

EAGE

HOST

equinor 

2024

# EAGE ANNUAL

85<sup>TH</sup> CONFERENCE & EXHIBITION

OSLO | NORWAY

10 - 13 JUNE 2024

TECHNOLOGY AND TALENT  
FOR A SECURE AND SUSTAINABLE  
ENERGY FUTURE

*Event Report*

'I believe the EAGE Annual is the largest cross-disciplinary geoscience & engineering event in the world and that makes it energizing to be here. It's important for Equinor to be the host of this conference as we believe the subsurface will be key to our ambition to develop into a broader energy company, continuing to supply oil and gas while building low carbon and renewable solutions. The theme "Technology and Talent for a Secure and Sustainable Energy Future" therefore resonates with our ambitions.'

---

*Erling Vagnes*

SVP Subsurface Exploration Production International, Equinor  
EAGE LAC 2024 Chair

## About The Event

The 85<sup>th</sup> EAGE Annual Conference & Exhibition was hosted in Oslo, Norway, from 10-13 June 2024. The event successfully brought together leading professionals, academics, regulators and industry leaders to share and discuss the latest advancements in geoscience and engineering.

The conference was hosted together with Equinor under the theme **"Technology and Talent for a Secure and Sustainable Energy Future"**, highlighting the critical role of the subsurface in addressing the world's biggest resource and environmental challenges. We focused on the evolving energy landscape and the advances of low carbon and renewable solutions alongside continued O&G exploration. Key emerging themes included nurturing talent for the energy transition, energy security and advances in AI and geoscience technology.

Thanks to all of the attendees, volunteers and participating companies for making this year's event an incredible success. We're thrilled to present the event highlights and key statistics in this report.

**We look forward to seeing you at next year's event in Toulouse, France, from 2-5 June 2025.**

## Conference and Exhibition

The EAGE Annual Conference returned to Oslo after more than 20 years. During that time, Norway has emerged as one of the world's leading energy hubs with a significant importance for European energy security, a global talent pool and the pioneering of new technologies in renewables, decarbonisation and infrastructure solutions. This helped to enhance the technical depth of the conference while broadening the multidisciplinary scope of geoscience applications.

The exhibition continues to grow, showcasing a broad range of innovative geoscience and engineering solutions. The show floor was energetic with a vibrant array of networking opportunities, community zones and presentation theatres. We also saw further innovations in the event delivery including the introduction of a personal headset solution to enhance the quality of presentations in the exhibition and open conference spaces.



**6220**  
Registrations



**75**  
Countries



**617**  
Organisations



**50**  
Strategic Programme  
Speakers



**1050+**  
Total Presenters



**1320+**  
Total Presentations



**6800**  
Sqm



**202**  
Exhibitors



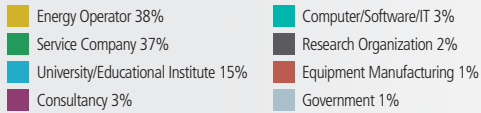
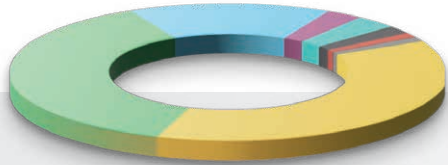
'EAGE conferences allow people to spend time with each other, learning and networking, all in the spirit of trying to tackle a very difficult challenge for the industry. And I believe that continuous collaboration as the technical challenges get more complex, is going to be key to our success because no one can solve it alone.'

*Ariel Flores*

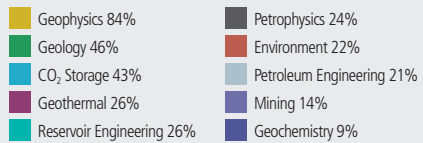
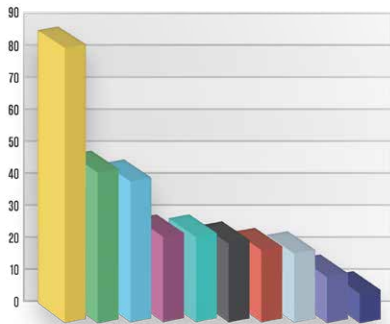
SVP Subsurface, BP  
EAGE LAC 2026 Chair

## Delegates Overview

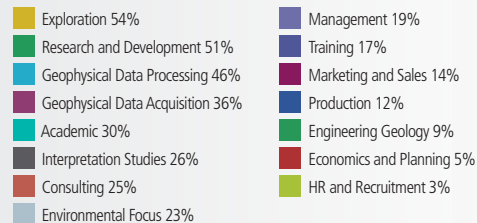
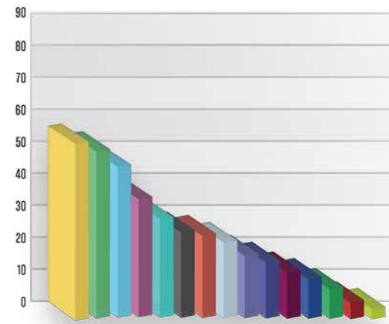
VISITORS BY SECTOR



VISITORS BY DISCIPLINE



VISITORS BY PROFESSION FOCUS



'It's my first time attending the EAGE Annual conference and it's been an amazing event so far...a place where we can encourage geoscientists and other subsurface professionals to see there's still a bright future and career for us, beyond this decade and decades to come, and a place for young individuals to also be inspired and mentored.'

*Julya Bonkat*

Subsurface Manager, Competence Centre  
Equinor



**EAGE**



**TOTAL COUNTRIES  
REPRESENTED**

**75**

**NUMBER OF  
ORGANISATIONS 617**

**NUMBER OF  
SPEAKERS 1050**

**NUMBER OF  
PRESENTATIONS 1320**



‘After COVID, seeing such a vibrant, well-attended event is truly emotional for me. It’s a pleasure to walk through the technical exhibition and witness a dense, high-quality technical programme with numerous panel discussions on key topics. The overall atmosphere is extremely positive for many reasons. I also find the technological developments and the way the conference is managed very interesting.’

*Laura Valentina Socco*

Full Professor Applied Geophysics, Politecnico di Torino  
EAGE President 2024-2025

‘This year’s EAGE conference revolved around three key themes: technology, talent, and sustainability. These themes converge, especially when considering sustainability. Technological innovations and breakthrough technologies can disrupt not only the oil and gas industry but also the renewable energy sector. EAGE has evolved over the past year to focus on both oil and gas and sustainability. This focus is helping to attract the best talent. The main theme highlights EAGE’s role in shaping the future of the global workforce.’

*Sanjeev Rajput*

General Manager & Global Head-Reservoir  
Geoscience/Geophysics, PETRONAS  
EAGE Vice President (2024-2025)



‘It was impressive to see such a professional and inspiring exhibition, which was very well attended. The technical programme was of very high quality, with a lot of attention to the workshops and dedicated technical sessions. It was truly good to see. The Technical Programme Committee successfully found the right balance between oil and gas topics, sustainable energy, and near-surface related subjects.’

*Martin Widmaier*

Chief Geophysicist, TGS Sales & Services  
TPO and Board Member of EAGE



‘I think this event also offers a really great opportunity to network. I mean, with people that you already know from the industry, but also an opportunity to get to know new people across different companies to see what kind of exciting work that they’re doing, especially as a young professional in this industry now that is moving at such a dynamic pace. I think it’s really these kinds of platforms that offer a really good opportunity for young professionals. So as always, I’m really happy to be here.’

*Mahad Nadeem Junjua*

Data Scientist  
Wintershall Dea

## Technical Programme

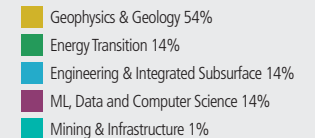
The Technical Programme of the EAGE Annual 2024 benefited from a near 40% increase in the number of submitted abstracts. This resulted in a high quality and well balanced programme which integrated oil and gas, sustainable energy and near surface geosciences. The energy transition topics continue to grow within the programme highlighting crossover technologies and skills transfer. The sessions provided an opportunity to share experience while gaining new insights and understandings. We also saw a distinct Norwegian flavour to the range of dedicated sessions including topics such as: CCS, North Sea exploration, infrastructure integrity, mineral exploration and nurturing geoscience talent.

'This year the number of submissions is back to normal pre-covid times. This is a great achievement since other large events have been significantly reduced in size up till now. The contribution of the sustainable energy circle is still growing, getting close to 10% of the conference. Interesting to see that all traditional disciplines have a significant part of the papers dedicated to AI and Machine Learning.'

*Aart-Jan van Wijngaarden*

Leader Work Processes in E&P, Equinor  
EAGE Technical Programme Officer (2019 - 2024)

### Topics of presentations



99%

of attendees highly appreciated the **level of expertise** demonstrated by the presenters

98%

of attendees **expressed satisfaction** with the content of the **technical presentations**

Source: EAGE Annual 2024 Delegate Survey



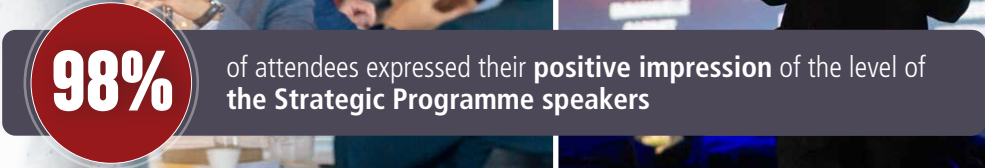
# Strategic Programme

The Strategic Programme for Annual 2024 was a comprehensive and forward-looking series of sessions designed to address some of the most pressing and challenging themes in the energy transition. This year’s programme was particularly notable for its scope and depth, featuring 11 sessions compared to previous years. These sessions were meticulously curated to bring forth challenging topics that are set to shape the future of energy transition. They offered invaluable insights and engaged in discussions about tools and strategies to tackle these emerging challenges, highlighting the evolving role of oil and gas provinces into broader energy hubs, the critical role of digitalization, the vital role of geoscience and technological innovation, and the necessity for diverse talent and innovative strategies.



‘We’re extremely satisfied and happy with the fantastic, positive atmosphere at the conference. Numerous collaborations were announced, groundbreaking technology was presented, and we had extremely insightful strategic talks. We’re all returning home with a lot of positive energy and I can’t wait to see this same enthusiasm next year.’

*Severine Pannetier-Lescoffit*  
Chief Geophysicist, Equinor  
EAGE 2024 LAC Committee Member



Source: EAGE Annual 2024 Delegate Survey



## Embracing Digitalization at EAGE Annual

The Digital Transformation Area (DTA) at the EAGE Annual Conference in Oslo showcased advancements in digital technologies for the energy sector through a diverse programme of presentations, panel discussions, and technical sessions.

Session highlights included rapid insights into digital subsurface technologies, real-time data analytics in drilling, and digital-focused academic shifts. Keynotes covered cloud computing in geophysical imaging, open-source data initiatives, and big data management. Deep dives highlighted digital transformation experiences, startup contributions, and industry readiness for the Open Subsurface Data Universe (OSDU).

'EAGE has always been at the forefront of technological innovation and driving the industry towards a common goal. During the past, I have seen the evolution from a strictly geoscience focus towards sustainability, artificial intelligence, technological innovations and other multidisciplinary areas.'

*Sarjeev Rajput*

General Manager & Global Head-Reservoir Geoscience/  
Geophysics, PETRONAS  
EAGE Vice President (2024-2025)

### Looking ahead

Digitalization enthusiasts can look forward to the 5th EAGE Digitalization Conference and Exhibition, scheduled for 24-26 March 2025 in The United Kingdom.

Visit [eagedigital.org](https://eagedigital.org) for more details.



## Energy Transition at the Heart of EAGE Annual

Energy transition topics continued their strong growth within all aspects of the conference programme reflecting a growing commitment within the geoscience community to help achieve the industry's net zero ambitions. The Energy Transition Area (ETA) included discussions on the evolving role of geoscience for a positive energy future, assessing the potential of Norwegian Offshore wind and bridging the gap between the energy transition and the oil and gas industry and the role of start-ups in supporting the transition.



### Looking ahead

This momentum sets the stage for the 5<sup>th</sup> EAGE Global Energy Transition Conference & Exhibition (GET 2024), scheduled for 4-7 November 2024 in Rotterdam. Enthusiasts and professionals committed to the energy transition can look forward to four technical conferences on Carbon Capture & Storage, Geothermal Energy, Hydrogen & Energy Storage, and Offshore Wind Energy at GET 2024.

Visit [eageget.org](https://eageget.org) for more details.



'We have to respond to the claim that technical problems are solved. Knowledge and competences are always evolving. We see that once marginal technologies and applications are now exploding in interest. And it's exciting to see the potential and challenge of increasing affordability, effectiveness and efficiency for industry at a large scale.'

*Laura Valentina Socco*

Full Professor Applied Geophysics, Politecnico di Torino  
EAGE President 2024-2025

## EAGE Awards and Best Local Chapter Prize

The EAGE Awards are highly esteemed within the geoscientific community. As an association dedicated to promoting innovation and technical advancement, EAGE honors distinguished careers, emerging talents, and significant contributions to the global community of geoscientists and engineers.

### Congratulations to the 2024 Award winners:

Desiderius Erasmus Award to **Philip Ringrose**

Honorary Membership Award to **Leo Eisner**

Alfred Wegener Award to **Baojun Bai**

Conrad Schlumberger Award to **Alireza Malehmir**

Arie van Weelden Award to **Grazia de Landro** and **Lukas Mosser**

**Candidates were nominated by members and selected by an international Awards Committee.**

EAGE Local Chapters are scientific communities that collaborate closely with the Association to advance geoscience, endorse EAGE initiatives, and provide training and professional development. Annually, EAGE assesses their activities and awards the most active chapters.

Congratulations to **Local Chapter Paris** for Best EAGE Local Chapter of the Year and **Local Chapter Kuwait** for Best EAGE Local Chapter Newcomer.



EAGE Awards.

## Workshops, Short Courses and Field Trips

A variety of side activities were held before and after the main conference, facilitating deep learning, practical skills development, and professional collaboration

**18 Workshops** covered topics such as CCS, nuclear waste storage, geophysical acquisition, data science and seismic imaging & interpretation. The workshops were a great opportunity to encourage more focused learning within an interactive environment.

**4 Short Courses** were geared towards the energy transition, provided specialised skills in microseismic monitoring, subsurface hydrogen exploration, geothermal energy production, and CO2 storage in saline aquifers.

**6 Field Trips** were completely sold out, giving participants the chance to explore the natural and technological wonders of Norway including geological tours of the Oslo Region, the Natural History Museum, Shearwater and NGI Technology Centres and CO2 Field Labs and Sequestration sites.

The All Access Pass continues to prove popular with delegates. It played a pivotal role in enhancing the overall event experience, allowing participants to make the most of their involvement in the EAGE Annual 2024.



## Community Activities

Through our network of communities and local chapters, we explored multidisciplinary geoscience connections and shared experiences that supported members' professional and personal growth.

### Top community activities this year:

- **Hackathon:** Teams, guided by the EAGE AI Committee, developed AI solutions for net-zero goals.
- **Geosecrets of Norway:** Insights and networking hosted by EAGE Local Chapters Oslo and Stavanger.
- **Chatbot Tips:** EAGE AI Committee showcased effective chatbot use for geoscience and engineering.
- **Career Advice Center:** Provided CV checks, professional portraits, and mentoring.



'It's always fantastic to be amongst so many geoscientists and see the energy in the room. The theme of this year's conference is really energising. I think it's a really good mood, and it sets us on the way to that transition that we're all in.'

*Andi Pfaffhuber*

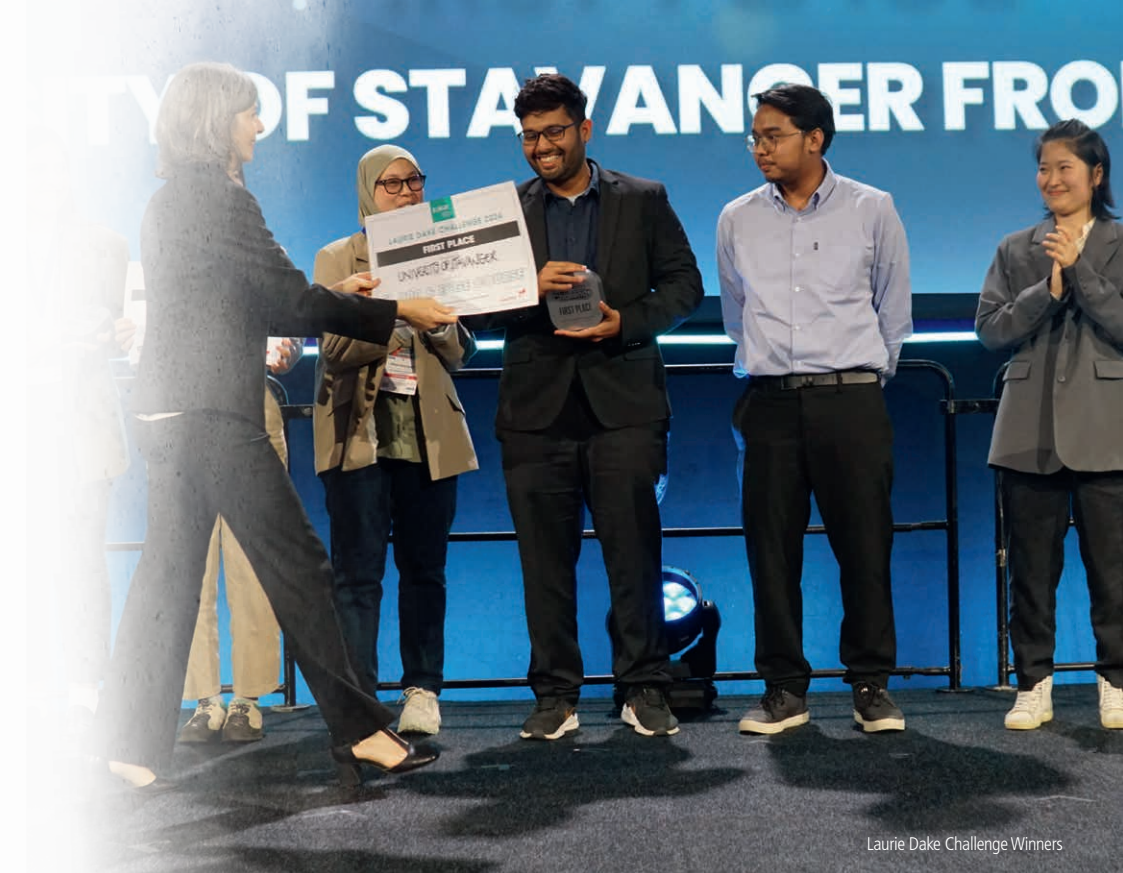
CEO & Founder at EMerald Geomodelling  
Chair EAGE NSG Circle (2024-2025)

## Student Activities

Students attending the Annual Conference engaged in activities to advance their academic paths, test their knowledge, and network with peers.

### Highlights:

- **Laurie Dake Challenge:** Student teams developed net-zero emission plans for the Volve field. Congratulations to the winning team from the University of Stavanger!
- **Student Field Trip:** An immersive beach trip at Huk allowed students to study geological features and various outcrops.
- **GeoQuiz:** A fun event where students showcased their geoscientific knowledge and skills.
- **Networking:** Local students in Oslo and student chapter representatives met for discussions and social interaction.



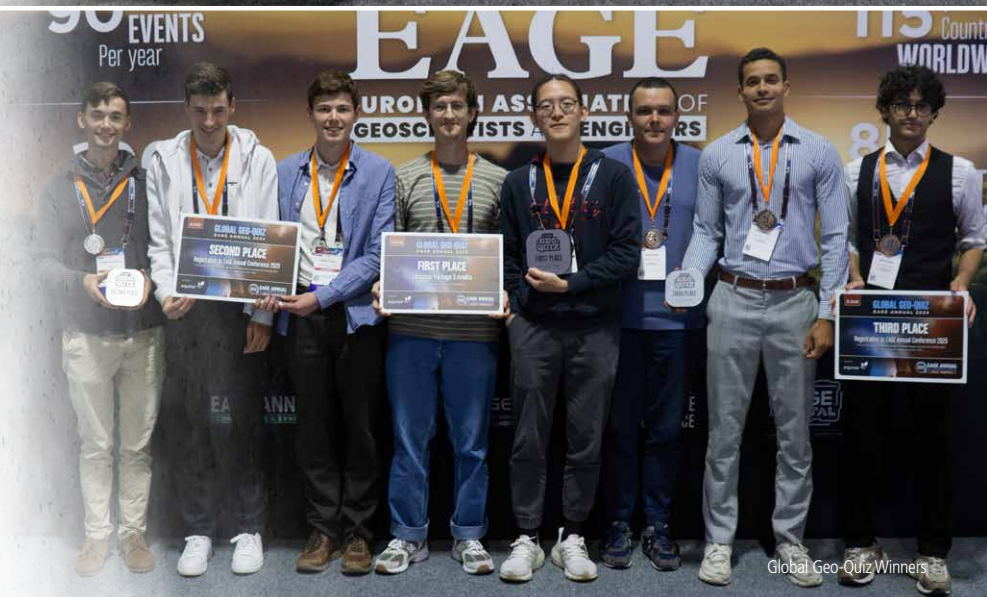
Laurie Dake Challenge Winners



'The student activities were incredibly enriching: I met remarkable people from different parts of the world, connected with various companies in the sector, and immersed myself in Norwegian culture. I would definitely participate again without thinking twice.'

*Lizbeth Moliliva Lozada*

Student at Universidad Nacional, Colombia



Global Geo-Quiz Winners



## Networking and Social Programme

The networking and social activities provided delegates with the opportunity to connect and engage with their peers in a relaxed setting beyond the conference sessions. The Icebreaker Reception set the perfect stage for initiating conversations and fostering connections, featuring live music and refreshments.

Partners and family members of delegates also had the chance to join the social activities, including the Accompanying Person's Tour. This tour offered a guided exploration of Oslo's historic and cultural landmarks, concluding with a visit to the National Museum and a delightful lunch, enriching their conference experience.

The Conference Evening, the largest in history with around 2400 attendees, offered scenic ferry views of Oslo, traditional Viking storytelling, Norwegian music, and lively entertainment across three museums, creating an unforgettable and engaging atmosphere.

98%

of attendees valued the **level of new contacts** made during the event



## The Place to be for Business

CGG utilized the Annual as the venue to **launch their new branding initiative, Viridien**. This rebranding underscores their commitment to innovation and sustainability, capturing the attention of delegates and setting a new tone for the company's future endeavors.

'This journey of adopting a new name and branding into Viridien began years ago when we repositioned the company into our core differentiated businesses of geoscience, earth data, and sensing and monitoring. We received approval from our shareholders about a month ago, in mid-May, to proceed with the new name. EAGE was a natural upcoming event where it made sense to unveil and share our new name and the rationale behind it.'

*Sophie Zurquiyah*

CEO Viridien

**TotalEnergies signed an agreement** to host the 86<sup>th</sup> EAGE Annual Conference & Exhibition in Toulouse, France in 2025.

'As we convene in Toulouse, a city celebrated for its history of innovation and its commitment to technological advancement, we encourage you to take full advantage of the opportunities to exchange ideas, build lasting connections, and contribute to the ongoing dialogue about our role in a world undergoing profound transformation.'

*Kevin McLachlan*

SVP Exploration, TotalEnergies  
LAC Chair EAGE Annual 2025



Another highlight of this year's conference was the announcement of a **significant merger between PGS and TGS**. This strategic move, unveiled at the Annual, aims to reshape geophysical and geological services by combining the strengths and expertise of both companies to offer enhanced industry solutions.



'The merger is structured to help our customers be more successful and more efficient in their exploration efforts. The combination of the two components will provide the market with leading players across all the important verticals within the geophysical industry.'

*Sven Borve Larsen*

Chief Financial Officer, TGS

'This morning, we heard the news from the UK regulator that they have given clearance for our transaction. That was the final step in moving forward with our merger. And I've got to say, what better timing! It means we get to announce that we are moving forward to create the world's biggest energy data company. And we're doing it here at one of the biggest conferences in the world for our industry. So that's fantastic news and really fortuitous timing.'

*Will Ashby*

Chief Integration Officer, TGS







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Geoinformatics (AUAG)  
Argeo  
ARK CLS Ltd  
Aspentech  
Association of Geophysicists and  
Environmentalists of Serbia (AGES)  
Atlas Fluid Controls  
Australian Society of Exploration  
Geophysicists (ASEG)  
Avalon Sciences Ltd  
Azerbaijan Society of Petroleum  
Geologists (ASPG)

### B

Baker Hughes  
Balkan Geophysical Society (BGS)  
Beicip-Franlab/IFP Energies nouvelles  
BGP Inc  
Bluware, a CMG Company  
Brazilian Geophysical Society (SBGf)

### C

Cegal AS  
CGG - Viridien  
China Oilfield Services Limited  
Chinese Geophysical Society (CGS)  
CVA  
Czech Association of Geophysicists  
(CAAG)

### D

Delft Inversion  
dGB Earth Sciences  
DMT  
DownUnder GeoSolutions  
Dynamic Graphics Ltd.

### E

European Geosciences Union (EGU)  
European Federation of Geologists (EFG)  
Earth Science Analytics  
Earth Signal Processing Ltd.  
EIF Geosolutions  
Eliis SAS  
EMGS ASA  
ENAGEO SPA  
Engenius Software  
EOST Strasbourg  
Equinor ASA  
Eriksfiord  
ET Works AS  
Evotec AS

### F

Febus Optics  
Fibron  
Fraunhofer ITWM  
Fraunhofer IWES  
Fugro

### G

Gem Systems  
Geo Ex Machina  
GeoActive

Geofizyka Torun S.A  
Geomind AS  
Geopartner Geofizyka  
Geophysical Insights  
Geophysical Technology  
GeoSoftware  
Geospace Technologies Corp  
Geosurveys  
Geoteric  
GeoTomo LLC  
Geotomographie GmbH  
Geovariances  
GK Processing Sp. z o. o.  
German Geophysical Society (DGG)  
GVERSE GeoGraphix

### H

Halliburton  
Hefei Guowei Electronics Company  
Limited  
HGS Products B.V

### I

Ikon Science Ltd  
InApril AS  
INOVA Geophysical  
INT Inc  
International Association for Engineering  
Geology and the Environment (IAEG)  
iSeis

### K

Kadme AS  
Katalyst Data Management  
King Fahd University of Petroleum  
and Minerals  
Kongsberg Discovery AS  
Kongsberg Satellite Services

### L

Leobersdorfer Maschinenfabrik GmbH

### M

MARAC  
MIND Technology Inc  
Moveout Data Services Ltd.

### N

NCS2030  
Nigerian Association of Petroleum  
Explorationists (NAPE)  
NiMBUC Geoscience  
Nissan Chemical Corporation  
North Sea Transition Authority  
Norwegian Petroleum Society (NPF)

### O

Oil and Gas Trainers' Association of  
Nigeria (OGTAN)  
OPENGOSIM LTD  
Oslo Society of Exploration Geophysicists  
(OSEG)  
Ovation Data Ltd.  
Ovun AS  
OYO Corporation

### P

PanTerra Geoconsultants  
PE Limited  
Petroleum Exploration Society of  
Australia (PESA)  
Petroskills  
Petrostrat  
PGS  
PJSC Ukrnafta  
Prores  
Prospectiuni S.A  
PXGEO

### Q

Qeye

### R

RadExPro Seismic Software LLC  
RealTimeSeismic  
REFTEK Systems Inc.  
Resman AS  
Rock Flow Dynamics  
ROGII Inc  
Romanian Society of Applied Geophysics  
(RSAG)  
Romanian Society of Geophysics (RSG)  
ROQC Data Management  
RPS Energy  
RT Clark

### S

S&P Global Commodity Insights  
S<sup>3</sup> - Smart Seismic Solutions  
SAE  
Saudi Aramco  
Saudi Geophysical Consulting Office;  
Global Geophysical Services Inc;  
Z-Terra; Geophysical Technology Inc.  
Scandinavian Visualization Society  
(ScanViz)  
Scintrex  
Seagate Technology LLC  
Searcher Seismic  
Seequent  
Seisgate AS  
Seismeq AS  
Seismic Image Processing Ltd  
Seismic Partner  
Seismik s.r.o  
Seismix  
Sensys  
Sercel  
Sharp Reflections  
Shearwater Geoservices Ltd  
Silixa Ltd  
Sinopec Geophysical Corporation  
SINTEF  
SLB  
SmartSolo Inc

Society of Exploration Geophysicists  
Japan (SEGJ)  
Solgeo Sri  
Sonardyne  
Sound Oceanics LLC  
Sound QI Solutions Ltd  
Spotlight  
Stiftelsen NORSAR  
Stryde Limited  
StudioX  
Subsurface AI inc.  
Suzhou Geophysical Deep Sensing  
Technology Co. Ltd  
SYRLINKS

### T

Task Fronterra Geoscience Limited  
TDI-Brooks International Inc.  
Tech Limit  
TEEC  
Teledyne Marine  
TERRASYS Geophysics  
TGS  
The EasyCopy Company  
Tianjin QuikSeis Equipment Co., Ltd  
Total Energies S.E  
TRE ALTAMIRA  
Troika International Ltd

### U

Ulimatec  
University of Alberta  
Verif-i Limited  
VSProwess Ltd

### W

Weihai Sunfull Geophysical Exploration  
Equipment Co., Ltd.  
Wintershall Dea AG

### Z

Zhaofeng Sensor Equipment Co Ltd.  
ZZ Resistivity Imaging Pty. Ltd.

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