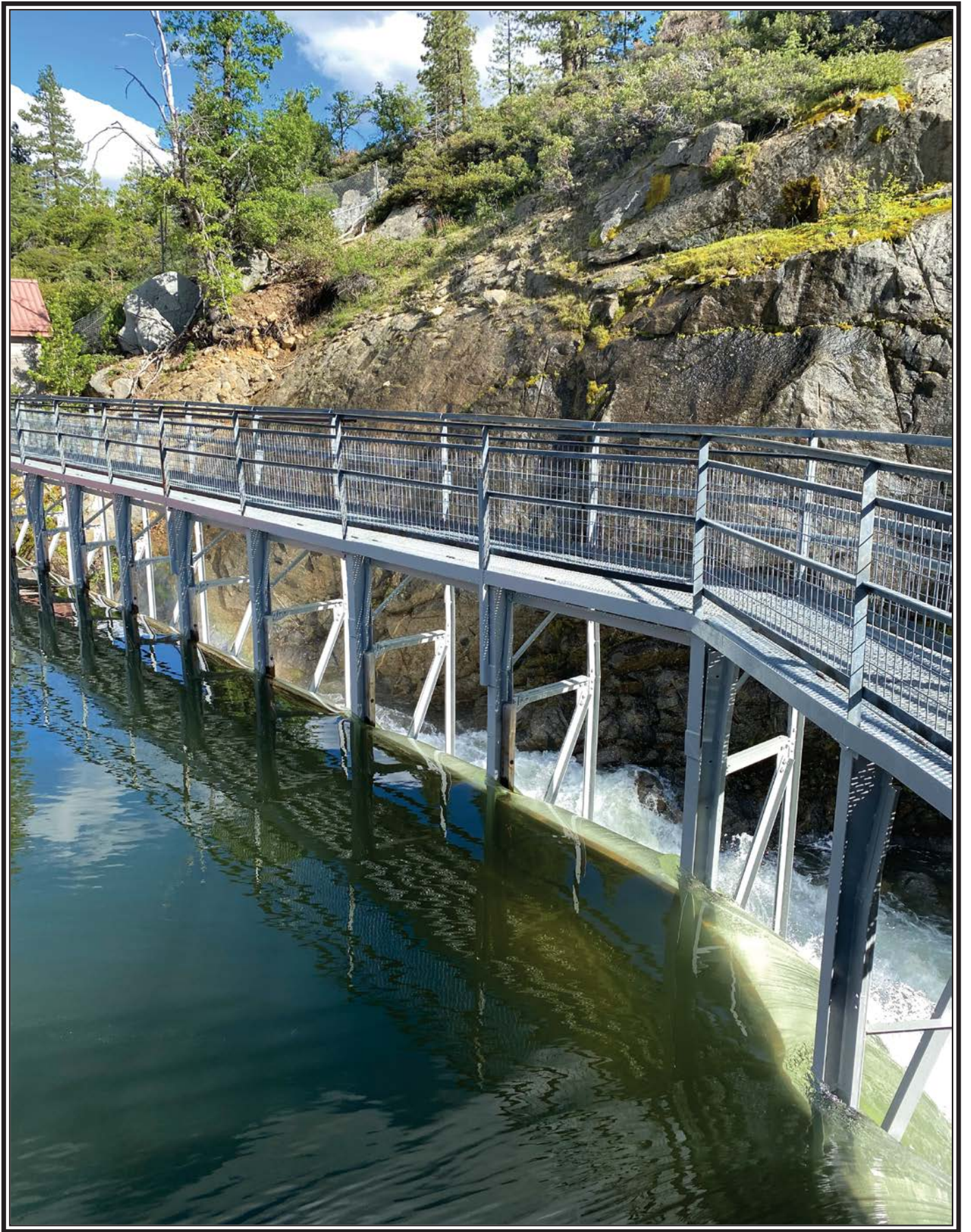


Credit: USGS/Erin Todd, Ph.D.

The American Geosciences Institute represents and serves the geoscience community by providing collaborative leadership and information to connect Earth, science, and people.

www.americangeosciences.org





Earth Science Week 2023 Photography Contest entry by Mandy Roche

LETTER TO OUR STAKEHOLDERS

Geoscientists are problem solvers. We use the tools of science to address the myriad of challenges and opportunities presented as humans strive to live healthy, prosperous, fulfilling lives interacting in a sustainable relationship with Earth's dynamic systems. And because those challenges and opportunities are so numerous and varied, the American Geosciences Institute (AGI) worked with partners across the geoscience community to bring our vital expertise to bear in solving an array of problems in 2023.

We collaborated with affiliated geoscience societies, government agencies, corporate partners, and academic institutions to deliver solutions in the form of programs, publications, and other offerings designed to help our community members build their capacity to thrive in global support of geoscience. From October 2022 through September 2023, we strengthened the geosciences by:

- Celebrating AGI's 75th anniversary with a year of impactful events, including a speech by Colorado Senator John Hickenlooper in a special session of the **Geological Society of America's** national conference and 75 posts on **AGI's social media** highlighting milestone accomplishments of the AGI federation over the past 75 years.
- Making the **Practical Geocommunication** online course, which is endorsed by leading geoscience organizations around the world, available at no cost to all members of AGI member societies, thanks to generous support from the American Association of Petroleum Geologists Foundation.
- Announcing key findings upon conclusion of AGI's National Science Foundation-supported **Geoscience COVID-19 Study** (Award #2029570) and publication of *Vision and Change in the Geosciences: Shaping the Future of Graduate Geoscience Education* as well as the updated **2023 Directory of Geoscience Departments**.
- Introducing innovations in the **AGI/ExxonMobil Geoscience and STEM Teaching and Learning Academy** (TLA), partnering with organizations such as the **Integrated Ocean Drilling Program** and the **Natural Resources Conservation Service** to create education materials, and helping educators connect geoscience instruction to the United Nations **Sustainable Development Goals**.
- Promoting awareness and understanding of the theme "Geoscience Innovating for Earth and People" during **Earth Science Week** through the customized **educator kit, calendar, newsletter, contests, and webinar series** underscoring innovations that are transforming geoscience and its effect on societies.
- Expanding the **GeoRef** bibliographic database to cover references to more than 4.7 million geoscience publications in more than 60 languages, plus additional scholarly information products such as the GeoRef Thesaurus and Open-Access Journals/Series.
- Continuing to support the diversity, equity, and inclusion imperative across the geoscience community through internal and external committees and discussions, scholarships, and ongoing development of a **web portal** to promote related federation activities.
- Leading discussion among members of the federation of geoscience societies about the content and design of the Critical Needs Document during the AGI Leadership Forum, which brought together society leaders for a strategic conversation to develop an impactful resource for policy makers.
- Welcoming into the **AGI Federation** the **International Association for Geoscience Diversity** as a member society and the **University Consortium of Geographic Information Science** (UCGIS) as a liaison organization.

By providing such opportunities, resources, and advantages to members of our community over the past year, AGI has increased awareness of the important work that

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Continued from page 1

geoscientists do in a wide variety of settings worldwide. AGI is supporting geoscientists across the federation not only to *be problem solvers* but also to *help our stakeholders, students, and others* better understand the many ways in which geoscientists serve in this indispensable role.

In the coming year we ask that you will join us in demonstrating how geoscience professionals continually learn, cooperate, and contribute to solve problems for people and the planet. These collaborative efforts help ensure the sustainability not only of our world but also of the geoscience enterprise, illuminating the essential quality of our shared endeavors.



Keri A. Nutter
AGI President
Credit: © Scott Slone, use courtesy of Keri Nutter



Jonathan Arthur, Ph.D.
Executive Director
Credit: AGI/Geoff Camphire

CHEERS



“AGI epitomizes unbiased thoughtful and thorough approaches that bridge the gap between geoscience and public policy. Whether it be the latest advances in earth science, important matters regarding education and communication, or workforce development, AGI provides practical and pragmatic leadership, guidance, and analysis. As an example, I have been very fortunate to work directly with AGI on a national study evaluating the overall impacts and cost effectiveness of geological mapping. AGI’s keen insights and innovative approaches have been invaluable to this important study.”

James Faulds, Nevada State Geologist and Past-President of the Association of American State Geologists

“AGI has been a perfect partner for IODP over the past couple of years. Bringing together our content expertise with their networks, experience, and attention to detail has resulted in great opportunities and products for the geoscience education community and beyond. We are looking forward to our continued and growing collaborations in the years to come.”



Sharon Katz Cooper, Education and Outreach Senior Manager, International Ocean Discovery Program

“AGI represents the collective voice of geoscientists across the diverse geoscience spectrum by fostering collaboration in our joint effort to positively support and inform society. This is why I am passionate about AGI and its member societies—because together they enable geoscientists to further impact society, and we are all stronger working together.”



Rebecca Caldwell, Research Geoscientist and Basin Analyst, Chevron, and Member, AGI Board of Directors

Image use courtesy of pictured individuals. Credit details as noted.

AGI BY THE NUMBERS

- 4,700,00+** References made available in the **GeoRef** bibliographic database and the GeoRef in Process database.
- 38** **Geoscience Online Learning Initiative (GOLI)** on-demand online courses available via a next-generation platform launched during the 2022–2023 fiscal year.
- 19** **Webinars** conducted for the geoscience community.
- 337,822** Page views on **Earth Science Week** website.
- 29** Earth science teachers who received professional development through the in-person **AGI/ExxonMobil Geoscience and STEM Teaching and Learning Academy** and the **International Ocean Discovery Program** School of Rock program.
- 15** **New webinars** for geoscience educators (reaching 314 participants) produced as part of the **Next Generation Science Standards in Earth and Space Science Working Group**, an ongoing collaboration of AGI with the National Association of Geoscience Teachers and the National Earth Science Teachers Association.
- 38** Organizational partners engaged directly with AGI in the 26th annual **Earth Science Week**, which included many exciting activities, including **five new webinars** dealing with the theme of innovation in the geosciences.
- 1,221** Enrollments by members of AGI member societies in the **Practical Geocommunication** geoscience communication training course offered by Geologize for free by AGI with support from the AGI Foundation.

AGI LEADERSHIP FORUM

During the AGI Leadership Forum on February 15, 2023, AGI federation members worked to help apply geoscience expertise to policy making, with the aim of framing guidance in a way that policy makers can readily use. Dozens of participating geoscience leaders discussed numerous priorities — and an innovative

new structure — for the upcoming Critical Needs Document.

Every four years, AGI member societies help develop this shared statement on issues and policy recommendations, which is provided to presidential campaigns, federal agencies, and key congressional

committees and members. Forum participants discussed a new strategy to make the 2024 document more relevant and effective. The Leadership Forum is an event hosted annually by AGI as a means of exploring challenges, sharing information, and strengthening collaborative leadership within the AGI federation.



American Geosciences Institute

75th Anniversary



CELEBRATING OUR 75TH ANNIVERSARY

AGI was established on November 15, 1948, under a directive of the National Academy of Sciences, with the first annual meeting of its Board of Directors. To celebrate its 75th anniversary, AGI conducted special events and invited geoscience community members to share and reflect on key moments in federation history via social media.

On platforms including [LinkedIn](#), [X \(Twitter\)](#), [Facebook](#), and [Instagram](#), AGI offered posts such as these on the 75 business days leading up to November 15, 2023:

- In 1948, Harry S. Truman was President, gasoline was 26 cents a gallon, and movie audiences turned out for “Abbott and Costello Meet Frankenstein.” But best of all, AGI’s Board of Directors gathered for the first time on November 15, establishing our federation of geoscience societies that now includes more than 60 affiliate organizations including member societies, associates, and liaisons. **Share and celebrate #AGI75years with us!**
- Did you know that in 1955 AGI launched what was then called the AGI Manpower Committee? The effort has evolved into what has become today’s AGI Workforce Program, which offers geoscience workforce data, reports, professional development, and additional resources. **Share and celebrate #AGI75years with us!**
- It was in 1997 that AGI announced a new congressional science fellowship sponsored by the AGI Foundation. To this day, the Fisher Fellowship enables qualified scholars to spend 12 months working as a staff member in the

office of a member of Congress or congressional committee. **Share and celebrate #AGI75years with us!**

- In 1966, with funding from the National Science Foundation, AGI established GeoRef, a bibliographic database providing access to the geoscience literature of the world. Today GeoRef remains an indispensable tool for researchers and students alike. **Share and celebrate #AGI75years with us!**
- Did you know that in 1998 Earth Science Week originated, in part, as a celebration of AGI’s 50th anniversary? The inaugural event was funded by two cosponsors—the American Association of Petroleum Geologists (AAPG) and Research Systems Inc.—in addition to AGI. Additional major partners were USGS, Joint Oceanographic Institutions, and USDA Forest Service. Earth Science Week continues today with partners spanning government, nonprofit, academic, and private sectors. **Share and celebrate #AGI75years with us!**

You can search the hashtag “#AGI75years” on [LinkedIn](#) and [X \(Twitter\)](#) or search #agi75years on [Instagram](#) to see all 75 posts from the campaign.

AGI also marked the anniversary with a full-day Special Session at the Geological Society of America’s 2022 National Conference featuring a speech by Colorado Senator John Hickenlooper on “Implementing a Vision of Sustainability as a Unifying Geoscience Framework,” talks, and a panel discussion on a range of topics.



PRACTICAL GEOCOMMUNICATION

It has perhaps never been more important for geoscientists to communicate effectively with the public. In response, AGI launched an effort to make **free training in geoscience communication** available to members of AGI member societies, thanks to generous support from the American Association of Petroleum Geologists Foundation.

“We all understand the importance of communicating geoscience to the public and other stakeholders, and we believe this is crucial in addressing societal issues,” AGI Executive Director Jonathan Arthur said on announcing the initiative. “To address emerging challenges in building public understanding, boosting enrollments, and strengthening the professional workforce in the geosciences, we must have more geoscientists communicating effectively with audiences, in classrooms, and on social media.”



Geologize, LTD

The Practical Geocommunication course presented by **Geologize LTD**, which is valued at \$400 per person, has been offered at no cost throughout the year to all members of **AGI member societies**. Endorsed by leading geoscience organizations around the world, the online course has enabled participants to access lessons, quizzes, assignments, and direct interaction with the course instructor, Dr. Haydon Mort.

The effort, officially launched on March 1, 2023, was an immediate success, with more than 1,200 members of AGI member societies enrolling in the course by the end of the fiscal year on September 31, 2023.

The free offering of the course, which has continued beyond 2023, enables geoscientists at all career stages to become more effective and powerful public ambassadors for the geosciences. In addition, the training counts as nine hours of Continuing Professional Development, and a certificate is provided upon completion.

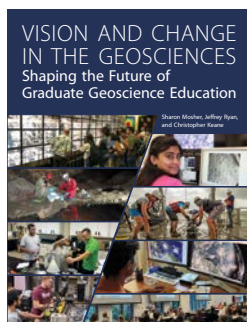
To learn more about how to take advantage of this opportunity, see the **Practical Geocommunication website**.



Geologize, LTD

GEOSCIENCE PROFESSION AND HIGHER EDUCATION

- Concluded AGI's multi-year **Geoscience COVID-19 Study**, supported by the National Science Foundation (NSF) (Award #2029570), with a final report on permanent impacts to geoscience workforce and higher education as a result of the pandemic, as well as an archive of oral histories and a collection of data-rich charts illustrating the study's results (see sidebar).
- Announced publication of **Vision and Change in the Geosciences: Shaping the Future of Graduate Geoscience Education**, a new report that articulates a vision for the future of geoscience graduate education, addressing issues including skills and competencies needed for professional success, program strategies for developing these skills and competencies in graduate programs, and implementation strategies that departmental and program leaders can use for transformative change.
- Launched a next-generation platform for AGI's **Geoscience Online Learning Initiative** (GOLI), bringing visitors an enhanced web interface, new search features, and filter options that allow students and other geoscience professionals to easily identify new professional continuing education courses across the entire GOLI catalog.
- Collaborated with the SAGE Facilities operated by Incorporated Research Institutions for Seismology to host on GOLI a free, five-hour course, "**Unearth Your Future: How You Can Shape the Geoscience Profession for the Needs of the 21st Century**," which helps undergraduate students to better understand geoscience and geophysics careers, workforce information, and key strategies for a successful job search.
- Released the updated **2023 Directory of Geoscience Departments**, which compiles information about geoscience departments and researchers around the world, and announced the availability of both print and digital editions of **The Geoscience Handbook**.



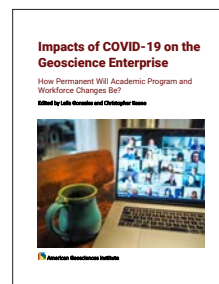
GEOSCIENCE COVID-19 STUDY SHAPES PRACTICE

The COVID-19 pandemic prompted a range of adaptive workplace strategies — from targeted uses of technology to increased flexibility in work locations and schedules — that are influencing education and the profession into the future, according to the final report of the multi-year **Geoscience COVID-19 Impacts Study**, funded by the National Science Foundation (Award #2029570).

"This study has been useful to me in my diversity, equity, and inclusion work in helping explore how different the impacts of the pandemic were to different group of geoscientists," said Sarah Sheffield, an assistant professor in the University of South Florida's School of Geosciences, who took part in the project. Sheffield said the experience made her aware of the challenges of building a lab during a pandemic, including equipment delays, teaching online, and mentoring graduate students in new ways.

Examining short- and long-term effects on the geoscience workforce and higher-education programs, the study mapped the transition from pre-pandemic to post-pandemic environments for geoscience employers, non-academic geoscientists, academic faculty, geoscience college and university students, and recent geoscience graduates.

"As we recalibrate our work culture going forward — such as through remote and hybrid work options — studies like this can help inform those processes and decisions," said Curtis Walker, a project scientist at the U.S. National Science Foundation National Center for Atmospheric Research, who participated in project surveys and oral histories. "Additionally, it is important for project leaders like myself to embrace the tools and best practices available in managing and still promoting an engaging hybrid work environment."



Publication covers ©AGI.



EDUCATION AND OUTREACH

- Responded to specific needs of educators by adjusting the 2023 **AGI/ExxonMobil Geoscience and STEM Teaching and Learning Academy** (TLA) to include elementary and middle school educators who are relatively new to earth science teaching roles. This involved implementing a new model that extends support to participants through the academic year, provides direct contact with STEM professionals, connects teaching to the United Nations **Sustainable Development Goals**, and continues to guide teachers' use of educational activities that derive from AGI's work with partners (see item, page 8).
- Partnered with the **International Ocean Discovery Program** (IODP), an international marine research effort. IODP runs the School of Rock (SOR) program, which enables educators to enrich their practice, often while living on the scientific drilling vessel JOIDES Resolution (JR). The goal of the partnership is to revise dozens of K–12 geoscience lessons generated across 15 years of the SOR program. The lessons emphasize the use of real-world data from sub-seafloor cores collected on the JR to engage with earth science concepts and career information.
- Launched a new **Early Career Professionals in Mapping webinar series** with support from the **U.S. Geological Survey National Cooperative Geologic Mapping Program**, featuring early-career geoscience professionals sharing their work related to mapping, especially geologic mapping, as well as their experiences beginning as geoscience professionals.
- Collaborated with the **Natural Resources Conservation Service** (NRCS) and the Soil Science Society of America to promote soils education, including assembling a collection of NRCS **soil education resources** on AGI's **Education GeoSource** database and developing lessons, including on soils susceptible to permafrost melt and erosion.
- Provided numerous presentations, both in online events and at conferences of partner organizations such as **IODP**, the **National Association of Geoscience Teachers**, the **National Earth Science Teachers Association**, the **National Marine Education Association**, and the **Association for Middle Level Education**.



School of Rock class on taking sediment samples to analyze sediment and microfossil content throughout a core.

Credit: L. Mossa, AGI

ACADEMY EVOLVES TO RESPOND TO EDUCATORS' NEEDS

Recent changes to how earth science is included in K–12 curricula have led to many teachers addressing geoscience topics that are new to them as part of their teaching. The 2023 **AGI/ExxonMobil Geoscience and STEM Teaching and Learning Academy (TLA)** continued the long-standing partnership between AGI and ExxonMobil by providing enrichment for K–8 teachers. The TLA implemented a model in 2023 that addresses the needs of teachers who are relatively new to teaching earth science and extends the learning and support to participants throughout the school year.

Meeting in two grade-level cohorts (grades K–4 and 5–8) for three days each during July, the TLA engaged teachers in hands-on activities, many of which grew out of AGI's work with partners such as the **Natural Resources Conservation Service, NASA, the U.S. Geological Survey**, and others. Also, ExxonMobil scientists joined in person and virtually to share their experiences as STEM professionals.

In addition to AGI Education and Outreach Department staff, the TLA facilitation team included Marcia Train, 2023 winner of AGI's **Edward C. Roy Jr. Award for Excellence in K–8 Earth Science Teaching**. "It was an amazing experience working with fellow teachers who are so excited about learning and teaching," said Train, who demonstrated her project-based teaching approach. "It was a great forum to present ideas that were then enhanced by the knowledge of my peers."

Through the TLA, AGI also promoted the teachers' knowledge of the 17 United Nations **Sustainable Development Goals (SDGs)** and the role the geosciences play in making progress toward achieving them. Discussions encouraged inclusion of the SDGs in the teachers' lessons in the upcoming school year. For example, an activity on soil erosion connects closely to SDG 2 (Zero Hunger) and has links to goals such as SDG 11 (Sustainable Cities and Communities) and SDG 15 (Life on Land).

Through the participating teachers, the TLA's impact extends to students in the fall. "I am teaching geoscience for the first time and decided to start with teaching about the UN and the SDGs, relating back to Life on Land, Life Below Water, and Climate Change," said Manda Kassel, a fifth-grade teacher in Alaska. "The students worked in groups and created a poster while using the SDG websites and reading about the goals. As the year progresses, I will be teaching other subject matter for explorations and will add more of the SDGs around the room!"

Positive outcomes from the TLA reached other educators, too, as participants shared their learning with colleagues. This took place, for example, as three teachers who met at the TLA — Jennifer Fisher, Julie Edelson, and Chloe Westhafer — presented at the annual Georgia Science Teaching Association conference in February 2024 about ways they brought the SDGs into their classroom teaching.

SUSTAINABLE DEVELOPMENT GOALS



SDG graphics: ©United Nations Department of Economic and Social Affairs.



EARTH SCIENCE WEEK

- Partnered with dozens of organizations for the 26th annual **Earth Science Week**, creating and collaborating on a range of online resources, printed media, presentations, contests, events, and activities across the nation and around the globe, celebrating the theme of **“Geoscience Innovating for Earth and People.”**

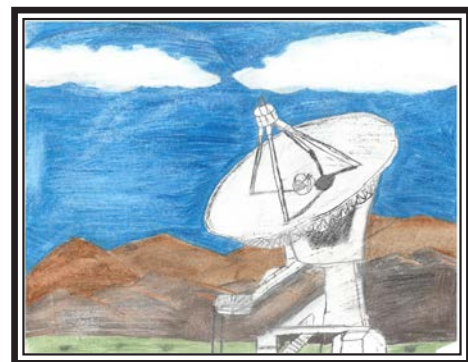
- Reinforced connections between geoscience education and the United Nations Sustainable Development Goals (SDGs) by highlighting two of GWB’s projects in educational materials produced for Earth Science Week. A webinar featured a presentation on a GWB project in Nigeria that used geophysical techniques to locate safe water sources, and included a segment on how this work helps to achieve SDGs 3, 5, and 6. A GWB project on landslide mitigation was highlighted in the June activity of the Earth Science Week Calendar, helping students make connections to SDGs 9, 11, and 15.



2023 Earth Science Week poster
Credit: American Geosciences Institute

- Produced the **Earth Science Week 2023 Webinar Series**, offering presentations on geoscience innovations relating to drones, photogrammetry, mining, critical materials, and safe drinking water. The series featured over a dozen speakers and partners including the **Geoscientists without Borders®** (GWB) program affiliated with the Society of Exploration Geophysicists.

- Collaborated with the Washington Department of Natural Resources, **U.S. Geological Survey**, the **Association of American State Geologists**, and the **Geological Society of America** to design the 2023 **Geologic Map Day** poster, which explored how geologic mapping is enhanced through applications of lidar (light detection and ranging) technology.



2023 ESW Visual Arts Contest entry by Montoya Tracer

SCHOLARLY INFORMATION

- Expanded **GeoRef**, the primary bibliographic database covering the geoscience literature, which in combination with GeoRef in Process brings the total in both databases to more than 4.7 million references to publications in more than 60 languages and published in more than 140 countries, with over 2,000 geoscience organization subscribers worldwide.
- Grew the GeoRef Thesaurus, a resource for efficient searching of **GeoRef**, to include more than 33,700 controlled vocabulary terms, enabling users enhanced capacity to use terms correctly, understand their scientific context, and locate related research.
- Added 167 journals and series to AGI's collection of **Open-Access Journals/Series**, established in 2019, raising the total from 449 to 614.
- Welcomed Tia Colvin, a 26-year member of the AGI staff, as Director of Scholarly Information, following the retirement of longtime department head Sharon Tahirkheli. Also promoted long-term employees Alex Korbey and Mary Ann Eitler to Associate Editors after the retirement of Afifa Kechrid.



ONLINE DATABASE PRODUCTS MAKE IMPACT

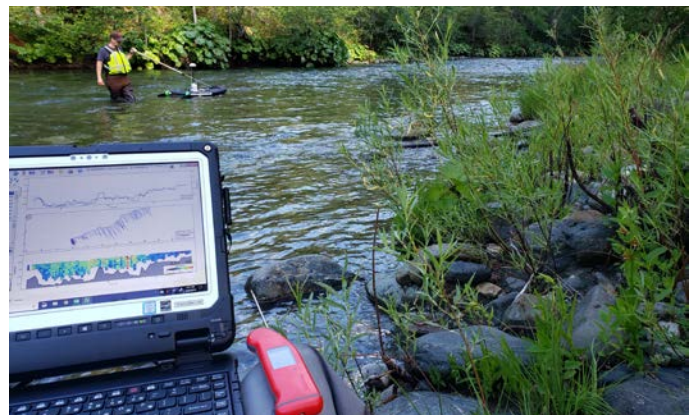
The growing number of subscription-based and free **online databases** hosted by AGI is helping to connect geoscience researchers and other professionals and students with the data they need. Consider the online database products available by subscription, which include the **AusGeoRef Database** on Australian geoscience literature dating to 1840, the **CanGeoRef Database** on the Canadian literature since the early 1800s, and the **Groundwater and Soil Contamination Database** of worldwide literature on the topic including over 185,000 bibliographic references.

"Partnering with AGI on GeoRef and the Australian subset AusGeoRef has become a significant component of our strategic plan, which includes enabling an informed nation to equip government, communities, and industry with geoscience data and information to make decisions for our nation," said Chris Nelson, Library Manager of **Geoscience Australia**.

And there are AGI's additional boutique database options. The **GeoRef Previews Database** freely allows a sneak peek at new citations working their way into GeoRef. Also available for free are the **Cold Regions Bibliography Project**, **MINABS Online**, **Geologic Guidebooks of North America**, the **Scientific Ocean Drilling Bibliographic Database**, the

Geologic Surveys Database, and the **Midwest Regional Carbon Initiative (MRCI) and Related Projects Research Publications Database**.

Nelson offered thoughts about how such scholarly information partnerships hold promise for the geoscience community: "Increasing knowledge-sharing in this way will keep people abreast of developments in the geosciences and may well help us meet present-day challenges — such as more innovative use of natural resources, building community resilience to natural hazards, and transitioning to low-emission economies — to ensure a better future for generations to come."



Brandon Ledbetter/USGS

GEOSCIENCE POLICY

- Kicked off the work of a committee of member society leaders to develop the upcoming Critical Needs Document, a shared statement on key geoscience issues and policy recommendations — featuring a new format designed to better address policy makers’ priorities and perspectives — that will be shared with presidential campaigns, federal agencies, and key congressional committees and members in 2024.
- Named Dr. Christine Ray, who earned her Ph.D. in physics in 2021 under the joint space physics program of the University of Texas at San Antonio and the Southwest Research Institute, as the 2023–2024 recipient of the **William L. Fisher Congressional Geoscience Fellowship**, which is enabling Ray to work as a staff member in the office of Senator John Hickenlooper, gaining insight into the legislative process and contributing geoscience expertise, mainly on issues of energy and resources.



Credit: Mike Litterst/NPS

- Hosted a **geoscience policy intern sponsored by the Paleontological Society** (PS), Edward Medeiros, a Ph.D. student from George Mason University, who helped to develop paleontology-related policy aspects of the upcoming Critical Needs Document.



Dr. Christine Ray, 2023–2024 recipient of the Fisher Congressional Geoscience Fellowship
Image use courtesy of Dr. Ray.





RECOGNITION OF EXCELLENCE

- Honored Dr. Vicki S. McConnell, former Executive Director of The Geological Society of America (GSA) and current GSA Executive Director Emerita, as the 2023 **AGI Medal in Memory of Ian Campbell for Superlative Service to the Geosciences**.



Marcia Train

- Recognized Dr. Rodney C. Ewing, professor in the Department of Earth & Planetary Sciences, Stanford Doerr School for Sustainability, as the 2023 recipient of the **William B. Heroy Jr. Award for Distinguished Service to AGI**.



Mark Goldner

- Awarded Dr. Brian F. Atwater, Scientist Emeritus of the U.S. Geological Survey and Affiliate Professor in the Department of Earth and Space Sciences at the University of Washington, the 2023 **Marcus Milling Legendary Geoscientist Medal**.



- Celebrated Marcia Train, a teacher at Long Island Elementary School in Long Island, Maine, and Mark Goldner, a middle-school science teacher at Heath School in Brookline, Massachusetts, as recipients of the 2023 **Edward C. Roy Jr. Award for Excellence in K-8 Earth Science Teaching**.

Image use courtesy of pictured individuals.



HOW AGI IS SPREADING FEDERATION NEWS

Over the past year AGI continued getting out important federation information to relevant audiences through numerous outlets:

- **Geoscience Event Calendar** highlights major events of AGI federation members.
- **News Announcements** detail AGI-affiliate partnership news items as they become available.
- **AGI Connections** e-newsletter articles feature success stories and news spanning the federation.
- **Social Media** posts on LinkedIn, X (Twitter), Facebook, and Instagram share news daily.
- **Webinars** provide a unique forum for exploring topics important to geoscientists and geoscience educators.
- **Earth Science Week** annually disseminates affiliates' education materials to teachers and students worldwide.

And, of course, longstanding communication forums such as the **AGI Website** and the **AGI Annual Report** convey critical information not only about the Institute but also many of our federation members.



Credit: National Park Service photo by KLY Photography





DIVERSITY, EQUITY, AND INCLUSION (DEI)

- Presented \$5,000 **AGI Scholarship for Advancing Diversity in the Geoscience Profession** to master’s student Isabelle Caban and \$5,000 **Harriet Evelyn Wallace Scholarship for Women Geoscience Graduate Students** each to master’s student Lauren Sankovitch and doctoral student Erin Donaghy.
- Advanced the work of an **intersociety committee** and an **internal committee** on DEI to coordinate geoscience community efforts and to support active engagement at all levels of the profession in promoting these values.
- Updated and maintained our **DEI website**, providing resources and promoting awareness of efforts by AGI and federation affiliates to address DEI issues in the geoscience community. AGI modified its bylaws to state that at least one of the Members at Large should be an early-career professional geoscientist.



Isabelle Caban, the 2023 recipient of the AGI Scholarship for Advancing Diversity in the Geoscience Profession.



Lauren Sankovitch (left) and Erin Donaghy (right), 2023 winners of AGI’s Harriet Evelyn Wallace Scholarship for Women Geoscience Graduate Students.

SUPPORT THE GEOSCIENCES

Be a champion for AGI partnerships that enrich geoscience education, workforce, policy, scholarly information, recognition of excellence, and related efforts. Join us in this vital work. Please contribute to AGI at: <https://www.americangeosciences.org/donate>



Image use courtesy of pictured individuals. Earth system artwork ©AGI/Brenna Tobler

AUDITED FINANCIAL STATEMENTS

American Geosciences Institute, Fiscal Year 2023 (Oct. 2022–Sept. 2023)

<u>ASSETS</u>	<u>2023</u>	<u>2022</u>	<u>2021</u>
Current Assets			
Cash and cash equivalents	\$7,426,815	\$7,141,063	\$2,605,347
Accounts receivable	\$613,377	\$641,231	\$671,488
Prepaid expenses and advances	\$58,343	\$31,222	\$36,385
Inventory of publications	\$6,990	\$5,981	\$9,097
Total current assets	<u>\$8,105,525</u>	<u>\$7,819,497</u>	<u>\$3,322,317</u>
Property and Equipment			
Building and improvements	\$2,300,971	\$2,434,782	\$2,568,593
Furniture and equipment	\$204,232	\$353,027	\$481,226
Land	\$525,032	\$525,032	\$525,032
Net property and equipment	<u>\$3,030,235</u>	<u>\$3,312,841</u>	<u>\$3,574,851</u>
Other Assets			
Trademark	\$108,540	\$108,540	\$108,540
GeoRef database	\$4,500,000	\$4,500,000	\$4,500,000
Mineral displays	\$13,363	\$13,363	\$13,363
Total other assets	<u>\$4,621,903</u>	<u>\$4,621,903</u>	<u>\$4,621,903</u>
Total assets	<u>\$15,757,663</u>	<u>\$15,754,241</u>	<u>\$11,519,071</u>
<u>LIABILITIES AND NET ASSETS</u>	<u>2023</u>	<u>2022</u>	<u>2021</u>
Liabilities			
Accounts payable and accrued expenses	\$455,488	\$483,068	\$464,990
Deferred revenue	\$0	\$2,167	\$80,210
Long-term loans	\$1,291,606	\$1,329,859	\$1,366,043
Total liabilities	<u>\$1,747,094</u>	<u>\$1,815,094</u>	<u>\$1,911,243</u>
Net Assets			
Unrestricted — fund balance	\$9,294,796	\$9,375,249	\$9,441,258
Temporarily restricted	\$1,985,213	\$1,833,338	\$166,570
Permanently restricted	\$2,730,560	\$2,730,560	\$0
Total net assets	<u>\$14,010,569</u>	<u>\$13,939,147</u>	<u>\$9,607,828</u>
Total liabilities and net assets	<u>\$15,757,663</u>	<u>\$15,754,241</u>	<u>\$11,519,071</u>

AGI BOARD OF DIRECTORS, 2022–2023



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Images courtesy of pictured individuals; Aida Farough photo: Mahfam Braithwaite; Jonathan Arthur photo: AGI/Geoff Camphire.

2023 AGI FEDERATION

AGI Member Societies

AASP - The Palynological Society
American Association of Geographers
American Association of Petroleum Geologists
American Geophysical Union
American Institute of Hydrology
American Institute of Professional Geologists
American Meteorological Society
American Rock Mechanics Association
Association for the Sciences of Limnology and Oceanography
Association for Women Geoscientists
Association of American State Geologists
Association of Earth Science Editors
Association of Environmental & Engineering Geologists
Clay Minerals Society
Council on Undergraduate Research
Geo-Institute of the American Society of Civil Engineers
Geochemical Society
Geological Association of Canada
Geological Society of America
Geological Society of London
Geoscience Information Society
History of Earth Sciences Society
International Association for Geoscience Diversity
International Association of Hydrogeologists/U.S. National Chapter
International Medical Geology Association
Karst Waters Institute
Mineralogical Society of America
Mineralogical Society of Great Britain and Ireland
National Association of Black Geoscientists
National Association of Geoscience Teachers
National Association of State Boards of Geology
National Cave and Karst Research Institute
National Earth Science Teachers Association
National Speleological Society
North American Commission on Stratigraphic Nomenclature
Paleontological Research Institution
Paleontological Society
Petroleum History Institute
Seismological Society of America

SEPM (Society for Sedimentary Geology)
Society for Mining, Metallurgy & Exploration
Society of Economic Geologists
Society of Exploration Geophysicists
Society of Independent Professional Earth Scientists
Society of Mineral Museum Professionals
Society of Vertebrate Paleontology
Soil Science Society of America
United States Permafrost Association

AGI International Associates

Geological Society of Africa
International Association for Promoting Geoethics
PMUG (Japanese Society of Geo-Pollution Science, Medical Geology and Urban Geology)

AGI Regional Associates

Geological Society of Connecticut
Geological Society of Washington
Western Water Assessment

AGI Trade Associate

National Groundwater Association

AGI Liaison Organizations

Australian Institute of Geoscientists
The National Academies - Board on Earth Sciences and Resources
Canadian Federation of Earth Sciences
Consortium for Ocean Leadership
Earth Science Information Partners
Energistics
GeoScienceWorld
International Union of Geological Sciences
U.S. Dept. of Energy (Geothermal Technologies Office)
U.S. Geological Survey
University Consortium of Geographic Information Science



Earth Science Week 2023 Photography Contest entry by Jerry Nissley



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For direct links to more information on the many programs, opportunities, resources, and initiatives mentioned here, see the report online at www.americangeosciences.org/annual-report.