



IS NOW



Honoring Our Past and Looking to Our Future

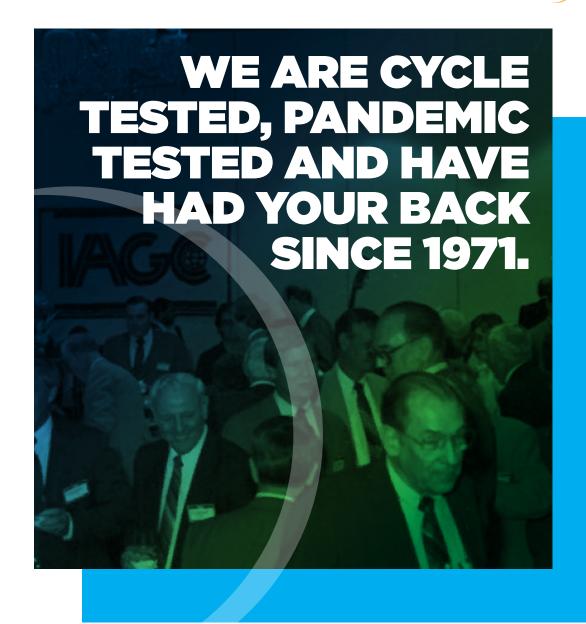
We are Cycle Tested, Pandemic Tested and Have Had Your Back Since 1971. In our 50th year, we have persevered through multiple downcycles, market evolutions, changes in regulatory policy and a global pandemic — and we have consistently supported and advocated for our members throughout.

For the past 50 years, the IAGC has stood as the strong advocate for our members around the world. The brainchild of a few trailblazing geophysical leaders, Linn F. Adams, James H. Frasher, James W. Mitchell, Scott Petty, Jr, and Charles L. Robinson, although competitors, decided to create the IAGC to advocate for and raise the visibility of the geophysical industry and its crucial role in enabling the discovery and delivery of the world's energy. 50 years later, we have stood the test of time and are not only thriving but excelling in their original mission.

Our 50th Anniversary and this pivotal time in our industry presented the perfect opportunity for us to look to the next 50 years and beyond and take inventory of the IAGC "brand" as we continue to be a strategic partner and powerful advocate for our membership. This next exciting chapter in the evolution of our organization and the energy geoscience industry has guided us to our new name and brand.

As of 18 January 2022, the IAGC is the EnerGeo Alliance!

By uniting the global voice of the industry, we can communicate to the world the irreplaceable role of the energy geoscience industry in the discovery, development and delivery of energy and the low-carbon solutions it demands.



50-Year Timeline:

Milestone Moments



1971

IAGC founded by Linn F. Adams, James H. Frasher, James W. Mitchell, Scott Petty, Jr and Charles L. Robinson



full-time president, **Chuck Darden**

IAGC brings on its first

1975



IAGC publishes its first Geophysical Contract Manual

1991 1980 **Criss Rennie White joins**

"With the arrival of the late 1960s, the geophysical contracting industry was facing a host of growing challenges that were making it extremely difficult, and sometimes impossible, to remain profitable. New or revised laws, regulations, and restrictive permit conditions were placing obstacles that even good management by individual contractors had trouble keeping up and complying with."



IAGC as Administrative

Assistant

"30 years ago, I accepted a position with a small trade association as a stepping-stone for my career. Back then, the IAGC provided products and services to assist our members' overall business operations. Today, the IAGC advocates and protects our members' freedom to conduct those operations. It has been an amazing ride, and I had no idea the steppingstone would be the rock of my career!"

> IAGC forms the Land and Marine Step Change initiatives

Step Change in safety:

Operations 1994

1997 IAGC MARINE GEOPHYSICAL SAFETY MANUAL ENVIRONMENTAL MANUAL FOR WORLDWIDE GEOPHYSICAL OPERATIONS CEOPHYSICAL SAFETY MANUAL



IAGC publishes the first **Environmental Guidelines** for Worldwide Geophysical

50-Year Timeline:

Milestone Moments



Nikki Martin becomes IAGC's first woman president

2004

IAGC introduces its Model Licensing Agreement that is still in use today



2016

Operators join as Industry

Partner members: Shell

becomes the first

Click to hear Shell's Bill Langin speak about operators joining as industry partner members

IAGC adopts Energy Starts Here

2018

2019

IAGC starts Seismic Efficiency Initiative

ENERGY STARTS HERE™



2015



Click to hear Magseis Fairfield's Shawn Rice speak about Nikki Martin as IAGC's first woman president





Click to hear ExxonMobil's Tolu Ewherido speak about IAGC's Seismic Efficiency Initiative



2022



We are honored to take a look back at our legacy and forward to the future and share with you what's in view for 2022.



Click to Watch the EnerGeo Alliance Rebrand Animation











MAKING AN IMPACT HIRE

GOM-PROP and Netuno Environmental Database Programs Advancing and enhancing proactive industry compliance

2021 ANNUAL REPORT



MAKING AN IMPACT HERE

EIA Guidance Handbook Education

Fostering implementation amongst key priority governments globally



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New Name and Brand

Evolving with our members paving the path in the energy evolution as a valuable partner



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Chairman's Message

Throughout the IAGC's rich 50-year history, we have always been agile, and the organization has rapidly adapted to change. For the last two years, in particular, the IAGC has been a cornerstone for us, as members, to support our successful navigation of the global pandemic and the uncertainties, opportunities and challenges of the energy transition. There is no "manual" for leadership in crises, and it has been said that you do not know what you are made of or what you can do until there is a crisis. Over the past years, this industry and our Association have been tested. Yet, even with its challenges, I can say I am most proud of how the IAGC and the industry have risen to the occasion, stood firm, and even thrived. The support from such a professional team in whom we have placed great trust has been invaluable.

During this time, the staff and Board of Directors took inventory of our global position. They assessed the association's evolution even as our members have evolved. We found that although the IAGC is currently an organization with an influential voice and powerful message, it is laden in many ways by our name. So, starting in 2022, the IAGC will be the **EnerGeo Alliance**. The IAGC stands as the energy geoscience industry's flagship organization, and now our name will reflect that. We are excited about the new opportunities that come along with a name and brand that tells the story and evolution of our alliance members and our work.

Our industry is now at a significant crossroads where the Alliance's representation and voice will be even more critical. Advocacy and education are the foundation of communicating the essential role of the geoscience industry in providing mainstay energy sources such as petroleum and natural gas while also providing the bedrock data needed to support and accelerate the energy evolution. To address society's evolving energy needs, the world will have to rely on hydrocarbons for decades, even as greater investments in alternative energies grow. It is important that industry members support the EnerGeo Alliance as they carry this message and raise the visibility on our industry's irreplaceable role in energizing the world.

As we navigate our way through the revolution, the one thing the world can count on is that the energy geoscience industry will be there safely and responsibly discovering, developing and delivering the energy the world needs to advance and prosper. And, as long as we are doing our jobs, we have a strong, vibrant and agile advocate working on our behalf around the globe.

No matter the energy source, our industry is part of the solution, and the EnerGeo Alliance is the association for the energy geoscience industry. Happy 50th birthday, IAGC. I look forward to our next exciting chapter together in 2022.

Kristian Johansen

CEO, TGS

EnerGeo Alliance Chairman



Click to hear from Kristian Johansen, 2021 EnerGeo Alliance Board Chairman and CEO – TGS



President's Message

The IAGC got its start 50 years ago when a few geophysical leaders and competitors in a growing market came together to advocate for the geophysical industry and raise the visibility of its crucial role in enabling the discovery and delivery of the world's energy. Fifty years later, we are just as dedicated to ensuring that the energy geoscience industry not only survives, but thrives, expands, and continues to evolve to meet the energy demands of a growing world.

Over the past decade, we have evolved with our membership, changing nearly everything about our organization:

- We expanded our focus from networking and standard development to effective and credible advocacy for the geophysical and exploration industries;
- Established our influence and effectiveness globally, especially in government affairs and our environmental and scientific subject matter expertise;
- Reframed our mission, vision, and expanded membership categories;
- Reorganized our global structure with revamped and strategy-led committees;
- Succinctly summarized the value proposition of our membership and our organization with our tagline: Energy Starts Here™; and
- Developed and implemented a Strategic Plan, articulating the work that is most critical to our industry, that continues to deliver results for our members.

Our 2021 Annual Report highlights our accomplishments and successes over the past year.

We are proud to be able to build on our rich history of 50 years and look towards a new chapter on the horizon as our association enters 2022. This past year, our 50th Anniversary and the pivotal time in our industry presented the perfect opportunity for us to take inventory of the IAGC "brand," focusing on the review and reconsideration of the Association's name and "recharge" our organization so we can continue to be a strategic partner and advocate for our membership.

The aim of our "recharge" is to cement the organization's central role in the future of the energy industry, reinforcing our #1 core value of ensuring our members' freedom to operate, and orient to the future with a brand that is enduring.

As of January 2022, the IAGC is now the **EnerGeo Alliance!** Our new name conveys the totality of who our industry is and our place in the world: the intersection of energy and geoscience, where energy begins. Whether it's mainstay sources of energy like petroleum and natural gas, alternative energies, or low carbon solutions like carbon capture and storage, it all starts here and is only possible with the energy geoscience industry.

Together, as the **EnerGeo Alliance**, we will tell a renewed story about the irreplaceable role of our members in the Energy Evolution. We will proudly boast that the energy geoscience industry is the gateway to discovering, developing, and delivering energy—and the low carbon solutions—that our growing world demands.

The **EnerGeo Alliance** is proud to have served our members for these 50 years and excited to be your advocate for the next 50 years. Energy Starts Here[™]. It always has, and it always will.

Nikki C. Martin
EnerGeo Alliance President





For geoscience companies and energy explorers, and the governments that regulate them, the EnerGeo Alliance is an international science-based trade association serving the global geoscience and energy industry with regulatory advocacy, credible resources and the leadership and influence to enable freedom to operate, and the acceleration of value creation for its members.

Founded in 1971, the EnerGeo Alliance is a global trade association for the energy geoscience industry, the intersection where earth science and energy meet. Providing solutions to revolutionize the energy evolution, the EnerGeo Alliance and its member companies span more than 50 countries, representing onshore and offshore survey operators and acquisition companies, energy data and processing providers, energy companies, equipment and software manufacturers, industry suppliers, service providers, and consultancies. Together, our member companies unify to open the gateway to the safe discovery, development, and delivery of mainstay sources of energy, alternative energy, and low-carbon energy solutions that meet our growing world's needs.

Through reliable science- and data-based regulatory advocacy, credible resources and expertise, and future-focused leadership, EnerGeo Alliance serves as the voice of the global energy geoscience industry. We are dedicated to providing access to relevant and timely topical events, seminars and news, as well as educational, scientific and regulatory tools and information to help enable the exploration and development of mainstay, alternative and low-carbon energy solutions.



EnerGeo Alliance Board of Directors Officers pictured from left to right: Tana Pool (Secretary/Legal Chair), Nikki Martin (President), Rebecca Pitman (Treasurer), and Kristian Johansen (Chairman). Not pictured, Carel Hooijkaas (Vice Chairman).

EnerGeo Alliance Board of Directors

Name	Company	Position
Kristian Johansen	TGS	Chairman
Carel Hooijkaas	Magseis Fairfield	Vice Chairman
Hao Huimin	BGP Inc, CNPC	Member
Dechun Lin	CGG	Member
Joe Dryer	Fairfield Geotechnologies	Member
Chris Usher	ION	Member
Rune Olav Pedersen	PGS	Member
Duncan Eley	PXGEO	Member
Mike Faust	SAExploration	Member
Ibrahim Moussa	Schlumberger	Member
Irene Waage Basili	Shearwater	Member
Rebecca Pitman	Shearwater	Treasurer
Tana Pool	TGS	Secretary/Legal Chair
Shawn Rice	Magseis Fairfield	Americas Chair
Tom Kipling	TGS	Asia-Pacific Chair
Vince Thielen	CGG	Data Licensing Chair
Peter Wijnen	PGS	EAME Chair
Graeham Mackenzie	CGG	HSSE Chair
Nikki Martin	EnerGeo Alliance	President

EnerGeo Alliance Committees

The EnerGeo Alliance provides a strategic and proactive global approach to regulatory and public engagement on behalf of the energy geoscience industry and manages its affairs through its standing global and regional committees (chaired by Governing Member Companies) that are in direct alignment with the Board of Directors and its priorities.



Click to hear from Dechun Lin.

2021 EnerGeo Alliance Board Member and Executive VP of Multi-Client and New Ventures - CGG

Global Committees

Global Data Licensing Committee

Provides input and guidance for EnerGeo Alliance recommendations and policy positions regarding data licensing issues impacting the multi-client seismic industry and informs EnerGeo Alliance's regulatory engagement and educational efforts with government, E&P industry and other stakeholders across the EnerGeo Alliance regions on these issues.

Global Legal Committee

Provides recommendations and oversight for association legal actions in response to final regulatory initiatives and other issues, as needed and provides broad input and advice on issues and projects with legal implications, including review and update of EnerGeo Alliance's anti-trust and competition policies.

Global HSSE Committee

Provides input and guidance for EnerGeo Alliance's positions and strategies regarding health, safety, security and environment issues (HSSE) impacting the energy geoscience industry, identifies and promotes the use of best practices, and establishes HSSE standards and guidelines for the EnerGeo Alliance.



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Regional Committees

Americas Committee

Provides input and direction regarding key priorities in region, supports the EnerGeo Alliance's monitoring and engagement of emerging issues within the Americas that may impact the industry's freedom to operate and creates and directs workgroups that address specific active issues in North and South American countries to ensure consistency on overarching goals and objectives of the EnerGeo Alliance.

Asia-Pacific Committee

Provides input and direction to the EnerGeo Allianceregarding key priorities in region, supports the EnerGeo Alliance's monitoring and engagement of emerging issues within the Asia-Pacific that may impact the industry's freedom to operate and creates and directs workgroups that address specific active issues in Asia-Pacific countries to ensure consistency on overarching goals and objectives of the EnerGeo Alliance.

EAME Committee

Provides input and direction to the EnerGeo Alliance regarding key priorities in the region, supports the EnerGeo Alliance's monitoring and engagement of emerging issues within the Europe, Africa, Middle East (EAME) region that may impact the industry's freedom to operate and creates and directs workgroups that address specific active issues in EAME countries to ensure consistency on overarching goals and objectives of the EnerGeo Alliance.

Workgroups

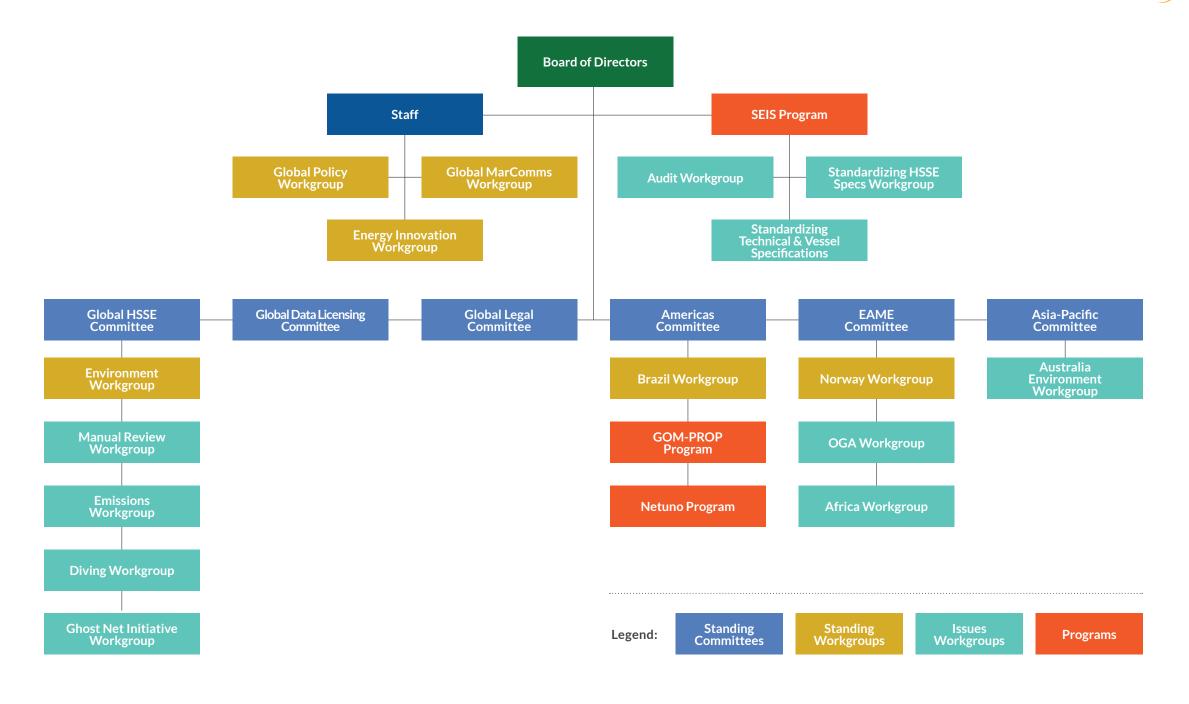
Standing Workgroups

EnerGeo Alliance's Standing Committees have Standing Workgroups to ensures timely engagement and response to issues.

Issues Workgroups

EnerGeo Alliance Workgroups convene to address specific geophysical and exploration industry issues to achieve a goal as outlined by the respective group and within the scope and mission of the EnerGeo Alliance.





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Governing Members























Industry Partners























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Contributing Members



































Associate Members















Professional Services



Stephens



EnerGeo Alliance Welcomes All Members That Joined in 2021!









Contributing Member

Professional Service

Contributing Member

Governing Member









Contributing Member

Professional Service

Professional Service

Contributing Member



A special recognition goes to **SAExploration** for upgrading its membership to **Governing Member!** We thank you for this great demonstration in your confidence in the EnerGeo Alliance.

2021 MPY Revenue by Membership Category:

GOVERNING \$1,553,730

SUPPORTING \$265,975

INDUSTRY PARTNERS \$605,000

PROGRAMS AND INTERESTS \$65,577

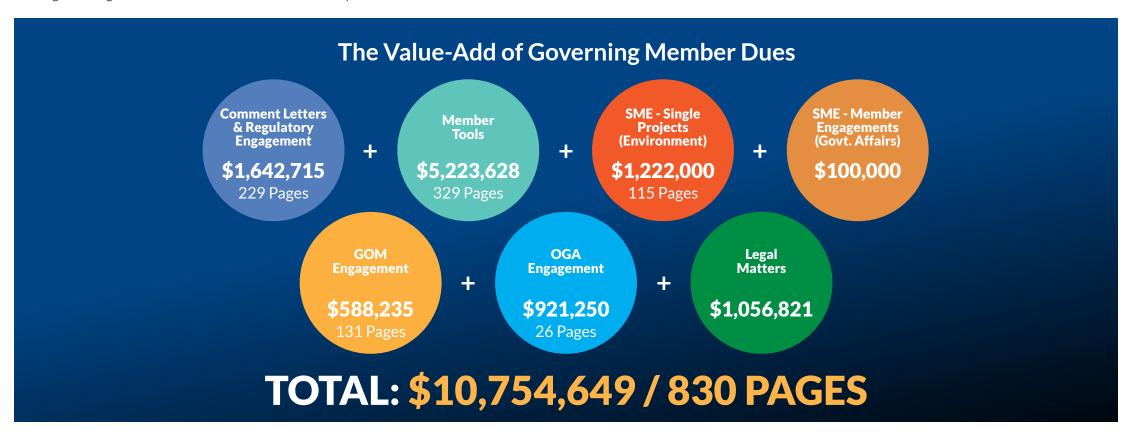


OUR IMPACT: Freedom to Operate

Freedom to operate is the EnerGeo Alliance's #1 priority and our core. Our pursuit includes access for acquisition, protecting data confidentiality, ensuring implementation of effective frameworks for multi-client and proprietary models focusing on early engagement with governments before anyone is there and preserving existing access. The EnerGeo Alliance's tireless effort in government engagement, public advocacy, and communications is viewed as being of the highest value to our members and the industry as a whole.

What's the Value of EnerGeo Alliance Membership?

EnerGeo Alliance membership provides an immense return on investment. The member support that we provide saves our member companies millions of dollars, and includes government affairs activities, regulatory engagement, scientific engagement, related member and compliance tools, scientific reviews, and consultant support. Other support provided includes in-house subject matter expertise, time and contribution to coordination, analysis, engagement, comment drafting, and much more.





Click to hear from Rune Olav Pedersen, 2021 EnerGeo Alliance Board Member and President & CEO - PGS

The value-add of Governing Member dues contribution to overall government and regulatory efforts and output for the past 12 months reflects the total amount that would have been expended by Governing Members, in sum, if all pursued efforts outside of the EnerGeo Alliance instead of pooling resources towards a common unified goal. The value to any individual member of the EnerGeo Alliance is an estimated \$1,075,464 per company.

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Government & Regulatory Engagement

The EnerGeo Alliance engages governments and stakeholders worldwide on issues central to access enabling the discovery and development of the energy needed to energize the world. Our work includes ensuring our members' freedom to operate around the globe, prioritizing timely, accessible geoscience data acquisition throughout the life of the asset; providing predictability & competition; promoting regulatory & fiscal certainty and promulgating risk- & science-based regulations. When it comes to government and regulatory engagement on a global scale, the EnerGeo Alliance's efforts and successes are unmatched.

Key Successes Around the Globe

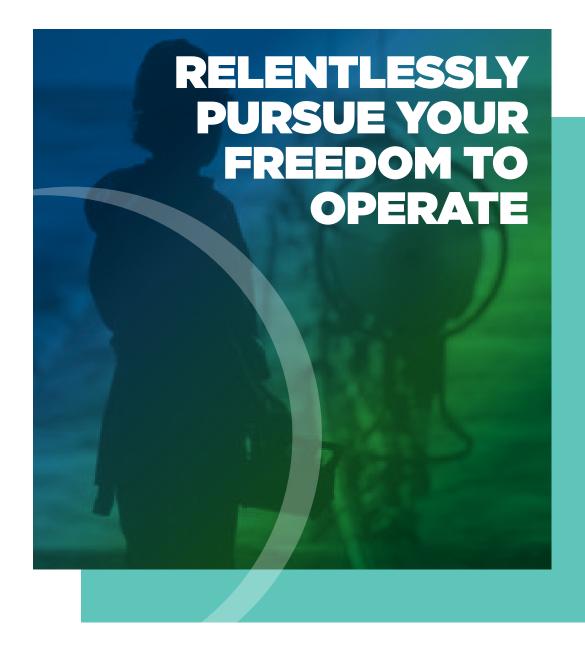
Regulatory and legislative policy decisions have long-lasting impacts on nations and the world economies. The EnerGeo Alliance works on members' behalf with governments around the world to develop and implement policies that address the critical needs of the energy geoscience industry that may hamper the discovery, development or delivery of the resources the world demands for a growing population.

We relentlessly pursue your Freedom to Operate. The primary objective of our organization and a key tenet of our strategic framework is to apply our formidable resources, knowledge and energy to fight for your access and freedom to operate.

Global

Increased Presence within Global Treaty Organizations

- · Granted accreditation to the United Nations Environment Assembly (UNEA) with the United Nations Environment Programme (UNEP)
- The EnerGeo Alliance recommended by the United Nations' Committee on NGOs to receive Economic and Social Council Special Consultative Status, which provides access on BBNJ, UNCLOS and other issues with relative ease
- As co-chair of the Convention on Migratory Species (CMS) Industry Advisory Group (IAG) on Underwater Noise, facilitated the expansion of the IAG to include other trade associations with an interest in underwater noise, including IMCA, IADC and ISOA
- Attended virtually the OSPAR ICG-Noise, Commission and Ministerial meetings, submitting a statement regarding the EnerGeo Alliance and work of members
- Attended virtually the Barcelona Convention Offshore Oil & Gas Group (OFOG) meeting



Expanded International Collaboration to Advance Industry

- Maintained regular interface through multiple international and regional trade associations to expand the EnerGeo Alliance's influence in response to the global impacts from the response to COVID-19, helping members navigate issues of the pandemic
- Working with key trades associations, successful in having all "offshore energy sector workers" recognized as 'key workers,' by the International Maritime Organization (IMO) to facilitate ease of movement of personnel resulting from COVID-19 restrictions put in place by nations. IMO's recognition led to the publication of IMO Circular Letter No.4204/Add.13, encouraging states to make the 'key worker' designation
- Successful in getting endorsement from the United Nations in support of 'key worker' designation for energy sector crews
- Joined the 600 companies and organizations in The Neptune Declaration on Seafarer Wellbeing and Crew Changes which defines four main actions to facilitate crew changes and keep global supply chains functioning
- Instrumental in working with other international trade associations in seeking "COVID-19 vaccine hubs" in ports, important to energy industry crews facilitating easier access to vaccines
- Initiated the EnerGeo Alliance Global Policy Workgroup comprised of Industry Partners and their global government and regulatory affairs personnel



Click to hear from Chris Usher, 2021 EnerGeo Alliance Board Member and CEO - ION

Continuing Our Government & Regulatory Affairs COVID-19 Response

The EnerGeo Alliance has delivered policy & regulatory letters to more than 50 countries - directly and indirectly - outlining priorities for the exploration industry, including assurance of travel for energy personnel, access to liquidity, and favorable tax provisions to provide stability and regulatory flexibility.



Africa

- Continued and increased collaboration with African Energy Chamber, Energy Capital & Power, formerly Africa Oil and Power, Africa Oil Week (AOW), and individual African nations
- Published the joint guidance with AOW, "Exploration Sector Best Practice Blueprint" for African governments to promote frameworks that can help host governments, energy companies, and the energy geoscience industry work in partnership to deliver cutting edge data to ensure Africa's full energy potential is unlocked
- The EnerGeo Alliance featured in its own AOW-hosted special energy geoscience industry panel at 2021 Africa Oil Week in Dubai with only EnerGeo Alliance members and moderated by the EnerGeo Alliance
- EnerGeo Alliance President Nikki Martin spoke on a panel at the African Energy Chamber's African Energy Week

Australia

- Testified before the Australian Senate Inquiry on seismic surveying, contributing
 to a coalition report to balance the majority report. The Australian Government
 ultimately tabled the majority report and did not accept any of the anti-offshore seismic
 recommendations
- Successfully engaged with government and industry stakeholders regarding the
 government's development of a framework for interactions between fisheries &
 seismic, averting unnecessary burden of a prescriptive adjustment policy for fishery
 compensation through a voluntary guide



Click to hear from Barrett Cameron, Senior Vice President, North and South America - PGS

Brazil

- Responding to EnerGeo Alliance's direct engagement in response to the COVID-19 pandemic restrictions, Brazil announced the 17th bid round, providing business certainty for members' budgeting
- Successfully advocated for confidentiality terms increase due to COVID-19 pandemic, overall market changes, and regulation change during the last decade
- Partnered with Sociedade Brasileira de Geofísica (SBGf) for a workshop with the government and stakeholders on the environmental impact and regulation of offshore survey activities
- Created framework for engagement of Industry Partners in Brazil, including through the industry's environment database program
- Presented at "Offshore O&G exploration and production activities How to reduce uncertainties in the environmental licensing process?" intragovernmental workshop promoted by the Energy Research Company with participation by key regulators, Mines and Energy Ministry (MME), Environmental Ministry (MMA), Special Secretariat for the Investment Partnership Program (SPPI), Environmental and Renewable Natural Resources (IBAMA), Brazilian Institute of Oil and Gas (IBP)
- Continued and increased collaboration with American Chamber of Commerce (AMCHAM) with invitation to participate in a series of events on the Brazilian Equatorial Margin
- Participating in the Mines and Energy Ministry (MME) Sub-Commission formed to present solutions for unblocking O&G exploration and production in the Equatorial Margin
- Participating in the MME Workgroups for Permitting and Planning to discuss and present solutions lease rounds and environmental permitting

Norway

- Participated in NPD workshops regarding Diskos 2.0 and issues surrounding entitlements
- Participated in NPD workshop regarding the adoption of r2.0 of the SEGY standard for reporting data to the NPD
- Attended with NOROG a meeting with the Norwegian Environment Agency (Miljødirektoratet - MDIR) on the likely introduction of marine mammal observers and associated protocols for seismic surveys offshore

United Kingdom

- Issued industry guidance on interpretation of the Oil and Gas Authority's (OGA)
 disclosure of legacy and other seismic data (collected pre-2018), and specifically to
 require the retroactive release of field data final guidance
- Published members tool, an Interpretive Statement relating to data usage for entities
 accessing data in the National Data Repository (NDR), to explain to clients and other
 parties how any released data can and cannot be used
- Participating in the initial meeting of the UK Marine Spatial Prioritisation Programme
- Responded to consultations on the UK Marine Strategy and the Offshore Energy Strategic Environmental Assessment

United States of America

- Successfully engaged to affect favorable changes in the Gulf of Mexico Incidental Take Regulation (ITR) draft, which included a BOEM reanalysis that resulted in decreases in take for most species (except two delphinids)
- Successfully engaged government to adjust the final ITR definition of "deep penetration" seismic to arrays of greater than 1500 cui (from 400) and revisits overly restrictive and non-beneficial mitigation measures, as well as rejects a speculative "extrapolation method"
- Co-sponsored several joint trades webinars to inform members on the requirements for obtaining Letters of Authorization (LOAs) under the Marine Mammal Protection Act (MMPA)
- Co-sponsored numerous webinars regarding ongoing GOM ITR implementation concerns

Litigation

- Supported member efforts engaging the UK Oil & Gas Authority over announced changes to confidentiality terms
- Provided oversight in the Atlantic Incidental Harassment Authorization (IHA) Litigation;
 the suit was deemed moot and dismissed
- Oversaw successful extension of the Gulf of Mexico (GOM) Settlement agreement allowing for continued issuance of G&G permits and issuance of the final Incidental Take Regulations (ITRs)
- Proactively Defending Access in the U.S. Gulf of Mexico with four lawsuits:
 - Together with API filed litigation against the U.S. National Marine Fisheries Service (NMFS) on the GOM ITRs in the Federal District Court for the Eastern District Louisiana, challenging the agency's use of overly precautious take modeling & the 5-month near-shore closure. The Associations have also intervened in an NGO lawsuit challenging the same regulations in the Federal District of Maryland (Natural Resources Defense Council, Inc. v. National Marine Fisheries Service)
 - Intervened along with API and NOIA in the case Sierra Club v. National Marine
 Fisheries Service (NMFS), to defend the GOM Biological Opinion against a lawsuit
 brought by NGOs (Sierra Club, Center for Biological Diversity, Friends of the Earth,
 and Turtle Island Restoration Network)
 - Joined API and 10 other industry trade associations to file a complaint against the Biden Administration (Department of the Interior) challenging the indefinite moratorium on all federal oil and gas lease sales onshore and on the Outer Continental Shelf (OCS)
- Published and distributed the members-only high-level legal analysis briefing memo regarding possible causes of action in the event that the exploration ban is enacted into law in Ireland

Resources

- Global EIA Handbook, updated (members only)
- Global EIA Handbook, Portuguese translation (members only)
- Fact Sheet: Environmental Impact Assessment
- Reference: Africa spreadsheet reference tool for data licensing (members only)
- EnerGeo Alliance Global Transparency Anti-Corruption Resource and Addendum (members only)
- Book: Hard copy and an English version of IBAMA and Seismic Research Industry: In search of knowledge and sustainability through environmental licensing, Brazil's first joint publication between IBAMA and the energy industry (members only)
- Reference: EnerGeo Alliance reference tool for members on Carbon Capture and Storage (CCS) regulations and statutes in the U.S. (Federal, Texas, California), Norway and the UK, supporting members' low carbon business opportunities (members only)
- EnerGeo Alliance Position: "The G&E Industry's Role in the Energy Transition"
- EnerGeo Alliance Position: "Carbon Capture and Storage"
- Fact Sheet: Offshore Wind Energy
- Fact Sheet: Geothermal Energy
- Gulf of Mexico Incidental Take Regulation Informational and Compliance Guide comprehensive guide to the ITR and Letter of Authorization (LOA) procurement process, published along with several other trades the joint the (members only)
- · Reference: Country Permitting Requirements webpage, published and updated (members only)
- Animations: Spanish versions of "Exploring Our World" and "Putting Seismic Surveys into Context" animations for members' public outreach in Latin America
- Report: Monthly Global Policy Monitoring Reports, provide high-level insight into regulatory activities, policy discussions, events and news from around the world that impact the business of the G&E industry (members only)





OUR IMPACT: Industry Alignment

To enhance industry advocacy effectiveness and establish consistent positions on emerging policies and issues, the EnerGeo Alliance has strong, cooperative relationships with executive leadership across the energy geoscience industry, with energy companies, and related international and regional industry trade associations. This allows us to provide business-critical relevant content, initiatives and research.

Under the EnerGeo Alliance's leadership, the strength of our effective leadership has helped us deliver some big regulatory wins and successful industry initiatives that increase efficiencies while reducing costs that were made possible through our partnerships. By uniting the global voice of the industry, we can communicate to the world the irreplaceable role of the energy geoscience industry in the discovery, development and delivery of the energy and the low carbon solutions it demands. Together, Energy Starts Here™!

Global Leadership Forum

The EnerGeo Alliance's Global Leadership Forum transitioned to a virtual platform with Strategic Dialogues held with our Board of Directors and Industry Partner exploration and subsurface executives throughout 2020 and 2021. The moderated discussions on the challenges, opportunities, and role of the energy geoscience industry foster creativity for members and the association to think strategically towards our common goal: a sustainable, competitive industry.

2021 Global Leadership Forum Members - Industry Partners		
Luca Bertelli	Director Exploration and Deputy COO, Eni	
Mike Cousins	Senior Vice President, ExxonMobil	
Ariel Flores	SVP Subsurface, BP	
Marc Gerrits	Executive Vice President, Exploration, Shell International	
Liz Schwarze	Vice President, Exploration, Chevron	
Klaas Koster	Worldwide Chief Geophysicist & Fellow, OXY	
Kevin McLachlan	Senior Vice President Exploration, TotalEnergies	
Amalia Olivera-Riley	Head of Exploration, Tullow	
Sonia Scarselli	VP Exploration & Appraisal, BHP	



Click to hear from Duncan Eley, 2021 EnerGeo Alliance Board Member and CEO - PXGEO

Industry Partners increased commitment to the EnerGeo Alliance in 2021, with 11 Industry Partners (BHP, BP, Chevron, ConocoPhillips, Eni, Equinor, ExxonMobil, OXY, Shell, Total, Tullow) increasing their contribution to support the EnerGeo Alliance's vision and Strategic Plan.

2021 Global Leadership Forum Members - Governing Members		
Kristian Johansen	CEO, TGS	
Carel Hooijkaas	CEO, Magseis Fairfield	
Hao Huimin	Chief Geophysicist, BGP Inc, CNPC	
Dechun Lin	Executive VP of Multi-Client and New Ventures, CGG	
Joe Dryer	President, Multi-client and Geo Services, Fairfield Geotechnologies	
Chris Usher	CEO, ION	
Rune Olav Pedersen	President & CEO, PGS	
Duncan Eley	CEO, PXGEO	
Mike Faust	CEO and President, SAExploration	
Ibrahim Moussa	Director Exploration Data, Schlumberger	
Irene Waage Basili	CEO, Shearwater	



Membership

Key Successes

- Implemented a tiered structure for Industry Partner members based on global or regional operations
- Added three new membership classes to expand our reach and influence:
 - Professional Services: companies that provide professional services to the geophysical or E&P industry, such as investor services, law firms, research firms, etc.
 - > Entrepreneur: any company within one year of establishment; only offered for one vear in length
 - > Individual Consultant: for individual consultants either working professionally or in between jobs; does not apply to consulting organizations with more than one employee or individuals who work for companies
- Established the Global Policy Workgroup, composed of Industry Partners and their global governmental and regulatory affairs personnel.
- Established the Energy Innovation Workgroup focusing on the application of energy geoscience and exploration to carbon sequestration and alternative energy development and to guide how the EnerGeo Alliance can best support regulatory and scientific knowledge in the energy transition and position the EnerGeo Alliance as a leading resource for members as the energy industry evolves
- Formed the EnerGeo Alliance Emissions Workgroup
- Formed the EnerGeo Alliance Diving Workgroup

Resources

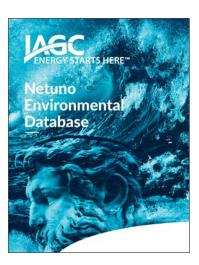
- Briefing Paper: EnerGeo Alliance/AOW paper, "Exploration Sector Best Practice Blueprint" (members only)
- Guidance: "Recommended Best Practices for Geophysical Survey Crews to Assist Entangled Wildlife"



MAKING AN IMP

INDUSTRY ALIGNMENT: PROGRAMS & INITIATIVES

In 2021, the EnerGeo Alliance implemented three programs that are designed to increase efficiencies, reduce waste and provide consistent industry-wide standards and best practices which improve performance while decreasing costs of permitting and compliance.

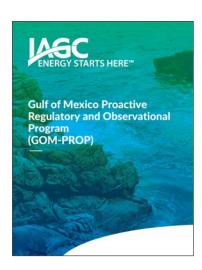


Netuno Environmental Permitting Database

Netuno is the EnerGeo Alliance-created and managed Brazil Environmental Database Program developed to enhance compliance with the Brazilian Environmental and Renewable Resources Institute's (IBAMA) Terms of Reference (ToRs) requirements and make accessible to stakeholders a standardized compilation of all environmental data that has been collected in the country since 2005.

Key Successes

- Completed and launched the Environmental Permitting Database as a Program to support offshore permits and leasing, working with IBAMA, ANP and other governmental entities
- Netuno is evolving to not only serve as a repository of data but also as a management tool for subscribers and IBAMA, focusing currently on marine biota monitoring and permit applications
- In 2021, the EnerGeo Alliance became the administrator/manager of the Netuno Environmental Permitting Database
- The EnerGeo Alliance obtained IBAMA's consent to restrict the use of the environmental database to only those companies that contribute financially and subscribe to the program
- Met goal of the number of subscriber companies to financially support the database including adding operators
- Petrobras became a participant in the Netuno Environmental Database; viewed as a historic achievement and endorsement of Netuno by Brazilian standards because Petrobras has its own databases and has not historically utilized external ones. This is also a great achievement because Petrobras owns the majority of data in the country, and their data contribution will significantly enhance Netuno in terms of amount of data that will be added.



Gulf of Mexico Proactive Regulatory & Observational Program

The EnerGeo Alliance-created and -led GOM-PROP kicked off with 21 company participants including both EnerGeo Alliance members and non-members. The GOM-PROP creates and maintains a long-term, self-sustaining framework to facilitate regulatory stability in the GOM, based on industry-collected protected species observer data and the best available science, maximizing environmental benefit while minimizing compliance burden to the industry so operations can be conducted in a safe, environmentally sound, and commercially viable manner.

Key Successes

- · Successfully kicked off the reporting program with 21 company subscribers upon launch
- The GOM-PROP database is now in use for subscribers to enter and view data
- Conducted an informational session on the program and future regulatory requirements working with API, OOC, and NOIA



SEIS Program

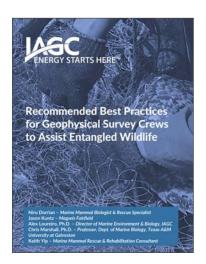
The SEIS Program includes an industry-unique database which incorporates shared audits and inspections, standardized vessel specifications report, standardized HSSE call for tender questionnaire, and HSSE performance statistics all within the single SEIS database for use by program subscribers. Additionally, the newly developed HSSE Statistics Database includes a new feature never-before utilized in the geophysical industry: drill-down capability to analyze and find trends in incident reporting across the industry. Created and managed by the EnerGeo Alliance, the SEIS Program provides efficiencies that save the industry tens of thousands of hours thereby enabling more time to be spent on project-specific solutions.

The SEIS Program evolved from EnerGeo Alliance's Seismic Efficiency Initiative and continues to address key areas in which member companies can not only increase efficiencies while reducing costs but also maintain industry focus on health and safety.

Key Successes

- Successfully launched the program with 17 participants
- Published the EnerGeo Alliance Technical & Vessel Specifications Report
- Launched the new EnerGeo Alliance HSSE Statistics Database featuring drill-down functionality to identify industry-wide incident trends, providing for the first time in the history of the program a method to analyze incidents with this level of granularity





Ghost Net and Marine Debris Removal Initiative (GNI)

The objective of EnerGeo Alliance's GNI is to leverage the energy geoscience industry's global footprint and strong commitment to environmental stewardship to help remove plastic waste from our oceans, one of the most critical threats to marine life.

GNI data are beneficial to quantifying the industry's contribution to marine debris removal, and for engaging with governments that may not be aware of the industry's environmental stewardship efforts. Many EnerGeo Alliance members have identified the GNI as a top ESG priority.

Key Successes

- Released a new GNI reporting form for 2021 to facilitate initiative objectives
- Developed in conjunction with outside experts and published entanglement handling guidance, "Recommended Best Practices for Geophysical Survey Crews to Assist Entangled Wildlife"
- Hosted three Ghost Net Initiative webinars: one open to members only and, two open to members and the general public
- Supporter of the Gulf Center for Sea Turtle Research at Texas A&M University at Galveston to foster the important conservation work of the new GCSTR

The objective of EnerGeo Alliance's GNI is to leverage the energy geoscience industry's global footprint and strong commitment to environmental stewardship to help remove plastic waste from our oceans, one of the most critical threats to marine life.

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Accelerating Value Creation

OUR IMPACT: Accelerating Value Creation

We are a Science-Based, Credible Resource

The EnerGeo Alliance is science-based, not rhetoric-based. We engage government and regulatory agencies globally with credible scientific, technical and legal analysis to protect the environment, develop essential energy supplies, and advance legislative frameworks and public engagement to attract and maintain the investment of the energy geoscience industry.

The EnerGeo Alliance works to advance credible science by promoting science-based decision-making, particularly for environmental regulations and marine mammal mitigation measures. Members continually rely on the EnerGeo Alliance for scientific expertise which includes biological and environmental research, information-gathering and opinion development to combat unwarranted environmental regulations and to counter more sensationalist academic research and papers on seismic survey activities' impact on the environment. Our in-house biological science-specialized knowledge and experience is not universally found in all member companies and manages issues that are best handled by the trade alliance. This helps members save money as internal resources are becoming increasingly limited.



Click to hear from Irene Waage Basili, 2021 EnerGeo Alliance Board Member and CEO - Shearwater GeoServices

The EnerGeo Alliance works to **advance credible science by promoting science-based decision-making,** particularly for environmental regulations and marine mammal mitigation measures.

Key Successes

- Became a founding member and Co-Chair of the Industry Advisory Group (IAG) on Underwater Noise at the invitation of the Secretariats of CMS, ACCOBAMS, ASCOBANS
- Updated the Environmental Impact Assessment (EIA) Guidance which was published and copyrighted in 2020; Also published the Portuguese translation.
- Conducted numerous workshops with regulators and policymakers around the world on the EnerGeo Alliance EIA Guidance Handbook and the "Recommended Best Practices for Geophysical Survey Crews to Assist Entangled Wildlife," encouraging adoption and reference to both as science- and risk-based best industry practice guidance. Government participants included Australia, Brazil, Canada, Guyana, Ireland, Mexico, Suriname, UK, USA, Norway, Israel, UK and New Zealand, and many countries party to the International Regulators Forum (IRF).
- Developed industry guidance for managing interactions with marine wildlife during operations
- Entangled Animal Guidance highlighted in an article in IMarEST Marine Professional Magazine
- Developed an improved calculator tool to address shortcomings in the NMFS Marine Mammal Acoustic Technical Guidance
- NMFS adopted the EnerGeo Alliance's calculations into its own user spreadsheet tool, and made EnerGeo Alliance's spreadsheet tool and user guide available in their entirety on its website
- Participated in the first meeting of the UK Underwater Noise Strategic Advice Group (SAG), focused on potential impacts from industrial activities within the Southern North Sea Special Area of Conservation
- Participated in workshops regarding the re-development of the UK Marine Noise Registry
- Participated in JNCC virtual Passive Acoustic Monitoring (PAM) workshop
- Participated in the initial ACCOBAMS MMO/PAM working group meeting concerning training
- Participated as an invited expert in Rice's whale recovery planning workshops with NMFS
- Participated in the Norway annual "Fish and Seismic" Workshop

Resources

- Report: Global Policy Monitoring Reports (members only)
- EnerGeo Alliance "Global Seismic Guideline Summary" providing an overview of international and regional monitoring and mitigation requirements and guidelines for geophysical survey activities (members only)
- "Global Data Confidentiality & Lease Terms," an overview of global geophysical data confidentiality and exploration lease regulations (members only)
- Guidance: "Recommended Best Practices for Geophysical Survey Crews to Assist Entangled Wildlife"
- Global EIA Handbook, updated (members only)
- Global EIA Handbook, Portuguese translation (members only)
- Fact Sheet: Environmental Impact Assessment
- Gulf of Mexico Incidental Take Regulation Informational and Compliance Guide (members only)
- EnerGeo Alliance Statements of Principles (SOPs) (members only)
- Model Master Licensing Agreement (members only)
- Support Vessel Guidelines and Inspection Checklist (members only)
- "Multi-Client Seismic Data: Considerations for Stimulating Investment"
- Global Transparency Anti-Corruption Resources and Addendum (members only)





OUR IMPACT: Leading & Influential

We are an Industry-Wide Standard-bearer of safety and environmental standards. We work with our members throughout the entire energy value chain to provide standards and specifications for their achievement and maintenance of safety and environmental standards.

EnerGeo Alliance members have exclusive access to the EnerGeo Alliance library of guidance and best practices, including the three EnerGeo Alliance Safety Manuals, fact sheets and talking points, and Model Master Licensing Agreement and Key Contractor and Licensing Statements of Principles among others.

As the voice of the energy geoscience industry, the EnerGeo Alliance is the globallyrecognized representative body in front of governments and the media, ensuring the industry's freedom to operate, combating misinformation, communicating the industry's value across the energy spectrum including its role in the energy revolution, and our role in de-risking and accelerating discoveries.

We develop critical, relevant content and research to provide to members and take a consultative role to deliver greater value. We are the place for advantages, benefits, resources and opportunities



Click to hear from Carel Hooijkaas, 2021 EnerGeo Alliance Board Vice-Chair and CEO - Magseis Fairfield ASA



MAKING AN IMP

HSSE

The EnerGeo Alliance is widely known as the HSSE standard-bearer for the energy geoscience industry, and built much of its reputation on its prioritization. In 2021, that tradition continued as the association maintained its proactive approach in supporting members in a COVID-19 environment.

COVID-19 Response: From February 2020, continued to mobilize our HSSE Network with representatives from all levels of EnerGeo Alliance membership biweekly conference calls, including doctor representation from EnerGeo Alliance Associate Members, Remote Medical International, and United HealthCare. Call discussion centers on operational plans, crew change, lessons learned, and drive the development of industry best practices

Key Successes

- Developed the EnerGeo Alliance Emissions Guidance for Marine Geophysical Operations for metrics and reporting of scope 1, 2 and 3 emissions
- Successfully implemented the EnerGeo Alliance s Risk-Based Auditing Guidance



2021 HSSE Forum

The EnerGeo Alliance's 2021 HSSE Forum transition continued on our virtual platform from 2020, allowing for increased attendance to participate in a strategic, business-critical agenda. The Forum kick-started several initiatives for 2021 continuing EnerGeo Alliance's focus on lowering risk, increasing efficiencies, and improving the G&E industry's performance on health, safety, and the environment. One of the notable priorities launched in 2021 is the new EnerGeo Alliance HSSE Statistics Database.

Resources

- Fact Sheet: Greenhouse Gas Emissions (GHG) from Marine Geophysical Operations
- EnerGeo Alliance Multi-Client Regulation Spreadsheet for all regions where members operate (members only)
- Revised and published all 24 Statements of Principles (members only)
- EnerGeo Alliance Position: EnerGeo Alliance Industry ESG Statement
- Animations: Spanish versions of "Exploring Our World" and "Putting Seismic Surveys into Context" animations for members' public outreach in Latin America
- Revised version of the EnerGeo Alliance Aide Memoir including all High- Potential (HiPo) Incidents over the past 12 months (members only)
- Newly-designed EnerGeo Alliance HiPo Alert (members only)
- "Global Multi-Client Data Confidentiality and Lease Terms" (members only) table as an addendum to the Multi-Client Fact Sheet
- Report: EnerGeo Alliance Technical & Vessel Specifications Report provides a standardized format for technical and vessel specifications for streamer and nodal vessels (SEIS subscribers only)



Click to hear from Mike Faust.

2021 EnerGeo Alliance Board Member and Former Chief Executive Officer and President - SAExploration

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Award Winning Information and Content

The EnerGeo Alliance provides its members with high-quality, original, and curated content which is business relevant. Our award-winning platforms include social media, the EnerGeo Alliance NewsBrief, the EnerGeo Alliance InDepth newsletter, and our website which contains numerous fact sheets, papers, infographics, videos and animations, and other informative resources.





Awards

- 2021 Lantern Award for the website (Association of National Advertisers)
- 2021 Lantern Award for the 2020 Annual Report (Association of National Advertisers)
- 2021 Bronze Addy Award for the website (American Advertising Federation)
- 2021 Crystal Award for the website (American Marketing Association)
- 2021 Crystal Award for the 2020 Annual Report (American Marketing Association)

EnerGeo Alliance Virtual

Our EnerGeo Alliance Virtual Webinar Series continues to provide our members with informative and relevant discussions about key industry issues and provides opportunities for our global membership to engage no matter where they are located.

One of the special sessions we hosted in 2021 is our EnerGeo Alliance/Petroleum Exploration Society of Great Britain (PESGB) first-ever joint webinar, Applying Oil & Gas Skills to New Energies: A Conversation on Overall Workforce, exploring the role of the oil and gas industry's workforce in supporting and accelerating the energy transition.

11 Total Number of Sessions







(including - ABC Australia, BBC UK, CEO Update, E&E News, Irish Times, Scientific American, The Age, NPR, Politico, Reuters, Washington Post)

624 New Followers 3,247 Unique Visitors





343 Tweets 797 Followers

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Partnerships

United Response. Global Impact.

Our reach is global and we proactively engage with similar trade organizations to share knowledge and best practices for the betterment of our members' and their customers' exploration operations. We also collaborate with other trades and coalitions around the globe on industry initiatives, legislation and regulations, leveraging our collective strength to proactively address issues that may impact the energy geoscience industry.



Click to hear from Rebecca Pitman,

2021 EnerGeo Alliance Board Treasurer and Senior **Business Controller - Shearwater GeoServices**























































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Blazing the Path for the Energy Evolution

OUR IMPACT:Blazing the Path for the Energy Evolution

The EnerGeo Alliance recognizes the importance of environmental stewardship and the integral role of the energy industry in responding to the changing climate and balancing that with the needs of those in energy poverty around the world, while facilitating the safe discovery development and delivery of the world's energy resources.



Click to hear from Tana Pool,

2021 EnerGeo Alliance Board Secretary and Legal Committee Chair and Executive Vice President, Legal & General Counsel - TGS

As the definition of "energy resources" continues to grow and expand, the EnerGeo Alliance has been privileged to watch the energy geoscience industry and our members rise to meet this challenge. Our members bring a wealth of decades of experience and maturity to the table in not only supporting but accelerating the energy evolution.

Accordingly, the EnerGeo Alliance is paving the path in the energy evolution as a valuable partner to our members as they expand their businesses and continue to provide low-carbon solutions and enable the discovery, development and delivery of both mainstay and alternative sources of energy.

The EnerGeo Alliance is investing in internal resources to meet members' energy transition needs as well as expanding to include new and alternative energy applications of subsurface data, including low-carbon solutions such as Carbon Capture and Storage.

Our newly-created Energy Innovation Workgroup identified several key areas of synergy between the industry and energy evolution challenges including:

- Carbon Capture and Storage
- Marine Minerals
- Wind Energy
- Geothermal
- · New Technology and Remote Monitoring
- · Permitting Challenges and Industry Alignment

The EnerGeo Alliance has proactively engaged with alternative and new energies trade associations to foster collaboration and alignment, which include RenewableUK, WindEurope, Carbon Capture Storage Association (CCSA), and the Oil & Gas Climate Initiative (OGCI).

Partnership agreements were put in place to facilitate preferential rates for EnerGeo Alliance members at key events of some of the trade associations. Alignment efforts include working together as part of the newly formed Industry Advisory Group on Underwater Noise which includes WindEurope, and the UK Strategic Advice Group which is also attended by RenewableUK.

Resources:

- EnerGeo Alliance Position: The G&E Industry's Role in the Energy Transition
- EnerGeo Alliance Position: Carbon Capture, Utilization, and Storage (CCUS)
- Overview of Tax Incentives, Environmental, Subsurface Characterization, Monitoring and Permanence Requirements for CCUS Development in the U.S. (Federal, California, Texas), Norway, and the U.K. (members only)
- EnerGeo Alliance Position: Environment, Social, and Governance (ESG)
- EnerGeo Alliance Position: Greenhouse Gas Emissions (GHG) from Marine Geophysical Operations
- Fact Sheet: Geothermal Energy
- Fact Sheet: The Importance of Geophysical Data for Carbon Management
- Fact Sheet: Offshore Wind Seismic Surveys

IWORKING

IAGC's 50th Anniversary Annual Conference



























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Click to Watch the IAGC's 50th Anniversary Annual Conference Recap Video

EnerGeo Alliance Staff

The EnerGeo Alliance has a well-seasoned team that brings a wealth of experience from a diversity of backgrounds. Our staff shares the values of the energy geoscience industry and supports the vision and strategic framework of the organization.



Click to hear from Joe Dryer,

2021 EnerGeo Alliance Board Member and President, Multi-client and Geo Services - FairField Geotechnologies



Nikki C. Martin President



Gail AdamsVP of Communications &
External Affairs



Dustin Van LiewVP of Regulatory &
Governmental Affairs



Criss Rennie White
Chief of Staff



Dr. Alex LoureiroDirector of Marine
Environment & Biology



Jameson White
Director of Member
& Industry Relations



Krystal Coker Member & Events Coordinator



Mabel SmettersOffice Administrator



Rose IngrandePrograms Coordinator

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