



ROGRAMM



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5-8 JUNE 2023 | EAGEANNUAL.ORG



Welcome to VIENNA

It is a pleasure to welcome EAGE members and all those with an interest in the future of geoscience and engineering to participate in this year's EAGE Annual event in Vienna.

The theme of this Annual is 'Securing a Sustainable Future Together'. It recognizes the challenges and turmoil we face in the world today. That's why our focus is on the key issues of energy security and independence, a sustainable energy transition and how we all need to adapt our traditional ways of working and cooperation to address this uncertain future. With these topics heading our new Strategic Programme, the conference as usual showcases how the latest geophysical, geological, and engineering research, ideas and case studies have a vital contribution to make in the quest for solutions. We build on the high-quality Technical Programme delivered in Madrid and continue the discussion on increasingly relevant issues going forward such as decision quality and analysis, digitalization, partnerships and stakeholder engagement. Many of the best-attended technical sessions in Madrid covered the low carbon business areas e.g., CCS, CCUS, H2 storage, geothermal. We explore further these themes to include discussion on transferable skills and re-training/educating.

As chairman of the local advisory committee, I am really pleased with the team we have put together to help organize this event with strong representation from industry, academia, IOCs (big and small) and NOCs.

Many of you are already familiar with our host city of Vienna as a popular venue for a number of past EAGE Annual Meetings. It offers a major cultural experience for visitors based on the many majestic buildings of its imperial past, idyllic landscapes, and its association with the great classical composers of the eighteenth and nineteenth century. All this combined with all the amenities of a modern international city.

The Local Advisory Committee looks forward to welcoming you to Vienna to continue the crucial conversation on how we can work together to ensure an equitable and sustainable future.

Greg Rock VP Exploration, OMV E&P Chair, Local Advisory Committee



MONDAY 5 JUNE | 16:00 - 18:00

Opening Session

Leadership Interview

Opening Debate

ra in

EAGE Awards



Leadership Interview

OMV's Energy segment plays a crucial role in its transformation strategy for 2030. **Berislav Gašo**, the EVP Energy at OMV, will delve into the significance of hydrocarbons and how carbon businesses are securing a sustainable future.

Securing a sustainable future together

We have been witnessing a dramatic shift in the energy priorities of countries around the world with energy security and affordability rising to the top of the agenda over environmental sustainability concerns.

Our expert panel will outline the major factors influencing energy policies around the world and where this may lead; how we can progress urgent climate action while ensuring energy remains affordable and accessible for all; and how today's energy crisis will affect the pace of energy transition.

Panellists



Christina Verchere CEO OMV Petrom



Hugo Dijkgraaf CTO Wintershall Dea



Sophie Zurquiyah CEO CGG



Ayed Al-Qahtani Director of the Research Division OPEC



Andrew McBarnet Editor Emeritus EAGE



TUESDAY 6 JUNE | 10:00 - 11:00

Panel Discussion

Bringing frontier exploration back into the spotlight



Bringing frontier exploration back into the spotlight

While capital discipline remains strong, frontier exploration is once again attracting interest with potentially giant developments in prospect, notably offshore Brazil, Guyana, Suriname, Namibia and South Africa.

Our panel will discuss the background to this shift in oil industry exploration strategy and its implications. These regions are said to promise 'advantaged oil', i.e., large discoveries characterised by lower production costs, quality reservoirs and lower carbon intensity per barrel.

The panel will consider how these emerging opportunities can fit into national development and energy transition ambitions with the focus on the likely role to be played by NOCs and governments in developing these resources?

Panellists



Emmanuelle Garinet VP Exploration Africa *TotalEnergies*



Neil Hodgson VP Geoscience Searcher



Hans Kuehner Director International Exploration *Chevron*



Andrea Lovatini Director for Exploration Data & Geosolutions SLB



Graeme Bagley Head of Global Exploration and Appraisal Westwood Global Energy



Andrew Latham VP Energy Research Wood Mackenzie

TUESDAY 6 JUNE | 11:45 - 12:45

Panel Discussion

Redefining exploration success in the energy transition era



Redefining exploration success in the energy transition era

The path ahead for exploration remains difficult as the drive towards net zero accelerates. However, exploration still has a key role to play in meeting future demands for lower cost and lower carbon intensive hydrocarbon resources.

During this panel we will look at the factors which will define success for future resources including lead time, proximity to

market and emissions intensity. In addition, the increasing scrutiny from stakeholders in shaping exploration strategies will be discussed. along with the increasing emphasis on long term planning for the use of offshore fields in the context of CCS, hydrogen storage and offshore wind.

Panellists



Carel Hooijkaas EVP Acquisition TGS



Erling Vågnes SVP Subsurface Exploration Production International Equinor



Elizabeth Schwarze VP Global Exploration *Chevron*



John Ardill VP-Head of Global Exploration ExxonMobil Upstream



Greg Rock VP Exploration OMV E&P



Andrew McBarnet Editor Emeritus EAGE

TUESDAY 6 JUNE | 13:45 - 14:55

Panel Discussion

Near-field exploration strategies and successes



Near-field exploration strategies and successes

Infrastructure-led exploration (ILX) will continue to dominate the near future of exploration as companies seek to offset declines while managing risk and capital. This session will feature success stories of selected ILX campaigns followed by a panel discussion on ILX strategies, opportunities and limitations.

Panellists



Nathan Oliver EVP Sales & Services PGS



Mohd Redhani bin Abdul Rahman VP Exploration PETRONAS



Herwig Peresson Head of Exploration OMV Petrom



Jean-Christophe Navarre VP Exploration and EMNA TotalEnergies



Mohammad Dawas Manea Al-Ajmi Exploration Group Manager Kuwait Oil Company



Andrew Latham VP Energy Research Wood Mackenzie

WEDNESDAY 7 JUNE | 10:00 - 11:00

Panel Discussion

Innovating to a net zero future: A technological perspective



Innovating to a net zero future: A technological perspective

The oil and gas industry is facing increasing stakeholder scrutiny over greenhouse gas (GHG) emissions associated with core oil and gas operations. If the E&P sector is to maintain its prominent role in the global energy mix and protect its licence to operate, the pressure is on to substantially lower its carbon profile. Digitalization and broader forms of technical innovation are very much at the heart of these efforts. This panel will take a deep dive into the energy system of the future and the potential technological and innovation pathways that must be realised to meet the urgent challenges ahead.

Panellists



Kathrin Dufour SVP Digitalization & Technology Wintershall Dea



Markus Berghofer SVP Technology & Innovation OMV E&P



Chris Page VP Geoscience InCube CGG



Steeve Freeman Head of Energy Transition Strategy & Innovation, D&I SLB



Michael Wynne VP Upstream Solutions S&P Global Commodity Insights



Panel Discussion

Filling in the blanks -**Conditions for sustainable** net zero business models



Filling in the blanks - Conditions for sustainable net zero business models

The oil and gas industry has benefited from decades of highly profitable operations with enviable rates of return that investment in alternative energy has yet to match.

The panel will address the urgent issue of how companies and regulators can work together to create the conditions for a profitable economic environment to accelerate development of non-fossil fuel and climate change mitigation technologies. What are the legislative, regulatory and financial conditions necessary for success are questions to be answered and, more fundamentally, should oil companies in particular see investment in low carbon businesses as their obligation to operate in society?

Hilde Braut

Assistant Director.

Technology, Analysis

and Coexistence

Norwegian Petroleum

Directorate

Panellists



SVP Low Carbon Business OMV



Angelika Zartl-Klik Ann Robertson-Tait President GeothermFX



Berit Osnes EVP New Energy PGS



Herlinde Mannaerts-Drew VP Subsurface Transformation and CCUS RΡ



Andrew McBarnet Editor Emeritus FAGE



Integration: People, data, and technology



Integration: People, data, and technology

In an industry with sophisticated and robust technology with almost a century of innovation and development, specialization has been an advantage and a hindrance. Silos have allowed the energy industry to reach its current maturity and technology offering. They have been useful while having recognized downsides, such as barriers (sometimes intangible), repetition of work, loss of information, and often a limitation to our ability to properly utilize joint knowledge and passion

to build geological understanding and take the best business decisions. Integration and joint multidisciplinary effort may be enabling in a time when the industry is shrinking, big data and historic data is available with specialized analysis, and digitalization is revolutionizing workflows. This panel will start by assessing the status on integration, with perspectives from both service providers and operators. The conversation aims at challenging that status quo and guide the future.

Panellists



Helene Hafslund Veire Subsurface Manager, Seismic Reservoir Characterization Aker BP



Kristopher Innanen Director CREWES *University of Calgary*



Karim Ouragh Head of Geophysics Department *TotalEnergies*



Grant Byerley Global Chief Geophysicist *Neptune Energy*



Bertrand Theuveny Technical Director – Production Reservoir Performance Intervention SLB



Adriana Citlali Ramírez Chief Geophysicist and Technology Advisor TGS

THURSDAY 8 JUNE | 09:15 - 10:15

Director's Dialogue (by invitation only)

Stronger together -Partnering towards a sustainable future



Thursday 8 June | 09:15 - 10:15 | Room Brasserie

Stronger together - Partnering towards a sustainable future

The Director's Dialogue features a Chatham House rules discussion bringing together key stakeholders to discuss one of the crucial issues of our times, namely defining the role of the oil and gas industry in the era of ongoing energy transition. Most energy supply scenarios already acknowledge the value of natural gas production as a bridge to a fossil-fuel free world, and CCS, geothermal and hydrogen are obvious sectors where the skills, concepts and experience of the oil and gas industry should be invaluable. However, governments, regulators, and public opinion worldwide still have to be persuaded that the industry can be a vital part of the solution to achieving a sustainable energy transition and not the basic problem. We will focus on how the industry can best reshape its image and develop more constructive engagements with society.

Moderator



Oscar Abbink Director Energy Technology & Innovation S&P Global Commodity Insights 'It was a great opportunity for geoscientists and engineers to interact and exchange opinions about the impact of the energy transition. The new era we are heading to, there will inevitably be challenges ahead, but we came out of this conference with the idea that there will also be opportunity associated with all these new energies and these new trends.'

Foseba Murillas

Executive Director Exploration & BD, Repsol

THURSDAY 8 JUNE | 11:45 – 12:45

Panel Discussion

Geoscience at a crossroads: Preparing the workforce and skills for the future



Geoscience at a crossroads: Preparing the workforce and skills for the future

The session will investigate one of the key questions facing the geoscience and engineering community, namely how to provide a new generation with the skills to meet the needs of a world in rapid energy transition and where necessary retool the existing professional workforce. Our panellists will approach this major topic through the lens of three interrelated perspectives – industry, academia and government – to provide a holistic view of the issues and challenges offering their conclusions with a focus on attracting young talent and adapting the capabilities of senior professionals.

Panellists



Bruno Michel VP Geoscience & Reservoir TotalEnergies



Moath Al Rawi CEO ARGAS



Nick Ashton VP Technology Equinor



Maren Kleemeyer Learning Advisor Geoscience Shell



Reinhard Sachsenhofer Chair in Petroleum Geology Montanuniversität Leoben



Andrew McBarnet Editor Emeritus EAGE



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