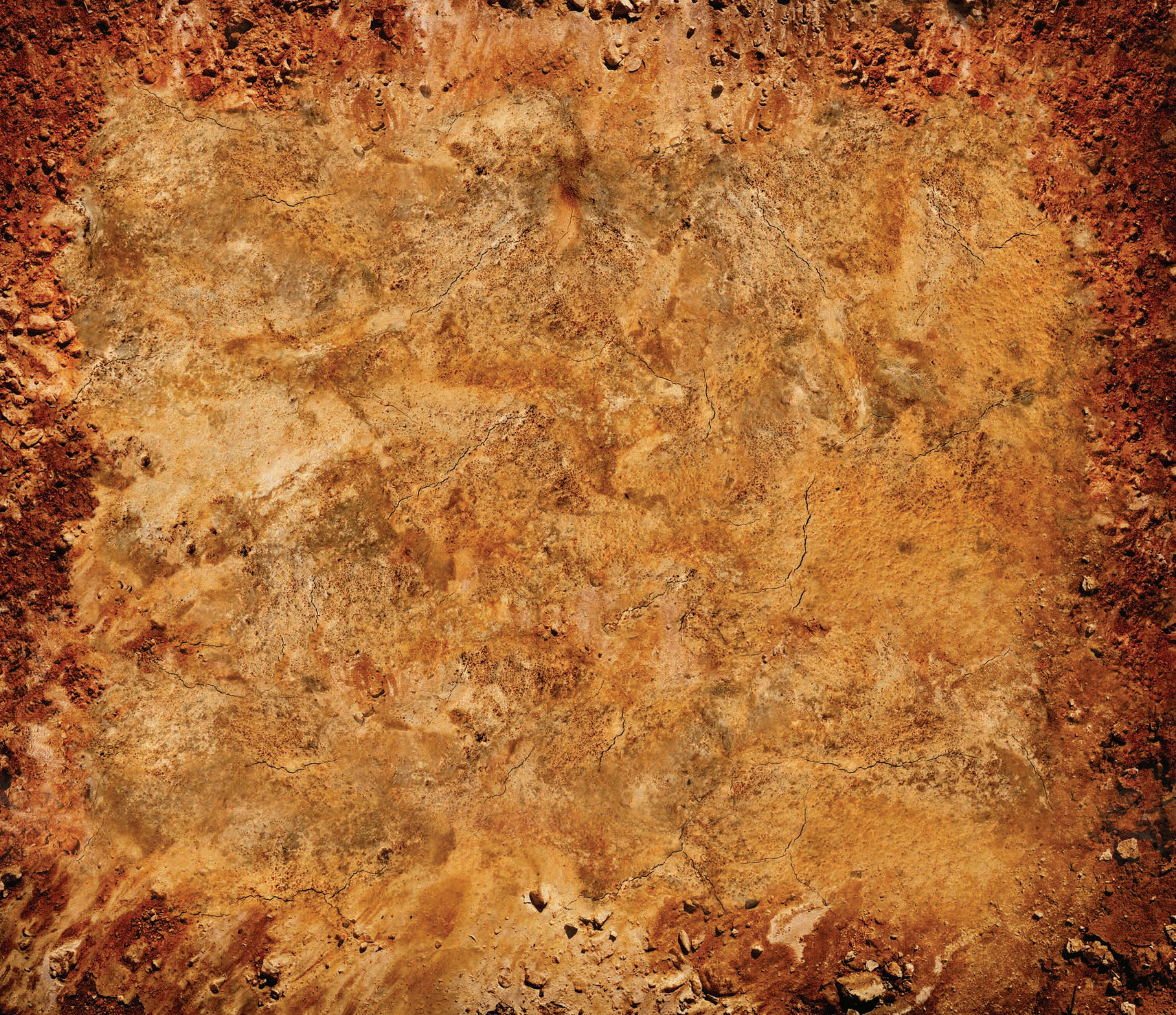


EXPANDING OUR REACH

2013 ANNUAL REPORT





Contents

LETTER FROM THE PRESIDENT 4

STRATEGIC GOALS 8

FINANCIAL SUMMARY 22

DONORS AND SPONSORS 24

VOLUNTEERS 38



LETTER FROM THE PRESIDENT

The world's most pressing problems cross borders and oceans, affecting urban and rural environments, developed and developing economies, and families and legislative bodies equally, albeit in different ways. These problems have created a global need for scientific innovation and collaboration, as many of the solutions will be rooted in scientific research. Understanding these challenges, like the availability of natural resources, such as water, minerals, or energy, or the devastating impact of climate change and natural hazards, can help us better manage the risk and find sustainable solutions. The Earth and space sciences have a significant societal relevance and therefore the potential to save lives, protect our national security, create jobs, and help grow our economy and support global competitiveness.

AGU has the resources to help find solutions to these problems—whether it's through our members, who represent the full breadth of the Earth and space



sciences; our highly cited journals, which reflect that expansive range of cutting-edge research; or our meetings and conferences, which bring together the brightest minds to share critical new information with one another and to identify areas ripe for collaboration. That is why I'm so proud of the work of AGU has done in 2013 to expand the reach of our science for the benefit of humanity.

AGU disseminated groundbreaking research through our high-impact journals and world-renowned meetings and conferences. We launched a second open access journal, *Earth's Future*, and created mobile applications for all of our journals, making research accessible from virtually anywhere. In addition, we created our first Virtual Options program, offering an extensive amount of content from our 2013 Fall Meeting, such as sessions, lectures, and press conferences, online as videos on demand that are accessible by the general public 24 hours a day. By expanding access to our journals and increasing the visibility of research presented at AGU meetings, we are ensuring that scientists, affiliated professionals, policy makers, and the public alike all have access to the critical scientific knowledge they need to make informed decisions. Similarly, AGU invested tremendous effort in 2013 to make sure science not only was available but was communicated in a way the general public could understand, identify with, and be motivated by. Through 64 press releases that covered issues such as climate change, natural disasters, and major events in space, AGU was a valuable resource for reporters looking to more broadly inform society about the sciences. AGU also equipped members with the skills needed to communicate their work to an array of audiences through workshops, online resources, and speaking opportunities available through AGU's Sharing Science program.

As we work to grow the visibility of our science to help find solutions to problems facing our planet, AGU's accomplishments this past year have helped make the Earth and space sciences more relevant to society.

| Carol Finn

Mission

The purpose of the American Geophysical Union is to promote discovery in Earth and space science for the benefit of humanity.

Vision

AGU galvanizes a community of Earth and space scientists that collaboratively advances and communicates science and its power to ensure a sustainable future.

Strategic goals

SCIENTIFIC LEADERSHIP & COLLABORATION

The American Geophysical Union is a leader, collaborator, and sought after partner for scientific innovation, rigor and interdisciplinary focus on global issues.

SCIENCE & SOCIETY

The American Geophysical Union engages members, shapes policy, and informs society about the excitement of Earth and space science and its role in developing solutions for the sustainability of the planet.

TALENT POOL

The American Geophysical Union is a diverse and inclusive organization that uses its position to build the global talent pool in Earth and space science.

ORGANIZATIONAL EXCELLENCE

As a scientific society, the American Geophysical Union operates within a new business model that is sustainable, transparent, and inclusive in ways that are responsive to members and stakeholders.

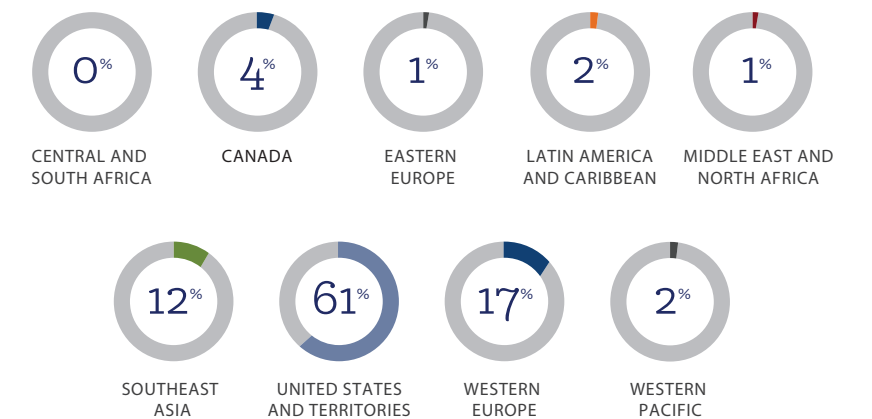
Members at a glance

SECTION & FOCUS GROUPS

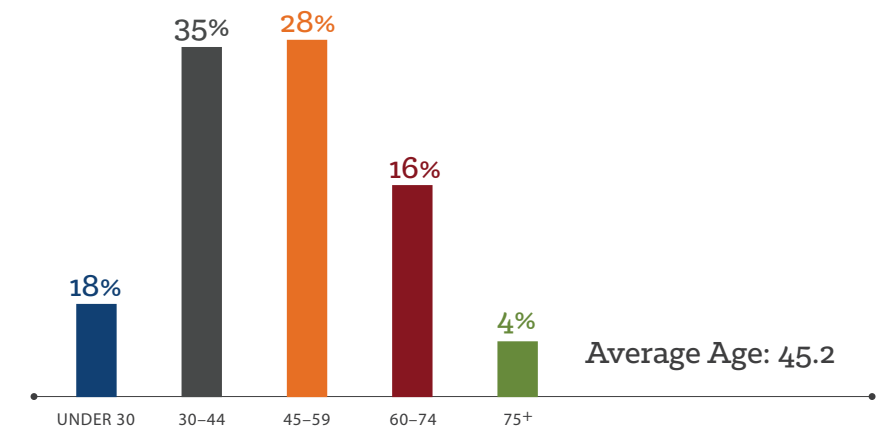
- 14% | ATMOSPHERIC SCIENCES
- 12% | HYDROLOGY
- 11% | OCEAN SCIENCES
- 7% | VOLCANOLOGY, GEOCHEMISTRY & PETROLOGY
| SPACE PHYSICS & AERONOMY
- 6% | BIOGEOSCIENCES
| SEISMOLOGY
- 5% | NO PRIMARY CHAPTER
| TECTONOPHYSICS
- 4% | PLANETARY SCIENCES
| GLOBAL ENVIRONMENTAL CHANGE
- 3% | PALEOCEANOGRAPHY & PALEOCLIMATOLOGY
| EARTH & PLANETARY SURFACE PROCESSES
- 2% | CRYOSPHERE SCIENCES
| GEODESY
| GEOMAGNETISM AND PALEOMAGNETISM
| NATURAL HAZARDS
- 1% | EARTH & SPACE SCIENCE INFORMATICS
| MINERAL & ROCK PHYSICS
| NEAR SURFACE GEOPHYSICS
| SOCIETAL IMPACTS & POLICY SCIENCES
| STUDY OF THE EARTH'S DEEP INTERIOR
| ATMOSPHERIC & SPACE ELECTRICITY
| NONLINEAR GEOPHYSICS

- By the end of 2013, membership reached a record high of **62,892**, up from 62,812 in 2012.
- **22%** of members were students. Of the 78 percent classified as regular members, **3%** were associate members, and **5%** were lifetime members.
- **21%** were female, **66%** were male, and **13%** were unreported.
- AGU members resided in **139 countries**.
- **10%** of members supported AGU through annual donations.

REGIONAL MEMBERSHIP BREAKDOWN



AGU MEMBERSHIP AGE DISTRIBUTION



Scientific Leadership & Collaboration



AGU is a hub for scientific expertise on everything from the Earth's core to the farthest exoplanets. In 2013, AGU used its strong standing in the scientific community to expand the reach of science through its journals, meetings, and cooperation with other organizations.

ILLUMINATING DISCOVERIES: AGU JOURNALS

A publishing innovator, AGU disseminates groundbreaking research through its 19 journals and in 2013 focused on increasing the readership of these publications. Through its partnership with Wiley, AGU has expanded its reach to a growing international audience, including scientific communities in Europe, China, Japan, and the United States. Also with Wiley, AGU took part in Research4Life, enabling the organization to offer free or low-cost access to AGU publications in more than 100 countries in the developing world. As a result of these efforts, an average of 500,000 AGU full-text journal articles were accessed online each month in 2013, up significantly from the previous year.

AGU improved its time to publication in 2013, allowing new science to reach readers at significantly faster rates, with the majority of articles published in less than four weeks following acceptance. AGU's time to publication after acceptance is faster than other similar journals, including Science, Nature, and Proceedings of the National Academy of Sciences of the United States of America.

Tapping into technology, AGU increased access to its journals by making them easier to use online. The organization introduced new iPad applications that provide users with a gateway to AGU's journals from any location, using their personal or their institution's subscriptions. More than 6,000 users downloaded the application after its introduction, accessing nearly 30,000 pages through the new interface. Additionally, AGU launched a revolutionary media portal that provides a central point to read all AGU content within the Wiley Online Library. This gives users markedly improved functionality, enhanced search options, and the ability to browse by journal, book, or subject.

AGU launched its second open access journal, *Earth's Future*.



AN OPEN ACCESS JOURNAL COVERING TIMELY & INFLUENTIAL SCIENCE

The journal focuses on transdisciplinary research exploring global change and sustainability. "The range of papers in *Earth's Future* is remarkable. We cover issues from global flood analysis to climate change to natural hazards, but we add a societal perspective that resonates with a general audience," said *Earth's Future* editor-in-chief Ben van der Pluijm. "The fact that we are open access adds value. Everything we do is immediately available to anyone. The enormous global reach we've already seen testifies to the value of this journal's content and open access." The journal attracted a large, diverse, and enthusiastic audience. Readers downloaded the first seven papers published in December roughly 7,000 times.



BREAKING BOUNDARIES: SWIRLS

One of the most powerful ways to experience the AGU Fall Meeting is through its SWIRLS. In 2013, AGU organized six interdisciplinary tracks that allowed attendees to move outside the traditional boundaries of their fields to participate in deep dives on a range of global issues, such as dusts and aerosols, global soils, and urban systems.

FORGING PARTNERSHIPS: MEMORANDA OF UNDERSTANDING

Through the addition of new partnerships, AGU was able to expand its reach to new global communities in the Earth and space sciences. For example, in working with the National Climate Assessment, AGU is now connected to NCAnet—a national network of climate experts using and producing National Climate Assessment information. With this relationship, AGU can help build on current uses of the National Climate Assessment to engage Congress, AGU members, and other interested parties on this vital work. In total, AGU signed more than 20 memoranda of understanding and demonstrated that one of its greatest strengths is its ability to connect the expansive community of scientists in rigorous conversations about pressing international issues.

PROMOTING INNOVATION: AGU MEETINGS

AGU meetings foster innovation by providing a unique platform for attendees to learn about new science and connect with individuals whom they otherwise wouldn't meet. With a total record attendance of almost 23,000, the 2013 AGU Fall Meeting in San Francisco brought together scientists, policymakers, educators, students, and industry representatives. True to AGU's interdisciplinary focus, the meeting's sessions covered the entire span of Earth and space sciences, from atmospheric sciences to seismology. Over five days, attendees were able to choose from more than 20,000 presentations submitted by luminaries in the Earth and space sciences and up-and-coming talent, participate in more than 25 career workshops, and have dozens of opportunities to network with peers.

Three union plenary lectures anchored the week:

Former U.S. Senator Olympia Snowe, R-Maine, who was a senior member of the Senate Commerce, Science, and Transportation Committee, spoke about what's gone wrong in Washington.

Columbia University professor James Hansen presented his latest thinking on minimizing the impact of human-made climate change.

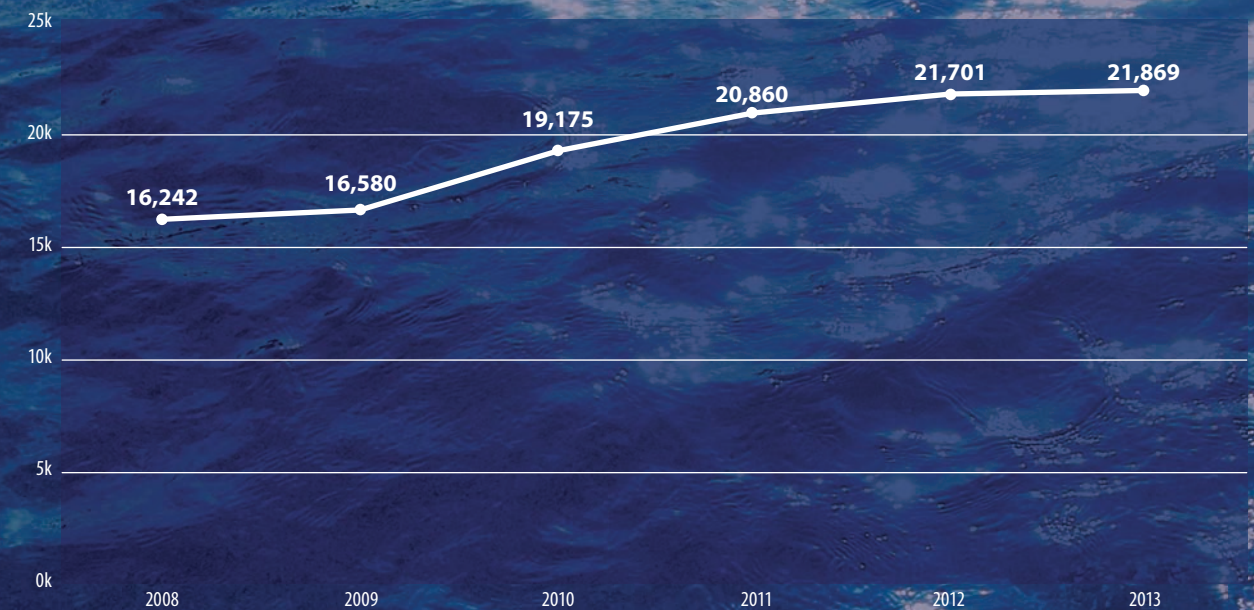
Sybil Seitzinger, executive director of the International Geosphere-Biosphere Programme and the Royal Swedish Academy of Sciences, explored the concept of a geophysical epoch with her presentation "Welcome to the Anthropocene."

All of the lectures were live-streamed and available as on-demand videos as part of the Fall Meeting Virtual Options Program.

The cutting-edge research presented at the AGU Fall Meeting reached far beyond the scientific community through significant media attention. More than 150 journalists filed 4,200 news stories, and AGU's social media presence swelled. Facebook followers surpassed the 20,000 mark. The meeting's Twitter hashtag—#AGU13—was used more than 24,000 times and touched more than 45 million Twitter accounts. Driving the coverage was captivating content: scientists revealed the coldest place on Earth (a high ridge in Antarctica), unveiled new clues about possible life in the solar system (a lake bed on Mars), and earned other high-interest headlines.

The Fall Meeting included a number of revolutionary efforts to engage attendees and other interested parties, including FM Buzz, a social media aggregator that allowed everyone—whether or not they were able to attend—to find news, blogs, tweets, and other mentions generated from the Fall Meeting.

Similarly, AGU's Meeting of Americas (MOA) in Cancun, Mexico, brought together more than 1,000 Earth and space scientists from across the Americas to share their research. Fourteen scientific societies collaborated on the meeting, which included a much-heralded planetarium exhibit called the "Discovery Dome" and featured presentations that attracted the general public and meeting participants, including "Cosmic Mysteries," "Destination: Moon," and "Amazing Astronomers from Antiquity."



AGU Fall Meeting attendance by the scientific community has increased over the past five years.

Science & Society



One of the important roles AGU plays is to ensure that science and its values are shared with the world. In 2013, AGU continued to find new ways to help scientists more effectively communicate their work with each other, decision makers, and the general public.

INCREASING AWARENESS: SCIENCE IN THE NEWS AND ONLINE

By increasing awareness about the Earth and space sciences, AGU empowers society to make informed decisions about the future. Through AGU's efforts, important research received extensive public attention. The scientific community, the media, and other general audiences increasingly turned to AGU for insight and information, as demonstrated by the dramatic uptick in AGU's social media presence in 2013. AGU gained 8,000 Facebook followers, an increase of 65 percent, and grew its Twitter presence by nearly 6,400, or 44 percent.

With its wealth of information on the Earth and space sciences, AGU is a valuable resource for reporters who cover these technical areas and, through these relationships, is informing society more broadly about the sciences. In 2013, AGU issued a record number of press releases with insights on climate change, natural disasters, and major events in space such as the Russian meteor, landing of the Curiosity rover, and Voyager—64 releases in total, up 25 percent from the previous year. The work of AGU and its members garnered numerous and noteworthy headlines in *The New York Times*, National Public Radio (NPR), *The Washington Post*, and other highly regarded news organizations. AGU's total media mentions jumped 18 percent to a stunning 21,011 in 2013.

Underscoring its collaborative spirit and expanding its reach, AGU routinely partners with other institutions on joint press releases. More than a third of the releases issued in 2013 were in conjunction with organizations including NASA, *Science*, and the International Global Atmospheric Chemistry Project.

AGU gained 8,000 Facebook followers, and grew its Twitter presence by nearly 6,400 followers.



Reaching the public through science blogs



With more than one million views in 2013 alone, AGU's Blogosphere offers the public the opportunity to learn informally about important science affecting our planet. The network of a dozen blogs focuses on Earth and space science, giving a platform for scientists to discuss their work and share their personal experiences in a casual setting. Addressing additional important topics, AGU added two new blogs in 2013: *The Trembling Earth*, which examines earthquakes occurring around the globe, and *The Bridge*, which taps into the expertise of AGU's public affairs staff and guest bloggers to focus on science policy.

ENGAGING POLICYMAKERS: GIVING SCIENCE A VOICE IN POLICY DECISIONS

For decades, the inherent connection between science and a healthy economy, the environment, and personal well-being was understood, and scientists did not have to clamor to receive funding for basic and applied research. However, that understanding is fading, and scarce federal dollars are going to those who make the loudest case. In this competitive atmosphere, AGU is more committed than ever to connecting scientists to the appropriate policymakers who can catalyze change.

In 2013, AGU displayed the value of its members' work to Washington during the second annual AGU Science Policy Conference. Over the course of two days in June, AGU connected scientists with experts from the government, industry, academia, nonprofits, and the media who support scientific research. Together, these invested parties weighed ideas and science that could ultimately shape debate, regulations, and laws. AGU provided a forum to discuss the challenges and opportunities of science policy, with a keen focus on Earth and space science developments that can serve local, national, and international communities. More than 300 participants attended sessions such as "The Water-Energy Nexus," "Potential for Mega-Disasters," and "Sea Level Rise: Science Needed for Local Decisions." Thought leaders, including National Science Foundation Acting Director Cora Marrett and former Rep. Bart Gordon, D-Tenn., a partner at K&L Gates, shared their insights on how the scientific community can prepare for the future.

In addition to the annual conference, AGU worked to increase the awareness of the importance of Earth and space issues in government by individually connecting scientists with Congress members.

AGU sponsored **9** congressional briefings on topics including Arctic sea ice, space technology policy, ocean acidification, and floodplain mapping.

66 AGU members participated in 294 meetings during Congressional Visits Days—both record numbers.

50 Science Policy Alerts were sent in 2013. These alerts keep scientists and researchers up-to-date on policy that may affect their science.

AGU sent **50** letters to Congress members on science-related issues, such as support for conference travel, science funding, and climate research.

SHARING SCIENCE: CONNECTING SCIENTISTS & THE PUBLIC

As part of AGU's effort to promote widespread awareness of Earth and space science and its value, AGU's Sharing Science program provides scientists with the opportunities, tools, and support they need to effectively communicate their science to many audiences. The Sharing Science website (www.sharingscience.agu.org) offers toolkits, guides, and upcoming opportunities for scientists interested in sharing their research and its value with the media, the public, policymakers, and other interested parties. Members also can join AGU's Expert Outreach Network (AEON), which creates opportunities for experts to explain their work in the media and elsewhere and gives them hands-on communication coaching. AGU increased its AEON membership by almost a quarter in 2013 and has been growing its Sharing Science program to offer researchers and scientists more resources to build their communications skills and expand their reach beyond their traditional scientific communities.

In addition, AGU offered workshops at meetings and conferences throughout the year that helped more than 400 scientists who wanted to better explain their research and its impact. These sessions featured expert advice, small-group exercises, and other interactive activities. They consistently receive ratings of excellent from attendees: "It's great to have an interactive workshop at AGU. The small group activities were wonderful," said one Fall Meeting participant after a communicating climate science workshop.

LENDING A HAND: THRIVING EARTH EXCHANGE

In 2012, AGU launched the Thriving Earth Exchange—a unique opportunity for scientists to use their portfolio of skills to solve problems plaguing communities. True to its name, the program continued to thrive a year later.

In 2013, three pilot challenges were launched to benefit communities across the country. In the first, scientists developed high-resolution drought monitoring tools for water resource managers in southern Kentucky. In Minnesota, a team collaborated on a protocol used to monitor key water quality variables associated with the health of wild rice, fisheries, and water recreation for the White Earth Reservation. Finally, a team monitored water, air, and soil quality issues within a Denver neighborhood and shared its findings with community leaders.

EXPANDING VIRTUALLY: ONLINE OFFERINGS

In 2013, AGU found new ways to connect the Earth and space science community and the broader public to the high-quality research and information presented at AGU meetings. Conferences were recorded to allow interested audiences to tune in online and access live and recorded presentations. As part of the Virtual Options Program, presentations from the Chapman Conference on Communicating Climate Science held in June were live streamed, with one session presented remotely by a speaker in the United Kingdom. Live blogging and Q&A opportunities were also incorporated into the Chapman Conference sessions.

Following these successes, the Virtual Options technology was deployed at the 2013 AGU Fall Meeting, giving presenters a global reach that extended the meeting's life well past the five days in San Francisco. At more than 50 remote sites around the world, researchers watched plenary and oral sessions live and engaged in group discussions. ePosters enabled viewers around the world to view thousands of the posters presented at the Fall Meeting. Beyond the scientific content, the communications workshop, press conferences, and other professional development features also were shared online.

VIRTUAL OPTIONS CONTENT AVAILABLE IN 2013

500+ keynotes, named lectures, & oral presentations

Public lecture by Dr. Lucile Jones

AGU Honors Ceremony

22 press conferences

11 poster presentations from scientists who lectured remotely

USERS

3,475 users participated from 51 countries & all seven continents

50 registered sites played live content from the meeting

- **17** international sites were located in Brazil, Finland, Greece, South Africa, & Thailand
- Registered sites included U.S. government agencies, companies, museums, universities, community colleges, & high schools

71 percent of users did not attend Fall Meeting

48 percent were not AGU members



Talent Pool



AGU invests significant resources to promote career advancement and reach a diverse group of scientists with the goal of improving the global talent pool.

ADVANCING CAREERS: PROGRAMS & SERVICES

AGU expanded the reach of its Career Center, helping more scientists than ever build their career potential. AGU launched the Career Center eNewsletter, which reaches more than 14,500 students and early career subscribers, hosted more webinars on professional advancement than in previous years, and saw record attendance at its Fall Meeting career-building workshops. Nearly 700 people participated in the Fall Meeting workshops alone—more than ever before—demonstrating that attendees are interested in learning how to manage their careers and about research opportunities beyond academia.

RECOGNIZING ACHIEVEMENT: HONORS & AWARDS

AGU seeks opportunities to shine the spotlight on its members' achievements and appreciates that awards and honors advance careers. The organization's Honors and Recognition Committee continues to find opportunities to strengthen and promote diversity throughout the nomination and recognition processes.

During the AGU Fall Meeting, 83 AGU geophysicists were honored at the 2013 Honors Tribute for their passion for scientific excellence and outstanding achievements in advancing and communicating science to ensure a better future for humanity throughout the nomination and recognition processes.

ENGAGING YOUTH: STUDENT INVOLVEMENT

In 2013, AGU continued to find new ways to engage students who are studying scientific disciplines and worked to alleviate some of the costs associated with attending large conferences like the Fall Meeting. For example, a new student volunteer program was launched for the meeting, which allowed college and graduate students to work behind the scenes in exchange for free registration. AGU also held its second student T-shirt and video contests at Fall Meeting, allowing students to showcase their creativity. The contests inspired more than 800 people to cast votes on social media for their favorites. The winning students received complimentary meeting registration, and the winning T-shirt design was sold at the AGU Fall Meeting to support the Student Travel Grant Fund, which provides travel support for students who would not otherwise be able to attend the meeting.



Commending leaders in their fields

The first Space Weather and Nonlinear Waves and Processes Prize was awarded to Tamas I. Gombosi, a professor at Michigan University whose many and varied contributions include breakthroughs in planetary exploration, theoretical space plasma physics, kinetic theory and generalized transport equations, and global simulations of space plasmas. The prize was made possible thanks to the generous support of Bruce T. Tsurutani and Olga P. Verkhoglyadova of the California Institute of Technology's Jet Propulsion Laboratory. The award honors and supports AGU member scientists for their cutting-edge work in this highly specialized area of research.

Member contributions also facilitated the first Sulzman Award for Excellence in Education and Mentoring to acknowledge the importance of female mentors in enhancing gender balance in physical science career paths.

AGU encouraged student-inspired initiatives to create new scientific content at the meeting. In 2013, students launched the first Water Sciences Pop-Up Sessions—five, 5-minute oral presentations about the future of water sciences. Students touched on such topics as the use of images in capturing the public's attention, successful water conservation messaging, and effective ways to incorporate video in scientific presentations.

Students were recognized through AGU's Outstanding Student Paper Awards program, in which students are judged by peers on their ability to present their research clearly and effectively. The awards were such a success at the AGU Fall Meeting that the program was extended to the Meeting of the Americas. There, nearly 150 AGU volunteers judged 111 student presentations, allowing each participant to be assigned a judge for the first time and receive valuable feedback on their communication skills.



“My internship in AGU’s Public Affairs Office has been a lot of hard work, learning, and fun. It put me in contact with many organizations and people that I never knew existed, and it gave me an understanding of my career options in the science policy arena. I am even more proud to be a part of AGU (and I was already very proud to be a member).”

–FUSHCIA HOOVER

AGU hosts interns year-round in roles across the organization. Fushcia Hoover, a second-year Ph.D. ecological engineering student at Purdue University, focusing on urban storm water management and mitigation. She volunteered at the 2013 AGU Fall Meeting and parlayed that experience into an internship in AGU's Public Affairs Office.

FACILITATING MEMBER GROWTH: AGU FELLOWSHIPS

AGU sponsors congressional and mass media fellowships to give young scientists, engineers, and other professionals opportunities to explore new ways to apply their training and represent the scientific community on Capitol Hill and in the media.

Knowing the benefits of ensuring that Congress craft policy with sound scientific input, AGU has sponsored yearlong Congressional Science Fellowships for decades. In 2013, AGU selected Congressional Science Fellows Aaron Goldner and Daniel Pomeroy, who went on to work for Senators Sheldon Whitehouse of Rhode Island and Edward Markey of Massachusetts, respectively.

KQED

PUBLIC TELEVISION
PUBLIC RADIO
INTERACTIVE
EDUCATION



“As an AAAS- and AGU-sponsored Mass Media Fellow, you bring a level of expertise (to the newsroom) that is valued immediately. One of the best parts is that you get an opportunity to show the broader public the relevance of geoscience topics,” Osborne said. “I got a huge rush every time I said, ‘For KQED News, I’m Mike Osborne.’”

—PHOTO BY DIONE ROSSITER, AAAS

Since 1997, AGU has partnered with the American Association for the Advancement of Science (AAAS) to sponsor a Mass Media Fellowship. At least one university student is awarded a 10-week summer internship at a newspaper, magazine, website, or broadcast or cable news department.

AGU’s 2013 Mass Media Fellow, Mike Osborne, a paleoclimatologist, spent the summer working as a science reporter in the KQED (San Francisco) radio newsroom.

“As a formally trained climate scientist, I was able to utilize my knowledge to help Sen. Whitehouse’s office address important issues in climate change. AGU’s Congressional Fellowship provided me with the opportunity to better understand the inner workings of Congress. I also learned how to better communicate climate science information and better inform policymakers.”

—AARON GOLDNER



Organizational Excellence



AGU strives for transparency, sustainability, and inclusiveness for the purpose of building a strong base that can respond quickly and effectively to members and stakeholders.

ALWAYS INNOVATING: AGU.ORG REFRESH

AGU.org was revamped to improve the user experience and to help AGU better connect with a wider audience. The new site featured improvements in organization and access to information, ease of use, and overall aesthetics. The web team chose a backbone that is “adaptive and reactive,” meaning it adjusts for

desktops, smartphones, and tablets and therefore allows visitors to seamlessly use AGU’s resources while on the go. The new site adheres to AGU’s new branding guidelines, with nearly all of AGU’s programs debuting fresh landing pages.



The redesign included the much-needed single sign-on feature, which allowed members to use one username and password across AGU’s online network. Members praised the streamlined approach because it allowed them to have one identity to do everything from renew their membership to submit an abstract.

THINKING GREEN: SUSTAINABLE INITIATIVES

AGU made strides in its green strategies in 2013. The Fall Meeting was AGU’s largest gathering and still the year’s most sustainable convention. For example, roughly 60 percent of attendees opted out of a printed program book, and more than 80 percent of attendees said they liked this change. Instead, AGU encouraged attendees to view the program book electronically, through the mobile app and other online resources. With an eye toward diverting waste from landfills, AGU participated in an exhibitor carpet recycling program for the carpet padding used throughout the conference. AGU also reduced its carbon footprint by more than 80,000 pounds of atmospheric emissions: AGU partnered with Bay Area Rapid Transit (BART) to offer attendees discounts on train fare—a relationship so successful that BART named the Fall Meeting San Francisco’s most sustainable convention in 2013. This is the third time AGU has received the top honor since 2010.



“I love getting involved with AGU for many reasons. With this sort of position, I get to immerse myself in the scientific community and surround myself with others at the top of their careers. I’ve learned that people really care about science—beyond what they are publishing in research—and it is exciting to meet these people and work with them through AGU.”

—KELLY KLIMA

Kelly Klima is an early career research scientist in the Department of Engineering and Public Policy of Carnegie Mellon University with a focus on adaptation, climate, extreme weather, and risk communication. She has previously served as a student representative for AGU’s Natural Hazards Focus Group and as an Outstanding Student Presentation Awards coordinator. She currently sits on AGU’s Executive Council.

INVESTING IN AGU’S KEY ASSETS: MEMBERSHIP

AGU counted a record number of members in 2013, totalling nearly 63,000 members. Because of the high quality of the information and programming that AGU provides, the vast majority of members readily accepted the first dues increase in 43 years. In 2013, the membership totals exceeded estimates, and revenues compared to projections from the dues analysis models. More than 7,000 members selected the popular two-year membership option.

As part of the website’s redesign, the web team simplified the registration and renewals process in the membership portal.

GROWING FUTURE LEADERS: EARLY CAREER SCIENTISTS

AGU is committed to having the future in the room. The organization sought to include at least one student or early career scientist in the formation of all committees and task forces. For the first time, AGU’s leadership elected six student and early career scientists to serve on the AGU Council. Also notably, the council elected Christy Till, an early career scientist, to serve as the council’s vice chair, which makes her a member of the AGU Board. She is the first early career scientist to serve in these roles.

INCREASING DIVERSITY AND INCLUSIVENESS: AGU’S BOARD & COUNCIL

Because science is a global language, AGU has worked to increase diversity and inclusiveness in the Earth and space science industry and within AGU’s Board and Council. Starting in 2013, AGU began considering characteristics including career stage, nationality, and gender when assembling its volunteer groups. By marshaling talent from diverse and inclusive groups of members, AGU’s strategic structure now has a more balanced and clear perspective on the international needs of scientists.

AGU’s Council also responded to feedback from AGU members who wanted to make the election process more inclusive. At the urging of these members, the council struck down its previous rule that said members could only vote in three sections and focus groups per election. This change allowed AGU to better align the voting process with AGU’s membership philosophy and made the election process simpler and clearer for voters.

REACHING A GLOBAL NETWORK OF EARTH & SPACE SCIENTISTS

Although AGU is based in the United States, it provides value to scientists and organizations around the world by fostering collaboration and creating opportunities for them to connect, engage, exchange, and disseminate their science. With a focus on societal partnerships, AGU’s international efforts are led by AGU’s International Secretary, Dr. Susan Webb, and the Committee on International Participation. This committee is guided by a prioritized set of objectives that flow from AGU’s strategic plan, as well as AGU’s meetings and publications programs.

Financial Summary

AGU completed another fiscally successful year on 31 December 2013. Positive operational performance and investment performance combined to provide sufficient funding for AGU's continued improvements in products, services, and information offered to members and society.

Tate & Tryon conducted the 2013 audit and gave AGU an unqualified opinion, indicating that AGU's financial statements fairly represented the organization's financial position and were in accordance with generally accepted accounting principles. Assets and liabilities were in balance on 31 December 2013, at \$105.2 million, which equates to an increase of approximately 9.2% over 2012. AGU continued to implement new technology and improved business processes during the year, including the transition to a new publishing model. Overall operating income and expense activities resulted in a gain of \$2.3 million.

To fund strategic initiatives in support of the Union's mission and to protect against business disruptions, AGU held financial reserves of over \$85 million at year's end. While positive investment returns are never guaranteed, AGU's investment portfolio is continually monitored to ensure that appropriate levels of safeguards and risks are in place to take full advantage of the market, and to meet the long-term needs of the organization. The organization's 2013 financial reserves gained \$9.7 million.

Revenues from membership, publications, and meetings were used to support the AGU Mission of promoting discovery in Earth and space science for the benefit of humanity through programs focusing on Scientific Leadership and Collaboration, Science and Society, Talent Pool, and Organizational Excellence. Additionally, AGU staff is actively engaged in the development of new member, business, and societal opportunities that will support the mission, vision, and future needs of the organization.

AGU leadership and management remain mindful of the changing U.S. and World economies, and their impact on the Union and its members, and are prepared to modify the fiscal strategies of the organization in order to meet the ever changing needs of the membership.

Statements of Financial Position

DECEMBER 31,	2013	2012
ASSETS	\$	\$
Cash and cash equivalents	5,095,761	17,327,274
Investments	85,847,963	65,851,537
Debt Service Reserve Fund and other escrows	660,766	668,735
Receivables, net	3,628,306	2,096,260
Prepaid expenses	526,120	514,012
Inventory, net	-	82,500
Property and equipment, net	9,286,992	9,562,897
Debt issuance costs, net	167,046	184,315
Arts and precious stones	3,667	3,667
Total assets	<u>105,216,621</u>	<u>96,291,197</u>
LIABILITIES AND NET ASSETS		
Liabilities		
Accounts payable and accrued expenses	6,058,421	8,212,052
Deferred revenue	1,083,428	1,085,448
Postretirement health benefits	3,731,603	4,013,413
Security deposits	30,667	33,022
Interest rate collar	606,810	938,800
Notes payable	5,405,000	5,825,000
Total liabilities	<u>16,915,929</u>	<u>20,107,735</u>
Commitments and Contingencies		
Net assets		
Unrestricted		
Undesignated	43,445,024	38,770,486
Designated	34,478,909	27,978,203
Total unrestricted	<u>77,923,933</u>	<u>66,748,689</u>
Temporarily restricted	10,376,759	9,434,773
Total net assets	<u>88,300,692</u>	<u>76,183,462</u>
TOTAL LIABILITIES AND NET ASSETS	105,216,621	96,291,197

Statements of Activities

YEAR ENDED DECEMBER 31,	2013	2012
UNRESTRICTED ACTIVITIES		
Revenue and support	\$	\$
Publications, net of cost of goods sold	18,338,358	33,649,114
Meetings	9,649,570	9,135,738
Member dues	2,049,287	925,772
Grants and contracts	1,624,075	2,121,529
Rental Income	677,045	629,419
Contributions	154,402	260,433
Other	175,560	212,460
Royalty income	42,386	93,068
Net assets released from restrictions	443,509	282,021
Total unrestricted revenue and support	<u>33,154,192</u>	<u>47,309,554</u>
Expense		
Program services		
Meetings	7,917,871	6,875,365
Strategic communications and outreach	7,611,109	6,254,616
Publications	6,644,764	19,083,655
Science	1,990,546	1,162,034
Federal grant subawards	1,553,328	1,901,609
Membership	1,237,431	1,872,682
Total program services	<u>26,955,049</u>	<u>37,149,961</u>
Supporting services		
Building	1,873,063	1,549,378
Fundraising and development	1,350,519	1,162,034
General and administration	614,663	774,688
Total supporting services	<u>3,838,245</u>	<u>3,486,100</u>
Total expense	<u>30,793,294</u>	<u>40,636,061</u>
Change in unrestricted net assets from operations	<u>2,360,898</u>	<u>6,673,493</u>
Investment income	8,200,546	9,098,205
Net gain on interest rate collar	331,990	38,227
Postretirement health benefit credit (expense)	281,810	(578,612)
Change in unrestricted net assets	<u>11,175,244</u>	<u>15,231,313</u>
TEMPORARILY RESTRICTED ACTIVITIES		
Investment income	1,119,771	296,115
Contributions	265,724	294,843
Net assets released from restrictions	(443,509)	(282,021)
Change in temporarily restricted net assets	<u>941,986</u>	<u>308,937</u>
CHANGE IN NET ASSETS	<u>12,117,230</u>	<u>15,540,250</u>
Net assets, beginning of year	<u>76,183,462</u>	<u>60,643,212</u>
NET ASSETS, END OF YEAR	<u>88,300,692</u>	<u>76,183,462</u>

Recognizing Our Supporters

Each year the AGU Voluntary Contribution Campaign and other development efforts enable individual, corporate, and foundation donors to support the advancement of the Earth and space sciences and to help ensure that AGU can continue to make an impact well into the future. Gifts to AGU funds, sections, and focus groups allow us to continue to play a strong and prestigious role in the scientific community.

“I strongly support and appreciate AGU’s outreach and education efforts, which have increased in recent years. This has become especially important in climate science, owing to the politicization of the science.”

—KEVIN TRENBERTH, MEMBER SINCE 1997, RECIPIENT OF THE 2013 CLIMATE COMMUNICATIONS PRIZE

“A science leader is obligated to “give back” by serving for professional organizations. “Give back” means time and money... if you want to be a leader, you must contribute.”

—JAMES J. O'BRIEN, MEMBER SINCE 1963



How individuals supported AGU in 2013



IMPACTING AGU: AGU GENERAL FUNDS

| Over \$140,000 raised by donors in 2013

| Gifts to the AGU Unrestricted and General Endowment funds allow AGU to address the issues and causes most important to our community.

| The Unrestricted Fund supports AGU’s ongoing programming, which works to connect Earth and space science and real-life applications.



IMPACTING AGU: EDUCATION FUNDS

| Over \$120,000 raised by donors in 2013

| Donations to education funds, such as the Annual Student Travel Fund, allow AGU to take an active role in educating and nurturing the next generation of scientists.



IMPACTING AGU: SECTION & FOCUS GROUP FUNDS

| Over \$64,000 raised by donors in 2013

| AGU’s 23 sections and focus groups connect scientists in their research area, encouraging collaboration, inclusiveness, and engagement

| Section and focus groups receive all funding for their activities through the support of donors. These activities include presenting more than 30 awards and prizes annually, many of which come with a cash prize; planning section and focus group networking events at the Fall Meeting; sponsoring student travel grant recipients; and organizing additional programming that ensures our members have resources for their research and discoveries.



IMPACTING AGU: SPECIAL INITIATIVES

| Over \$7,000 raised by donors in 2013

| AGU members support a number of the Union’s special initiatives. Several of these initiatives fund opportunities for scientists to engage with members of the wider community, ranging from the press to policy makers.



IMPACTING THE FUTURE: THE ANNUAL STUDENT TRAVEL FUND

In 2013, more than 200 AGU student members attended the AGU Fall Meeting for the first time because of support to the Annual Student Travel Fund. When registering for Fall Meeting, 1,834 attendees took the opportunity to contribute to this fund, which provides financial assistance to U.S. and international students who have limited financial support from their institutions. Giving students the chance to present their research for the first time and to collaborate with others from across the world shapes careers and ensures success in the field of science.

“As a young scientist, going to conferences like these helped me to grow as a scientist. It serves as a great window into the world of career scientists.”

—ALLISON DANIELLE BRATCHER,
2013 STUDENT TRAVEL GRANT RECIPIENT

“The most valuable experience that I took away from the Fall Meeting was the opportunity to network with other students and scholars in my field. I received a lot of helpful input and advice about my research as well as opportunities for my future.”

—CHRISTINE WEHNER,
2013 STUDENT TRAVEL GRANT RECIPIENT

“The AGU Fall Meeting certainly broadens students’ eyes, and the travel grant makes you feel so welcomed in this grand academic event.”

—TZU-CHIEN CHIU,
1999 STUDENT TRAVEL GRANT RECIPIENT

IMPACTING THE COMMUNITY: THE SULZMAN AWARD FOR EXCELLENCE IN EDUCATION & MENTORING

AGU strives to ensure a strong community by enhancing the gender balance in physical science career paths. The Sulzman Award for Excellence in Education and Mentoring recognizes AGU members who have sustained an active research career in a field related to biogeosciences while excelling as teachers and serving as role models for the next generation of female scientists. Member generosity allowed the first Sulzman Award to be presented in 2013 to Heidi Steltzer, an assistant professor at Fort Lewis College.

“I hope I can make a difference toward improving our understanding of the natural world and innovating education, including the changes needed to enable men and women to pursue and remain in scientific careers.”

—HEIDI STELTZER, 2013 SULZMAN AWARD RECIPIENT

“Almost half of women receiving advanced degrees end up dropping out of science... so it made sense to shore up our profession where it needs the most help.”

—JENNIFER HARDEN, MEMBER SINCE 1993

“I’ve contributed to AGU because I want to provide support to young students and expand my Section’s activities.”

—SASWATA HIER-MAJUMDER, MEMBER SINCE 2000



2013 Donors

AGU gratefully acknowledges the 6,214 gifts, grants, and pledges from members and friends during 2013. The 1919 Society (\$100,000 or more) and Benefactors (\$5,000–\$99,999) levels recognize single major gifts and cumulative contributions. Three circles acknowledge annual giving: the President’s Circle (\$1,000 or more), Leadership Circle (\$200–\$999), and Supporters Circle (\$120–\$199). Those loyal members who support AGU with a one-time gift of \$1,200 or more along with their commitment of lifetime membership are counted among our Supporting Life Members. The Sustainers’ Circle recognizes donors who have supported AGU with a donation in each of the last 10 years.

1919 SOCIETY

The 1919 Society recognizes extraordinary support of \$100,000 or more.

James A. Austin
Santimay Basu **
Sunanda Basu
Carlos A. Dengo
ExxonMobil Exploration
Robert E Horton**
Nature’s Own
Robert E. Riecker **
Edgar J. Saltsman **
Bruce Tsurutani
Olga P. Verkhoglyadova
Pinar Oya Yilmaz
Roy Young

BENEFACTORS

Benefactor levels recognize annual or one-time gifts of \$5,000 or more.

\$25,000–\$99,999

Stephen J. Burges
Sylvia E. Burges
Chevron
Robert Cowen
Steve J. Drussell**
Ronald W. Girdler**
William C. Graustein
Pembroke J. Hart**
Francis A. Kohout**
Lockheed Martin Corporation
David E. Lumley
NASA
Swiss Reinsurance Company

\$10,000–\$24,999

Clarence R. Allen
Adele Bader**
Henri Bader**
Ball Aerospace & Technologies Corporation
The Blue Foundation
James L. Burch
Andrew Castaldi
Leonard B. Corwin**
Ron Doel
Jeff Dozier
Joseph Dracup**
Earl George Droessler**
Elsevier
Janis Falkenberg
Ruth Falkenberg
William S. Falkenberg

Johnny L. Hall
Kristine Harper
Margaret Hellweg
IBM
Dave Jursik
Elizabeth F. Karplus
William M. Kaula
Gene Kaula-Slater
John A. Knauss
Robert L. Kovach
Arthur Lerner-Lam
Peter W. Lipman
Munich Re Group
Edith Namias**
Northrop Grumman Space Technology
James J. O’Brien
John A. Orcutt
Richard E. Orville
Peter Schlosser
Erick O. Schonsted**
Space Physics and Aeronomy Section
A. F. Spilhaus, Jr.
Springer
Yoshihide Takano
John W. Townsend
Susan Trumbore
Richard P. Turco
UNAVCO
University of Alaska Fairbanks
Charles A. Whitten**
Joseph D. Zund

\$5,000–\$9,999

2G Enterprises
L. Thomas Aldrich
American Association for the Advancement of Science
American Meteorological Society
American Society of Limnology and Oceanography
Vassilis Angelopoulos
Charles R. Bacon
Robert Barbera
J. Bernard Blake
William F. Brace
Dixon Matlock Butler
Katherine V. Cashman
James A. Coakley
Timothy A. Cohn
Community Foundation of South Puget Sound
DAAD - Research in Germany
Anton M. Dainty
Robert E. Dickinson
Decagon Services, Inc.
John A. Dracup

Ecologic Systems Corporation

James Freeman Gilbert
Samuel S. Goldich**
Thomas E. Graedel
Timothy L. Grove
Christopher G. A. Harrison
Paul C. Henshaw
Linda A. Hunt
Elizabeth A. E. Johnson
Robert M. Johnson Killeen
Jill L. Karsten
Timothy L. Killeen
Max A. Kohler
Helmut Landsberg**
Dennis P. Lettenmaier
Ronald G. Mason**
David J. McComas
Michael J. McPhaden
John W. Meriwether
Betsy J. Miller

MITRE Corporation

Mark Moldwin
John O. Nolton
Ned Ostenso**
Paolo Rezzonico
Alan Robock
James T. Ryder
John C. Schaake
Michael Schulz

The Scientific Committee on Antarctic Research Scripps Institution of Oceanography

Colin J. Seftor
Waldo E. Smith**
Soil Science Society of America
Harlan Spence
Raymond C. Staley
David J. Stevenson
David W. Strangway
Lisa Tauxe
George A. Thompson
David J. Thomson
University Corporation for Atmospheric Research (UCAR)
Robert S. Weinbeck
Pat Wilde
Masashi Yasui

PRESIDENT’S CIRCLE

President’s Circle recognizes donors who make annual gifts of \$1,000 and up in support of AGU.

Clarence R. Allen
Charles R. Bacon
Robert D. Ballard
J. Bernard Blake
James L. Burch

Stephen J. Burges
Eric A. Davidson
Timothy L. Grove
Christopher G. A. Harrison
Hazeln and Harrold McComas Charitable Trust
Margaret Hellweg
The Lipman Family Foundation
Christopher Lynnes
Jeff Masters
John W. Meriwether
Mark Moldwin
James J. O’Brien
John A. Orcutt
Richard E. Orville
Sydnor Barksdale Penick
William S. Reeburgh
Geoffrey D. Reeves
Martin Schneebeli
Colin J. Seftor
Stephen Self
Yoshihide Takano
Lisa Tauxe
David J. Thomson
Susan Trumbore
Richard P. Turco
Kenneth E. Washington
Pat Wilde

LEADERSHIP CIRCLE

Leadership Circle donors who make annual gifts of \$200 to \$999 in support of AGU.

\$500–\$999

Thomas P. Ackerman
David K. Arctur
Susan K. Avery
Roger C. Bales
Edgar A. Bering
John W. Bieber
Rafael L. Bras
William H. Calvin
Mary Anne Carroll
Katharine V. Cashman
Dale N. Chayes
Millard F. Coffin
Martha H. Conklin
Erika F. Dade
Karen Dean-Smith
Paul Dirmeyer
Jeff Dozier
Laurie SchuurDuncan
John W. Farrington
Rana A. Fine
Jennifer Ann Francis
Stephen Fuselier
Jeffrey S. Gee
James Freeman Gilbert
Raymond Goldstein
Thomas E. Graedel
Robert T. Gregory
Robert M. Hazen
Richard P. Hooper
George M. Hornberger
Linda A. Hunt
Deborah R. Hutchinson
Elizabeth A. E. Johnson
Robert M. Johnson Killeen
Jill L. Karsten

Timothy L. Killeen
Jeffrey Lee
Dennis P. Lettenmaier
Kuo-Nan Liou
Parker MacCready
Heather Macdonald
Elaine Matthews
William F. McDonough
Michael J. McPhaden
Carolyn J. Merry**
James I. Metcalf
William K. Peterson
Richard H. Picard
Lisa L. Robbins
James A. Slavin
Soroosh Sorooshian
Harlan Spence
David J. Stevenson
Edward C. Stone
Adam Trombly
University of Maryland
Thomas A. Weaver
Billy M. Williams
Eric F. Wood
Donald J. Wuebbles
Chidong Zhang

\$200-\$499

Lucy H. Adams
M Joan Alexander
Michael F. Allen
Alliant Energy Foundation
Douglas E. Alsdorf
Don L. Anderson
Donald E. Anderson
Thomas F. Anderson
Spiro K. Antiochos
Pranoti M. Asher
Maha Ashour-Abdalla
Jean-Philippe Avouac
Kevin H. Baines
Eric J. Barron
Rodey Batiza
John C. ehrendt
Harvey E. Belkin
Karen G. Bemis
Bruce W. Binion
James K. B. Bishop
Richard J. Blakely
Michael J. Bodeau
Daniel W. Breed
Charles A. Brock
Edward V. Browell
William H. Brune
Scott Alan Budzien
James D. Burke
Peter R. Buseck
James H. Butler
John L. Callas
Norman Carlson
Catherine Chauvel
Chevron Corporation
James A. Coakley
Robert S. Coe
Margarita Konkright Gregg
Richard H. Cox
Nicolas Dauphas
Earl E. Davis

Steven M. Day
Carlos A. Dengo
Terry Deshler
Shanaka L. de Silva
Ted Dewan
Henry J. Dick
Russell R. Dickerson
Jacqueline Eaby Dixon
Ron Doel
Delia Donatelli
Claude E. Duchon
Adam M. Dziewonski
Robert H. Eather
Hajo Eicken
Annmarie Eldering
Larry W. Esposito
Robert L. Evans
Russell C. Everts
Clinton D. Fawcett
William C. Feldman
Lennard A. Fisk
Marilyn L. Fogel
Jeffrey M. Forbes
Donald W. Forsyth
Timothy J. G. Francis
Jeffrey Todd Freymueller
Gerard J. Fryer

Rong Fu
James R. Fuller
Inez Y. Fung
William B. Gail
Cynthia A. Gardner
John W. Geissman
Terrence M. Gerlach
Lawrence J. Giles
David J. Gochis
Jerry Goldstein
Larry L. Gordley
John T. Gosling
Donna Goss
Hans Christian Graber
Diana G. Graham
Watson W. Gregg
Edward S. Grew
Priscilla C. Grew
Nancy B. Grimm
Pavel Y. Groisman
Jennifer W. Harden
Matt Heavner
Martin Heimann
Lara Elizabeth Heister
Christopher Henry
Mark E. Hernick
Thomas Herring
Saswata Hier-Majumder
Larry D. Hothem
Russell Howard
Malcolm K. Hughes
Hiroshi Ichikawa
Devrie S. Intriligator
Eric Itsweire
Carl E. Jacobson
David R. Janecky
Torrence V. Johnson
Bruce R. Julian
Stephen W. Kahler
Hiroo Kanamori
Douglas L. Kane
Shun-ichiro Karato

**Deceased

Corporate contributors in boldface

Garry D. Karner
Miriam Kastner
Amy M. Keesee
Louise H. Kellogg
David W. Kicklighter
Margaret A. Knuth
Max A. Kohler
Vladimir G. Kossobokov
David H. Krantz
David Krasa
Frank Krause
Andreas K. Kronenberg
Vladimir N. Krupchatnikov
Yochanan Kushnir
Jerome Kutliroff
Claude L. Labine
Daniel Perry Lathrop
R. Michael Laurs
Meemong Lee
Robert C. Liebermann
Michael Warren Liemohn
Michael R. Lilly
Sarah A. Little
John N. Louie
Gang Lu
Myriam Lubino-Bissainte
Timothy M. Lutz
Douglas R. MacAyeal
Conall Mac Niocaill
Michael Manga
Stephen A. Mango
Craig E. Manning
Chris Marone
Guy Masters
Kooiti Masuda
Jonathan C. Matti
Larry A. Mayer
Carl E. McIlwain
Andrew McIntyre
Judith A. McKenzie
Jason S. McLachlan
Dean A. McManus
Donald R. McMullin
Robert L. McPherron
Andrew Meigs
Philip A. Meyers
Valerie L. Meyers
P. C. D. Milly
Herbert J. Mitchell
Ralph Moberly
Marcos J. Montes
Kurt R. Moore
David F. Morehouse
Paul Morgan
Stearns A. Morse
Walt Nadolny
Tsugunobu Nagai
James H. Natland
Michael C. Nolan
Anne Walden Nolin
Ann Lise Norman
Fred L. Ogden
Patricia L. Olson
Sorab M. Panday
Carol S. Paty
Larry J. Paxton
Louise Pellerin
Elise Pendall
Katerina E. Petronotis

Roger J. Phillips
John Pitlick
Lamont Rozelle Poole
Vaughan R. Pratt
Phillip L. Pritchett
Mohan K. Ramamurthy
Douglas W. Rankin
Robert E. Reinke
James R. Rice
Roberta L. Rice
Kim Richardson
Charles L. Rino
Richard D. Rosen
Roberta L. Rudnick
Malcolm J. Rutherford
Charles G. Sammis
Jeanne M. Sauber
William U. Savage
Jae-Kyung E. Schemm
Francis J. Schmidlin
Robert N. Schock
Timothy D. Schowalter
Michael Schulz
Robert Walter Schunk
William E. Seyfried
A. Surjalal Sharma
Peter M. Shearer
Nobumichi Shimizu
Alexander Shor
Carver Stephen Simmons
Ruth M. Skoug
Joseph R. Smyth
Elena B. Sparrow
Raymond C. Staley
Knut H. Stamnes
Wolfgang Sturhahn
Asahiko Taira
Michelle F. Thomsen
Akihiko Tomiya
Larry D. Travis
Compton J. Tucker
Terry E. Tullis
Allan J. Tylka
Albert J. Valocchi
David A. Vanko
Mark Vaughan
Raymond J. Walker
Richard J. Walker
Richard L. Walterscheid
Libe Washburn
Clark J. Weaver
Peter John Webster
Johannes Weertman
Robert A. Weller
Ray E. Wells
John D. West
Robert D. Westfall
Rodney W. Whitaker
Mark W. Williams
Stanley N. Williams
Michael James Wiltberger
Jeremy R. Winick
Teng-fong Wong
Douglas R. Worsnop
Yongkang Xue
Atsushi Yamamoto
William W.-G. Yeh
Richard W. Zurek
Arthur I. Zygielbaum

SUPPORTERS CIRCLE

Supporters Circle recognizes donors who make annual gifts of \$120 to \$199 in support of AGU.

Robert J. Alexander
James F. Allan
John S. Allen
Bjarne Sven Guestav Almqvist
Greg J. Anderson
Ralph J. Archuleta
Phillip A. Arkin
Raymond E. Arvidson
Lewis D. Ashwal
Marcelo Assumpcao
Roni Avissar
Eugene Avrett
Fran Bagenal
Daniel N. Baker
Mary C. Barth
Nathan C. Becker
Joseph A. Berry
Eric A. Betterton
William Allen Birkeemeier
Karine S. Blaufuss
Max P. Bleiweiss
Geoffrey Blewitt
Scott W. Bogue
Tanja Bosak
Gabriel J. Bowen
Kenneth Paul Bowman
Allen Bradley
Bryndis Brandsdottir
Joy M. Branlund
Stephen H. Brecht
Julie Brigham-Grette
Mary Jo Brodzik
J. Michael Brown
Rodger A. Brown
John F. Burkhart
Pamela C. Burnley
James J. Butler
Suzanne M. Carbotte
James E. T. Channell
David S. Chapman
Piers Chapman
Ji Chen
Margaret Chen
Yoshimitsu Chikamoto
Gail Lynn Christeson
Eric R. Christian
Jorie Clark
Peter U. Clark
William B. Clodius
Paula G. Coble
Max L. Coleman
William Collins
John F. Cooper
Vernon F. Cormier
Anthea J. Coster
Kenneth C. Creager
Richard Crook
Nancy U. Crooker
Richard H. Cuenca
Peter Curtis
Timothy W. Darling
Gene M. Davis
Eric Heinen De Carlo
Kristine L. DeLong

Ankur R. Desai
Lamont Di Biasi
Jean O. Dickey
Warren W. Dickinson
Michael S. Dinniman
Sarah J. Doherty
George A. Doschek
Qingyun Duan
Ruth Duerr
Robert A. Dunn
William B. Durham
James E. Dye
Cynthia J. Ebinger
Margo Edwards
Wilfred A. Elders
James W. Elkins
Linda T. Elkins-Tanton
Heather Alison Elliott
William L. Ellsworth
Steven R. Emmerson
Cheryl Enderlein
Sonia Esperanca
Cynthia A. Evans
Jack A. Evers
David W. Fahey
Susanna M. R. Falsaperla
Costanzo Federico
J. F. Fennell
Edward H. Field
Gerald J. Fishman
Christopher Kenneth Folland
Efi Foufoula-Georgiou
John Fournelle
David L. Freyberg
Jonathan S. Friedman
Theodore A. Fritz
Shing F. Fung
Dennis Lee Gallagher
Marvin A. Geller
Edward D. Ghent
Joe Giacalone
John A. Goff
Richard A. Goldberg
Melvyn L. Goldstein
Tamas I. Gombosi
Richard G. Gordon
Andrew J. Guswa
James T. Gutmann
Volker Haak
Maura E. Hagan
John K. Hall
Gilmore S. Hamill
Stanley R. Hart
Don Hassler
Stephen H. Hickman
Emma Hill
Mary C. Hill
Thomas W. Hill
Larry D. Hinzman
Greg Hirth
Michael P. Hoagland
Terri S. Hogue
W Steven Holbrook
Charles R. Holliday
John M. Holt
Robert H. Holzworth
Tissa H. Illangasekare
Ryoichi Imasu
Frank M. Ireton

Miaki Ishii
Emi Ito
Erik R. Ivins
David D. Jackson
Clifford A. Jacobs
Bor-Ming Jahn
Linda L. Jahnke
Raymond Jeanloz
Mark Jellinek
Robert E. Jensen
Catherine L. Johnson
Lyle H. Johnson
Paul A. Johnson
Joanna Joiner
Jack R. Jokipii
Thomas H. Jordan
Vania Jordanova
Michele Judd
Jasmeel Judge
Donna M. Jurdy
Akira Kasahara
Chihiro Kato
Hideaki Kawano
Jack A. Kaye
Timothy Keefer
Kerry L. Keen
Charles F. Keller
Kathryn A. Kelly
Harvey M. Kelsey
Douglas B. Kent
Siri-Jodha S. Khalsa
Krishan K. Khurana
Stephen H. Kirby
Joseph L. Kirschvink
Margaret Kivelson
Jonas Kley
David M. Klumpar
John S. Knapp
Kenneth P. Kodama
David L. Kohlstedt
Yevgeniy A. Kontar
Jozsef Kota
Jonathan Krall
Stamatios M. Krimigis
Praveen Kumar
William S. Kurth
Michael J. Kurylo
Andrew A. Laci
Gary S. E. Lagerloef
Venkataraman Lakshmi
Brian K. Lamb
Peter B. Larson
William K.-M. Lau
Erin H. Lay
Paul W. Layer
Guan Le
Tamara S. Ledley
Martin A. Lee
Harold Leinbach
John D. Lenters
Paulett Creyke Liewer
Mark Linton
Charles Luce
Robert L. Lysak
Chopo Ma
Yaoming Ma
J. Douglas Macdougall
David Scott Mackay
Jon J. Major

Murli H. Manghnani
Anthony J. Mannucci
Brian Marshall
Glenn M. Mason
Dennis Matson
Glen S. Mattioli
Barry Mauk
Emilio Mayorga
Suzanne A. McEnroe
Christine McEntee
Bruce J. McGurk
Charles M. Meertens
Robert R. Meier
Thomas Meixner
Stephen B. Mende
Richard A. Mewaldt
Jean-Bernard H. Minster
Brian J. Mitchell
Elizabeth J. Mitchell
Karen Moe
Eberhard Moebius
David W. Mogk
Alice K. B. Monet
Thomas Earle Moore
George J. Moridis
Edward C. Mozley
Richard J. Murnane
Robert M. Nelson
Douglas S. Neuhauser
Fred C. Newman
Paul A. Newman
Tadao Nishiyama
Guust Nolet
Ana Nunes
Richard J. O'Connell
Eiji Ohtani
Eric P. Olds
Carolyn Olson
William S. Olson
Michael L. Oristaglio
Steven Neil Osterman
Bette L. Otto-Bliesner
Thomas H. Painter
Rajul E. Pandya
Konstantinos Papadopoulos
David D. Parrish
Michael J. Passow
Stanton J. Peale
Joyce Penner
Joseph D. Perez
Leonhard Pfister
Michael Piasecki
Louis F. Pitelka
Michael J. Prather
Terrence M. Quinn
Joachim Raeder
Richard L. Rairden
Dhananjay Ravat
Maureen E. Raymo
Carol A. Raymond
Scott C. Reeve
Mary R. Reid
Edward J. Rhodes
J. Michael Rhodes
Eliza Richardson
Randall M. Richardson
William Ian Ridley
D. Aaron Roberts
James M. Roberts

Robert M. Robinson
 John D. Rummel
 John B. Rundle
 Margaret E. Rusmore
 Selwyn I. Sacks
 William W. Sager
 Richard D. Sakal
 Haydee Salmun
 Vincent J. M. Salters
 John C. Schaake
 Christian Schoof
 Anthony E. Schreiner
 Gerald Schubert
 Stephen E. Schwartz
 Kanako Seki
 Brendan Shane
 Margaret A. Shea
 Frederik J. Simons
 Howard J. Singer
 L. Siscoe
 Joseph W. Skiles
 Olav Slaymaker
 Stewart W. Smith
 Sean C. Solomon
 Paul Song
 Wim Spakman
 William A. Sprigg
 Robert F. Stallard
 Hubert Staudigel
 Marina V. Stepanova
 Graeme L. Stephens
 Paul R. Stoddard
 David B. Stone
 Robert J. Strangeway
 Juan Carlos Sulca
 Roger E. Summons
 Eric T. Sundquist
 Karolina Szafranek
 Zoltan B. Szuts
 Benoit Taisne
 Masahiro Tanoue
 John Anthony Tarduno
 Victoria L. Thompson
 Kristy French Tiampo
 W. Kent Tobiska
 Margaret S. Torn
 Kevin E. Trenberth
 Scott W. Tyler
 Kevin Michael Ulmer
 Marc P. Valdez
 Cesar E. Valladares
 Ben Van der Pluijm
 John Emilio Vidale
 Ronald Leo Vogel
 Roland von Huene
 Rudolf von Steiger
 Ian D. Walsh
 James S. Wang
 Warren M. Washington
 E. Bruce Watson
 Wolfgang R. Wawersik
 Donald J. Weidner
 Daniel R. Weimer
 William M. White
 Owen W. Williams
 R. John Wilson
 Terry J. Wilson
 Warren J. Wiscombe
 Lorraine W. Wolf

John H. Woodhouse
 Thomas N. Woods
 Phoebe A. Woodworth-Jefcoats
 Edward J. Zipser
 Maria T. Zuber

SUPPORTING LIFE MEMBERS

One-time gift of \$1,200 plus the payment of lifetime membership

L. Thomas Aldrich**
 Clarence R. Allen
 Roger R. Anderson
 Roger C. Bales
 Samuel J. Bame
 Santimay Basu**
 Sunanda Basu
 Hugo F. Bezdek
 J. Bernard Blake
 John D. Bossler
 William F. Brace
 Stephen J. Burges
 Dixon M. Butler
 Dale N. Chayes
 Bernard Chovitz
 Timothy A. Cohn
 Catherine Constable
 Steven Constable
 Patricia A. Cooper
 Robert Cowen
 Robert E. Dickinson
 William C. Graustein
 William R. Hackett
 David D. Jackson
 Vania Jordanova
 John A. Knauss
 Amy Trueba Knudson
 Robert L. Kovach
 Paul R. Krehbiel
 Arthur Lerner-Lam
 Peter W. Lipman
 David E. Lumley
 George F. Murray
 John O. Nolton
 James J. O'Brien
 Thomas Christopher Pagano
 David Craig Pearson
 Ronald G. Prinn
 Geoffrey D. Reeves
 Alan Robock
 Peter Schlosser
 Martin Schneebeli
 Michael Schulz
 A. F. Spilhaus Jr.
 Yugoro Takenoshita
 George A. Thompson
 David J. Thomson
 Thomas Torgersen
 John W. Townsend
 Susan Trumbore
 Bruce Tsurutani
 Richard P. Turco
 James R. Wallis
 Stephen G. Warren
 Robert S. Weinbeck
 Joseph D. Zund

SUSTAINERS' CIRCLE

The Sustainers' Circle recognizes the extraordinary support and loyalty of benefactors who have supported AGU with gifts in each of the previous 10 consecutive years.

Michael A. Alexander
 Clarence R. Allen
 John S. Allen
 Hiroshi Amakawa
 Peter W. Anderton
 Erwin Appel
 Walter J. Arabasz
 Charles R. Bacon
 Richard H. Ball
 Mary C. Barth
 Timothy Charles Benner
 Steven Lawrence Berg
 Stephen C. Bloom
 Gregory Elton Bodeker
 Scott W. Bogue
 Frances M. Boler
 Lawrence W. Braille
 Edward V. Browell
 Laurie L. Brown
 Michael Brown
 Christoph Bruehl
 Matthew J. Brunengo
 Scott Alan Budzien
 James L. Burch
 Stephen J. Burges
 Pamela C. Burnley
 Douglas A. Burns
 James J. Butler
 Gary R. Byerly
 Jane M. Caffrey
 Christopher P. Carlson
 Eric Paul Chael
 Kanchit Chaemsaithong
 James E. T. Channell
 Neil A. Chapman
 Clement G. Chase
 Richard L. Chase
 Ji Chen
 Yoji Chikamori
 Andrew B. Christensen
 Nikolas I. Christensen
 Robert S. Coe
 Stirling A. Colgate
 George James Collatz
 Vernon F. Cormier
 Anthea J. Coster
 Brian Cousins
 Kenneth C. Creager
 Nancy U. Crooker
 James H. Cullen
 Paul H. Daggett
 Timothy W. Darling
 Peter H. Daum
 Nicholas F. Davis
 Ralph K. Davis
 Paul S. De Carli
 Marcus Dengler
 Alexander J. Desbarats
 Terry Deshler
 Russell R. Dickerson
 Emma R. Dieter
 Michael S. Dinniman

Ron Doel
 Claude E. Duchon
 Ali Durgunoglu
 William B. Durham
 James E. Dye
 Robert H. Eather
 Hajo Eicken
 Wilfred A. Elders
 Barbara A. Emery
 James E. Evans
 Neville Exon
 Susanna M. R. Falsaperla
 John M. Faustini
 Clinton D. Fawcett
 William C. Feldman
 Frank Fell
 Jonathan H. Fink
 Lennard A. Fisk
 John Fournelle
 Jennifer Ann Francis
 Jeffrey Todd Freymueller
 Jonathan S. Friedman
 Shing F. Fung
 John W. Geissman
 Marvin A. Geller
 James Freeman Gilbert
 M. Charles Gilbert
 Thomas E. Graedel
 Diana G. Graham
 Marian E. Greenspan
 Watson W. Gregg
 Timothy L. Grove
 Richard A. Gustafson
 Dieter K. Gutknecht
 James T. Gutmann
 David S. Gutzler
 Volker Haak
 Stephen W. Hager
 Nobuo Hamada
 Hideo Hanada
 Earl G. Hansen
 Mohamed M. Hantush
 Kristine Harper
 Robert C. Harriss
 Fan He
 Hartmut Heinrich
 Margaret Hellweg
 Christopher Henry
 Robie W. Macdonald
 Saswata Hier-Majumder
 Eric J. Hints
 Katsumi Hirose
 Eugene J. Hoffman
 Albrecht W. Hofmann
 Charles P. Holmes
 Richard P. Hooper
 Larry D. Hothem
 Leigh S. House
 John R. Hummel
 Linda A. Hunt
 Stephen D. Hurst
 Hiroshi Ichikawa
 Ryoichi Imasu
 Devrie S. Intriligator
 Frank M. Ireton
 Kazuhiko Ishii
 Emi Ito
 Erik R. Ivins
 Charles H. Jackman

Clifford A. Jacobs
 Carl E. Jacobson
 Bor-Ming Jahn
 Norbert Jakowski
 David R. Janecky
 Mark Jellinek
 David M. Jenkins
 Mary L. Johnson
 Paul A. Johnson
 Torrence V. Johnson
 Ernest J. W. Jones
 Leah H. Joseph
 Ian R. Joughin
 Linda A. Joyce
 Donna M. Jurdy
 Chuichi Kakuta
 Jill L. Karsten
 G. Randy Keller
 Louise H. Kellogg
 Kathryn A. Kelly
 Harvey M. Kelsey
 Krishan K. Khurana
 Jens F. Klump
 Shuichi Kodaira
 Tetsuro Kondo
 Henk Kooi
 Shin Koshiya
 Jozsef Kota
 Paul B. Krummel
 Detlef Kurth
 William S. Kurth
 Edward Michael Kwicklis
 Daniel Lavallee
 R. N. Lazier
 Harvey I. Leifert
 Fred K. Lepple
 Maureen P. Leshendok
 Robert C. Liebermann
 Beth Z. Lincoln
 Hongyu Liu
 William Lowrie
 Gang Lu
 Ewald Lueschen
 Anne B. Lutz
 Christopher Lynnes
 Robert L. Lysak
 Douglas R. MacAyeal
 Heather Macdonald
 Robie W. Macdonald
 J. Douglas Macdougall
 Tim Maciejewski
 Conall Mac Niocaill
 Jaakko Makinen
 Michael Manga
 Anthony J. Mannucci
 David William Martin
 Gianni Matteucci
 Martin R. Maxey
 Robert Mayer
 Emilio Mayorga
 Judith A. McKenzie
 Dean A. McManus
 Robert R. Meier
 Thomas Meixner
 Richard A. Mewaldt
 Marti L. Miller
 James G. Mills
 Jean-Bernard H. Minster
 Helena Mitasova

Nobuyoshi Miyajima
 Peter Mock
 Mark Moldwin
 Paul Morgan
 Stearns A. Morse
 Bruce M. Moskowitz
 Ellen Mosley-Thompson
 Roman J. Motyka
 Edward C. Mozley
 Thomas J. Murphy
 Laurent Muschietti
 Tsugunobu Nagai
 Yosio Nakamura
 Louisa B. Nance
 Marcia Neugebauer
 David L. Newman
 Fred C. Newman
 Jean C. Newman
 Sally Newmann
 Yuji Nishi
 Hajime Nishigaki
 Richard C. Nolen-Hoeksema
 Peggy A. O'Day
 Eiji Ohtani
 Takamoto Okudaira
 John A. Orcutt
 Richard E. Orville
 Masahiro Osako
 Nikolai Ostgaard
 Shigeyoshi Ootosaka
 Thomas Mark Over
 Kristine L. Pankow
 Evans W. Paschal
 Stanton J. Peale
 Michael R. Perfit
 Katerina E. Petronotis
 Irina V. Petropavlovskikh
 Radomir Petrovich
 Roger J. Phillips
 Lamont Rozelle Poole
 Sergey P. Pozdniakov
 Philip L. Pritchett
 Joseph M. Prospero
 Thomas Ptak
 Hans J. Reichmann
 Roberta L. Rice
 Philip G. Richards
 Randall M. Richardson
 Randall Ricklefs
 Brian A. Ridley
 Kelvin S. Rodolfo
 Juan V. Rodriguez
 Ernst-Peter Roeth
 Richard D. Rosen
 Philip W. Rosenkranz
 Frank Roth
 Gary J. Rottman
 Scott Kaniela Rowland
 Roberta L. Rudnick
 Patrick J. C. Ryaal
 Gary E. Sanger
 John C. Schaake
 Elizabeth R. Schermer
 Peter Schlosser
 Francis J. Schmidlin
 Steven R. Schroeder
 Michael Schulz
 Gary R. Scott

Colin J. Seftor
 James R. Sharber
 Bunichiro Shibazaki
 Nobumichi Shimizu
 Hironao Shinjoe
 James T. Shiroma
 Gary Brian Sidder
 Meta E. Sienkiewicz
 Michael J. Singer
 John M. Sinton
 George L. Siscoe
 Norman H. Sleep
 Mark Andrew Smiley
 Paul Song
 Wim Spakman
 S. Spampinato
 Harlan Spence
 Robert F. Stallard
 Matthias Steiner
 Robert J. Stening
 Pamela L. Stephens
 Harry L. Stern
 David J. Stevenson
 Stephanie Ann Stockman
 David B. Stone
 L. R. Owen Storey
 Naoki Suda
 Alan Swenson
 Takao Tabei
 Akio Tada
 Yoshihide Takano
 Torao Tanaka
 Kenneth F. Tapping
 John Robert Taylor
 Michael J. Taylor
 David J. Thomson
 David S. K. Ting
 Robin T. Tokmakian
 Takeo Tomono
 Luigi Torelli
 Richard P. Turco
 James A. Tyburczy
 Allan J. Tylka
 Michael Underwood
 William L. Unger
 Juergen Untiedt
 Albert J. Valocchi
 Gerard Van Hoven
 David A. Vanko
 Stephen J. Vavrus
 Ronald Leo Vogel
 Friedhelm von Blanckenburg
 Peter J. Vrolijk
 Richard I. Walcott
 George O. Walker

Raymond J. Walker
 Richard J. Walker
 James R. Wang
 Yang Wang
 Kenneth E. Washington
 Gerald J. Wasserburg
 Joachim M. Wassermann
 Wolfgang R. Wawersik
 Stephen N. Webb
 Thompson Webb
 Robert Weber
 Kathleen Ann Welch
 Charles D. Wende
 Reinhard Werner
 Robert D. Westfall
 William M. White
 Patricia Wiberg
 Hugh E. Willoughby
 Michael James Wiltberger
 Richard Wirth
 Warren J. Wiscombe
 Steven F. Wojtal
 Connie A. Woodhouse
 Thomas N. Woods
 Yongkang Xue
 Satoshi Yagitani
 Makoto Yamano
 William W.-G. Yeh
 Jiye Zeng
 Chidong Zhang
 Paul J. Ziemann

TRIBUTE GIFTS

Tribute gifts celebrate and remember family and friends while supporting the future of the Earth and space sciences.

1950 MidPac Expedition
 Sidney Abrahams
 Santimay Basu
 Laura Behrendt
 Robert Black
 Owen P. Bricker
 Terri J. Brown
 Ews Burchard
 Madan Chakraborty
 Tao Chunhui
 Angioletta Coradini
 Miguel Francisco Cruz
 Gabriel T. Csanady
 Tony Dahlen
 Bruce H. Dahlin
 Jason Daida
 Edmond M. Dewan
 Guanghui Ding

James and Daisybelle Elkins
 Joseph Farman
 Elliot Finn
 Giovanna Gusmeroli
 Christopher Harig
 Oliver John Hayes
 Paul C. Hess
 Richard E. Honrath Jr.
 Gregory Lepoukh
 R. P. Lin
 Ray K. Linsley
 Julius London
 Franklin A. Long
 Yorman Kaufman
 Gordon N. Keating
 Volodya Keilis-Borok
 Don Kelly
 Giwon Koh
 Frank MacDonald
 Odete F. Machado da Silveira
 John J. Mahoney
 Harrold J. McComas
 Karen Meyer
 Scott Miller
 Natalie Mladenov
 David Muenow
 Isolde Muttiah
 Akira Okubo
 Niel D. Opdyke
 Oregon State University Soil Scientists
 Owen M. Phillips
 George C. Reid
 Abby Sallenger
 Davis Sentman
 Oliver A. Schaeffer
 Stephen H. Schneider
 Isreal C. Schwartz
 Paul G. Silver
 Steven Solomon
 Richard E. Stoiber
 Elizabeth Sulzman
 Syrian Students
 John Endre Szatai
 Randy Richardson
 Blair and Jean Robinette
 James B. Thompson Jr.
 Fukushima Tsunami
 Norbert Untersteiner
 Paul A. Witherspoon
 Gordon Wallace
 Sam Walton
 David Wones
 KC Yeh
 Kenneth L. Zonge
 Genevieve Zavanelli
 Joanna Zielinska-Park



The annual Student Breakfast is a time-honored tradition at the AGU Fall Meeting. This program encourages and allows students to take the opportunity to create their own scientific networks with other student scientists. The Fall Meeting attracts nearly 24,000 attendees and is more often than not an overwhelming and intimidating experience for students attending for the first time.

The connections made during the breakfast help students identify with one another and help one another navigate the Fall Meeting.

AGU is committed to helping Earth and space science students advance in their careers and to help build the global talent pool in Earth and space science. Fostering connections between students and scientific professionals is proven to help a student transition into an early career scientist.

The Student Breakfast provides a rare opportunity for students to interact with AGU leadership, often times allowing students the opportunity to talk and network with the scientific professionals who wrote their books and articles they have read or who have blazed the trail for research in a specific field of study. The networking at the reception is also a benefit to the AGU leadership because they get the opportunity to interact directly with future scientists, providing them guidance and insight, and they get valuable feedback and insight from young scientists.

ExxonMobil

ExxonMobil generously sponsors the Student Breakfast year after year and shares AGU's commitment to building the global talent pool in the Earth sciences. "Without education today, we cannot advance technological innovation to help meet our future energy needs."

"I first experienced AGU Fall Meeting as a grad student presenting my research. The first time at AGU is always intimidating because there are so many people and they need two buildings to fit all of the posters. I remember at first being overwhelmed."

"...networking is what got me a job in industry. Networking at conferences, networking with your advisor and tapping into your advisor's contacts—sometimes that is what leads to a job, which is what happened with me."

—ZACK LAWRENCE, ACQUISITION PROJECT
 TECHNICAL LEAD GEOPHYSICAL OPERATIONS
 AT EXXONMOBIL

2013 Sponsors

AGU is an international organization representing more than 62,000 Earth and space scientists in more than 140 countries.

The research conducted by our members encompasses everything from the exploration of natural hazards, disasters, and natural resources to the exploration of the planets, to studies of the structure and chemical composition of the Earth's deep interior and oceans, to understanding the Earth's atmosphere and the causes of climate change. These topics are not only scientifically exciting but also highly relevant to society, industry, and public policy.

AGU works with sponsors to help generate funds to support the varied AGU programs that support our different strategic objectives.

AGU WOULD LIKE TO THANK THE FOLLOWING SPONSORS FOR THEIR SUPPORT AND SPONSORSHIP OF VARIOUS AGU PROGRAMS IN 2013:

2G Enterprises

AIR Worldwide

Almax easyLab

American Astronomical Society, Division for Planetary Sciences

American Chemical Society

American Journal Experts

Arctic Institute of North America

ARCUS

Ball Aerospace & Technologies Corp.

Boeing



Cambridge University Press

Center for Planetary Science and Exploration, Western University

Chevron

CliC

Deltech Inc.

Depths of the Earth



The work of the private sector often intersects with our science, and we recognize that because of that intersection, fostering a more collaborative and mutually supportive relationship with the private sector is critical to our ability to be successful.

ExxonMobil

GEM Advanced Magnetometers

Geochemical Society

Geometrics, Inc.

International Arctic Science Committee (IASC)

Johns Hopkins University Applied Physics Laboratory

Kipp & Zonen

LOCKHEED MARTIN

Michigan Technological University, Department of Geological and Mining Engineering & Sciences

Mineralogical Society of America

Munich RE

Nature Climate Change

Orbital Sciences Corporation

Pacific Northwest National Laboratory



Schlumberger

Scientific Committee on Antarctic Research, the Martha T. Muse Prize

Scripps Institution of Oceanography

Sensors & Software



Swiss Re



IRIS Consortium

UNAVCO

University of Alaska, Fairbanks

University of Hawaii, Department of Geology & Geophysics

University of Oklahoma, College of Atmospheric & Geographic Sciences

University of Pennsylvania, Master of Science in Applied Geosciences

University of Texas at Austin - Jackson School of Geosciences

University of Vermont, Department of Geography

Vision Research, Inc.

Volunteers

BOARD OF DIRECTORS/EXECUTIVE COMMITTEE

Carol Finn, president*
Margaret Leinen, president-elect*
Michael McPhaden, past president*
Lisa Tauxe, general secretary*
Susan Webb, international secretary*
Christine McEntee, executive director/CEO*
John Bates
Rafael Bras
Mary Anne Carroll
Catherine Constable
Rana Fine
Susan Joy Hassol
Seth Kahan
Christy Till
Mary Voytek
Kenneth E. Washington

COUNCIL/CLT

William Anderson
Robin Elizabeth Bell*
Gregory Beroza
Geoffrey Blewitt
Catherine Chauvel
Timothy Cohn
Ashton Robinson Cook
Eric Davidson
James Davis
Frederick Day-Lewis
Andrea Donnellan
Timothy H. Dixon
Joseph Dwyer
Linda T. Elkins-Tanton
Carol Finn
Karen M. Fischer
Marilyn Fogel
Efi Foufoula-Georgiou*
Rong Fu
Richard Gordon*
Melanie Harrison
Robert van der Hilst
Greg Hirth
William Hooke
Alan Howard
Malcolm K. Hughes
Andrew Jackson
Kelly Klima
James Klimchuk*
Upmanu Lal
William Lau
Kerstin Lehnert
Margaret Leinen*
Cathryn A. Manduca
Catherine A. McCammon
Christine McEntee*
Judith McKenzie
William B. McKinnon
Richard J. Murnane*
James Murray
Thomas H. Painter

Mark Panning
Jonathan Patz
Michael Piasecki
James Pizzuto
Allen Pope*
Jenny Riker
Daniel Schertzer
Xuan-Min Shao
David G. Sibeck
Philip Skemer
Sabine Stanley
Peter Swart
Lynne D. Talley
Christy Till*
Georgios Tsoflias
Heather C. Watson
Anthony Watts
Peter J. Webster
Maarten De Wit
Eric F. Wood

AUDIT COMMITTEE

Lisa Tauxe, chair
Elizabeth Johnson
Jacob Haqq-Misra
John Orcutt
Mary Voytek
R. Stephen Sparks

BYLAWS TASK FORCE

John Bates
Catherine Constable
Richard Gordon
Kelly Klima
George Tsoflias

CHAPMAN CONFERENCE COMMITTEE

Venkataraman Lakshmi, chair

ETHICS COMMITTEE

Tim Grove, chair

FALL MEETING PROGRAM COMMITTEE

Kathy Hibbard, chair
Natasha Andronova
Melody Avery
Don Baker
Barbara Bekins
Vickie Bennett
Nathan Bridges
Barbara Carrapa
Alin Carsteanu
Xavier Comas
Catherine Cooper
Claire Currie
Kelsey Druken
Noah Finnegan
Steven Fletcher
Brian Gunter
Julia Hammer
Shin-Chan Han

Jörn Helbert
Jennifer Hertzberg
Deborah Hutchinson
Dalia Bach Kirschbaum
Stefan Kollet
Yev Kontar
Kerstin Lehnert
Vedran Lekic
Steve Lloyd
Charles Luce
Stephen Macko
Beatrice Magnani
Figen Mekik
Sebastien Merkel
Robyn Millan
Karen Moe
Robin Muench
Athanasios Nenes
Ali Omar
Larry Paxton
Tad Pfeffer
Michael Piasecki
Michael Purucker
Adrian Rocha
Linda Rowan
Ian Richardson
Daniel Schertzer
Simon Schneider
Brian Schubert
Matthew Schmidt
Xuan-Min Shao
Stephanie Stockman
Victor Tsai
Scott Werts
Andrew Wilcox
Adam Winstral
Wenlu Zhu

FALL MEETING CHAIR SELECTION COMMITTEE

Jim Davis, chair
Catherine Constable
Brian Gunter
Melanie Harrison
Kathy Hibbard
Erika Marin-Spiotta
Louise Pellerin
Jenny Riker
Eric Wood

FELLOWS PROGRAM REVIEW TASK FORCE

Rana Fine, chair
Kelly Caylor
Nancy Crooker
Eric Davidson
Cynthia Ebinger
Achim Herrmann
Mary Anne Holmes
George Hornberger
Qingtian Lu
Anthony Lui
John Orcutt



“Since AGU committees necessarily represent the breadth of Earth and Space sciences, they always provide a stimulating environment for discussion and/or action.”

—CARLE PIETERS

Carle Pieters has served on AGU's Honors and Recognition (H&R) Committee for two terms and currently chairs the Union Fellows Selection Committee. During her tenure on the H&R Committee, significant work has been done to align the honors program to AGU's strategic plan, including the creation of three new Union honors. She is also involved in a task force reviewing AGU's Fellows Program. Dr. Pieters is a research professor in the Department of Earth, Environment, and Planetary Sciences at Brown University. Her general research efforts include planetary exploration and evolution of planetary surfaces with an emphasis on remote compositional analyses. With over 20 committees and task forces working annually on AGU's honors program, Dr. Pieters represents the many volunteers who provide oversight and expertise to ensure scientists are recognized for their accomplishments. AGU wishes to thank them all.



“As a volunteer member and early career scientist at AGU, one of the most rewarding efforts is helping to build a model of organizational excellence and diversity that attracts and retains the best scientists and students. In order to continue this effort, we will need the engagement of volunteers more than ever.”

—MELANIE HARRISON OKORO

Melanie Harrison Okoro is one of the inaugural early career scientists elected to the AGU Council. Melanie serves on the Biogeosciences Section Executive Committee and has lent her perspective to selection committees for AGU meetings and journals. She also represents AGU on the American Geosciences Institute (AGI) Member Society Council. Dr. Harrison Okoro is a water quality specialist and West Coast Region aquatic species coordinator at the National Oceanic and Atmospheric Administration (NOAA), focusing her research on understanding the impacts of pollutants on water quality and natural resources in human-dominated landscapes. AGU thanks Dr. Harrison Okoro and the many other student and early career members who give their time and energy to help lead the organization.

Carle Pieters, ex-officio
Carol Raymond
Rosalind Rickaby
Alan Robock
Dominique Weis
Donald Wuebbles

GOVERNANCE COMMITTEE

Michael McPhaden, chair
Benjamin Dewayne Branch
Julie Brigham-Grette
Mary Anne Carroll
Jaime Urrutia Fucugauchi
Harry Green
Abby Kavner

HISTORY OF GEOPHYSICS TASK FORCE

Kris Harper, chair
Deepthi Achuthavarier
Ed Cliver
Ron Doel
John Farrington
Jim Fleming
John Fournelle
Chris Harrison
Homer LeGrand
David Stern
Patrick Taylor
Urban Wrakburg

HONORS & RECOGNITION COMMITTEE

Judith McKenzie, chair
Achim Herrmann
Mary Anne Holmes
Mary Hudson
Prasanta Kalita
Samuel Mukasa
Carle Pieters
Angela Wagener

INVESTMENT COMMITTEE

Lisa Tauxe, chair
Carol Finn
Margaret Leinen
Christine McEntee
Michael McPhaden
Susan Webb

JOURNAL EDITORS

David Baratoux
Dennis Baldocchi
Joel Baker
Eric Desmond Barton
Thorsten Becker
Janne Blichert-Toft
Gunter Bloeschl
Guy Brasseur
Philippa Browning
Ximing Cai
Eric Calais
Paul Cannon

M. Bayani Cardenas
Christopher Charles
James Crawford
Alexander Densmore
Louis Derry
Noah Diffenbaugh
Andrew Dombard
Todd Ehlers
Fabio Florindo
Masaki Fujimoto
Steven Ghan
Ronald Griffin
Hoshin Gupta
Thomas Herbers
Bryn Hubbard
Tissa Illangasekare
Wolfgang Knorr
Praveen Kumar
Ulrike Langematz
Louis Lanzerotti
Benoit Lavraud
Cin-Ty Lee
Joshua Li
Zhanqing Li
Robert Lysak
D. Scott Mackay
Rezaul Mahmood
Anna Michalak
Mark Moldwin
Alberto Montanari
S. Bradley Moran
Andrew Newman
Robert Nowack
Leo Oey
Greg Okin
Onno Oncken
Heiko Pällike
Tom Parsons
William Peterson
Andrey Proshutinsky
Sara Pryor
David Randall
Harihar Rajaram
Andre Revil
Alan Robock
Eelco Rohling
Yinon Rudich
Graham Sander
John Selker
Howard Singer
Alejandro Souza
Meric Srokosz
Julienne Stroeve
Peter Strutton
Eric Sundquist
James Tyburczy
Geoffrey Tyndall
Michael Walter
Chunzai Wang
Mark Wieczorek
Paul Williams
Michael Wyssession
Chidong Zhang

MEETINGS COMMITTEE

James Davis, chair
Kathy Hibbard
David Kliman
Venkataraman Lakshmi
Qingtian Lu
Erika Marin-Spiotta
Louise Pellerin
Peter Swart
Susan C. Weiler
Amanda White

MEETING OF THE AMERICAS PROGRAM COMMITTEE

Jaime Urrutia Fucugauchi, co-chair
Peter Swart, co-chair
Marcelo Assumpcao
Xochitl Blanco-Cano
Gerardo Carrasco
Cristiano M. Chiessi
Ligia Perez Cruz
Efi Foufoula-Georgiou
Avto Gogichaishvili
Claudia Gogorza
Terri S. Hogue
Alik Ismail-Zadeh
Yevgeniy Kontar
Anna Michalak
Luis Eduardo Lenzano
Valerio Lucarini
José A. Marengo
Roland Martin
Blanca Mendoza
Teresa Nieves-Chinchilla
Abdel Sifeddine
Joann Stock
Ricardo Trindade
Rodrigo Vargas
Federico Graef Ziehl

POSITION STATEMENT TASK FORCE

Caitlin Augustin
Jeremy Caves
Jana Davis
James Evans
Rebecca French
Mark McCaffrey
Randall Richardson
Linda Rowan
Daniel Sinnett
Anastasia Yanchilina

POSITION STATEMENT PANELS (CLIMATE CHANGE, OCEAN RESEARCH)

Gerald North, chair climate change
Phillip Taylor, chair ocean research
Brian Baird
Lora Clarke
Amy Clement
Scott Doney
John Farrington

Bob Gagosian
Susan Joy Hassol
Bob Hirsch
Peter Huybers
Frank Muller Karger
Miriam Kastner
Margaret Leinen
Peter Lemke
Michael Oppenheimer
Roger Pielke Sr.
Susan Roberts
Ben Santer
Gavin Schmidt
Leonard A. Smith
Eric Sundquist
Pieter Tans
Martin Visbeck
Robert (Bob) Weller

PUBLICATIONS COMMITTEE

Robert van der Hilst, chair
Richard J. Blakely, vice-chair
Gail Clement
Jiwen Fan
Alex Frost
Judith Lean
Sara Mikaloff-Fletcher
Mark Moldwin
Michael Noga
John Selker
Anne Thompson

Editor in Chief Searches

David Alexander
Philippa Browning
Mihir Desai
Jean O. Dickey
Scott Doney
Joan Gomberg
Richard G. Gordon
Joost de Gouw
Ronald Griffin
Jennifer Harden
Monika Korte
Peter Liss
Rowena B. Lohman
Robyn Millan
Richard (Rick) Murnane
Nancy L. Ross
James Saiers
David G. Sibeck
Joann Stock
Lisa Tauxe
Tony Watts
Ning Zeng

PUBLISHING STRATEGY WORK GROUP

Richard Blakely

Eric Calais
Gail Clement
Mike Ellis
Carol Finn
Margaret Leinen
Mark Moldwin
Allen Pope
Howard Ratner

SCIENCE POLICY CONFERENCE TASK FORCE

Kristen Avery
Floyd DesChamps
Genevieve Fisher
Kelly Klima
Julian Reyes

THRIVING EARTH EXCHANGE ADVISORY BOARD

Laurie Leshin, chair
Anne Nolin, vice-chair
Lauren Alexander Augustine
Jessica Ball
John Bwarie
Emily Cobabe-Ammann
Carol Finn, ex-officio
Seth Kahan
Ryan Kelly
Michael Kleeman
Margaret Leinen, ex-officio
Christine McEntee, ex-officio
Kevin Noone
Allen Pope
Debra Stratton (resigned)
Kenneth E. Washington
Peter Webster

UNION HONORS PROGRAM COMMITTEES

Bowie Medal Committee
Susan Solomon, chair
Yun-Tai Chen
Cynthia J. Ebinger
Hope Jahren
Judith T. Karpen
Dennis P. Lettenmaier
Bucher Medal Committee
Mark D. Zoback, chair
Pamela C. Burnley
Heather M. Savage
Joann M. Stock
Stuart Ross Taylor

Climate Communication Prize Committee

Anne Walden Nolin, chair
Susan Joy Hassol
Sybil Seitzinger
Gavin A. Schmidt

Thomas F. Stocker
Roy Young

Cowen Award Committee

Susan Elizabeth Hough, chair
J. Kelly Beatty
Carolyn Gramling
Ligia L. Perez-Cruz
Jeff Taylor

Education Award Committee

Adelaide C. Johnson, chair
Joseph B. H. Baker
Kaïem Frink
Patricia Manley
Carlos A. Sierra
Martha Wawro

Ewing Medal Committee

Miriam Kastner, chair
Harry L. Bryden
Richard Hewston
David M. Karl
Cindy Lee
Kenneth Craig Macdonald
Joseph Pedlosky

Falkenberg Award

Mark A. Parsons, chair
Jay Gullede
Karen Moe
Stefano Nativi
Lesley A. Wyborn

Fleming Medal Committee

Bruce Tsurutani, chair
Julie Bowles
Michael D. Fuller
Monika C. Korte
Janet G. Luhmann
Michelle F. Thomsen

Flinn Award Committee

Robert B. Gagosian, chair
Robert C. Liebermann
Linda C. Gundersen
Professor Hitoshi Kawakatsu
Heather Michelle Nicholson Wright

Hess Medal Committee

David Walker, chair
Francoise I. Boudier
Michael Brown
Nicolas Dauphas
Vicki Hansen

Horton Medal Committee

Murugesu Sivapalan, chair
Ana Paula Barros



“Scientific publishing is essential to disseminate research findings, and peer review is essential to ensure a rigorous scrutiny of an ever increasing and exciting scientific production. Working in the professional, efficient and friendly environment of AGU Publications is an opportunity for personal and professional growth. I believe that reviewing and editing papers is a duty for any researcher.”

—ALBERTO MONTANARI

Alberto Montanari was named editor in chief of Water Resources Research in 2013 and has already worked to raise the profile of the journal. As a professor of hydraulic works and hydrology at the University of Bologna in Italy, his current research interests include rainfall-runoff modeling, uncertainty analysis for hydrological models, and analysis and mitigation of human impact on water security and water-related hazards. Dr. Montanari, along with thousands of other editors, associate editors, and reviewers, offers his skills and experience to help make AGU publishing known for excellence. AGU thanks Dr. Montanari and all volunteers in publishing for their dedication and commitment.

Keith Beven
Kelly K. Caylor
Qingyun Duan
Wendy D. Graham
Elliot D. Grunewald
Kamini Singha

International Award Committee

Tereza Cavazos, chair
Noel R. Aloysius
Natalia Gomez Perez
Fumihiko Imamura
Alik Ismail-Zadeh
LaToya Myles
Zuyin Pu
Richard J. O’Connell, chair
Lars N. Hansen
Wendy R. Panero
Lianxing Wen
Kathryn A. Whaler

Macelwane Medal Committee

Amy Clement, chair
Elizabeth W. Boyer
Graziella Caprarelli
Silvia Lucia Garzoli
Shaul Hurwitz
David Khoza
James Tremper Randerson
Benjamin P. Weiss

Perlman Award Committee

Kim Fulton-Bennett, chair
Erika Engelhaupt
Bas den Hond
Mayra I. Oyola
Jeffrey B. Roth

Revelle Medal Committee

Susan Trumbore, chair
Guy P. Brasseur
Patrick M. Crill
Steven R. Emerson
William J. Shuttleworth

Science for Solutions Award Committee

Nancy Rabalais, chair
Jessica L. Ball
Peter Schlosser
Martin Visbeck

Smith Award Committee

P Patrick Leahy, chair
Michelle Hall
Tara LaForce
Jing Ming
Tammo S. Steenhuis

Spilhaus Award Committee

Mary K. Miller, chair
Elizabeth Cottrell
John R. Delaney
William C. Patzert
Elizabeth Romanau
Alexandra Wright

Sullivan Award Committee

Michael A. Mischna, chair
Kevin Krajick
Katy G. Human
Elisabeth S. Nadin
Alexandra Witze

Union Fellows Committee

Carle M. Pieters, chair
Janne Blichert-Toft
Tanja Bosak
James Frederick Drake
Henry Elderfield
John W. Geissman
Jan W. Hopmans
Dietmar Müller
W. Richard Peltier
Ana Christina Ravelo
Eric S. Saltzman
Kenji Satake
Sharon L. Smith

Whitten Medal Committee

Kristine M. Larson, chair
Anny A. Cazenave
Kathleen C. Compton
William C. Hammond
Carol A. Raymond
Shimon Wdowinski

SECTION/FOCUS GROUP OFFICERS

Richard M. Allen
William Anderson
Natasha G. Andronova
Melody A. Avery
Don R Baker
Robin ElizabethBell
Vickie C. Bennett
Gregory Beroza
Geoffrey Blewitt
Nathan Bridges
Alin-Andrei Carsteanu
Catherine Chauvel
Timothy Cohn
Eric A. Davidson
Frederick Day-Lewis
Timothy H. Dixon
Andrea Donnellan
Ruth Duerr
Joseph R. Dwyer
Linda T. Elkins-Tanton

Daniel Roy Faulkner
Noah J. Finnegan
Karen M. Fischer
Marilyn Fogel
Efi Foufoula-Georgiou
Rong Fu
Richard G. Gordon
Greg Hirth
Terri S. Hogue
William Hooke
Alan Howard
Malcolm K. Hughes
Deborah R. Hutchinson
Andrew Jackson
James Klimchuk
Upmanu Lall
Timothy J. Lang
William K-M. Lau
Kerstin Lehnert
Ning Lin

Catherine A. McCammon
William B. McKinnon
Allen K. McNamara
Robyn M. Millan
Stephen M. Moyses
Robin D. Muench
Margaret R. Mulholland
Richard J. Murnane
James W. Murray
Athanasios Nenes
Thomas H. Painter
Mark Panning
Larry J. Paxton
Adina Paytan
Michael Piasecki
James Pizzuto
Michael E. Purucker
Ian G. Richardson
Linda R. Rowan
Melody J. Sandells
Daniel Schertzer
Matthew W. Schmidt
Durelle Scott
Giovanni Sella
Xuan-Min Shao
David G. Sibeck
Philip Skemer
Sabine Stanley
Peter Swart
Lynne D. Talley
Andrea Tommasi
Georgios Tsofilias
Nadine Unger
Heather C. Watson
Anthony Watts
Peter J. Webster
Eric F. Wood



AMERICAN GEOPHYSICAL UNION (AGU)

2000 Florida Avenue N.W.
Washington, D. C. 20009-1277 USA
Phone: +1 202 462-6900

www.agu.org