OPENING HOURS SPEAKER SERVICE CENTERS

Sunday 1 June	07:30 - 17:00
Monday 2 June	07:30 - 17:00
Tuesday 3 June	08:00 - 17:00
Wednesday 4 June	08:00 - 17:00
Thursday 5 June	08:00 - 15:00
Friday 6 June	07:30 - 15:00

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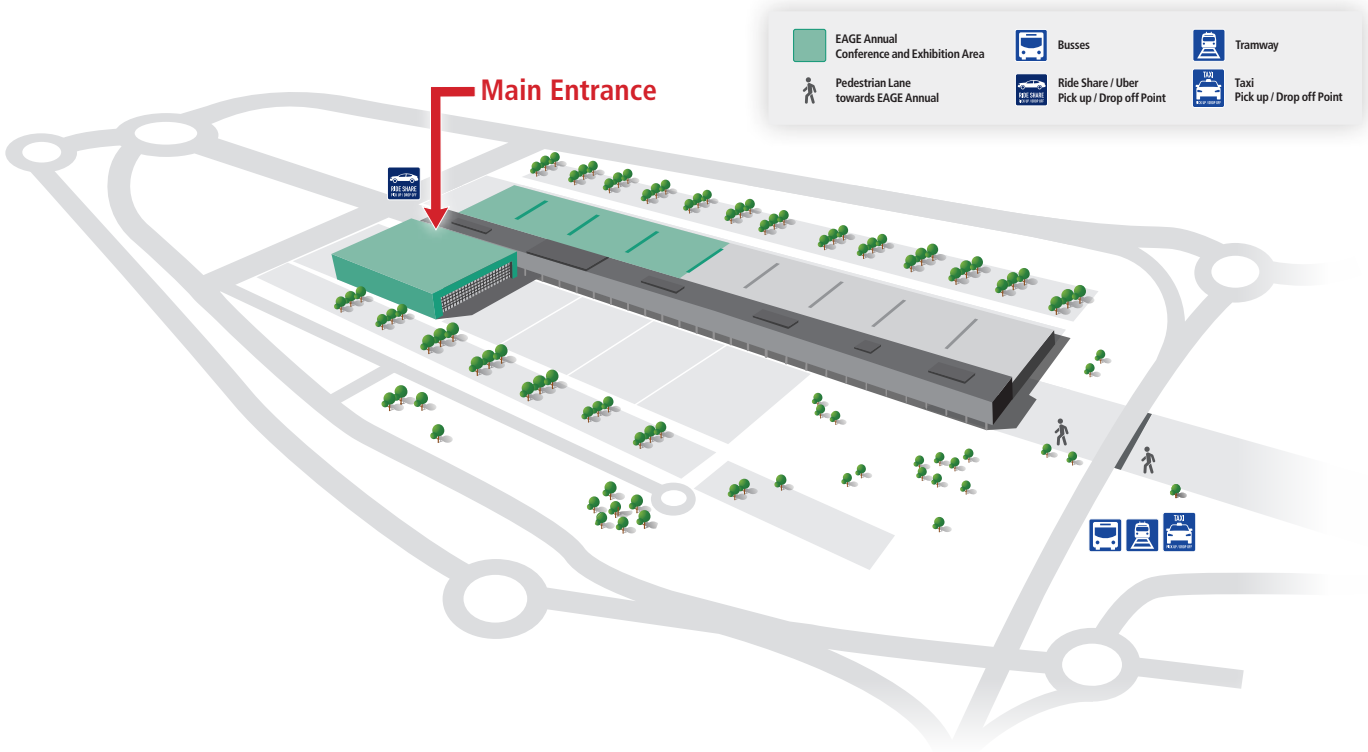
All times mentioned in this Programme & Catalogue are in the France time zone (CEST – Central European Summer Time).

PLAN OF THE VENUE



Health & Safety

Fire: If you see a fire and the alarms have not been activated, contact the nearest SSIAP (dressed in red), security officer, host, EAGE team member, or activate the nearest fire alarm. In the event of a fire alarm, calmly follow the evacuation lighting and instructions.

First Aid: First aid is provided by SSIAP personnel, who will be stationed throughout the venue and dressed in red. If you need assistance, please contact them or an EAGE team member. Depending on the severity of the medical emergency, they will either contact local emergency services and/or assist the person in need to the infirmary.

Phone contact for SSIAP at the MEETT
(please indicate you require assistance with a medical emergency):
+33 (0)5 32 53 11 00 or +33 (0)7 62 62 47 01

Nearest Hospitals:
Hôpital PURPAN – Pl. du Dr Joseph Baylac – 31300 Toulouse
Clinique des Cèdres – Route de Mondonville – 31700 Cornebarrieu
EAGE team members cannot give out medication or medical advice.

Other: "See Something, Say Something." If you observe anything suspicious, please contact the nearest security officer, SSIAP, or EAGE team member.

Upon arrival at MEETT on all event days, there will be 100% bag checks by security at the entrances.

Build Trust Through Mutual Respect and Integrity

At EAGE, our mission is to foster a culture of respect and safety. We invite every member, company, volunteer, and visitor to embrace these principles and contribute to a positive environment:

Show Respect: Treat everyone with kindness, courtesy, and fairness.

Stand Against Harassment: Commit to a harassment-free space, regardless of race, gender, nationality, age, disability, sexual orientation, religion, or belief.

Promote Safety: Refrain from intimidation, stalking, or any form of aggressive behavior.

Communicate Thoughtfully: Share ideas respectfully, keeping in mind our mission and diverse perspectives.

Maintain Professionalism: Ensure all interactions, formal or casual, reflect our commitment to professionalism.

Honour Integrity: Respect confidentiality, avoid misrepresentation, and uphold the contributions of others.

Feel free to contact the EAGE on-site support team (wearing the green Safe EAGE badge), call/message the dedicated number (+31 6 30 04 98 52), use our app, or fill in the online form to report unsafe actions.

EAGE ANNUAL SCHEDULE AT A GLANCE

SATURDAY 31 MAY 2025	SUNDAY 1 JUNE 2025	MONDAY 2 JUNE 2025	TUESDAY 3 JUNE 2025	WEDNESDAY 4 JUNE 2025	THURSDAY 5 JUNE 2025	FRIDAY 6 JUNE 2025
REGISTRATION						
Desk Open 14:00 - 17:00	**Desk Open** 07:30 - 17:00	**Desk Open** 07:30 - 19:30	**Desk Open** 07:30 - 17:00	**Desk Open** 08:00 -17:00	**Desk Open** 08:00 - 14:00	**Desk Open** 07:30 - 11:00
CONFERENCE						
		Opening Session 16:00 - 18:15	**Technical Programme** 09:00 - 18:00	**Technical Programme** 09:00 - 17:20	**Technical Programme** 09:00 - 18:00	
			Strategic Programme 10:40 - 16:00	**Strategic Programme** 09:00 - 15:20	**Strategic Programme** 09:00 - 13:20	
	Workshops 09:00 - 17:30	**Workshops** 08:45 - 15:45				**Workshops** 08:45 - 17:30
	Short Courses 08:30 - 17:00	**Short Courses** 08:30 - 15:45				**Short Courses** 08:30 - 17:30
	Field Trip 08:00 - 18:00	**Field Trips** 08:00 - 18:30				**Field Trips** 08:00 - 18:30
	Hackathon 09:00 - 18:00	**Hackathon** 09:15 - 15:45				
EXHIBITION						
		Exhibition Open 18:15 - 20:15	**Exhibition Open** 08:45 - 18:20	**Exhibition Open** 08:45 - 17:30	**Exhibition Open** 08:45 - 18:20	
			Digital Transformation Talks 10:20 - 15:20	**Digital Transformation Talks** 10:20 - 15:20	**Digital Transformation Talks** 10:20 - 15:20	
			Energy Transition Talks 10:20 - 17:30	**Energy Transition Talks** 10:20 - 15:30	**Energy Transition Talks** 10:20 - 15:20	
			International Prospecting Center 10:20 - 17:00	**International Prospecting Center** 10:20 - 17:00	**International Prospecting Center** 10:20 - 14:20	
COMMUNITY ACTIVITIES						
	Laurie Dake Challenge 09:00 - 16:00	**Community Hub Open** 18:15 - 20:15	**Community Hub Open** 09:00 - 17:30	**Community Hub Open** 09:00 - 17:30	**Community Hub Open** 09:00 - 17:30	
			Community Activities 09:30 - 17:30	**Community Activities** 09:30 - 17:30	**Community Activities** 09:30 - 17:30	
		Students Field Trip 08:00 - 12:00	**Student Activities** 09:00 - 16:00	**Student Activities** 09:00 - 16:00	**Student Activities** 09:00 - 16:00	
				Annual General Meeting for Members 13:30 - 14:30	**High School Programme** 09:00 - 12:30	
SOCIAL PROGRAMME						
		Icebreaker Reception 18:15 - 20:15	**Accompanying Person's Tour** 09:30 - 14:15	**Conference Evening** 19:30 - 23:30		

The schedule is subject to change. For the most up-to-date information, please refer to our website at www.eageannual.org or the event app.

One hundred years of oil and gas exploration in France

By Jean-Jacques Biteau, VP Exploration Total (2010-2015), former EAGE president (2017-2019)

France has petroleum ... and ideas.

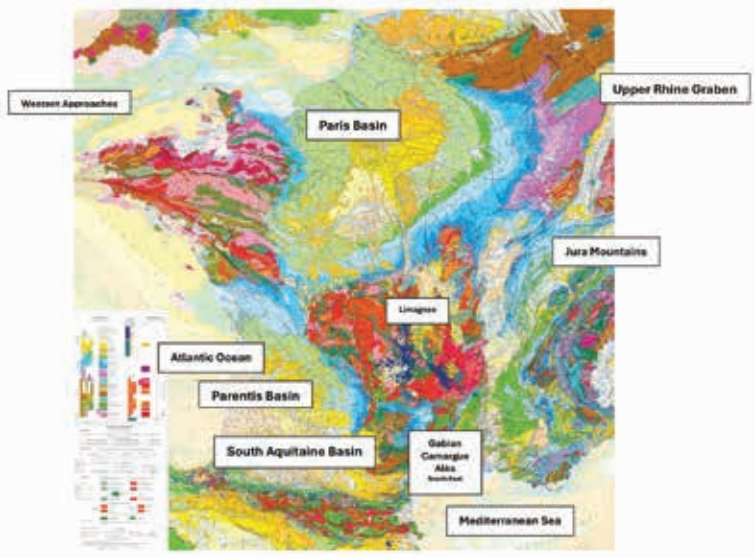
After the 1973 oil crisis, a famous advertising spot seen on French TV and in newspapers, stated: 'We have no petrol but we do have ideas'. In fact, domestic exploration efforts carried out over 100 years have resulted in identifying a total of 3 billion barrels of oil equivalent (boe) reserves mainly now produced. France has an oil history!

The reserves have come from a range of sedimentary basin settings:

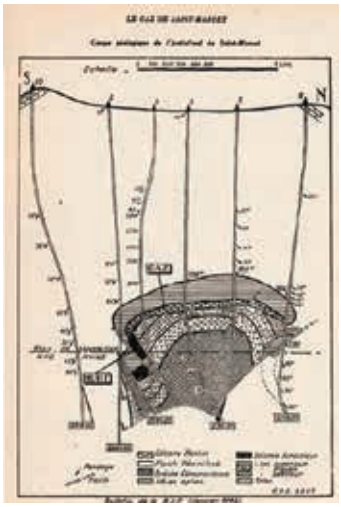
- Fold and Thrust Belts/Forelands in Jura-Alps and Aquitaine Basin (Northern Pyrenean foreland)
- Intra-cratonic Paris Basin, the largest one with 180 000 km^2
- Tertiary rift systems : Upper Rhine Graben, Limagnes, Alès and Camargue Basins
- Cretaceous rift systems (South Aquitaine and Parentis basins, Western Approaches).

Early history

Upper Rhine Graben was known for its oil seepages since the mid 15th Century. In the second half of 19th century up to the late 1960s, Pechelbronn oil sands were exploited through mining and shallow wells (2P Reserves of 25 Mbo). In the mid 19th Century, oil was produced by pyrolysis of Permian oil shales (quarries-mines) in Autun (7 Mbo from 1860 to 1957). In 1906 a well searching for coal/salt discovered a small shallow (220 m) gas discovery at Vaux-en-Bugey on the Jura Mountains edges.



France Sedimentary Basins (BRGM Geological map).



Saint-Marcet, the Aquitaine first hydrocarbon field a Pyrenean caprock trap (RAP document).

In the mid 1920s the creation of Office National des Combustibles Liquides (ONCL) helped by university experts led to the funding of drilling projects in five areas, mainly surface anticlines and surface oil shows resulting in: Four dry wells near Clermont-Ferrand oil seepages (Limagnes cenozoic rift); Gabian shallow oil field (70 m depth, 0.2 Mbo produced) in 1924 near Fount de l'Oli famous oil seepage; Dry well on the Paris Basin 'Bray' unique surface structure in 1927; Dry well on Pic Saint-Loup anticline near Montpellier in 1938 ; Saint-Marcet-1 gas discovery (275 BCF) in 1939 on an anticline of the so-called Petites Pyrénées, into a Cretaceous-Jurassic carbonate section tested at 1500 m depth (180,000 cm/ day).

After WW2, exploration permits were granted in the Aquitaine basin to ExxonMobil and two newly established French state companies: Régie autonome des pétroles (RAP) was in charge of Saint-Marcet and vicinity, Société nationale des pétroles d'Aquitaine (SNPA) operated the western foreland and ExxonMobil its northern part, Landes to Gironde River area. In 1949, the Upper Lacq shallow heavy oil field was discovered by SNPA west of Pau in Upper Cretaceous carbonates (2P Reserves 30 Mbo) confirming the real O&G potential of the North Pyrenean foreland basin.

Aquitaine and Paris Basins exploitation in 1950s

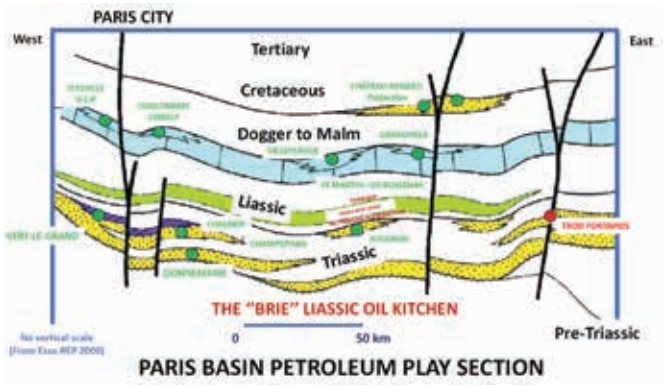
Lacq area**:** It was decided to deepen an appraisal well (Lacq-3, in 1951). After penetrating an Aptian-Barremian carbonate section with gas shows at 3150 m, a violent gas kick occurred during coring operations. A high content of H2S (>10%) and CO2 was the reason for the very rapid corrosion of drill pipes and the resulting kick. The gas flow would be controlled, flared and then stopped after a couple of months, thanks to oilwell fire specialist Myron Kinley called in from the USA. Thanks to the financial support of the French Government, after successful appraisals and the construction of a high-capacity desulphurization plant, the field came on stream in 1957, a major achievement six years after Lacq-3.

Landes area: ExxonMobil drilled Parentis-1 in 1954 and discovered oil (32°API, low GOR, 2100 bbls/day) in a Barremian carbonate layer at 2250 m depth. The huge Parentis field (250 Mbo 2P reserves) was appraised and developed during the 1950s.
A study of the Paris Basin exploration potential was carried out in 1951 by IFP (Institut Français du Pétrole). In 1953, an updip well on the Bray structure found a non-commercial but encouraging oil accumulation in Dogger carbonate reservoirs. In the mid 1950s, after licensing blocks in the Paris Basin, the challenge was to obtain reliable images of the subsurface. In 1958-1959, five modest discoveries followed in Dogger carbonates, Rhaetian and Neocomian siliciclastics, the first one being Coulommes discovered by Petrorep (16 Mbo).

Aquitaine Basin: In the late 1950s and early 1960s, ExxonMobil resumed its Parentis success story with Cazaux discoveries in clastic Albian turbidites and Neocomian fluvial sandstones.
The mid 1960s in the South Aquitaine Basin saw seismic improvements led by SNPA to identify a possible truncation below the Upper Cretaceous erosional surface, down to the Tertiary so-called Meillon anticline just south of Pau. The Meillon-1 well made a big gas discovery of 2 TCF 2 P reserves in Upper Jurassic dolomites.
Along with the deep Lacq-Meillon in the South Aquitaine basin and Parentis-Cazaux in the North Aquitaine Basin (then called Parentis Basin), most of the Aquitaine basin history was written.
In the 1970s, Pecorade (20 Mbo), Vic Bilh oil and gas fields (35 Mbo) and mid 1980s, Lagrave (28 Mbo) were discovered, all operated by Elf Aquitaine.

Later in the Paris Basin

With small columns (10-20 m/max 100 m) and poor seismic resolution, exploration remained much more difficult. The larger fields discovered in the mid 1980s resulted from improved seismic acquisition (vibroseismic) plus processing improvements and the building of extensive static correction databases. In 1982, Eurafrep (IPC) found the Trois-Fontaines commercial gas field (100 BCF) in Lower Triassic sandstones. In 1983, ExxonMobil discovered the Chaunoy oil field (90 Mbo 2P reserves) in Triassic continental sandstones, thanks to advanced statics processing.
In 1982-1986, the 55 Mbo 2 P Reserves Villeperdue Dogger carbonate oil field (the second largest in the Paris Basin) was discovered by Total and appraised, surprisingly as a stratigraphic trap with lateral updip sealing facies. South of Paris, a seismic survey acquired in 1986 on the Paris City licence followed by a deviated well drilled below Paris suburbs yielded a small Triassic oil field in 1988 (Ivry-101D).



Synthetic view of the Paris Petroleum Systems.

Seismic vibrator trucks on the Paris Champs Elysées in 1986 (Elf Aquitaine).

Offshore and other disappointments

Offshore, over 53 wells from the mid 1960s to mid 1980s (Atlantic Ocean, Western Approches and Mediterranean Sea) could only locate two non-commercial fields in the Parentis Basin offshore extension (Castor and Antarès). Results were also poor in Jura, South-East, and the Alsace Basin. Small discoveries were made in the 1950s and 1960s in Jura, six Triassic gas fields (5.4 BCF cumulated 2P reserves), and in the Camargue-Alès basins (0.25 Mbo in Oligocene reservoirs). Despite significant exploration efforts in the Upper Rhine Graben (270 wells) only 7 Mbo 2P reserves were added to the existing Pechelbronn.

Final push

The last discoveries in France were Itteville (1990), a stratigraphic trap found by Elf Aquitaine in the Paris Basin, and the 'Arcachon' Neocomian small fields pool in 1991 by ExxonMobil/Elf Aquitaine in the Parentis Basin. In the late 1990s and early 2000s, Elf Aquitaine (now TotalEnergies) and ExxonMobil decided to withdraw and sell all their licences to Lundin-IPC and Vermilion.
In addition to production optimisation, these operators have drilled successful near-by exploration and infill/horizontal wells minimising production declines over the past 20 years. In the late 2000's and early 2010s, production tests on shales delivered poor results insufficient to rule definitely on their prospectivity before fracking was banned by the French Parliament in 2011.

France's production record

135 fields totalling 3 Bboe 2P Reserves have been discovered in France – of which gas amounting to 11,75 TCF mainly in the Aquitaine Basin and oil (920 Mbo in Paris and Aquitaine basins, respectively 345 and 535 Mbo). Current oil production rates from brown fields total 11,000 b/d (Aquitaine, Paris and Alsace). Since the decision to stop Lacq commercial gas production in 2013, four or five wells are still kept flowing gas for sulfur chemical activities and the associated gas produced from oil fields.

Future value

French sedimentary basins remain fruitful petroleum examples for practical courses on petroleum and basin geology/field trips, thanks to excellent outcrops, and also have relevance in the energy transition era. All subsurface data gathered through 100 years of exploration may prove relevant for hydrogeology studies, the geothermal industry and potentially for diverse storage projects such as carbon capture and storage.

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SPONSORS *as of 28 April 2025*

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Workshops Package	Lanyards	Senior Executive Managers' Programme
Dedicated Student Sponsor	Energy Transition Area / Digital Transformation Area Sponsor	International Prospecting Center
Recharge Points Sponsor	Delegate Package and Water	Registration, Badges, Footsteps & Decals Sponsor
Supporting Organisation	Student Programme Main Sponsor	

Welcome to TOULOUSE

EAGE PRESIDENT WELCOME MESSAGE

One of the great privileges of being EAGE president is that I have the pleasure of being able to invite members and all those interested in our disciplines and community to the Annual Conference & Exhibition, the 86th in our history.

This year we are in Toulouse for the first time, although French cities have hosted us many times in the past. We can therefore look forward to drawing inspiration from a city of world-renowned high tech and scientific research, not to mention its access to outstanding culture and geography.

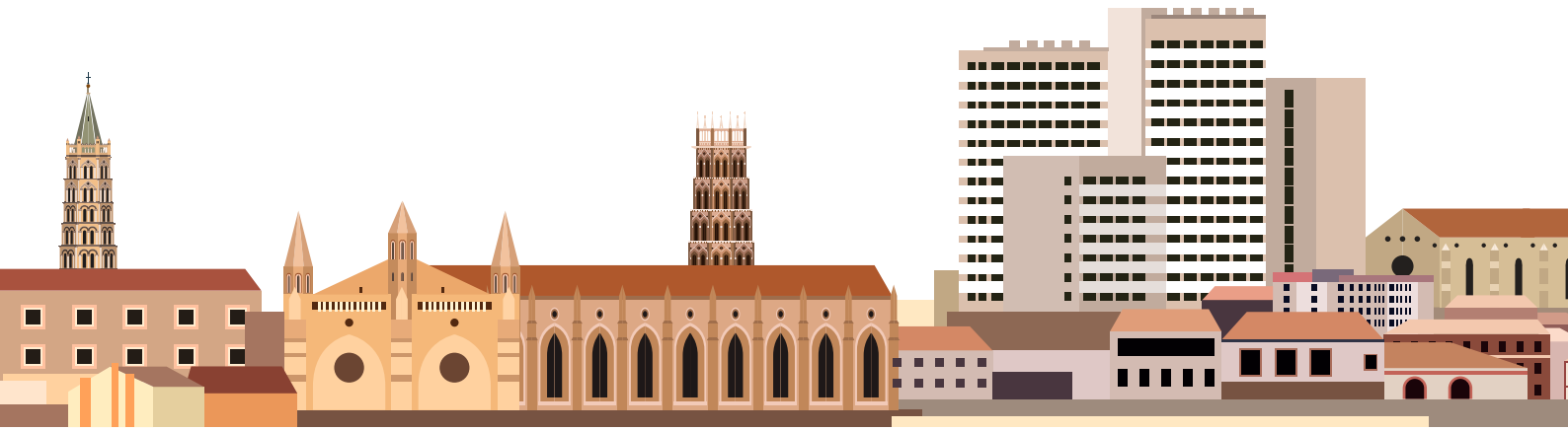
Inspiration we will need. It has never been more urgent for our association to focus on exploring science and technology solutions to meet future global energy scenarios. Translating energy transition away from fossil fuel dependence into reality is the indisputable challenge of our era, and one that EAGE has been at the forefront in confronting. Our Annual offers an important juncture in the quest for a more sustainable world where we provide an environment for all our many disciplines to come together, also respecting the true diversity of our membership.

As ever, the Annual delivers a world-class programme centred on the Technical Programme covering every relevant topic in geoscience, engineering, and energy. The accompanying Exhibition is supported by major companies and institutions working in our field; it also provides a hub for showcasing EAGE initiatives and a meeting point for our Technical and Special Interest Communities. Planned around the main events are our usual series of workshops, short courses, hackathon, and field trips. Our events team has organised excellent complimentary transport options to make access to the venue as easy as possible.

I am particularly looking forward to the Conference Evening part of the Social Programme, always a highlight, at the Victor Hugo Market. This is a moment to pause in a convivial environment, meeting old friends and new, before returning to the serious tasks ahead.

May I thank our many sponsors for making this great event possible, especially host sponsor TotalEnergies, and wish everyone a rewarding and enjoyable visit to Toulouse.

Laura Valentina Socco
EAGE President 2024-25



EAGE CEO WELCOME MESSAGE

With great enthusiasm and appreciation, I welcome you to this inspiring gathering—an event designed to spark ideas, foster collaboration, and open doors to new possibilities. This is more than just a conference; it's a shared journey of discovery, learning, and progress.

This year, we come together in the heart of Toulouse, a city renowned for its leadership in aeronautics and space exploration. With the invaluable support of our sponsor, **TotalEnergies**, we are set to deliver an event that is both enriching and unforgettable.

At the core of our gathering is a theme that could not be more relevant: **'Navigating Change: Geosciences Shaping a Sustainable Transition'.** As the world shifts towards a more sustainable future, geosciences stand at the forefront — driving innovation, tackling environmental challenges, and shaping a responsible energy transition.

Our programme features an exceptional lineup of geoscientists, engineers, and industry leaders who are pioneering solutions to both immediate and long-term energy challenges. Their knowledge, dedication, and collaborative spirit form the foundation of progress. We are also proud to showcase our latest contributions to scientific research through our new journals: ***Geoenergy, Exploration Geophysics,*** **and** ***Peer Review Magazine,*** expanding the reach of high-quality content and new discoveries.

I encourage you to fully engage — seek fresh perspectives, forge new connections, and strengthen the bonds that make this community thrive. The future is not something we wait for; it's something we create together.

Welcome, and let's build it!

Marcel van Loon
EAGE Chief Executive Officer

LAC CHAIR WELCOME MESSAGE

Dear Colleagues, Partners & Friends,

It's my pleasure to welcome the global geoscience and engineering community to the 86th EAGE Annual Conference & Exhibition 2025 in the dynamic French city of Toulouse. The theme for our flagship event is 'Navigating Change: Geosciences Shaping a Sustainable Transition'. This reflects the challenge of navigating the energy transition in which our disciplines and professionals have a crucial role to play if we are to achieve a sustainable and resilient future.

Our conference is intended to evaluate what progress we have made so far and explore the technology developments and all the possibilities which can accelerate the advance to Net Zero. We hope once again to provide a world-class programme designed to inspire and engage, featuring keynote presentations from renowned experts, in-depth technical sessions, hands-on workshops, and a comprehensive exhibition showcasing the latest in geoscience technologies, especially involving oil & gas decarbonization initiatives, CCS, renewables and infrastructure geosciences domains. Whether you are presenting research, networking with industry peers, or discovering new trends and tools, we are confident that there will be something of value for you.

As organisers, we must acknowledge and thank our sponsors and exhibitors for their contribution to making such a comprehensive event possible, something I am sure delegates and visitors will appreciate.

As we convene in a city renowned for its history of innovation and its commitment to technological advancement, we encourage you to take full advantage of the opportunities our event provides for the exchange of ideas, building lasting connections, and contributing to the ongoing dialogue about our role in a world undergoing profound transformation. We are not just responding to the changes around us, but are actively shaping the future of our planet.

Kevin McLachlan
SVP Exploration, TotalEnergies
Local Advisory Chair for EAGE Annual 2025

LOCAL ADVISORY COMMITTEE

Kevin McLachlan
TotalEnergies
Local Advisory Chair,
EAGE Annual 2025

Gautier Baudot
TotalEnergies
Deputy Conference Chair

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Guillaume Caumon
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Renaud Toullec
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Michael Wynne
S&P Global Commodities Insights

Martin Widmaier
TGS
EAGE Technical Programme Officer

EVENT APP

Access the EAGE Event App to enhance your event experience. Scan the QR code to download the app now.
Event code: **ANNUAL2025**

Downloading the app allows you to:

- Check the latest Conference & Exhibition schedule
- Create your own personal agenda
- Utilize the AI Chatbot
- View extended abstracts
- Explore the floorplan and exhibitor listings
- Connect with other delegates
- Link with social media platforms
- Plus, many other features!

To access more features in the App, such as your personal agenda and messaging services, click on "Log In" and enter the email address and pin code provided in the **"Be Well Prepared"** email you received prior to the event.

EAGE Annual 2025 AI Assistant

To help you easily navigate the conference and plan your sessions, including programme updates and FAQs, we have an AI assistant available through the event app and website.

How the AI Assistant Can Help You

- **Complete Event Schedule:** Instantly access session times, locations, and details.
- **Speaker Insights:** Discover key speakers and delve into their presentation topics.
- **Programme Updates:** Keep up-to-date with the latest event highlights and news.
- **FAQs & Venue Information:** Find all you need to know about transport options, venue details, and more.

IMPORTANT INFORMATION

Wi-Fi
Free Wi-Fi is available at the Exhibition and in the Conference areas.
Wi-Fi Network: EAGE2025
Password: EAGE2025

Cloakroom and Lost & Found
The cloakroom is situated adjacent to the Registration Desk. Lost & Found items can also be retrieved at the Registration Desk.

Prayer Room
A dedicated prayer room is available in Pavilion 11, located in the courtyard between the registration desk and the entrance to Hall 7.

Lactation Room
A lactation room has been set up in Pavilion 11, located in the courtyard between the registration desk and the entrance to Hall 7.

Refreshment Points and Seating Areas
Refreshment points and seating areas are available in the Exhibition Hall and Technical Programme area, providing you with a chance to relax and enjoy free Wi-Fi while sipping on a delicious cup of coffee, tea, or water. For exact locations of the Refreshment Points, please refer to page 31.

Accompanying Persons
We welcome partners and family members of our delegates to join us in Toulouse. All registered accompanying persons have access to the Opening Session, Exhibition (including Coffee Points and Afternoon Drinks) and Social Programme (Icebreaker Reception, Conference Evening and Accompanying Persons' Tour).

Credentials
All attendees are required to wear their name badges at all times. Use of a badge by a person not named on the badge is grounds for confiscation.

Photo & Video Regulations
EAGE strives to bring you the latest, greatest scientific and technical advances. Due to the importance of the technical content, EAGE upholds a photography and videography policy, in an endeavour to protect these cutting-edge technologies.

Please note that the recording, photographing, live streaming or otherwise capturing of the technical sessions and exhibition area are strictly forbidden. This restriction applies to all attendees: delegates, presenters and exhibitors. Exceptions are only permitted after approval of the EAGE Technical Programme Team (for the technical session rooms, poster area) or the EAGE Exhibition Team (for the exhibition area).

Transportation in Toulouse
In collaboration with the Toulouse Convention Bureau, we are offering a **COMPLIMENTARY PUBLIC TRANSPORT CARD** to all attendees, which can be collected during badge pick-up. The card provides full access to Toulouse's public transportation network, encouraging participants to use this eco-friendly option, easing congestion, thereby meeting the conference's commitment to sustainability. To complement the existing public transport system, shuttle buses will be available from Monday to Thursday from Monday to Thursday to enhance capacity. Shuttle buses will run every 10 minutes from Toulouse Bus Station (68–70 Bd Pierre Semard, 31500 Toulouse) directly to the MEETT, with no stops. Travel time is 25–45 minutes, depending on traffic.

Scan to learn more

Catering Options at the Venue
Complimentary coffee, tea, and water will be available at designated refreshment points, marked on the venue floorplan. Cafés, restaurants, and food trucks onsite will also offer drinks, snacks, and lunch for purchase throughout the day. For exact catering locations, please refer to the floorplan, and check the event app for opening times and further details.

Social Media

Dive into the social side of EAGE Annual 2025!
We encourage you to post your event photos and thoughts using the hashtag **#EAGEANNUAL2025**. This is a great way to connect with fellow attendees, share your insights, and highlight memorable moments from the conference.

EAGE Annual 2025
HIGHLIGHTS

OPENING CEREMONY

Monday 2 June 2025 - 16:00 - 18:15 | PLENARY ROOM

Leadership Interview

In 2024, TotalEnergies celebrated its 100th anniversary. Over the years, the company has evolved into an international organization that is actively involved in addressing the global energy challenges of the 21st century. Kevin McLahlan, SVP Exploration of TotalEnergies, will discuss the company's ambition to be a major player in the energy transition and the ways in which they are leveraging their pioneering spirit and technological capabilities to meet the ever evolving energy challenges.

Opening Ceremony Debate

Navigating Change: Geosciences Shaping A Sustainable Future

The energy market is set to shift toward renewables over the next decade, driven by climate goals, societal change, and technology. Though oil and gas will decline, geoscientists will remain key to shaping energy's future through their understanding of the earth and resource use. Our expert panel will explore the future landscape, from economics and technology to geopolitics and societal attitudes.

Keynote Presentation

Scott Tinker
Chairman, Switch Energy Alliance
Chief Executive Officer, Tinker Energy Associates

A New Energy Path for the 21st Century

To lift all humans into energy and economic prosperity by 2075 will involve tripling today's global energy consumption. This will accelerate economic expansion, which, counterintuitively allows for increased investment in environmental protection. Although all forms of primary energy will grow, nuclear and natural gas will begin to replace coal and oil as the dominant foundational energies. Opportunities exist for deep engagement of students and professionals.

Awards Ceremony

ACHIEVEMENT AWARDS WINNERS

Arie Van Weelden Award 2025
Chao Song and Myrto Papadopoulou

Conrad Schlumberger Award 2025
Tijmen Jan Moser

Alfred Wegener Award 2025
Hugh Daigle

Honorary Membership Award 2025
Luigi Zanzi

Desiderius Erasmus 2025
Carlos Torres-Verdín

Best Paper Award winners

Nigel Anstey Award 2025
Isabel Espin and co-authors

Ludger Mintrop Award 2025
Huamei Zhu and co-authors

Norman Falcon Award 2025
Nigel H. Platt and co-authors

Robert Mitchum Award 2025
Amando P. E. Lasabudan and co-authors

Loránd Eötvös Award 2025
Stephen Secker and co-authors

Rosemary Hutton Award 2025
Catherine M. Gibson-Poole and co-authors

Guido Bonarelli Award 2025
Ran Bachrach and co-authors

Conrad Schlumberger Award – Some Thoughts

by Tijmen Jan Moser

Dutch scientist Christiaan Huygens (1629-1695) wrote in his last book, Cosmotheoros, "There are many degrees of Probable, some nearer Truth than others, in the determining of which lies the chief exercise of our Judgment." This is precisely the challenge we as geoscientists face in our daily practice. The data are often inaccurate, insufficient, or inconsistent, sometimes all in one. Every dataset is a puzzle. What is signal, what is noise? What is real, what is an artefact? Finding answers requires mathematical skills, physical interpretation, and geological intuition.

I am deeply honoured to receive the Conrad Schlumberger Award from the EAGE. This recognition is not only for my work but for the scientific spirit that drives geophysics forward. Looking at the long list of past recipients, I feel privileged to stand in an almost endless line of researchers who have tackled the data challenges and contributed so much to our understanding of the subsurface.

I would like to thank my friends and colleagues over the years—too many to mention, but you know who you are—whose support and collaboration have always been essential. I also want to thank my friends at *Geophysical Prospecting* who have helped make it the flagship journal of the EAGE that it is today, publishing the best in primary research on the science of geophysics as it applies to the exploration, evaluation and extraction of earth resources.

To those starting their careers: curiosity is essential. Ask questions, challenge assumptions, and seek to understand the underlying processes. Be critical and verify surprising results before jumping to conclusions. Again quoting Huygens: "Certain theorems can be retained, the rest can be given to the volcano". Geophysics is not just a set of methods; it is a way of thinking. It is a field for those who enjoy complexity. The past Schlumberger recipients have pointed the way and assigned tasks to us. When you discover something new, you will be alone; always consider publishing your results and sharing them with colleagues. While the focus of geoscience is shifting from oil and gas to geothermal energy, carbon storage, and mineral exploration, geoscience will always be needed. Reassuringly for us, there will always be new puzzles to solve.

SOCIAL PROGRAMME

Icebreaker Reception

Monday 2 June - 18:15 - 20:15 | Hall 5, 6, 7

Following the Opening Ceremony, the Icebreaker Reception offers the perfect opportunity to kick off the week and celebrate the start of the EAGE Annual 2025. Taking place in the exhibition area, attendees will enjoy a selection of drinks and a specially curated menu featuring the authentic flavors and culinary traditions of the Occitanie region, showcasing the essence of Toulouse.

Accompanying Persons' Tour

Tuesday 3 June - 09:30 – 14:15 | Toulouse Treasures: A Walking Tour of Monuments and Gourmet Tastings

We'll kick off the tour with a 2-hour guided walk through Toulouse. Discover the history behind key landmarks like Capitole Square, Saint Sernin Basilica, the Garonne river, and the Couvent des Jacobins. The tour ends at Hôtel Les Capitouls. Afterwards, enjoy an immersive cheese experience designed as a sensory and cultural game, followed by a delicious lunch at a local restaurant.

Conference Evening

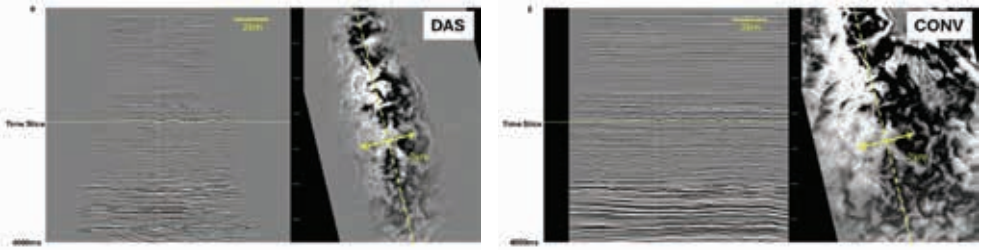
Wednesday 4 June - 19:30 – 23:30 | Victor Hugo Market

The conference evening provides you with a unique opportunity to immerse yourself in the cultural and culinary delights of Toulouse at the historic Victor Hugo Market. Exclusive to conference attendees, the event features the architectural elegance and vibrant atmosphere of France's oldest covered market. Indulge in an unlimited selection of southern French cuisine, including savory charcuterie, cheeses, and sweet pastries, all complemented by a fine assortment of local wines and craft beers. This event is set to be a highlight of the conference, providing an opportunity to experience Toulouse's renowned culinary offerings and engage with fellow attendees in an iconic setting.

Distributed Acoustic Sensing (DAS)

A low-cost technology for active and passive seismic monitoring based on surface fiber optic networks

***DAS** uses a laser to measure the small deformations that occur along an optical fiber over time due to the arrival of seismic (sound) waves. In practice, it can turn any optical fiber cable into a recording seismic system and replace conventional technologies (streamers and nodes) by low-cost permanent reservoir monitoring for CO_2 storage and oil and gas fields.*



Raw **DAS** recordings are lower quality than those from conventional systems, but DAS recording points are also more spatially dense, allowing significant data improvement in processing. TotalEnergies' R&D teams are currently focusing on various seabed DAS pilots to demonstrate that sufficiently good seismic quality can be obtained for reservoir monitoring while understanding what influences data quality.

A focus has been acquiring DAS data from the Permanent Reservoir Monitoring *(PRM)* system at Ekofisk in the Norwegian North Sea *(operated by ConocoPhillips on behalf of the PL018 partnership)* which allows simultaneous recordings of reference conventional seismic data. The successive pilots are taking advantage of the frequent 4D seismic acquisition *(twice a year)* occurring in this field.

Improvements made over several pilots have resulted in seismic images from DAS which are becoming close in quality to conventional sensors' images, giving us confidence in this low-cost monitoring technology. As the DAS network is permanently installed at the seabed, additional microseismic monitoring can be conducted at very low additional cost outside of the active seismic shooting period. This is a very convenient solution for CCS monitoring where inexpensive solutions have to be put in place for continuous caprock integrity monitoring.

The next step is to demonstrate that this seabed DAS technology can also provide valuable information for 4D reservoir monitoring with data of sufficient quality to make business decisions. If installation costs of such networks can also be reduced, seabed DAS will be an attractive monitoring solution for both O&G and CCS applications.

TotalEnergies acknowledges the PL018 Partnership *(ConocoPhillips Skandinavia AS, Vår Energi ASA, Sval Energi AS and Petoro AS)* for permission to show the Ekofisk data and support.

4D Seismic Monitoring

The secret to a successful 4D monitoring campaign in a difficult carbonate context

4D seismic is one of the most powerful tools in the development and monitoring toolbox for any geoscientist. Its sensitivity to reservoir and overburden effects over a production timescale is indispensable for the effective monitoring of many oil and gas fields. That said, these reservoir effects can be subtle and to eke them out of the data requires careful intentional processing and characterisation.

It has been long thought that 4D seismic in carbonate-dominated settings, due to their complex geologies, was infeasible and would results in non-useable data. Indeed, traditional processing flows and characterisations have shown at best that it is very difficult in such areas. One of the key bottlenecks to processing these data was the quality control (QC) of said processing. To date standard QCs are used such as well ties and 4D attribute maps. They often offer little value in determining processing steps implying similar performance between different options (*e.g. different demultiple technologies*) in these complex carbonate settings.

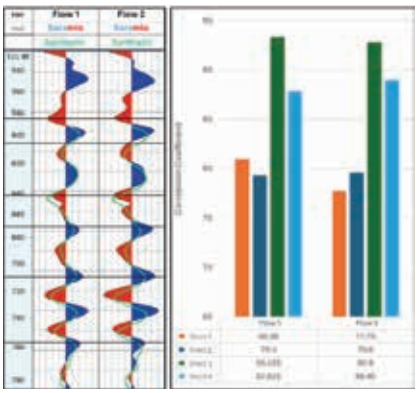


Figure 1

In keeping with our Pioneer Spirit at TotalEnergies, we have developed a new 4D compliant approach to 4D processing quality control. Now, as part of the QC at various key steps of the processing chain (*e.g. demultiple, migration, etc.*) we invert our 4D data via joint inversion (*timeshift and amplitude*) and compare the results. The example here shows two different demultiple options: Flow 1 & 2. The standard QCs offers little insight as to which is better for Flow 1 vs 2 (*Figure 1*).

Conversely, our new "4D inversion QCs" show clear performance benefits between different processing options (*Figure 2*). Flow 2 clearly generates far noisier results than Flow 1 – it is thanks to this approach we were able to select the best possible demultiple tool for the job (*amongst several other processing steps*). This enables us to be sure we are always opting for the best 4D processing steps for our data allowing significant uplift of the data and ultimately its 4D characterisation and interpretation. Without such advancements in our QC approach, we would not have been able to achieve useable results for this complex carbonate-dominated setting.

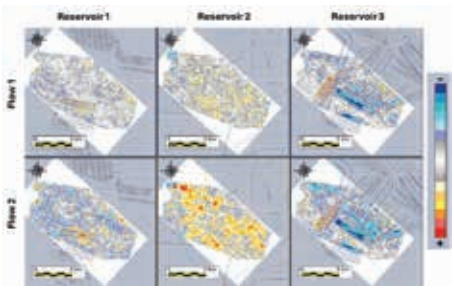
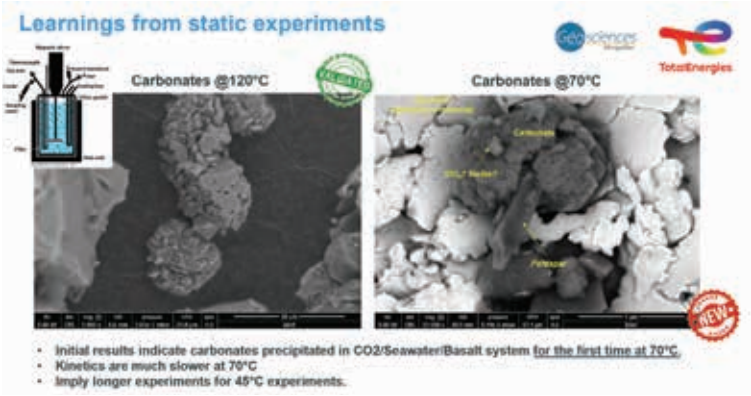


Figure 2

TotalEnergies

CarbonStone



Current efforts to mitigate greenhouse gases for the benefit of mankind, now incorporate the process of mineralization within the CO_2 storage framework. In-situ mineralization is a promising pathway to CO_2 storage. This is why at TotalEnergies we are investigating, through the **'CarbonStone'** research project, the possibility of transforming this natural process into an industrial dimension. This solution will offer a stable and definitive storage option for CO_2 captured and injected into volcanic, basic, and ultra-basic rocks.

Carbonatation is a natural process that takes advantage of carbon under-saturated rocks to mineralize the CO_2 dissolved in water in stable carbonate. This process can be split into two steps: 1) acidic CO_2-rich water dissolves Ca-, Mg-, and Fe-rich minerals, increasing their ionic availability and the pH of the pore water. 2) This triggers the precipitation of carbonate minerals at pH >6, storing carbon under a stable and permanent mineral form.

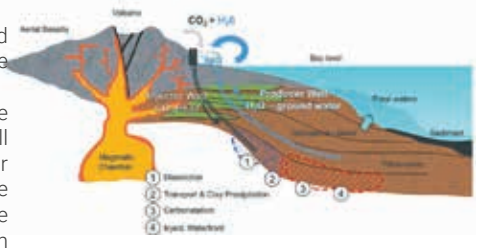
We addressed various topics that are at the heart of TotalEnergies's value chain: site exploration, properties of these new reservoirs and their chemical reactivity, experimentation, modelling of reactive transport, monitoring of the mineralization efficiency of injected CO_2 and HSE monitoring. These constraints will enable us to propose a design for the architecture of the wells and the surface installations, as well as dealing with the legal aspects and societal acceptance on a case-by-case basis.

The low-temperature offshore domain seems to be the most representative target for minimizing the distances between emitters and storage. This is why our first approach was to demonstrate the ability of basalts to react with CO_2 dissolved in seawater at low temperatures. Our laboratory at PERL and the team in Pau, with the help of the University of Montpellier, were able to reproduce existing laboratory experiments at 120°C, but for the first time in the world, we were able to precipitate carbonates at 70°C in such condition. We are conducting a batch experiment at 45°C, which will be analyzed by summer 2025.

Upscaling is achieved by modelling simplified chemical reactions during transport in these volcanic reservoirs.

Constraints on reservoir properties (from the literature and our own outcrop analysis) will help to design the number of wells and their spacing, pressure management, and the overall volume of CO_2 stored per well. The result is technical costs for what could be an industrial target for CO_2 mineralization.

The efficiency of CO_2 injection in transforming basalt to carbonate is critical to this methodology. Geochemical tracers are used to quantify the ratio of CO_2 injected to carbonate precipitated. This quantification is coupled with specific 4D geophysical acquisition to locate dissolution and mineralization occurring in the subsurface. HSE monitoring tools will also be tested to detect potential leaks of carbonated water or CO_2 (gas). These tools can also be used to prevent any pollutants from natural pore water that may be pushed into the oceanic domain.



Geospatial Intelligence

A key process to support operations and help decision making.

GEOINT stands for **GEO**spatial **INT**elligence, which is a discipline that comprises the fusion, exploitation, and analysis of **multi-source and multi-sensor geolocated data.**

Geospatial intelligence helps organizations visualize and analyze spatial data to understand a situation, support operations and help with decision making.

Initially developed for security purposes, GEOINT offers numerous potential applications at TotalEnergies. As we operate across the entire energy value chain—from production to distribution—all these activities involve and produce an extensive volume and variety of geolocated data. This makes GEOINT a particularly relevant analytical approach for this sector.

POTENTIAL APPLICATION:

Societal: The GEOINT process, by combining various types of data, including data from the human sciences, serves as a valuable tool for understanding the environment in which we operate.

Maritime traffic analysis: necessary for the implementation of new projects or to prepare offshore operations. Satellite imagery, radiofrequency satellites, and AIS data serve as key sensors. By correlating these sources, they enable a comprehensive analysis of maritime traffic. Human sciences, serves as a valuable tool for understanding the environment in which we operate.

Crisis management: By integrating and analyzing data through a common geographical interface, Geospatial Intelligence is a key process to support crisis management and response.

It provides all crisis stakeholders with an up-to-date map representation, enhancing situational understanding, coordination, and decision-making.

TotalEnergies

Daily Overviews

SUNDAY 1 JUNE 2025

Registration Desk Open
07:30 - 17:00

Laurie Dake Challenge 2025
09:00 - 16:00 | ROOM 1

Hackathon: EAGE Agents
Building Agentic AI Applications for Seismic Data Processing
09:00 - 18:00 | ROOM 3

Workshop 1
Towards Good Practice for Geophysical Monitoring of CO2 Storage *(Day 1)*
09:00 - 17:15 | ROOM 6

Workshop 2
Extracting High-Resolution Amplitude Information: "Migration Plus Inversion" or "Full-Waveform Inversion"?
09:30 - 16:35 | ROOM 2

Workshop 3
Artificial Intelligence (AI)for Seismic Processing and Reservoir Characterization: A Game Changer?
09:00 - 17:35 | ROOM 7

Workshop 4
Near-Surface Characterization: A Light at the End of the Tunnel?
09:00 - 17:00 | ROOM 8

Workshop 5
Geochemistry's Role on Advancing Climate Change and Energy Transition Research
09:30 - 17:10 | ROOM 9

Workshop 17
Navigating Future of Carbonates and Mixed Systems
09:30 - 17:10 | ROOM 10

Short Course 1
Compressive Sensing, Explained and Challenged *by Jan de Bruin*
08:30 - 17:00 | ROOM 5

Short Course 2
Reservoir Engineering for Hydrogen Storage in Subsurface Porous Media *by Gang Wang*
08:30 - 17:00 | ROOM 4

Field Trip 1
Exploring Natural Hydrogen in the Pyrenean Piedmont: from Source Rocks to Reservoirs
08:00 - 18:00

There are still **spots available** for joining our **Workshops, Short Courses** and **Field Trips!**
Visit the **Registration Desk**

MONDAY 2 JUNE 2025

Registration Desk Open
07:30 - 19:30

Hackathon: EAGE Agents
Building Agentic AI Applications for Seismic Data Processing
09:15 - 15:45 | ROOM 3

Workshop 1
PART II Towards Good Practice for Geophysical Monitoring of CO2 Storage *(Day 2)*
09:00 - 15:15 | ROOM 6

Workshop 8
Elastic FWI what for?
09:00 - 15:10 | ROOM 10

Workshop 10
Elastic Inversion of 2D/3D UHR Seismic Data for Offshore Wind Farms. What are the Challenges to get there?
09:30 - 16:00 | ROOM 5

Workshop 11
How Numerical Modelling in Earth Sciences should Evolve to Address New Usages of Subsurface (CO2 Sequestration, H2 Storage, Geothermal...)
09:00 - 15:10 | ROOM 7

Workshop 12
Faults and Damage Zones: Impact on Flow and Mechanical Behaviour
08:45 - 15:30 | ROOM 8

Workshop 20
CCS: Critical Pressure, Pressure Interference and Pressure Management
09:00 - 15:15 | ROOM 9

Short Course 3
Seismic Processing of Multiples; Concepts, Applications, Trends
by Clément Kostov
08:30 - 15:45 | ROOM 2

Short Course 4
Geoscience Communication and Public Engagement *by Iain Stewart*
08:30 - 15:45 | ROOM 4

Field Trip 1
Exploring Natural Hydrogen in the Pyrenean Piedmont: from Source Rocks to Reservoirs
08:00 - 18:30

Field Trip 3
Exploring Earth Surface and Beyond from Space
09:00 - 15:00

Students Field Trip
Geological Walk in Toulouse
08:00 - 12:00

★ KEY EVENT OF EAGE ANNUAL 2025

Opening Session and Awards Ceremony
16:00 - 18:15 | PLENARY ROOM

Exhibition Open
18:15 - 20:15 | HALL 5, 6, & 7

Icebreaker Reception
18:15 - 20:15 | HALL 5, 6, & 7

Daily Overviews

TUESDAY 3 JUNE 2025

Registration Desk Open
07:30 - 17:00

Exhibition Open
08:45 - 18:20 | HALL 5, 6, & 7

Technical Programme
09:00 - 18:00

Exhibition Theatre Programme
- Energy Transition Talks
- Digital Transformation Talks
- International Prospecting Center

10:20 - 17:30

Student Activities
09:00 – 16:00

Trial Interviews
09:00 – 17:00 | EAGE COMMUNITY HUB

Accompanying Person's Tour
09:30 – 14:15 | TOULOUSE TREASURES: A WALKING TOUR OF MONUMENTS AND GOURMET TASTINGS

Lightning Talks Session
Subsurface Energy for a Sustainable Future
10.20 – 12.20 | ENERGY TRANSITION AREA

Hackathon: Results and Presentation
10:20 - 10:50 | DIGITAL TRANSFORMATION AREA

Regional Highlights -
Europe, Middle East and Africa
10:20 - 12:00 | INTERNATIONAL PROSPECTING CENTER

Strategic Programme
10:40 - 16:00 | PLENARY ROOM

Lightning Talks Session
The Integration of AI, ML and Big Data in E&P
10:55 – 12:20 | DIGITAL TRANSFORMATION AREA

Mentoring Meetup
11:30 – 12:30 | EAGE COMMUNITY HUB

Exhibition Tour & Education Hunt
12:30 – 14:00 | EAGE COMMUNITY HUB

Professional Portrait Photography
13:00 – 14:00 | EAGE COMMUNITY HUB

Senior Executive Managers' Lunch
By Invitation Only
13:20 – 15:00 | ROOM 12

Lunch and Learn Panel Discussion
Geoscience Education for the Energy Transition
13:20 – 14:20 | ENERGY TRANSITION AREA

Lunch and Learn Panel Discussion
Digital Transformation - Learning from other Industries
13:20 – 14:20 | DIGITAL TRANSFORMATION AREA

Lunch and Learn Panel Discussion *(Hosted by AOW)*
How ultra-deepwater is revitalising oil and gas exploration
13:20 - 14:20 | INTERNATIONAL PROSPECTING CENTER

EAGE Global GeoQuiz
14:00 – 15:30 | EAGE COMMUNITY HUB

Deep Dive Session
CO2 & Energy Storage
14:20 – 15:20 | ENERGY TRANSITION AREA

Regional Highlights
LATAM - Asia
15:00 - 16:10 | INTERNATIONAL PROSPECTING CENTER

Geosecrets of France
16:00 – 17:00 | EAGE COMMUNITY HUB

Session - Narratives:
How to Engage the Public through Storytelling
16:20 - 17:30 | ENERGY TRANSITION AREA

Outlook Session
16:10 - 17:00 | INTERNATIONAL PROSPECTING CENTER

WEDNESDAY 4 JUNE 2025

Registration Desk Open
08:00 - 17:00

Exhibition Open
8:45 - 17:30 | HALL 5, 6, & 7

Senior Executive Managers' Breakfast
By Invitation Only
09:00 - 10:30 | ROOM 12

Technical Programme
09:00 - 17:20

Exhibition Theatre Programme
- Energy Transition Talks
- Digital Transformation Talks
- International Prospecting Center

10:20 - 17:00

Strategic Programme
09:00 - 15:20 | PLENARY ROOM

Trial Interviews
09:00 - 16:00 | EAGE COMMUNITY HUB

Professional Portrait Photography
09:30 – 10:30 & 13:00 - 14:00 | EAGE COMMUNITY HUB

Lightning Talks Session
Applications, Digital Workflows and Models for E&P
10:05 – 10:45 | DIGITAL TRANSFORMATION AREA

Lightning talks session
The (Un)Reality Of Achieving Net Zero
10:20 – 12:20 | ENERGY TRANSITION AREA

Regional Highlights
10:20 - 12:00 | INTERNATIONAL PROSPECTING CENTER

Lunch and Learn
Carbon Emissions Reduction Ambitions and Roadmaps of Key Players Across Upstream Oil & Gas and other Industries
13:20 - 14:20 | ENERGY TRANSITION AREA

Lunch and Learn Panel Discussion
Powering the Future: Is AI Just Buzz or the Real Deal in Energy?
13:20 – 14:20 | DIGITAL TRANSFORMATION AREA

Lunch and Learn Panel Discussion *(Hosted by WCCUS)*
Overcoming Barriers in CCS Expansion
13:20 - 14:20 | INTERNATIONAL PROSPECTING CENTER

Annual General Meeting for Members
13:30 - 14:30 | ROOM 12

Student Chapters Meeting
13:30 – 14:00 | EAGE COMMUNITY HUB

Local Students Activities
14:00 – 14:30 | EAGE COMMUNITY HUB

Deep Dive Session
The use of Virtual and Augmented Reality (VR and AR) in Exploration, Education And Fieldwork
14:20 – 15:20 | DIGITAL TRANSFORMATION AREA

Session - Geoscience Communication For Policy
14:30 - 15:30 | ENERGY TRANSITION AREA

Outlook Session
15:00 - 17:00 | INTERNATIONAL PROSPECTING CENTER

Networking Café
15:00 – 16:00 | EAGE COMMUNITY HUB

Conference Evening
19:30 – 23:30 | VICTOR HUGO MARKET

There are still **spots available** for joining our **Workshops, Short Courses** and **Field Trips!**
Visit the **Registration Desk**

Daily Overviews

THURSDAY 5 JUNE 2025

Registration Desk Open
08:00 - 14:00

Exhibition Open
08:45 - 18:20 | HALL 5, 6, & 7

Technical Programme
09:00 - 18:00

Exhibition Theatre Programme
- Energy Transition Talks
- Digital Transformation Talks
- International Prospecting Center

10:20 - 15:20

Community Hub Open
09:00 – 18:00

Student Activities
09:00 – 16:00

Strategic Programme
09:00 - 13:20 | PLENARY ROOM

Special Programme For Secondary School Students
10:20 - 12:20 | DIGITAL TRANSFORMATION AREA

Trial Interviews
10:00 - 14:30 | EAGE COMMUNITY HUB

REGIONAL HIGHLIGHTS
10:20 - 12:00 | INTERNATIONAL PROSPECTING CENTER

Professional Portrait Photography
11:00 – 12:00 | EAGE COMMUNITY HUB

Local Chapters' Panel
13:00 – 14:00 | EAGE COMMUNITY HUB

Lunch and Learn Panel Discussion
How mineral deposits can power the energy transition (PoleAvenia)
13:20 - 14:20 | INTERNATIONAL PROSPECTING CENTER

Deep Dive Session
Resourcing the Future - Geoscience Skills for the Energy Transition
14:20 – 15:20 | DIGITAL TRANSFORMATION AREA

There are still **spots available** for joining our **Workshops, Short Courses** and **Field Trips!**
Visit the **Registration Desk**

FRIDAY 6 JUNE 2025

Desk Open
07:30 - 11:00

Short Course 5
State of the Art in Full Waveform Inversion (FWI) *by Ian F. Jones*
08:30 - 17:00 | ROOM 3

Field Trip 4
Toulouse South: Gold Panning & Core Warehouse Visit / Core Workshop
08:00 – 18:30

Field Trip 5
Urban Geology (Geotechnics & Geothermal Energy)
09:00 - 16:30

Workshop 15
CCS Value Chain: Assessment and Integration from Screening to Design Basics
09:00 - 15:20 | ROOM 1

Workshop 16
Hydrogen in the Sub-Surface: Unlocking Potential in Storage, Exploration, and Process Understanding
09:00 - 15:00 | ROOM 2

Workshop 18
Distributed Fiber Optic Sensing for Seismic Applications
08:45 - 16:00 | ROOM 4

Workshop 19
4D Seismic Monitoring: Can We Relax Acquisition 4D Repeatability Constraints While Retrieving Reliable 4D Signal?
09:00 - 15:40 | ROOM 5

Workshop 21
Multi-Dimensional Wavefield Deconvolution: Current Status and the Road Ahead
09:30 - 16:30 | ROOM 6

Workshop 22
Foundation Models in the Geosciences
09:00 - 17:00 | ROOM 7

A reset bp

Growing the upstream

Interview with Ariel Flores, SVP Subsurface bp.

bp recently announced a reset strategy, which aims to grow the upstream, what does that mean to you?

bp's upstream will continue to be our main source of cash flow into the next decade. We plan to grow by increasing investment in exploration and focusing on the resources we have already discovered.

Our near-term goal is to find and develop the best resources as we increase investment in exploration seismic and drilling, using our expertise and technology to grow the business and meet global energy demands.

That means accessing discovered resources that are cheaper to develop in places like Azerbaijan, Trinidad & Tobago and developing fields in Iraq.

We're in action with 40 exploration wells planned over the next three years and more than 15 wells that can be tied back to fill existing infrastructure, getting us to start-up faster.

What will help you reach your goals?

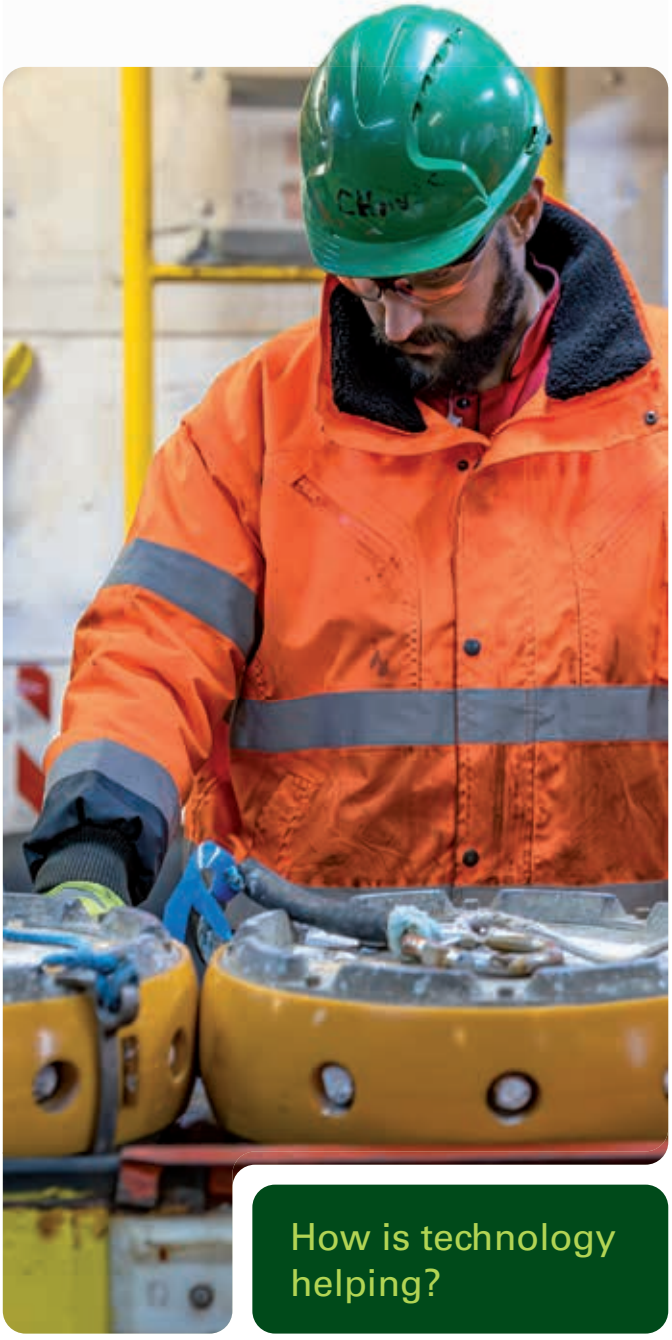
In three words - people and partnerships.

We have a remarkable team with deep petrotechnical skills and unrivalled giant field operating experience ranging from the deepwater in Gulf of America to onshore fields in the Middle East.

This is recognized in India for example, where we've recently been awarded the technical services provider contract for Mumbai High, India's largest oil field. Our expertise in depletion planning and track record of technological implementation makes us a valuable partner to improve field understanding and identify options to increase production and maximise recovery over the next decade.

We collaborate with top tech companies and international oil companies, believing that "better together" is key to growth. Strong relationships with stakeholders, such as governments and partners, are essential for success.

Recently, we agreed on terms to redevelop fields in Northern Iraq, with the Kirkuk project aimed at stabilizing production—a goal achievable only through trusted partnerships based on a strong track record of delivery.



How is technology helping?

We have a rich history of solving technical challenges with advanced technologies. Our expertise in high-impact seismic tech including 4D, allows us to manage complex fields and reduce uncertainties before drilling. It's helped us uncover 20 billion barrels in the Gulf of America for example.

Looking ahead, deploying elastic full wave form inversion (FWI) across our oil and gas assets will offer detailed models for better recovery.
By using data science, AI, and high-performance computing, we can make swift, informed decisions and improve productivity.

Strategic Programme

The Strategic Programme supplements our extensive Technical Programme with a series of talks between leading figures, bridging the gap between science and the most pressing issues affecting the wider geoscience and engineering field. The Strategic Programme takes place in the Plenary room.

OPENING SESSION

Monday 2 June - 16:00 – 18:15 | PLENARY ROOM

Leadership Interview

In 2024, TotalEnergies celebrated its 100th anniversary. Over the years, the company has evolved into an international organization that is actively involved in addressing the global energy challenges of the 21st century. Kevin McLahlan, SVP Exploration of TotalEnergies, will discuss the company's ambition to be a major player in the energy transition and the ways in which they are leveraging their pioneering spirit and technological capabilities to meet the ever evolving energy challenges.

Moderator

Andrew McBarnet
Editor Emeritus
EAGE

Speaker

Kevin McLachlan
SVP Exploration
TotalEnergies

Keynote Presentation

A New Energy Path for the 21st Century

To lift all humans into energy and economic prosperity by 2075 will involve tripling today's global energy consumption. This will accelerate economic expansion, which, counterintuitively allows for increased investment in environmental protection. Although all forms of primary energy will grow, nuclear and natural gas will begin to replace coal and oil as the dominant foundational energies. Opportunities exist for deep engagement of students and professionals.

Scott Tinker
Chairman, Switch Energy Alliance
Chief Executive Officer, Tinker Energy Associates

Opening Ceremony Debate

Navigating change: Geosciences shaping a sustainable future

Over the next decade, the energy market is expected to shift significantly toward renewable sources, driven by global climate ambitions, societal shifts and technological advancements. Despite the decline of oil and gas in the energy mix, geoscientists are still expected to have a crucial role in shaping the future of energy through their understanding of the earth and efficient utilisation of its resources. Our panel of energy experts will explore the future energy landscape addressing the economics, technology, geopolitics and societal attitudes which will dominate the next decade.

Moderator

Nikki Martin
President and CEO
ENERGEO

Speakers

Emmanuelle Garinet
VP Exploration Africa
TotalEnergies

Sophie Zurquiyah
CEO
Viridien

Marie-Line Vaiani
Secretary General
French Energy Council

Bob Fryklund
Chief Upstream Strategist
S&P Global Commodity Insights

Ariel Flores
SVP Subsurface bp

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Commodity Insights

ROLE OF TECHNOLOGIES TO ACCELERATE PROJECT TURN-AROUND

Tuesday 3 June 2025 - 10:40 - 11:40 | PLENARY ROOM

Investment in oil and gas technology has decreased over the past decade. Despite this downward trend we now see a high demand for technological solutions to achieve innovation gains and reduce turnaround time for renewables and exploration projects. We all now recognise the potential of AI to drive step changes in operations and workflows while improving cost and sustainability. What are other current and emerging technologies that can create opportunities for game-changing innovation? We will also discuss current approaches to R&D investment and the innovations needed to support the technology required to meet increased energy demand.

Moderator

Rachael Moreland
Vice President,
Energy Software &
Advanced Analytics
S&P Global
Commodity Insights

Speakers

Bruno Michel
Vice President
Geoscience & Reservoir
TotalEnergies

Irene Waage Basili
CEO
Shearwater

Trygve Randen
SVP Digital
Products & Solutions
SLB

Wadii El Karkouri
EVP of Imaging and
Technology
TGS

Arnd Wilhelms
SVP Subsurface
Equinor

RESPONSIBLE EXPLORATION - FASTER, CLEANER, CHEAPER

Tuesday 3 June 2025 - 12:20 - 13:20 | PLENARY ROOM

The energy transition is set to influence approaches to exploration and production in the coming decades. Oil and gas companies are increasingly adapting their strategies to prioritise faster and more cost-effective field development in the coming decades. This panel will focus on the new ways in which these companies are approaching exploration and development projects to accelerate time-to-market and develop low-cost and low emission oil projects. Progress will depend to some extent on collaboration with service sectors such as seismic which has its own challenges, an important issue in the discussion.

Moderator

Andrew Latham
SVP Energy Research
Wood Mackenzie

Speakers

Kevin McLachlan
SVP Exploration
TotalEnergies

Eugene Okpere
EVP Exploration
Strategy & Portfolio
Shell

Aldo Napolitano
Exploration Director
ENI

John Ardill
VP Global Exploration
ExxonMobil

Kristian Johansen
CEO
TGS

SENIOR EXECUTIVE MANAGERS' LUNCH

By Invitation Only

Tuesday 3 June 2025 - 13:20 – 15:00 | ROOM 12

ARE GEOSCIENCES EQUIPPED FOR THE ENERGY TRANSITION?

Tuesday 3 June 2025 - 15:00 - 16:00 | PLENARY ROOM

The energy industry faces ambitious timelines in reducing emissions and decarbonizing energy systems to limit global warming and meet the targets set by the Paris Climate Agreement. Geosciences have the potential to play a critical role in the energy transition but risk lagging behind other faster-evolving renewable technologies as capital is deployed to scale solutions quickly. Can geoscience disciplines remain relevant and what role will they play in shaping future energy systems? How can we transform the image of geosciences to attract the talent needed and are we aiming high enough?

Moderator

Ian Conway
Executive Director, Upstream Research & Analysis
S&P Global Commodity Insights

Speakers

Chris Page
EVP New Business Development
Viridien

Will Ashby
EVP New Energy Solutions
TGS

Gautier Baudot
VP Exploration Excellence & Transformation
TotalEnergies

Karen Foster
VP Geoscience
Shell

Frederique Fournier
Director of Georesources and Energy Center
IFP Energies Nouvelles

REDEFINING COLLABORATION: THE FUTURE OF TECHNOLOGY PARTNERSHIPS IN E&P

(Senior Executive Managers' Breakfast) By Invitation Only

Wednesday 4 June 2025 - 09:00 - 10:30 | ROOM 12

As the E&P industry navigates increasing digital demands and evolving energy dynamics, technology partnerships are emerging as critical levers for success. This dialog will convene industry experts to evaluate the definition of ideal partnerships, explore emerging risks and opportunities, and shape a forward-looking blueprint for technology collaboration and innovation.

Moderator

Rachael Moreland
Vice President, Energy Software & Advanced Analytics
S&P Global Commodity Insights

JUSTIFYING TECHNOLOGY INVESTMENTS

Wednesday 4 June 2025 - 12:20 - 13:20 | PLENARY ROOM

Justifying technology investments is increasingly difficult in the high value environment of today's energy landscape. Risk aversion often clashes with the need for rapid deployment, innovation, and large-scale projects to drive real value. The traditional conservative mindset, coupled with an emphasis on HSE compliance, can slow adoption of potentially transformative technologies. Despite rising demands, investment in research and development (R&D) has declined, pushing companies to evaluate smaller projects critically. Balancing the "fail fast" approach with high-value returns requires strategic R&D approaches and a re-evaluation of what defines a "good" investment in this evolving landscape.

Moderator

Oscar Abbink
Director of Energy Technology and Innovation
S&P Global Commodity Insights

Speakers

Catherine Javaux
VP R&D
TotalEnergies

Paulo Johann
Senior Advisor
Petrobras

Herlinde Mannaerts-Drew
SVP Oil and Gas Technology
BP

Andrea Lovatini
Director Exploration Data and Geosolutions
SLB

Carel Hooijkaas,
EVP Operations
TGS

THE FUTURE OF ENERGY - WHERE ARE WE HEADING?

Wednesday 4 June 2025 - 14:20 - 15:20 | PLENARY ROOM

The International Energy Agency (IEA) forecast oil demand will peak around 2030. However, analysts expect hydrocarbons to play a part in the future energy mix for decades to come, especially in those industry sectors where as yet there is no obvious alternative to fossil fuel utilisation. Just how rapidly developing countries where basic electrification still remains problematic can transition from oil, gas and coal is another major issue in future energy scenarios. How companies will adapt to the changing energy landscape, i.e., meeting unspecified future demand for oil and gas and energy security while making the pivot to low-carbon energy solutions. Will new business models evolve, will incremental change be sufficient, will stakeholders support change, how far will governments intervene. These are the questions to be discussed by our panel.

Moderator

Bob Fryklund
Chief Upstream Strategist
S&P Global Commodity Insights

Speakers

Philippe Dewimille
Head of Strategic Analysis & Markets
TotalEnergies

Simen Moxnes
Senior Advisor New Energy Systems
Equinor

Graeme Bagley
Head of Global E&A
Westwood

Ahmad Faisal Bakar
VP Exploration
PETRONAS

"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

FUELING ENERGY INNOVATION THROUGH DIVERSE PERSPECTIVES

(Organised by the EAGE Women in Geoscience and Engineering Community)

Thursday 5 June 2025 - 09:00 - 10:00 | PLENARY ROOM

The oil and gas industry faces significant challenges in rethinking traditional business models to meet the demands of the energy transition. By involving voices from different backgrounds, including gender, culture, and expertise, the industry can approach problems with fresh insights, identify overlooked opportunities, and design solutions that are inclusive and more adaptable. Our panellists will explore the value of diversity beyond aspects of social equality. Can diversity truly increase creativity and resilience, leading to stronger business outcomes and technological breakthroughs? And how can more inclusive approaches help us in tackling complex energy challenges and accelerating the transition.

Moderator

Azin Karimzadanzabi
Ph.D. Candidate
TU Delft
Chair of WGE Committee

Speakers

Marie Planckaert
VP Exploration Carbon Storage
TotalEnergies

Severine Pannetier-Lescoffit
Chief Engineer Geophysics
Equinor

Sidsel Lindsø
CEO
ExploCrowd

Habib Al Khatib
CEO
SpotLight

Laura Valentina Socco
EAGE President 2024-25

GEOSCIENCE SKILLS SHORTAGE - A THREAT FOR THE ENERGY TRANSITION?

(Organised by the EAGE Young Professionals Community)

Thursday 5 June 2025 - 10:40 - 12:00 | PLENARY ROOM

Geoscience professionals support subsurface exploration and management, vital for clean energy initiatives. However, some western countries are experiencing a workforce gap as fewer young professionals enter the field, posing risks to long-term energy transition goals. Addressing this requires targeted investment in education and training to sustain the expertise needed for a resilient net-zero strategy. We also need to address the image of the industry and its attractiveness to a new generation who are concerned with climate change.

Moderators

Carrie Holloway
Senior CCS Geologist
SLB
YPs Committee Member

Tiexing Wang
Project Research Geophysicist
Shearwater
YPs Committee Member

Speakers

Elena Dudchenko
Manager of TTS (Transformation Training and School relationships)
Total Energies

Claude Cavelius
CEO
Deeplime

Nihal Darraj
CCUS Researcher
Reservoir Engineering, Imperial College

IMPACT OF AI ON FUTURE WAYS OF WORKING

Thursday 5 June 2025 - 12:20 - 13:20 | PLENARY ROOM

AI has reshaped decision-making in the oil and gas industry, making it faster, more connected, and data-driven than ever before. Beyond technology, though, the real transformation lies in adapting business models to align with the energy transition and evolving leadership styles that leverage diverse data streams and citizenship development. These shifts require new, forward-thinking approaches to how companies operate, pushing for agility in an industry known for its conservative pace. Embracing this digital shift not only demands innovation in technology but also bold ideas in how businesses redefine value and leadership for a sustainable future.

Moderator

Rachael Moreland
Head of Energy Software & Advanced Analytics
S&P Global Commodity Insights

Speakers

Sara Amar
Chief Digital and AI Officer
Aker Solutions

Harsha Tharkabushanam
Head of Data Science
BP

Chandra Yeleshwarapu
Senior Director - Products
Halliburton-Landmark

Song Hou
Head of AI Lab
Viridien

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For over 90 years, we forged a legacy of scientific innovation under the CGG banner. Now, as Viridien, we build on that foundation, enhancing our core business capabilities while creating new market opportunities.

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EAGE Annual 2025

TECHNICAL PROGRAMME

The EAGE Annual 2025 Technical Programme is scheduled for 3-5 June. It features a diverse array of high-quality papers submitted during the Call for Abstracts period. Additionally, attendees can participate in various Workshops, Short Courses, and Field Trips available on Sunday, Monday, and Friday.

The technical sessions are scheduled across two areas: Conference Rooms 1–12 are located on Level 2 of the conference building, while Conference Rooms 13–18 are located on the Mezzanine (exhibition hall).

For any questions regarding the Technical Programme, please visit the Speaker Service Center on Level 2 of the conference building or on the Mezzanine.

Technical Programme Sponsors

Opening Hours Speaker Service Centers

DAY	QUESTIONS & UPLOADING PRESENTATIONS
Sunday	07:30 - 11:00
Monday	08:00 - 18:00
Tuesday	08:00 - 17:00
Wednesday	08:00 - 17:00
Thursday	08:00 - 15:00
Friday	07:30 - 15:00

Uploading presentations
Technical programme and workshops presentations should be uploaded in advance using the link from the email received prior to the event ("final presentation details") or at the speaker service centers.

Poster Sessions

The poster sessions of the Technical Programme consist of printed poster presentations and will focus on interaction and informal exchanges of ideas and discussions among participants. All on-site poster presenters have a total of 60 minutes to present their work simultaneously during the poster session, including time for questions. However, posters will be on display throughout the presenting day. Posters should be set up between 08:00 and 09:00 hours on the day of presentation and taken down at the day's end.

If you have any questions regarding the Poster sessions, please stop by the Speaker Service Centers.

Poster sessions take place on Tuesday, 3 June 2025 from 14:00 to 15:00 and on Thursday, 5 June from 14:00 to 15:00.

Dedicated Sessions

Dedicated Sessions are meant to complement the Technical Programme, adding to its depth and variety. Please see the schedule for our Dedicated Sessions on pages 40, 43, 44, 51, 52, 53, 57, 58, 59 & 60.

Best of IMAGE

This year's programme features some of the top presentations from IMAGE 2024. Keep an eye out for talks marked "Best of IMAGE"!

Proceedings

EarthDoc is EAGE's online geoscience database and enables you to browse through thousands of event papers and journal articles online. EAGE members have free access to EarthDoc. The event papers are available online. Visit earthdoc.org then log in using your EAGE membership credentials. If you are yet to be processed as an EAGE member, you can also access the papers via the Event App.

Headsets Connection

To ensure the best audio experience, we will provide you headset & receiver to use in specific parts of our Technical programme. Look for the symbol on the floorplan and at the room entrances, indicating where headsets are needed.

Workshops, Short Courses and Field Trips

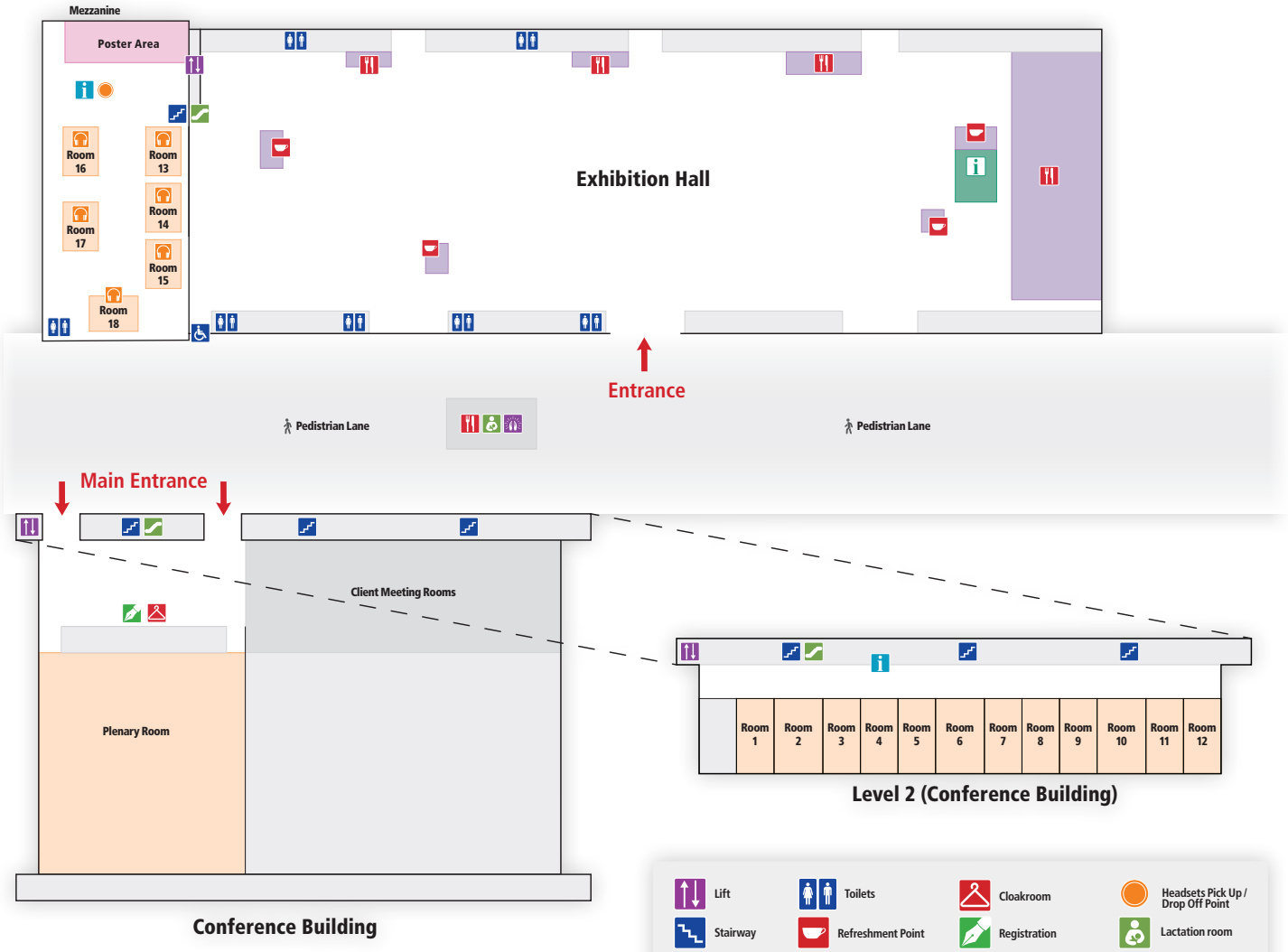
The EAGE Annual 2025 offers numerous interactive Workshops, Short Courses and inspiring Field Trips scheduled for Sunday 1, Monday 2, and Friday 6 June.

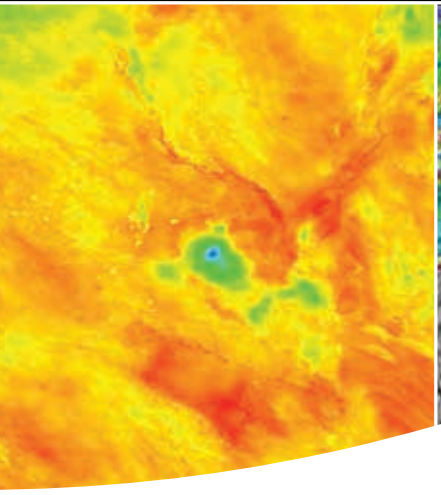
For the full details, please refer to the Daily Overviews on page 16, 17, & 21 or our website www.eageannual.org.

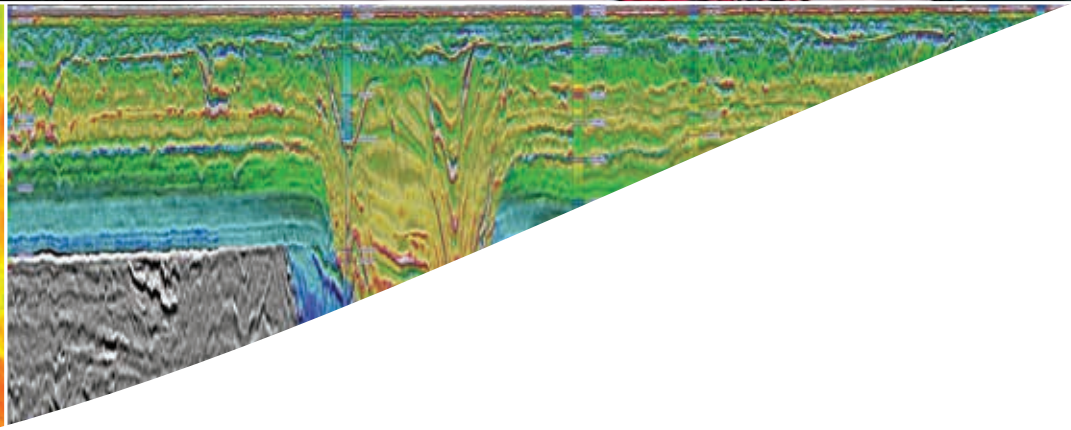
Image courtesy: INGRID MOYA-95

CONFERENCE AREA

Rooms are located in both the Conference building and Exhibiton Hall







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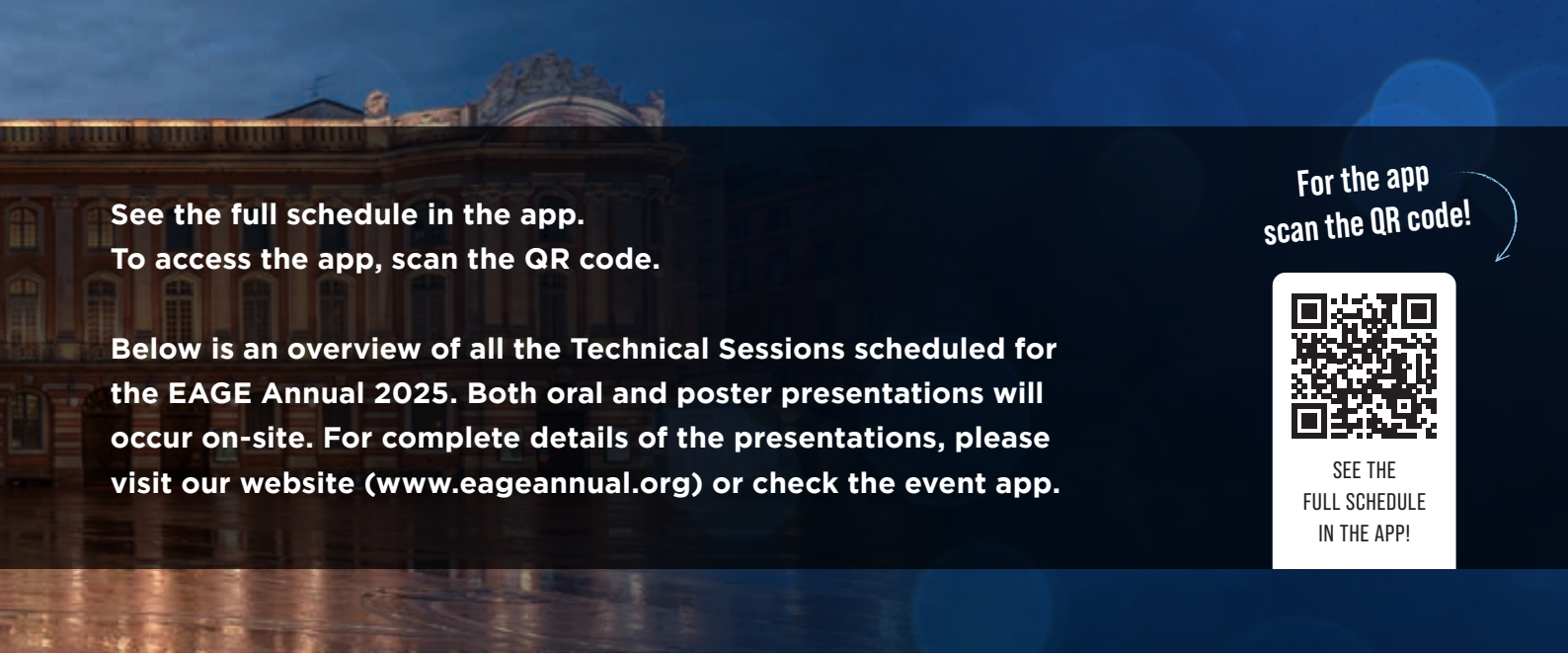
Technical Programme
SESSIONS OVERVIEW

TUESDAY 3 JUNE 2025			
DISCIPLINE	**SESSION NAME**	**TIME**	**ROOM**
MORNING SESSION			
Dedicated sessio	DS-09. EOR During the Energy Transition	09:00 - 10:20	Room 11
Dedicated session	DS-12. Reactive Flow and Transport in Porous Media	09:00 - 12:00	Room 12
Dedicated session	DS-21. Geothermal Energy in France: A Game Changer for Accelerating Decarbonisation	09:00 - 12:00	Room 14
Dedicated session	DS-04. Modeling Subsurface Systems: Critical Minerals, Geothermal and Hydrogen	10:40 - 12:00	Room 13
Dedicated sessione	DS-22. Petroleum data acquisition and Energy Transition in France - 1	09:00 - 12:00	Room 1
Energy Transition	CCS Screening & Site Characterisation 1 (part 1)	09:00 - 10:20	Room 10
Energy Transition	CCS Screening & Site Characterisation 1 (part 2)	10:40 - 12:00	Room 10
Geology	Carbonates & Evaporites	09:00 - 10:20	Room 16
Geology	Clastics Reservoirs	09:00 - 12:00	Room 15
Geology	Static Geomodels	10:40 - 12:00	Room 16
Geophysics	Anisotropy & Fractured Reservoirs-1	09:00 - 12:00	Room 17
Geophysics	DAS Imaging	09:00 - 12:00	Room 6
Geophysics	FWI - Velocities-1 - Elastic	09:00 - 12:00	Room 2
Geophysics	ML & AI for Seismic Facies Mapping	09:00 - 12:00	Room 8
Geophysics	ML & AI for Seismic Imaging & Velocities-1	09:00 - 12:00	Room 3
Geophysics	ML & AI for Seismic Processing-1	09:00 - 12:00	Room 4
Geophysics	Seismic Reservoir Characterization of carbonates and shales	09:00 - 12:00	Room 9
Geophysics	Signal processing: phase, motion and resolution	09:00 - 12:00	Room 5
Geophysics	Time-Lapse (4D): survey design and case histories	09:00 - 12:00	Room 7
Geophysics	Wavefield modeling 1	09:00 - 12:00	Room 18
Integrated Subsurface	DS-15. Best of Geoenergy & Petroleum Geoscience	09:00 - 10:20	Room 13
Reservoir Engineering	Dynamic Reservoir Characterisation & Modeling	10:40 - 12:00	Room 11
POSTER SESSION			
Energy Transition	Poster session 5 - Energy Transition 1	14:00 - 15:00	Poster area
Geology	Poster session 2 - Geology 1	14:00 - 15:00	Poster area
Geophysics	Poster session 1A: Non-Seismic Acquisition & Processing	14:00 - 15:00	Poster area



See the full schedule in the app.
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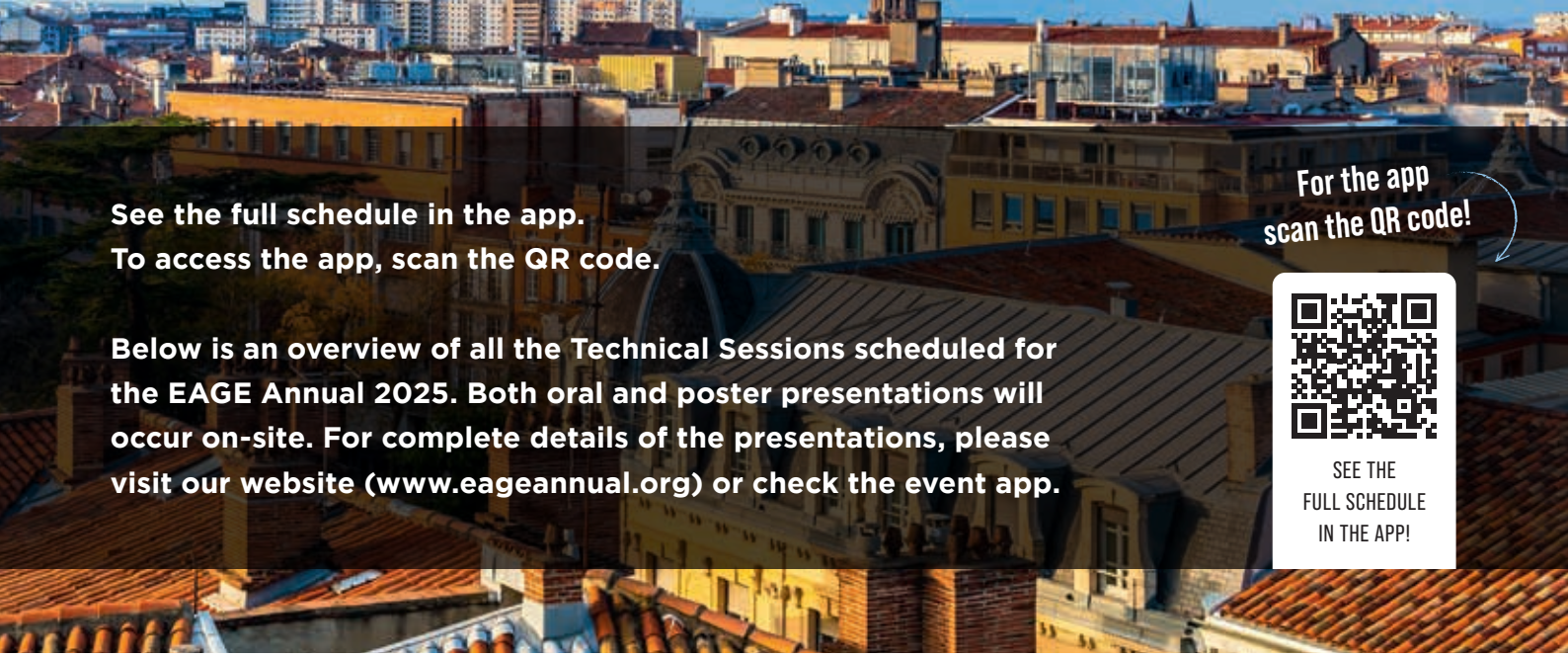
TUESDAY 3 JUNE 2025

DISCIPLINE	SESSION NAME	TIME	ROOM
Geophysics	Poster session 1B - Seismic Acquisition & Processing 1	14:00 - 15:00	Poster area
Geophysics	Poster session 1C - Seismic Processing 1	14:00 - 15:00	Poster area
Geophysics	Poster session 1D - Seismic Velocities & Imaging 1	14:00 - 15:00	Poster area
Geophysics	Poster session 1E - Seismic Interpretation 1	14:00 - 15:00	Poster area
Integrated Subsurface	Poster session 4 - Integrated Subsurface	14:00 - 15:00	Poster area
Reservoir Engineering	Poster session 3 - Reservoir Engineering 1	14:00 - 15:00	Poster area
AFTERNOON SESSION			
Dedicated session	DS-22. Petroleum data acquisition and Energy Transition in France - 2	15:00 - 18:00	Room 1
Dedicated session	DS-05. Deep-Seated Mineral Exploration: Advances for Terrestrial and Marine Deposits	15:00 - 16:20	Room 13
Dedicated session	DS-19. Advances in geothermal carbonate reservoir characterisation	15:00 - 18:00	Room 14
Energy Transition	CCS Screening & Site Characterisation 2 (part 1)	15:00 - 16:20	Room 10
Energy Transition	CCS Screening & Site Characterisation 2 (part 2)	16:40 - 18:00	Room 10
Geology	Depositional Systems	15:00 - 18:00	Room 15
Geology	ML & AI for Geological Characterisation-1	15:00 - 18:00	Room 16
Geophysics	Anisotropy & Fractured Reservoirs-2	15:00 - 18:00	Room 17
Geophysics	DAS Monitoring and DAS-VSP	15:00 - 18:00	Room 6
Geophysics	FWI - Velocities-2 - Case Studies	15:00 - 18:00	Room 2
Geophysics	Imaging Case Studies-1	15:00 - 18:00	Room 3
Geophysics	Imaging Theory 1	15:00 - 18:00	Room 18
Geophysics	ML & AI for Seismic Fault/Fracture Mapping	15:00 - 18:00	Room 8
Geophysics	ML & AI for Seismic Processing-2	15:00 - 18:00	Room 4
Geophysics	Seismic Reservoir Characterisation through inversion and linking to geology	15:00 - 18:00	Room 9
Geophysics	Signal processing in practice	15:00 - 16:20	Room 5
Geophysics	Time-Lapse (4D): processing and inversion	15:00 - 18:00	Room 7
Geophysics	Noise attenuation	16:40 - 18:00	Room 5
Reservoir Engineering	Flow Simulation for O&G & CCS	15:00 - 16:20	Room 11
Reservoir Engineering	History Matching & 4D seismic	16:40 - 18:00	Room 11

Technical Programme
SESSIONS OVERVIEW

WEDNESDAY 4 JUNE 2025			
DISCIPLINE	**SESSION NAME**	**TIME**	**ROOM**
MORNING SESSION			
Dedicated session	DS-14. Exploration & Production of Unconventional Lithium	09:00 - 12:00	Room 13
Energy Transition	CCS Screening & Site Characterisation 3	09:00 - 12:00	Room 10
Energy Transition	Geothermal exploration	09:00 - 12:00	Room 14
Energy Transition	CCS Screening & Site Characterisation 4	10:40 - 12:00	Room 10
Geology	ML & AI for Geological Characterisation-2	09:00 - 12:00	Room 16
Geology	Petroleum Systems	09:00 - 12:00	Room 15
Geophysics	Advanced DAS Acquisition and Processing	09:00 - 12:00	Room 6
Geophysics	Borehole Seismic Methods	10:40 - 12:00	Room 6
Geophysics	EM Methods 1	09:00 - 12:00	Room 5
Geophysics	FWI - Velocities-3 - Convergence	09:00 - 12:00	Room 2
Geophysics	Imaging Case Studies-2	09:00 - 12:00	Room 3
Geophysics	Imaging theory 2	09:00 - 12:00	Room 18
Geophysics	ML & AI for Seismic Processing-3	09:00 - 12:00	Room 4
Geophysics	Monitoring	10:40 - 12:00	Room 8
Geophysics	Rock Physics-1	09:00 - 12:00	Room 17
Geophysics	Seismic Inversion for reservoir characterisation and lithology prediction	09:00 - 12:00	Room 9
Geophysics	Seismic Reservoir monitoring and characterisation	09:00 - 12:00	Room 8
Geophysics	Simultaneous Source	09:00 - 12:00	Room 7
Integrated Subsurface	Exploration Case Studies-1	09:00 - 12:00	Room 1
Reservoir Engineering	Production Optimisation & EOR	09:00 - 12:00	Room 11



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WEDNESDAY 4 JUNE 2025

DISCIPLINE	SESSION NAME	TIME	ROOM
AFTERNOON SESSION			
Dedicated session	DS-01. Opportunities and Challenges for Onshore CCS	14:20 - 17:20	Room 9
Dedicated session	DS-02. Advances in quantitative analysis of reservoir materials and processes	16:00 - 17:20	Room 16
Dedicated session	DS-16. The role of basin modeling in opening new plays	14:20 - 15:40	Room 16
Energy Transition	CCS & Waste Storage: Site Operations & Monitoring 1	14:20 - 17:20	Room 10
Energy Transition	Geothermal technologies	14:20 - 17:20	Room 14
Energy Transition	Hydrogen storage reservoir characterisation and technology	14:20 - 17:20	Room 13
Geology	Petrophysics & Core Data	14:20 - 17:20	Room 15
Geophysics	Acquisition Geometries & Hardware-Marine-1	14:20 - 17:20	Room 6
Geophysics	EM Methods 2	14:20 - 15:40	Room 5
Geophysics	FWI - Imaging-1 - Case Studies	14:20 - 17:20	Room 3
Geophysics	FWI - Velocities-4 - 4D, gridding and ML	14:20 - 17:20	Room 2
Geophysics	ML & AI for Seismic Processing-4	14:20 - 17:20	Room 4
Geophysics	ML & AI for Seismic Structural Interpretation	14:20 - 17:20	Room 8
Geophysics	Potential Field Methods and Remote Sensing	16:00 - 17:20	Room 5
Geophysics	Quantitative Interpretation & AVO-1	14:20 - 17:20	Room 7
Geophysics	Rock Physics-2	14:20 - 17:20	Room 17
Geophysics	Wavefield Modeling 2 & Diffraction imaging	14:20 - 17:20	Room 18
Integrated Subsurface	Multi-Disciplinary Studies	14:20 - 17:20	Room 1
Reservoir Engineering	ML & AI for Production Optimisation & Forecast	16:00 - 17:20	Room 11
Reservoir Engineering	Well Construction, Performance & Work-Overs	14:20 - 15:40	Room 11

Technical Programme
SESSIONS OVERVIEW

THURSDAY 5 JUNE 2025			
DISCIPLINE	**SESSION NAME**	**TIME**	**ROOM**
MORNING SESSION			
Data & Computer Science	Data & Information Management & Storage	09:00 - 12:00	Room 16
Dedicated session	DS-03. The exploitation of saline aquifers for CCS and other purposes: how to govern complex multi-actor systems?	09:00 - 10:20	Room 14
Dedicated session	DS-06. Enhanced Reservoir modeling - Predicting subsurface geological properties	09:00 - 12:00	Room 11
Dedicated session	DS-08. Hybrid Geothermal and CCS: Advancing Sustainable Energy Solutions	10:40 - 12:00	Room 14
Dedicated session	DS-13. Challenges of repurposing an oil and gas well to geothermal well	09:00 - 12:00	Room 12
Dedicated session	DS-17. CO2 Mineralization	09:00 - 12:00	Room 9
Energy Transition	CCS & Waste Storage: Site Operations & Monitoring 2	09:00 - 12:00	Room 10
Energy Transition	Hydrogen storage site characterisation	09:00 - 10:20	Room 13
Energy Transition	Shallow Subsurface for Windparks	10:40 - 12:00	Room 13
Geology	Structural Geology - 1	09:00 - 12:00	Room 15
Geophysics	Acquisition Geometries & Hardware-Land and Marine	09:00 - 12:00	Room 6
Geophysics	FWI - Imaging-2 - Theory and multi-parameter	09:00 - 12:00	Room 3
Geophysics	Micro & Passive Seismic - 1	09:00 - 12:00	Room 5
Geophysics	ML & AI for Seismic Imaging & Velocities-2	09:00 - 12:00	Room 18
Geophysics	ML & AI for Seismic Property Prediction II	09:00 - 12:00	Room 8
Geophysics	Multiple attenuation	09:00 - 12:00	Room 4
Geophysics	Quantitative Interpretation & AVO-2	09:00 - 12:00	Room 7
Geophysics	Velocity Model Case Studies	09:00 - 12:00	Room 2
Integrated Subsurface	Exploration Case Studies-2	09:00 - 12:00	Room 1
Integrated Subsurface	Geo-mechanics & Pore Pressure - 1	09:00 - 12:00	Room 17
POSTER SESSION			
Energy Transition	Poster session 5 - Energy Transition 2	14:00 - 15:00	Poster area
Geology	Poster session 2 - Geology 2	14:00 - 15:00	Poster area
Geophysics	Poster session 1C - Seismic Processing 2	14:00 - 15:00	Poster area
Geophysics	Poster session 1D - Seismic Velocities & Imaging 2	14:00 - 15:00	Poster area
Geophysics	Poster session 1B - Seismic Acquisition & Processing 2	14:00 - 15:00	Poster area

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THURSDAY 5 JUNE 2025

DISCIPLINE	SESSION NAME	TIME	ROOM
Geophysics	Poster session 1E - Seismic Interpretation 2	14:00 - 15:00	Poster area
Mining & Infrastructure & Data & Computer Science	Poster session 6&7 - Mining & Infrastructure & Data & Computer Science	14:00 - 15:00	Poster area
Reservoir Engineering	Poster session 3 - Reservoir Engineering 2	14:00 - 15:00	Poster area
AFTERNOON SESSION			
Data & Computer Science	OSDU Development & HPC	15:00 - 16:20	Room 16
Dedicated session	DS-20. Uncertainties in the AI world - Seismic Interpretation	16:40 - 18:00	Room 16
Dedicated session	DS-23. Navigating geoscience and engineering challenges in offshore wind development. More than just a North Sea perspective	15:00 - 18:00	Room 13
Energy Transition	CCS & Waste Storage: Site Operations & Monitoring 3	15:00 - 18:00	Room 10
Energy Transition	Geothermal resource assessment strategies and community relationships	16:40 - 18:00	Room 9
Energy Transition	Novel approaches to Carbon reduction	15:00 - 16:20	Room 9
Geology	Outcrop Analogues	16:40 - 18:00	Room 15
Geology	Structural Geology - 2	15:00 - 16:20	Room 15
Geophysics	Acquisition Geometries & Hardware-Marine-2	15:00 - 16:20	Room 6
Geophysics	FWI - Velocities-5 - Uncertainty	15:00 - 16:20	Room 2
Geophysics	High Resolution for Shallow Subsurface	15:00 - 18:00	Room 3
Geophysics	Imaging Case Studies-3	16:40 - 18:00	Room 2
Geophysics	Micro & Passive Seismic - 2	15:00 - 16:20	Room 5
Geophysics	ML & AI for Seismic Imaging & Velocities-3	15:00 - 18:00	Room 18
Geophysics	ML & AI for Seismic Property Prediction I	15:00 - 18:00	Room 8
Geophysics	Multi Component	16:40 - 18:00	Room 6
Geophysics	Near-surface corrections	16:40 - 18:00	Room 5
Geophysics	Rock Physics-3	16:40 - 18:00	Room 17
Geophysics	Seismic Attributes	15:00 - 18:00	Room 7
Geophysics	Wavefield reconstruction and interpolation: physics vs AI	15:00 - 18:00	Room 4
Integrated Subsurface	Exploration Case Studies-3	15:00 - 16:20	Room 1
Integrated Subsurface	Fields in Development & Fields in Production	16:40 - 18:00	Room 1
Integrated Subsurface	Geo-mechanics & Pore Pressure - 2	15:00 - 16:20	Room 17
Integrated Subsurface	Unconventional	15:00 - 18:00	Room 11

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ROOM 1		ROOM 2		ROOM 3	
DS-22. Petroleum data acquisition and Energy Transition in France - 1		**FWI - Velocities-1 - Elastic**		**ML & AI for Seismic Imaging & Velocities-1**	
09:00	**The O&G Exploration during the last 100 years in France, some start up points… -** J. Biteau (Retired TotalEnergies)	09:00	**Structural Constraint Elastic Frequency Controllable Envelope Inversion Based on Automatic Differentiation -** Q. Du (Xi'an Jiaotong University)	09:00	**B-IntraSeismic: Uncertainty quantification in seismic inversion via implicit neural representations -** J. Romero (King Abdullah University Of Science And Technology)
09:20	**History of the Parentis oil field discovery, Aquitaine, France -** C. Bacchiana (Ex Exxonmobil)	09:20	**Fast Elastic Full Waveform Inversion by Dual Augmented Lagrangian -** K. Aghazade (Institute of Geophysics, Polish Academy of Sciences)	09:20	**Rapid Geophysical Inversion and Uncertainty Estimation of Field Seismic Data Using Invertible Neural Networks -** Y. Sun (TotalEnergies E&P Research & Technology USA)
09:40	**Esso-Rep exploration history in Aquitaine, France -** C. Bacchiana (Ex Exxonmobil)	09:40	**Reservoir-based Elastic Full-waveform Inversion: Maximizing Streamer Data Potential in Exploration -** S. Masclet (Viridien)	09:40	**An Uncertainty Quantification Method Using Normalizing Flow for Wavefield Reconstruction Inversion with Non-Gaussian Convex Priors -** Z. Fang (School of Resources and Environment, University of Electronic Science and Technology of China)
10:00	**Vermilion Energy France, a company contributing to the energy transition -** P. Etcheverry (Vermilion Energy)	10:00	**Glacier structure and icequakes characterization at Argentière using FWI -** A. Grange (Univ. Grenoble Alpes, CNRS, LJK; Univ. Grenoble Alpes, CNRS, ISTerre)	10:00	**Importance Sampling for Deep Learning-driven Seismic Inversion Uncertainty Quantification -** M. Araya-Polo (TotalEnergies Research & Technology US)
10:20	**Coffee Break**				
10:40	**100 years of exploration in the Paris Basin -** F. Hanot (CDP Consulting)	10:40	**High-resolution shear-wave velocity model building with elastic full-waveform inversion of multi-component ocean-bottom data -** C. Rest (Viridien)	10:40	**Enhancing Uncertainty Quantification Performance via Deep Learning-Assisted Markov Chain Monte Carlo -** A. Khan Mohammadi (Memorial University of Newfoundland)
11:00	**Paris Basin O&G Geology over the last 100 years -** J. Biteau (Retired TotalEnergies)	11:00	**Enhancing the Value of Converted-Wave Data through PS Full-Waveform Inversion at Ivar Aasen -** A. Bullock (SLB)	11:00	**Conditional image prior with stein variational gradient descent for uncertainty quantification in full waveform inversion -** L. Yang (China University Of Petroleum (east China))
11:20	**Unlocking the Potential and Revitalize a Mature Basin: A Case Study from a Rhaetian Oil Field -** F. Duboin (IPC Petroleum Corp.)	11:20	**Full waveform velocity and impedance inversion through OBN and DAS-VSP integration -** Y. Yang (BGP)	11:20	**Accelerating Stein variational gradient descent in full waveform inversion with diffusion models -** M.H. Taufik (King Abdullah University Of Science And Technology)
11:40	**Gas exploration and Production in Jura (France), a pathway to Hydrogen and Helium? -** H. Giouse (Self-employed)	11:40	**Joint Elastic FWI of OBS and DAS-VSP -** G. Apeland (SLB)	11:40	**Generative AI prior and posterior sampling for seismic imaging -** Y. Xie (Mines Paris, PSL Research University)
12:00	**Break**				
14:00	**Poster session**				
DS-22. Petroleum data acquisition and Energy Transition in France - 2		**FWI - Velocities-2 - Case Studies**		**Imaging Case Studies-1**	
15:00	**The Lodève basin ore deposits: An integrated model of polyphase metallogenic reactor from source to sink -** G. Fabre (CVA Engineering)	15:00	**Resolving structural distortions with FWI in ultra-shallow water Mega OBN, offshore Abu Dhabi -** X. Chen (Viridien)	15:00	**Resolving imaging challenges in the Niger Delta with seismic methods (FWI) assisted by potential fields -** D. Mondal (TGS)
15:20	**From Hydrocarbons to Geothermal Lithium: The Evolving Resource Legacy of the Upper Rhine Graben in Europe -** J. Vidal (Lithium De France)	15:20	**Using multiple reflectivities for velocity and reflectivity inversion of shallow-water OBC data -** R. Soubaras (Aker BP)	15:20	**A comprehensive seismic imaging for a large deep-water ocean-bottom nodes survey in Santos Basin, Brazil -** M. Carneiro (SLB)
15:40	**Carboniferous-Permian basins in the energy transition -** L. Beccaletto (Brgm)	15:40	**A Case Study of Full-Waveform Inversion based on Low-Frequency Land Data -** X. Zhang (BGP Inc.)	15:40	**Re-imaging of 2D acquisition in Brazil's Equatorial Margin via pseudo-3D model building -** J. Perdomo (D&I - SLB)
16:00	**3D Characterization of Aquifers in the Cenozoic Sedimentary Formations of the Paris Basin using Petroleum Data -** P. Audigane (BRGM)	16:00	**Application of FWI in Complex Mountainous Terrains based on First Arrival Waves -** Y. Liu (Southwest Geophysical Research Institute of BGP, CNPC)	16:00	**Multiparameter inversion of velocity and reflectivity applied to ocean bottom node data from offshore Brazil -** Ø. Korsmo (TGS)
16:20	**Coffee Break**				
16:40	**A Century of O&G Exploration in France: What is the legacy for the Energy Transition ? -** A. Bordenave (BRGM - French Geological Survey - Direction DCGS/GSB)	16:40	**Improving Subsalt Pre-Messinian Imaging in Egypt's Nile Delta, Offshore East Mediterranean, Using Time-Lag FWI -** S. Ghose (Chevron)	16:40	**New insights from legacy data: MP-FWI imaging in the Gulf of Paria -** M. Hartmann (Dug Technology)
17:00	**The seek for helium & natural hydrogen: an exploration facilitated by France's oil and gas heritage -** B. Hauville (45-8 ENERGY)	17:00	**Improved imaging through application of elastic FWI in the Nile Delta -** M. Romanenko (TGS)	17:00	**Enhancing reservoir imaging and interpretation: a dual-azimuth case study offshore Ghana -** Z. Greplowski (TGS)
17:20	**How France supports the reduction of hard to abate emissions through CCUS -** C. Paquier (Ministry Of Energy)	17:20	**Improving pre-salt imaging in the Kwanza basin with heritage data: an elastic FWI case study -** M. Kalita (SLB)	17:20	**Côte d'Ivoire: a fresh perspective of one of the most prospective exploration regions -** P. Gabrielli (Viridien)
17:40	**First global and consistent CO2 storage capacities estimation in European France (EVASTOCO2) -** A. Burnol (Brgm)	17:40	**One-way Waveform Inversion (OWI) for complex salt context -** A. Ben Hassine (OPERA: Applied Geophysical Research Group)	17:40	**Joint application of FWI and RTM in igneous rock areas: a case study from Bohai Oilfield -** M. Zhang (China University of Petroleum (Beijing); China Oilfield Services Limited)
18:00	**Petroleum Data and Energy Transition in France / Some comments and Conclusions -** J. Biteau (Retired TotalEnergies)				

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ROOM 4		ROOM 5		ROOM 6	
ML & AI for Seismic Processing-1		**Signal processing: phase, motion and resolution**		**DAS Imaging**	
09:00	**Multi-task seismic processing using generative diffusion models -** S. Cheng (KAUST)	09:00	**Fast and accurate cumulant-based mixed-phase wavelet estimation for high-resolution seismic data -** A. Egorov (RadExPro Seismic Software LLC)	09:00	**Experiences using DAS on a subsea control cable for seismic imaging -** M. Thompson (Equinor)
09:20	**Accelerating Marine Seismic Preprocessing with Machine Learning -** S. Baldock (TGS)	09:20	**Statistical Analysis of Seismic Phase Variability in Dense Data -** A. Bakulin (Bureau of Economic Geology, UT Austin)	09:20	**Getting quantitative with deep water seabed DAS: results from elastic inversion -** H. Klemm (TotalEnergies)
09:40	**Physics-Driven Self-Supervised Deep Learning for Free-Surface Multiple Elimination -** J. Sun (Faculty of Electrical Engineering, Mathematics and Computer Science, Delft University of Technology)	09:40	**Decoupled De-ghosting for Ultra-High Resolution Seismic Data -** A. Kumar (Shearwater GeoServices)	09:40	**Directly imaging of DAS data with reverse-time migration based on a pressure and strain-rate equation -** Y. Yu (China University Of Petroleum)
10:00	**Self-supervised free-surface multiple suppression -** S. Cheng (KAUST)	10:00	**Deghosting based on sparse Tau-P inversion in the mixed frequency-time domain -** W. Tan (BGP, CNPC; National Engineering Research Center of Oil & Gas Exploration Computer Software)	10:00	**Radiation and diffraction pattern analyses for elastic FWI using geophone and DAS data -** W. Zhou (King Fahd University of Petroleum & Minerals)
10:20	**Coffee Break**				
10:40	**Automatic Adaptive Subtraction with Unsupervised Machine Learning -** S. Phan (SLB)	10:40	**Source motion corrections for marine vibrator data: who's who and what they're not -** A. Robin (TotalEnergies OneTech)	10:40	**Three Images from One North Sea Dark Fibre - PP, PS, and Multiple Imaging -** M. Probst (Viridien)
11:00	**Unsupervised learning with frequency-guided constraints for improved hardrock seismic imaging -** L. Yang (Uppsala University)	11:00	**Full-track Processing of a Marine Vibrator Pilot Survey: Key Learnings and Path Forward -** M. Aharchaou (ExxonMobil Technology and Engineering)	11:00	**Joint Primary and Multiple Imaging - A Singular Imaging Route for 16 DAS-VSPs -** H. Moore (Viridien)
11:20	**Seismic Data Denoising Using a 3D Hybrid Network with Adaptive Convolution and Attention Mechanisms -** J. Chen (Zhejiang University)	11:20	**Bayesian orthogonal matching pursuit for seismic resolution enhancement and denoising -** K. Li (China University of Petroleum (East China))	11:20	**Seabed DAS at Ekofisk and Halfdan, North Sea: challenges and solutions for reflection imaging and FWI -** A. Calvert (TotalEnergies OneTech)
11:40	**Robust DAS Denoising Using a Self-Supervised Method with Kurtosis-Based Feature Selection -** Y. Cui (King Fahd University of Petroleum and Minerals)	11:40	**Leveraging a Pretrained Seismic Foundation Model for Seismic Resolution Enhancement -** H. Di (SLB)	11:40	**Compressional and shear wave velocity model building with DAS-VSP data -** T. Meng (Tongji University)
12:00	**Break**				
14:00	**Poster session**				
ML & AI for Seismic Processing-2		**Signal processing in practice**		**DAS Monitoring and DAS-VSP**	
15:00	**Superior Ultra-High Resolution Seismic Deghosting through Deep Learning with a Custom Autocorrelation Loss -** M. Faouzi Zizi (TGS)	15:00	**Utilising map based process QC attributes to optimise 3D seismic processing flows offshore Nigeria -** G. Stock (TGS)	15:00	**On imaging methods for distributed acoustic sensing data and the implications on subsurface monitoring solutions -** E.B. Raknes (Aker BP)
15:20	**Applications of Deep Learning-based Deghosting in Marine Seismic Data Processing -** R. Van Borselen (Shearwater)	15:20	**A practical processing solution for land node seismic data acquired in tropical rainforest area -** Y. Ren (BGP INC., CNPC)	15:20	**Results of Time-lapse Reservoir Monitoring from Seafloor Distributed Acoustic Sensing -** M. Thompson (Equinor)
15:40	**Intelligent Ghost Wave Suppression Based on Streamer Depth Variation Dataset -** D. Bao (China University Of Petroleum (beijing))	15:40	**OBN clipping correction for 4D processing and imaging -** M. Chappell (Viridien)	15:40	**Monitoring of a Shallow CO2 Controlled Release Experiment Using Time-lapse Analysis of Downhole DAS Rayleigh Waves -** O. Collet (Curtin University)
16:00	**Quantitative Assessment of Deep Learning-Based First Beak Picking -** X. Tao (China Oilfield Services Ltd)	16:00	**Estimate water column statics for deep-water seismic surveys -** J. Bai (AspenTech)	16:00	**Timelapse crosshole seismic with high-frequency source and DAS for CO2 migration monitoring -** N. Beloborodov (Curtin University)
16:20	**Coffee Break**				
		Noise attenuation			
16:40	**Seismic event detection with Fourier Neural Operator -** Y. Cui (King Fahd University of Petroleum and Minerals)	16:40	**OBN Vz noise attenuation in dual-tree complex wavelet domain -** L. Zhang (BGP, CNPC)	16:40	**Fiber-Optic Monitoring of Onshore Pipelines: Applications in Third party detection and Seismic Monitoring -** D. Nziengui Bâ (FEBUS Optics)
17:00	**Learning a robust 3D seismic data reconstruction operator using UFNO -** A. Traversa (King Fahd University Of Petroleum And Minerals)	17:00	**Unsupervised Learning for Ground Roll Attenuation with Frequency Band Similarity -** K. Wang (China University of Petroleum (Beijing))	17:00	**Hydraulic fracture propagation: Combined analysis of low-frequency DAS and microseismicity -** M. Van der Baan (University of Alberta)
17:20	**High-Resolution Seismic Data Reconstruction Driven by Multi-Source Data and Physical Model -** Z. Zhang (Tongji University)	17:20	**Self-supervised near-surface scattering denoising with Gabor-UNet and implicit slope representation -** Z. Zhou (Jilin University)	17:20	**Efficient DAS Vertical Incidence Walkaway VSP Offshore Norway -** R. Guerra (SLB)
17:40	**Efficient Deep Learning Method for 3-D Seismic Data Reconstruction: POCS with Dual-Channel CNN -** M. Zhang (China University of Petroleum-Beijing at Karamay)	17:40	**Integrated seismic exploration technology of acquisition, processing and interpretation for gas storage -** Q. Su (Research Institute of Petroleum Exploration & Development-Northwest(NWGI), PetroChina)	17:40	**A Case of Joint Seismic and 3D DAS VSP acquisition and processing in Bohai Bay Basin -** Y. Wang (Optical Science and Technology (Chengdu) Ltd.,CNPC)

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ROOM 7		ROOM 8		ROOM 9	
Time-Lapse (4D): survey design and case histories		**ML & AI for Seismic Facies Mapping**		**Seismic Reservoir Characterization of carbonates and shales**	
09:00	**Tailored workflows and quality controls for overburden-dedicated 4D seismic processing and inversion** - C. Agut (TotalEnergies)	09:00	**Deep Learning and Layer Thickness Information for Seismic Facies Analysis in a Brazilian pre-Salt Reservoir** - J. Fonseca (Petrobras)	09:00	**Geostatistical inversion for petrophysical properties constrained using maturity facies in shale reservoirs** - H. Chen (Tongji University)
09:20	**High-resolution seismic time-strain estimation** - J. Romero (King Abdullah University Of Science And Technology)	09:20	**Leveraging Visual Prompting to Fine-Tune the Segment Anything Model for Seismic Facies Analysis** - F. Jiang (Halliburton)	09:20	**Petrophysics driven exact nonlinear inversion and prediction of deep superior hydrocarbon source rocks** - X. Chen (China University Of Petroleum (East China))
09:40	**The Anatomy of Time-Lapse Seismic Cross-Plots for Separating Pressure and Saturation Effects** - P. Harris (Sharp Reflections Ltd)	09:40	**Interactive injectite mapping with minimal training data using self-supervised learning** - A. Ordonez (Norsk Regnesentral)	09:40	**Seismic Fracture Characterization of Unconventional Najmah Reservoir using Prestack Azimuthal Inversion: A Case Study in Kuwait** - L. Al Saleh (Kuwait Oil Company)
10:00	**A cost-efficient finite-frequency inversion method to estimate 4D velocity variations** - A. Ben Hassine (OPERA: Applied Geophysical Research Group)	10:00	**Utilizing Deep Learning for Carbonate Depositional Facies Modeling** - M. Li (SINOPEC Petroleum Exploration and Production Research Institute)	10:00	**Characterizing Mineral Brittleness Index in Shale Gas Reservoirs Using a Novel Elastic Impedance Inversion Method** - X. Lv (SINOPEC Geophysical Research Institute Co., Ltd.)
10:20	**Coffee Break**				
10:40	**Time-lapse up/down deconvolution with blended hexa-source and clipped dual-source at Valhall ocean-bottom node (OBN)** - A. Kanrar (SLB)	10:40	**Cross-Attention Enhanced Conditional Diffusion Model for Seismic Facies Analysis** - L. Zhou (Xi'an Jiaotong University)	10:40	**Reservoir Geophysics Technologies - Brazilian Experience** - P. Johann (Petrobras)
11:00	**The value of undershoot in 4D signal interpretation - Mariner 4D case study** - M. Wilk-Lopes (SLB)	11:00	**Prediction technology of channel sand body connectivity based on the Support Vector Machine algorithm** - J. Diao (cnooc(china National Offshore Oil Corporation) Ltd Tianjin Branch)	11:00	**Study on the spatial distribution characteristics of Ordovician fracture cavity bodies in Tarim Basin, China** - J. Yang (Sinopec geophysical research institute)
11:20	**Early Insights from the Second 4D Monitor Survey over the Catcher Fields** - P. Mitchell (Harbour Energy)	11:20	**Identifying AI Techniques for Detecting Geological Features in Seismic Data: Literature Review Method with GPT-4** - H.F. Saar (Institute For Technological Research - IPT)	11:20	**Seismic reservoir characterization of Wara Formation by prestack simultaneous inversion using low frequency model with faults** - T. Chen (Kuwait Oil Company)
		11:40	**Semi-supervised seismic facies prediction via Gaussian Mixture and Variational Models** - P.H. Silvany Sales (Petrobras)	11:40	**Application of seismic multi-wave amplitude attributes to dolomite prediction** - X. Guo (NWGI)
12:00	**Break**				
14:00	**Poster session**				
Time-Lapse (4D): processing and inversion		**ML & AI for Seismic Fault/Fracture Mapping**		**Seismic Reservoir Characterisation through inversion and linking to geology**	
15:00	**Time-lapse full-wave forward modelling: a methodology for designing sparse acquisitions** - V. Cabiativa (Mines ParisTech - Université PSL)	15:00	**3D Fault Imaging Enhanced by Frequency-Dependent CNN models and Fault Network analysis: A Barents Sea example** - A. Jaramillo (Halliburton - Landmark)	15:00	**Joint rock-physics-guided PP-PS seismic inversion** - J. Correa (University of Wyoming; Petrobras)
15:20	**Enhancing 4D Seismic Efficiency: Integrating Spot Seismic with Ultra-Deep Sparse Source Technology** - P.E. Dhelie (Aker BP)	15:20	**Seismic Waveform-Constrained Multi-Task Deep Learning Fracture Prediction– A Potential New Paradigm of Transfer learning** - Z. Song (Sinopec Petroleum Exploration and Production Research Institute)	15:20	**Best-Correlation-First principle for automated multi-horizon tracking** - Ø.M. Skjæveland (Equinor ASA)
15:40	**Repeatability analysis of continuous downhole DAS data from permanent seismic sources over 2.5 years of operation** - R. Isaenkov (Curtin University, Centre for Exploration Geophysics)	15:40	**Using AI for a data-driven multi-azimuthal fault study in South Arne, Danish North Sea** - H. Whittaker (Geoteric)	15:40	**Probabilistic inversion for stratigraphic interpretation in a poorly resolved unconventional reservoir** - E. Mutual (Qeye)
16:00	**4D PS-wave processing and imaging with trenched sensors at the Snorre field** - M. Gawron (Viridien)	16:00	**Deep-learning-based extraction of complex features used to clarify turbidite-volcanism interplay in the Campos Basin** - L. Tortarolo (Eliis)	16:00	**Elastic AVA Inversion of Non-Stationary Seismic Data: A Case Study** - M. Shahraeeni (TotalEnergies)
16:20	**Coffee Break**				
16:40	**4D Seismic Inversion Challenges, a Case Study on the Mature Albacora Leste field, Campos Basin, Brazil** - D. Lecerf (TGS)	16:40	**Fusion of multi-azimuth seismic coherence attributes based on unsupervised deep learning** - X. Huang (China University Of Petroleum (East China))	16:40	**Linking Bugs with Wiggles: The Age Gap Analysis Tool** - S. Hoth (Equinor ASA)
17:00	**Middle East carbonate 4D OBN case study: steering 4D processing with iterative 4D inversion** - S. Secker (TotalEnergies)	17:00	**Using geological knowledge to guide Machine Learning: Seismic fault interpretation of Puffin field, UK** - M. Aditiakusuma (Shell UK Limited)	17:00	**PyRGT: A Python-based Framework for Robust Relative Geological Time Estimation from Complex Seismic Data** - E. Aljishi (Aramco EXPEC ARC)
17:20	**The Importance of Velocity Model Updating for 4D Seismic: A Case Study** - J. Rushton (Shell Research Limite)	17:20	**A lightweight multi-scale deformable attention network for seismic fault detection** - S. Deng (China University Of Petroleum(east China))	17:20	**Stochastic inversion and its application in statistical estimation of reflection coefficient** - S. Sheng (Shanghai Institute of Technical Physics Chinese Academy of Sciences; WPI, School of Ocean and Earth Science, Tongji University)
17:40	**Travel-time tomography of 4D reverse VSP data for shallow CO2 injection enables plume detection and monitoring** - M. Vorobev (Curtin University, Centre for Exploration Geophysics)	17:40	**Human interpretation, machine learning and point processes for the identification of faults on seismic sections** - G. Caumon (Université de Lorraine - CNRS, GeoRessources - ENSG, RING; Institut Universitaire de France)	17:40	**Wave-Equation Inversion of a Class IIp System in the Tano Basin** - B. Tredrea (Murphy Exploration & Production Co.)

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ROOM 10		ROOM 11		ROOM 12	
CCS Screening & Site Characterisation 1 (part 1)		**DS-09. EOR During the Energy Transition**		**DS-12. Reactive Flow and Transport in Porous Media**	
09:00	**Onshore seismic survey for geological carbon storage: Thorning structure, Denmark -** J. Putnaite (Uppsala University)	09:00	**Enhanced Oil Recovery in the Energy Transition: A Review of Brazilian Technical Evolution -** P. Gusmao (Petrobras)	09:00	**Non-Isothermal Considerations of Coupled Wellbore-Reservoir Models for Reliable Estimation of CO2 Injectivity -** A. Rangrizshokri (University of Alberta)
09:20	**Optimising seismic data quality across multiple CO2 storage sites in the Greater Endurance area, UK -** A. Merry (TotalEnergies)	09:20	**Reassessing Polymer Flooding and the Outdated 'Primary, Secondary, Tertiary' Model -** A. Thomas (eppok)	09:20	**Dissolved-Water CO2 Injection as a Salt Precipitation Mitigation Strategy in CO2 Storage Processes in Saline Aquifers -** A. Papi (Research Centre for Carbon Solutions (RCCS), Heriot-watt University)
09:40	**AI Interpretation workflow to augment fault characterisation in CCS complexes – a Dutch North Sea example -** H. Whittaker (Geoteric)	09:40	**Recent Importance of Gas-based EOR -** M. Bourgeois (TotalEnergies)	09:40	**Understanding Salt Precipitation Dynamics during CO2 Injection into Saline Aquifers using Microfluidic Experiments -** K. Dąbrowski (Faculty of Drilling, Oil and Gas, AGH University)
10:00	**Geostatistical seismic inversion for Late Miocene deep-marine deposits characterization in the northern Gulf of Cádiz -** L. Azevedo (Instituto Superior Tecnico)			10:00	**CO2-induced salt crystallization in sandstone reservoirs: Significance for mechanical properties and containment in saline aquifers -** M. Nooraiepour (University of Oslo)
10:20	Coffee Break				
CCS Screening & Site Characterisation 1 (part 2)		**Dynamic Reservoir Characterisation & Modeling**			
10:40	**A methodology for estimating pressure-derived CO2 storage resources in saline aquifers with analytical models -** F. Adler (TotalEnergies SE)	10:40	**Integrated approach to quantify the gas transfer between two reservoir units in an Underground Gas Storage -** P. Egermann (Storengy)	10:40	**The fluid connectivity of continental margin basalt sequences for CO2 storage revealed by strontium isotopes -** S. Polteau (Institute For Energy Technology)
11:00	**The Pressure Space modelled with Basin scale CCS studies: UK North Sea -** P. Rowbotham (TRACS International Ltd.)	11:00	**Comparison of single porosity and dual porosity models for carbonate reservoir in the Eastern Siberia -** I. Snegireva (Independent researcher)	11:00	**Fault reactivation in the Caprock in CO2 storage projects: Insights from dynamic simulations at Mont Terri -** O. Dufour (TotalEnergies)
11:20	**Quantifying CO2 Plume Height Limits of Regional Seals Using Oil and Gas Field Data -** R. Jonk (University Of Aberdeen; ACT-GEO Consulting and Training)	11:20	**Study on micro-visualization seepage characteristics of CO2 flooding in ultra-low permeability reservoirs -** Q. Zhang (China ZhenHua Oil Co., Ltd.)	11:20	**Hydrogen exposure experiment of Zechstein 2 samples -** B. Emmel (Sintef)
11:40	***S*eal characterization for containment integrity in saline aquifer as potential storage site for CCS -** A. Widyanita (PETRONAS)	11:40	**An Analytical Stress Calculation as Part of a Geothermal Risk Management Toolbox – HEU URGENT Update -** E. Hernandez (VITO - Flemish Institute of Technological Research)		
12:00	Break				
14:00	**Poster session**				
CCS Screening & Site Characterisation 2 (part 1)		**Flow Simulation for O&G & CCS**			
15:00	**From MMV to 3MV: a modelling-based quantitative risk analysis optimizing CCS Monitoring, Measurement and Verification plans -** C. Sorgi (SLB New Energy - Carbon Solutions Technology)	15:00	**Fault Reactivation During CO2 Storage and Critical Limit of Shear Strength Coupled with 3D Geomechanical Model -** F.L. Damascena Silva (Federal University Of Ceara)		
15:20	**Probabilistic assessment of a CO2 storage complex prospect integrating leak and spill -** M. Neumaier (ArianeLogiX)	15:20	**Critical Role of Gravity-Capillarity Equilibrium on Displacement and Migration Dynamics of CO2 in Aquifers -** H. ALAMARA (CHLOE Research Laboratory; TotalEnergies CSTJF)		
15:40	**Facies uncertainty and clustering analysis of the Castellón saline aquifer, TarraCO2 storage project, Offshore Spain -** M. Mañas Fernández (Repsol Exploración)	15:40	**Uncertainty Quantification, Ensemble Model Calibration and Data Worth analysis for CO2 Geological Storage -** D. Di Curzio (Eni S.p.a.)		
16:00	**Optimization Under Geological Uncertainties for CO2 Injection in CCUS: A Case Study from the Lusitanian Basin -** K. Khudhur (CREATE, University of Évora, Évora, Portugal)	16:00	**CO2 Sequestration models enhancement and improved reliability using boundary conditions for regulatory approval purposes -** G. Oliveira (Computer Modelling Group)		
16:20	Coffee Break				
CCS Screening & Site Characterisation 2 (part 2)		**History Matching & 4D seismic**			
16:40	**Experimental investigation and numerical simulation of thermal cycling effects on the integrity of CO2 injection wells -** D. Javani (Ecole nationale des ponts et chaussées)	16:40	**Reservoir Model Update Using a 4D Flow-Based Distance to Front Objective Function -** P. Berthet (TotalEnergies One Tech)		
17:00	**Cement sheath simulation for integrity assessment of CO2 injection wells -** S. Ghabezloo (Ecole nationale des ponts et chaussées)	17:00	**History Matching under Big Loop Uncertainty, Industrial use -** T. Chugunova (TotalEnergies)		
17:20	**There is no capacity without containment: Legacy wells and site screening for subsurface carbon storage -** G. Lynn (Shell UK Limited)	17:20	**Insights on 4D Seismic History Matching for a Producing Field by Fitness Landscape Analysis -** P. Mitchell (Heriot-Watt University)		
17:40	**Experimental Study of Thermal Cycling Impacts on Cement Sheath Integrity in CO2 Storage Wells -** A. Moarefvand (Akkodis)	17:40	**4D seismic history matching with reservoir flow simulation proxy models, a real case study -** R. Amiri Kolajoobi (Heriot-watt University)		

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ROOM 13		ROOM 14		ROOM 15	
DS-15. Best of Geoenergy & Petroleum Geoscience		**DS-21. Geothermal Energy in France: A Game Changer for Accelerating Decarbonisation**		**Clastics Reservoirs**	
09:00	**THE FUTURE OF GEOENERGY – A PERSPECTIVE FROM 2025 -** S. Geiger (Delft University of Technology)	09:00	**With a national action plan, geothermal energy in France is moving up the energy policy agenda -** P. Laplaige (ADEME)	09:00	**Stratigraphy and Sedimentology of Aptian Continental Deposits in the Potiguar Basin, Brazilian Equatorial Margin -** B.R. De Barros Pereira (PETROBRAS)
09:20	**Triassic reservoirs of Ireland and Great Britain and their role in the energy transition -** K. English (University College Dublin; iCRAG (Irish Centre of Applied Geosciences); Stellar Geoscience Ltd.)	09:20	**New imaging technology for deep geothermal exploration -** M. Bellanger (TLS Geothermics)	09:20	**Cryptic Fabrics in Reservoir Rocks Revealed by X-Ray Microtomography -** M.E. TAXOPOULOU (Université de Pau et des Pays de l'Adour, E2S UPPA, CNRS, LFCR; Université de Pau et des Pays de l'Adour, E2S UPPA, CNRS, DMEX)
09:40	**Site characterisation of the Endurance CO2 store, Southern North Sea, UK -** C. Gibson-Poole (bp)	09:40	**Exploring the potential for geothermal valorisation in existing onshore oil concessions in France -** X. Lopez (Vermilion Energy)	09:40	**Depositional environments and reservoirs prediction via sequence stratigraphy principles, Dnieper-Donets Basin, Eastern Ukraine -** I. Karpenko (UGV (Naftogaz Group))
10:00	**The influence of salt tectonics on the distribution of the Triassic Skagerrak Formation in Ula Field -** L. Di Lauro (University of Aberdeen)	10:00	**Status of multi-stage EGS and the Haute-Sorne project in Canton Jura, Switzerland -** P. Meier (Geo-Energie Suisse AG)	10:00	**Optimizing Field Development of a Secondary Reservoir in a Mature Super Giant Field -** R. Al-Houti (Kuwait Oil Company)
10:20	**Coffee Break**				
DS-04. Modeling Subsurface Systems: Critical Minerals, Geothermal and Hydrogen					
10:40	**Generic Geological Process Modeling: Applications for Critical Minerals and Natural Hydrogen -** D. Palmowski (Terranta Gmbh)	10:40	**DALKIA: French geothermal leader, developing deep geothermal projects for decarbonizing urban heating and industry -** C. Baranger (Dalkia)	10:40	**Genesis and geological significance of pyrite in the Cretaceous shale of Songliao Basin, NE China -** Y. Wu (China university of Petroleum(East China))
11:00	**Hydrogen generation and solubility modelling at regional scales – Cooper Basin example -** A. Hartwig (Geos4 GmbH)	11:00	**Good practice guideline for managing seismicity induced by deep geothermal operations -** F. De Santis (Ineris)	11:00	**iddle-Late Permian Marine Shale-A New Series for Shale Gas exploration and development in China -** Q. Zhang (Research Institute of Petroleum Exploration and Development; National Energy Shale Gas R&D(Experiment)Centre)
11:20	**Modelling Radiolytic Natural Hydrogen Generation from Fractured Basements: A case study from the Taranaki Basin, New-Zealand -** M. Abdullahi (Géosciences Montpellier UMR5243, University of Montpellier)	11:20	**Temporal evolution and risk management of induced seismicity at the Rittershoffen geothermal plant (France) -** V. Maurer (ES Geothermie)	11:20	**Bedding-parallel fractures in deep lacustrine shales and their significance for hydrocarbon accumulation -** X. Du (China University Of Petroleum (Beijing))
11:40	**Quantifying Natural Hydrogen Exploration Hotspots, with the East and West -** D. Tierney (GETECH Group plc)	11:40	**Nature and intensity of debates on enhanced geothermal systems in France -** X. Arnauld De Sartre (Cnrs)	11:40	**Geological characteristics and models of fault-fold-fracture body in the Xujiahe Formation in Sichuan Basin, SW China -** J. LIU (Sinopec Petroleum Exploration & Production Research Institute)
12:00	**Break**				
14:00	**Poster session**				
DS-05. Deep-Seated Mineral Exploration: Advances for Terrestrial and Marine Deposits		**DS-19. Advances in geothermal carbonate reservoir characterisation**		**Depositional Systems**	
15:00	**Charting the Path to Mineral Deposits: Deep Targeting Strategies in Complex Geological Environments -** A. Malehmir (Uppsala University)	15:00	**The Role of Generative Artificial Intelligence in Improving Subsurface Characterization of Carbonate Reservoirs for Geothermal Applications -** C. John (Queen Mary University of London)	15:00	**Sequence stratigraphy and seismic geomorphology of the Jeanne d'Arc basin, Eastern Newfoundland: a chronostratigraphic update -** P. Jermannaud (Beicip Franlab)
15:20	**Norwegian seabed minerals: Status on resources, Oceanographic data, Technology and Impact Assessment -** E.H. Hartz (Aker BP)	15:20	**Numerical petrographic pore system analysis: Implications for geothermal reservoir characterization of the Muschelkalk in Northern Germany -** S. Maerz (Fraunhofer IEG, Fraunhofer Institution for Energy Infrastructures and Geotechnologies)	15:20	**Identification of a Lower Miocene Sedimentary Fairway in Salina Basin, Mexico: Insights from Seismic and Wells -** K. Onofre Alviso (Harbour Energy)
15:40	**Towards multi-scale multi-physics exploration of deep land mineral deposits -** M. Darnet (BRGM)	15:40	**Karstified Carbonate Reservoirs Powering Munich's Geothermal Revolution -** A. Fuhrmann (Stadtwerke München (SWM))	15:40	**A Review of the Post-Hercynian to Pre-Khuff Stratigraphy: Identifying Further Exploration Opportunity -** C. Gravestock (Halliburton)
16:00	**Reducing mineral exploration time with geophysics: a key challenge in securing the supply of raw materials -** C. Truffert (Iris Instruments)	16:00	**The impact of diagenesis on rock properties in geothermal carbonate reservoirs -** M. Mueller (Institute for Geology, Mineralogy and Geophysics, Ruhr-Universität Bochum)	16:00	**Evolution of South Caspian Pliocene depositional system: implication to Lower Productive Series (pre-Fasila) reservoir prediction -** E. Aliyeva (Socar)
16:20	**Coffee Break**				
		16:40	**Karstic complexity in geothermal exploration: petrophysical and mineralogical perspectives from Devonian carbonates -** M. Heinelt (Fraunhofer Research Institution for Energy Infrastructures and Geotechnologies IEG; Institute for Geology, Mineralogy and Geophysics, Ruhr-University Bochum)	16:40	**Orange and Pelotas Basins 3D Seismic Expression and Prospectivity of Turbiditic-Contouritic Depositional Systems -** K. Rodriguez (Searcher)
		17:00	**Next generation geothermal wells new drilling technology for the first time in horizontals -** J. Maalouf (SLB)	17:00	**Identification, Characterization and 3D Modeling of Progradational Clinoform in Delta System -** Y. Wang (RIPED CNPC)
				17:20	**Applying seismic-sedimentology and edge detection for determining the major sediment-supply direction of progradational systems -** R. Xiong (State Key Laboratory of Oil and Gas Reservoir Geology and Exploitation, Southwest Petroleum University; Petrochina Hangzhou Research Institute of Geology)
				17:40	**Depositional environents of the Roseneath-Epsilon-Murteree (REM) strata in the Cooper Basin, Australia -** F. Guo (Petroleum Exploration And Production Institute, SINOPEC)

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ROOM 16		ROOM 17		ROOM 18	
Carbonates & Evaporites		**Anisotropy & Fractured Reservoirs-1**		**Wavefield modeling 1**	
09:00	**Calibration of Multiscale Heterogeneities in Carbonate Reservoirs for CO2 Storage Modelling -** H. Menke (Heriot-Watt University)	09:00	**Brittleness and Fracture Detection Using Data-driven Optimal AVAZ Inversion -** L. Li (School of Resources and Environment, University of Electronic Science and Technology of China)	09:00	**Enhanced fluid-solid wavefield simulation based on mesoscopic kinetic theory model coupling -** C. Jiang (Qingdao Institute of marine geology, China Geological Survey)
09:20	**Origin and development pattern of high permeability streaks in thin carbonate reservoirs of in Middle East -** H. Han (CNPC)	09:20	**Multi-azimuth seismic fracture prediction of reef limestone oilfield in the South China Sea deep-water -** D. Liu (CNOOC China Limited, Shenzhen Branch)	09:20	**Comparison of acoustic wave simulation based on D3Q15-LBM and D3Q27-LBM -** C. Jiang (Qingdao Institute of marine geology, China Geological Survey)
09:40	**Unlocking the Diagenetic Evolution and Its Implications for Development Strategy: Case Study of Prabumenang Field, Indonesia -** E.F. Butarbutar (Pertamina Hulu Rokan)	09:40	**Research and Application of Fluid Prediction Technology for Fracture-Cavity Carbonate Reservoirs Based on 5D Seismic Data -** B. Liu (SINOPEC Geophysical Research Institute Co., Ltd.; China University of Petroleum (East China))	09:40	**Accuracy and Computational Efficiency of a 3D Viscoelastic Solver with Arbitrary Relaxation Mechanisms Using Devito DSL -** W. Lima (Federal University of Rio Grande Do Norte)
10:00	**In-Situ U-Pb Dating and Geochemical Characterization of Multi-Stage Calcite Cementation in Mishrif Formation, Mesopotamian Basin, Iraq -** H. Wang (Research Institute of Petroleum Exploration & Development, PetroChina)	10:00	**Two-step AVAZ inversion of fluid factor and fracture parameters in TTI medium -** Y. Tan (National Key Laboratory of Deep Oil and Gas, China University of Petroleum (East China); School of Geosciences, China University of Petroleum (East China))	10:00	**3D frequency-domain elastic wave modeling using a fourth- and second-order combined staggered-grid finite-difference scheme -** M. Wang (Harbin Institute Of Technology)
10:20	**Coffee Break**				
Static Geomodels					
10:40	**Ore deposit delineation: variability between interpreters and modeling implications -** P. Marchal (Université de Lorraine, CNRS, GeoRessources)	10:40	**Estimating fracture and fluid indicators using model constraints extracted from seismic attributes -** H. Chen (Tongji University, School of Ocean and Earth Science)	10:40	**Accelerating anisotropic elastic subsurface seismic modeling with dual-pair finite differences -** M. Irakarama (bp)
11:00	**Mechanical coupling and earthquake migration in the North China fault system -** Q. Zhang (Logging Technology Research Institute, China National Logging Corporation; Acoustic Research Center, China National Logging Corporation)	11:00	**Forward modelling of fault-controlled carbonate reservoir in Tarim Basin, China -** B. Zhu, K. Xiang (Tongji University; Sinopec Geophysical Research Institute)	11:00	**3D Numerical dispersion mitigation neural network to speed-up seismic modelling -** V. Lisitsa (Independent researcher)
11:20	**Reverse-Thinking in reservoir modelling: when dynamic data rules the game -** E. Baudia (CVA Group)	11:20	**Inversion for fracture indicators combining AVAZ and VVAZ features in azimuthal seismic data -** W. Gu (BGP,CNPC)	11:20	**Wave equation and neural solvers: what works and what needs to change? -** S. Mishra (Indian Institute of Technology Bombay)
11:40	**A saturation modelling method for reservoirs with tilted oil-water contact and free water level -** C. Ning (Research Institute Of Petroleum Exploration And Development, Petrochina)	11:40	**Approximate Brown-Korringa fluid substitution in VTI media -** C. Yang (School of Geophysics and Information Technology, China University of Geosciences (Beijing))	11:40	**Reflected waves from submarine valleys and canyons: numerical modeling to better understand prism waves -** B. Ursin (Nowegian University of Technology (NTNU))
12:00	**Break**				
14:00	**Poster session**				
ML & AI for Geological Characterisation-1		**Anisotropy & Fractured Reservoirs-2**		**Imaging Theory 1**	
15:00	**Robust Machine Learning for Automated Petrophysical Prediction of Siliciclastic and Carbonate Rocks from Optical Core Photographs -** M.N.A. Akbar (Prores AS)	15:00	**Fluid Identification in Pore-Fracture Tight Reservoirs Based on Anisotropic Rock Physics Experiments -** J. Xie (Chengdu University of Technology)	15:00	**Comparison of data- and image- domain linearized inversion via velocity-impedance parametrization -** P. Yang (Harbin Institute of Technology)
15:20	**ML-based salt characterization of the Zechstein Group, Norwegian North Sea -** D. Blancone (Universitetet I Stavanger)	15:20	**Estimation of Stress Parameters from Multi-wave Joint Inversion in Vertical Transversely Isotropic Media -** X. Chen (China University Of Petroleum (East China))	15:20	**Angle-dependent OBN imaging of primaries and all surface multiples via time-shift extended LSRTM -** E. Duveneck (Shell Global Solutions International B.V.)
15:40	**Instantaneous Predictions and Efficient Uncertainty Analysis of Basin and Reservoir Simulation Outcomes Using Multifidelity Machine Learning -** M. Ducros (Kognitus)	15:40	**Fracture prediction technique based on pre-stack and post-stack multi-attribute fusion -** J. Liu (Sinopec Geophysical Research Institute Co.,Ltd.)	15:40	**A κ-Generalized Least-Squares Reverse Time Migration Approach for Robust Seismic Imaging -** S.L. Da Silva (LAPPS, Federal University of Rio Grande do Norte; CNR c/o Politecnico di Torino)
16:00	**Machine Learning-Based Electrofacies Classification in Brazilian Pre-Salt Carbonates -** M. Martins (PRIO (PETRO RIO PETROLEO S.A.))	16:00	**Research and application of five-dimensional seismic interpretation in the characterization of fracture-cavity structures -** Y. Ma (Sinopec Geophysical Research Institute Co Ltd)	16:00	**SiameseLSRTM: A Siamese network-based least-squares reverse time migration -** X. Mu (King Abdullah University of Science and Technology)
16:20	**Coffee Break**				
16:40	**Real-Time Hydrocarbon-Water Contact Prediction in PMCD Operations Using Machine Learning -** K. Keeling (ThinkOnward)	16:40	**Acoustoelastic PP-wave amplitude variation with offset and azimuth inversion for stress-induced orthorhombic anisotropy -** X. Pan (National Engineering Research Center of Offshore Oil Exploration; School of Geosciences and Info-Physics, Central South University)	16:40	**Total-Variation regularised image-domain least-squares migration -** M. Ravasi (Shearwater GeoServices)
17:00	**Deep Learning Architectures for Predicting Geological Parameters of Pinch-Outs Using Deep Sensing Borehole Electromagnetic Instruments -** A.T. Alvi (University of Stavanger)	17:00	**Moveout inversion technique based on generalized moveout approximation -** R. Zhang (China University Of Petroleum (beijing))	17:00	**Least-squares Kirchhoff Imaging with a Simplified PSF Formula -** C. Zhou (TGS)
17:20	**Application of Machine Learning in Data Processing of Three-Detector Neutron Gamma Density Logging -** K. Rong (China University of Petroleum (East China))	17:20	**Azimuthal seismic amplitude-difference inversion in HTI medium based on Bayesian theory -** K. Xu (China University of Petroleum (East China); SINOPEC Geophysical Research Institute Co.)	17:20	**Fast Least-squares migration with ray-based Point-Spread-Function computation -** J. Wang (CNOOC Research Institute Co., Ltd.)
17:40	**Echoes of the Subsurface: Reviving Saudi Arabia Geological Heritage with Conversational AI -** B. Hungund (Halliburton)			17:40	**Cauchy-constrained least-squares Gaussian beam migration in vertical transverse isotropic media -** C. Zhao (China University Of Petroleum East China - Qingdao Campus)

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POSTER AREA

Poster session 1A: Non-Seismic Acquisition & Processing

14:00	**Preliminary magnetic and gravity inversions for the Yaouré Greenstone Belt region, Ivory Coast, West Africa -** V. Antunes (Centre for Exploration Targeting, The University of Western Australia)
	Reparametrized Inversion of Magnetotelluric Data Using Deep Model Prior - Y. Su (Jilin University)
	3D time-domain AEM modelling for mapping prediction of mineralized ore bodies - F. Dubois (BRGM)
	Physics-Trained Neural Network as Inverse Problem Solver for Potential Fields: Downward Continuation between Arbitrary Surfaces - J. Sun (Delft University of Technology)
	Forward Modeling of DC Resistivity Considering Terrain Undulations The Equivalent Resistor Network Circuit Approach - L. Feng (China University Of Petroleum (Beijing))
	Pilot-Well-Integration-Based Inversion Method for Anisotropic Resistivity in Horizontal Well - Y. Wu (Sinopec Geophysical Research Institute)

Poster session 1B - Seismic Acquisition & Processing 1

14:00	**Depth Velocity Model Building and Imaging for 3D UHRS site characterization surveys -** L. Limonta (TGS)
	Wave-field simulation with a free surface using a hybrid method combining SEM and FDM - Z. Ma (Tianjin University of Technology and Education; Lvliang Vocational and Technical College)
	High-resolution velocity analysis by sign time-shift semblance - R. Zhang (China University Of Petroleum (beijing))
	Proving the concept of blending and compressive sensing onshore Japan - T. Ishiyama (Inpex Corporation)
	Effective fracture network analysis in the Hydraulic Fracture Field Labs of Changqing Oil Field - F. Heng (BGP)
	The challenge of noise differences between OBN and OBC surveys based on Martin Linge 4D - M. Wilk-Lopes (SLB)
	Estimating Q-Factor from Vertical Seismic Profiling Using Deep Learning Models - S. Falah (School of Mining Engineering, College of Engineering, University of Tehran,)
	Passive seismic interferometry of Scholte waves using seabed distributed acoustic sensing in the Dutch North Sea - B. Boullenger (TNO, Geological Survey of the Netherlands)
	Optimizing Zipper Division and Splicing Methods for Efficient Large-Scale OBN Seismic Acquisition - Y. Yue (BGP,CNPC)
	Two New Indexes Relating Sensor Nature and Data Faithfulness to the Ground - W. Jidong (Sinopec, China)

Poster session 1C - Seismic Processing 1

14:00	**Receiver deghosting via a FISTA-based time domain sparsity-promoting Radon transform -** S. Khas Ahmadi (Dana Energy)
	Local Maximum Synchrosqueezing Matching Pursuit - X. Chen (China University Of Petroleum (East China))
	Nonlinear time-difference corrected geometric CMDP for low SNR first-break picking - C. Ning (Tongji University)
	Advancing Fault Detection Reliability: The Role of Deliberate Input Alteration - R. Sabzi (Bluware)
	Research on the Marchenko internal multiple elimination considering wavelet effects - Z. Liao (China University Of Petroleum-beijing)
	3D free interface multiple wave prediction based on Kirchhoff inverse migration - J. Zhang (China National Offshore Oil Corporation (CNOOC) Limited)
	Enhancing OBN data processing with curvature domain extended filtering for shear wave leakage noise attenuation - J. Zhang (China National Offshore Oil Corporation (CNOOC) Limited)
	An Adaptive Progressive Seismic Denoising Method for Enhancing Weak Seismic Signals - Y. Tian (State Key Laboratory of Deep Oil and Gas, China University Of Petroleum (East China))
	A new seismic random noise suppression approach based on CEEMD-CSWT method - J. Liu (Geophysical-China Oilfield Services Limited)
	An automated and fully data-driven workflow for computing refraction static corrections - D. Scarpellini (SLB)
	Automatic recognition of ambient seismic field signatures - S. Maciel (Universidade de Brasilia - UnB)
	Encoding spatio-temporal coordinates in seismic demultiple with convolutional neural networks - M. Fernandez (Fraunhofer ITWM)

Poster session 1D - Seismic Velocities & Imaging 1

14:00	**Detailed characterization of fracture-cavity reservoir based on omnidirectional angle domain imaging -** Y.Q. Ma (Sinopec geophysical research institute)
	An efficient RTM method using wavefield compression with combined time-space dimensions - T. Li (Tongji University)
	Dense point spread functions using encoded Born modelling and attribute migration - M. Cavalca (SLB)
	Colouring full-waveform modelling - R. Fletcher (SLB)
	Large-scale frequency-domain wave modeling with hybrid direct-iterative solver and domain-decomposition preconditioner: a tool for frequency-domain FWI - C. Pedebidou (University Côte d'Azur - CNRS - Géoazur)
	High-order immersed absorbing boundary condition in acoustic wave equation finite-difference modelling in presence of surface topography - K. Chen (BGP International, CNPC)
	Wavefield Response and Ray Path of Spherical Acoustic Waves in the Presence of an Interface - X. Fan (China University of Petroleum (Beijing))
	Diffraction wave separation and imaging by Encoder-decoder network embedded Transformer - M. Ma (Chinese Academy of Geological Sciences)
	Modelling separated orders of free-surface multiples by sequential finite-difference propagators and its applications to multiple imaging - B. Han (Chinese Academy of Sciences)
	Automatic Clustering for Updating Local Variogram Models in Geostatistical Seismic Inversion - S. Esmaeilzadeh (School of Mining Engineering, College of Engineering, University of Tehran)
	Fast-Converging PINN for Acoustic Wavefield Simulation Using Simplified Gabor Basis Functions - M.M. Abedi (BCAM)
	Research on automatic velocity spectra picking using AG-UNet3+ - M. Han (CNOOC Ltd Tianjin Branch)
	1D Velocity Model Prediction Based on Hybrid CNN for Imaging Subsea Permafrost - W. Kim (Chungbuk National University)
	3D time-dependent receiver extension for FWI - M. Benziane (Univ. Grenoble Alpes, ISTerre)
	Multiplier Method with Distance-Dependent Penalty Weights for Robust Source-Independent Waveform Inversion - K. Aghazade (Institute of Geophysics, Polish Academy of Sciences)
	Least-Squares Inversion for Seismic Attenuation via Born Approximation in the Time Domain - J. Moraes (University of Campinas)
	Joint full-waveform inversion for velocity and vector reflectivity - J. Bai (AspenTech)
	Fourier Series Imaging Condition for RTM and FWI Angle Gathers – Elastic and Beyond - Z. Feng (SLB)

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POSTER AREA

Poster session 1E - Seismic Interpretation 1

14:00	**Integrating Seismic Facies Analysis and Machine Learning for an Accelerated Regional Geologic Interpretation -** E. Aljishi (Aramco)
	The new fault detection approach based on ResU-Net deep learning network: Applications of Bohai K Oilfield - J. Liu (Geophysical-China Oilfield Services Limited)
	Efficient Pre-Stack AVO Inversion with CNN-BiLSTM for Accurate and Cost-Effective Reservoir Characterization - Z. Liu (School of Geoscience, China University of Petroleum (East China))
	Unsupervised Seismic Acoustic Impedance Inversion Based on Conditional Latent Diffusion Model - H. Chen (School of Information and Communications Engineering, Xi'an Jiaotong University)
	Seismic Attribute Generated Based On Dynamic Time Warping Algorithm - A. Cerqueira (Federal University Of Bahia; Grupo de Estudo e Aplicação de Inteligência Artificial em Geofísica; National Institute for Petroleum Geophysics)
	Seismic Attributes and Stratigraphic Architecture of Deep-marine Sediments in the Offshore Mahanadi Basin, India - N. Gungor (University Of Houston)
	Enhancing Time-Frequency Analysis in Seismic Signals with an Innovative Combined Representation - A. Pegah (School of Ocean and Earth Science, Tongji university)
	Effect of Background Heterogeneities on Attenuation and Dispersion in Fractured Porous Media - Z. Hou (University of Lausanne)
	Novel deep pressure-dependent shale anisotropy petrophysical modeling and exact VTI reflection coefficient - X. Chen (China University Of Petroleum (East China))
	Evaluation of rock physics models to estimate the dry bulk modulus of Brazilian carbonate rocks - M. Ceia (State University of Norte Fluminense (UENF))
	Experimental study of rock physics properties of CO2-saturated sandstone in different phases - Y. Ma (Sinopec Geophysical Research Institute Co.,Ltd.; Sinopec Key Laboratory of Geophysics)
	Complex reservoir lithology prediction using sedimentary facies controlled seismic inversion constrained by high resolution sequence - Z. Li (China University Of Petroleum, Beijing; The State Key Laboratory of Petroleum Resources and Prospecting)
	Hierarchical Bayesian seismic probabilistic inversion and lithofacies identification using PSO-MCMC global sampling algorithm - R. Chen (China University Of Petroleum (east China))
	Gas Saturation Prediction Based on Multi-Source Information Fusion and Machine Learning Introduction - M. Li (China University Of Petroleum, Beijing)
	High-precision Initial Model Construction by Extrapolating Borehole Data with Dynamic Time Differences Constraint - Y. Gu (China University Of Petroleum (Beijing))
	Simultaneous inversion of post-stack seismic time-lapse data - T. Kirkevik (Equinor ASA)

Poster session 2 - Geology 1

14:00	**Features of stratigraphy of the oil and gas regions of Azerbaijan -** M. Afandiyeva (Oil And Gas Institute of MSERA)
	Diagenesis and Its Influence on Reservoirs in Semi-Evaporitic Environment - F. Li (Research Institute of Petroleum Exploration & Development, Petrochina)
	Structural and Geochemical Controls on Unconventional Reservoir Potential of Upper Cretaceous AR/F Member in Northern Egypt - M. Gamal (Egypt Upstream Gateway)
	DFN modeling in a fractured carbonate in northern Apennines (Italy): new insights for geothermal energy production - F. Firouzbehi (University of Rome, La Sapienza)
	Optimizing Production from Low-Quality Reservoirs in Karangan Field, South Sumatra Basin: Insights from Bioturbated Sandstone Analysis - A. Gilang (Pertamina Hulu Rokan)
	Distribution Patterns of Turbidite Fans: Applied Analysis of the Pannonian and Western Siberian Basins - N. Gatina (NIS Scientific Center)
	Incised Valley Identification and Characterization Using a Multidisciplinary Approach. Case Study: Fm. Ciénega De Oro, Colombia - C. Jimenez Quintero (Hocol S.A)
	Assessment of Hydrocarbon Prospects in Pre-Tertiary Sequences within the Ganga Basin, India - J. Argal (Rajiv Gandhi Institute of Petroleum Technology)
	Intelligent Recognition of Seismic Facies Based on Pre-stack Seismic data Feature Extraction - J. Tang (Sinopec)
	Petroleum Migration Style In The Onshore Tarakan Basin, Indonesia - I. Saputra (JOB Pertamina-Medco E&P Simenggaris)
	Neural-Network Assisted Thickness Correction of Array Lateral Logging in Deviated Wells - D. Hao (China University Of Petroleum (East China))
	Study on the rock-electric characteristics by using P-wave velocity in cracked porous rocks - H. Meng (Petrochina Hangzhou Research Institute Of Geology; Tongji University)
	Deep-time geostress prediction based on plate motion model - J. Liu (Sinopec Geophysical Research Institute Co.,Ltd.)
	An integrated FAIR modelling approach to map Australia's subsurface - M. Bonnardot (Geoscience Australia)
	Characterization and static modelling of underground gas storage: case study from Central Europe - M. Preiss (Orlen S.A.)
	Machine Learning Method for Determining Mineral Content in Element Logging - F. Junting (China University of Petroleum)
	Deep Learning-Based Workflow for Stratigraphic Boundary Detection and Well Correlation - M.Q. Nasim (Dept. Of Geology and Geophysics, Indian Institute Of Technology, Kharagpur)
	Conditional sedimentary facies modeling based on the generative adversarial network driven by comprehensive attention mechanisms - L. Liu (College of Artificial Intelligence, China University of Petroleum (Beijing); National Key Laboratory of Petroleum Resources and Engineering, China University of Petroleum (Beijing); College of Geosciences, China University of Petroleum (Beijing))

Poster session 3 - Reservoir Engineering 1

14:00	**Predicting Key Properties of Porous Media using Convolutional Neural Networks -** S. Sadeghnejad (Friedrich Schiller University Jena)
	Developing injection strategies through Sensitivity analysis of Hydro-mechanical parameters for CO2-Enhanced Coal bed Methane recovery - P. Gupta (ONGC CBM Asset)
	Characterization Methods for Favorable Reservoir in Thick Bioclastic Limestone - F. Li (Research Institute of Petroleum Exploration & Development, Petrochina)
	Post-Stimulation Production Segmentation Prediction from Well-log Data: Leveraging Pipelines and SHAP for Interpretable Machine Learning Framework - L. Huang (Tongji University)
	Random Features Learning in Incremental Machine Learning: Fast Non-Linear Preconditioning for History Matching - A. Lechevallier (NORCE)
	Deep Reinforcement Learning-Based Well Placement Optimization Using a Time Series Proxy Model - W. Jo (Seoul National University)
	High Temperature Performance Evaluation and Toxicity Studies on Novel Biodegradable Drilling Fluid for HPHT Deepwater Drilling - G. Chauhan (Indian Institute of Petroleum and Energy, Visakhapatnam)
	Real case application with 3D multi-property latent diffusion model with minimal data independent latent space dimension - A. Yewgat (Aquila Data Enabler)
	Molecular Insights Into Deep Coalbed Methane Adsorption Behaviors And Production Mechanisms - G. Li (RIPED CNPC)
	An Integrated Deep Learning Framework for Predictive CO2 Storage Modelling - J. Ali (Indian Institute of Technology Kharagpur)

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Tuesday 3 June | Poster presentations

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POSTER AREA

Poster session 4 - Integrated Subsurface

14:00	**Joint Petrophysical Inversion of seismic and Resistivity Data Powered by Deep Learning -** Y. Wang (School of Geosciences and Info-Physics, Central South University; Hunan Key Laboratory of Nonferrous Resources and Geological Hazard Exploration)
	Relationship between water invasion and fault mechanical properties in ultra deep fractured gas reservoir development - L. Liu (Petrochina Tarim Oilfield Company)
	A three-detector logging method using D-D generator in sidetracking well for shale oil & gas reservoir - X. Zhang (China University of Petroleum(East China))
	Effects of Microscopic Pore Structure on the Spontaneous Imbibition of Longmaxi Shale - Y. Zhu (PetroChina Research Institute of Petroleum Exploration & Development)

Poster session 5 - Energy Transition 1

14:00	**Permeability impairment during CO2 injection into aquifer: effects of CO2 re-injection, clay content and salinity -** A. Keykhosravi (School of Chemical Engineering, The University of Adelaide, South Australia, Australia)
	Windfarm Soil Characterisation using Oil & Gas Reservoir Modelling Tools - L. Barens (TotalEnergies)
	A Hybrid Model of ANN and KNN for Predicting Reservoir Properties in Geothermal Resource Development - K. REDOUANE (Norwegian University Of Science And Technology - NTNU)
	The influence of temperature on the permeability of damaged granite - P. Baud (University of Strasbourg)
	Silicate Scale Prevention in Geothermal Brine Systems: Comparing the Mechanism and Performance of Two Polymer-Based Inhibitors/Dispersants - S. Mohammadi (Heriot-Watt University)
	DAS Seismic Exploration Using Two Boreholes of Mori Geothermal Power Plant in Hokkaido, Japan - J. Kasahara (ENAA; Shizuoka University)
	Underground Hydrogen Storage in Depleted Hydrocarbon Fields in Germany: A Capacity Assessment - A. Groeneweg (Fraunhofer IEG - Fraunhofer Research Institution for Energy Infrastructures and Geotechnologies)
	Assessing paleo-channel distribution for probabilistic offshore windfarm ground modelling using Multiple-Point Statistics - L. Siemann (Fraunhofer IWES)
	Effects of soil properties on thermal conductivity based on multiple linear regression - F. Saliba de Souza e Almeida (Fugro)
	Stratigraphic and Geomorphological Insights into Seal Performance in Cenozoic CCS Systems;A case study, Northern North Sea - S. Coskun (University of Manchester)
	Reservoir Integrity Assessment Through Displacement Inversion Using Numerical Modeling and Particle Swarm Optimization - R. Abdollahi (The University of Adelaide)
	An example of adaptive seismic monitoring of CCS using the SEAM CO2 model - M. Branston (SLB)
	Leveraging Machine Learning for Exception Diagnostics: Insights from Quest CCS Datasets - S. Minisini (Shell Global Solutions International B.V.)
	Evaluation of Downhole Water Sink Technology for Efficient CO2 Sequestration in the South Rumaila Oil Field - A. Almansor (Basrah University For Oil & Gas)
	Bifrost CCS project: a 3D finite element modelling of the storage complex response to CO2 injection - S. GRELAUD (TotalEnergies)
	From Source to Sink: Multi-Domain Analysis of CO2 Capture, Transport, and Storage in Global Contexts - N. Gupta (Querent AI LLC)
	Effects of impurities on CO2 in carbonate rocks – potential effect on storage scenarios - K.L. Feilberg (Technical University of Denmark)

Wednesday 4 June | Oral presentations

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ROOM 1		ROOM 2		ROOM 3	
Exploration Case Studies-1		**FWI - Velocities-3 - Convergence**		**Imaging Case Studies-2**	
09:00	**Exploring the Prospectivity of the Hawke Basin: Insights into an Emerging Frontier Region Offshore Labrador, Canada** - V. Mitchell (Oil And Gas Corporation Of Newfoundland And Labrador)	09:00	**Algorithmic and practical aspects of TV regularization for joint time-lapse FWI** - T. Rolin (University Côte d'Azur (UCA) - CNRS - Geoazur)	09:00	**BEST OF IMAGE: Sparse ocean bottom node seismic interferometry and inversion: A Gulf of Mexico study** - I.L. Chen Ning (Chevron Technical Center)
09:20	**Untapped Hydrocarbon Potential of the Deepwater Rovuma and Save Basins** - S. Tewari (SLB)	09:20	**Time-dependent receiver extension for FWI: a dynamic programming approach** - M. Benziane (Univ. Grenoble Alpes, ISTerre)	09:20	**Imaging feasibility study for opportunistic sparse seismic DAS acquisition: contribution of Image Domain Least Squares Migration** - L. Gallin (Opera - Applied Geophysical Research Group)
09:40	**Unlocking Deep Gas Stratigraphic Trap: Amin Formation, North Oman** - A. Al Hajri (PDO)	09:40	**Quadratic Wasserstein metric full waveform inversion using the excitation representation of the source wavefield** - G. Li (China University Of Petroleum (East China))	09:40	**Unlocking Subsurface Insights: Accelerated Exploration at the Runovschyna Salt Dome, Ukraine** - C. Rudling (Tetra tech RPS Energy)
10:00	**New Exploration Play Concepts in the North Sumatra Basin, Indonesia: Insights from Around Timpan-1** - M. Reynald (Halliburton)	10:00	**Multiparameter elastic full waveform inversion with composite alternating misfit functions** - C. Rivera (TotalEnergies Research and Technology, Houston, USA)	10:00	**Galactic 2D Seismic Imaging Study, Phase 1: benchmarking exercise** - R. Eliott-Lockhart (Woodside Energy)
10:20	**Coffee Break**				
10:40	**The Tectono-Stratigraphic Evolution of the Ulleung Basin, South Korea: Implications for Hydrocarbon Prospectivity** - R. Jonk (Act-Geo)	10:40	**Implicit full waveform inversion with energy-weighted gradient** - S. Wang (King Abdullah University of Science and Technology)	10:40	**Galactic 2D Seismic Imaging Study, Phase 2: novel technologies** - H. Debens (Woodside Energy)
11:00	**Sub-Thrust Jurassic Play Prospectivity in the Austrian Segment of the Eastern Alps Foreland Fold-and-Thrust Belt** - P. Pace (PACE Geoscience)	11:00	**Full-waveform inversion using Annealed Stein Variational Gradient Descent in a compressed space for salt body reconstruction** - F. Rincon (University Of Pisa)	11:00	**Imaging domain least-square migration method and application in ultra-deep thin reservoir high-resolution imaging** - H.H. Zeng (Research Institute of Petroleum Exploration & Development-Northwest (NWGI), PetroChina)
11:20	**Internal architecture analysis of strike-slip fault damage zone in Fuman Oilfield, Tarim Basin, NW China** - Y. SUN (Petrochina Tarim Oilfield Company)	11:20	**A Strategy for Accelerating Convergence and Enhancing Accuracy in Full Waveform Inversion** - W. Lide (Research Institute Of Petroleum Exploration & Development-northwest (nwgi), Petrochina)	11:20	**Efficient Data-Domain Least-Squares Reverse Time Migration with Source Estimation: Application to 3D Land Data** - Y.S. Kim (Saudi Aramco)
11:40	**Tectonic Constraints and Reciprocal Sedimentation in Hauterivian to Aptian Strata (Intrashelf Clastic and Carbonate), Saudi Arabia** - M. Alvarez (Aramco)	11:40	**Multi-DiffusionInv: Prior-Based Multi-Constraint Full Wave Inversion by Generative Diffusion Models** - H. Zhang (China University Of Petroleum (East China))	11:40	**Integrated Seismic Modelling and Imaging of Physical Models** - C. Willacy (Shell Research Limited, Reservoir Integrity & Containment, Shell Center)
12:00	**Break**				
Multi-Disciplinary Studies		**FWI - Velocities-4 - 4D, gridding and ML**		**FWI - Imaging-1 - Case Studies**	
14:20	**BEST OF IMAGE: Diagenesis and pore pressure induced dim spots – advances on AVO analysis of high-impedance reservoirs** - A. Pessoa (Petrobras)	14:20	**Time-Lapse FWI: integration into reservoir monitoring?** - N. Da Silva (TotalEnergies)	14:20	**High-resolution land FWI under dunes in the Sultanate of Oman: taking advantage of continuous recordings** - M. Reinier (Viridien)
14:40	**BEST OF IMAGE: Enhancing reservoir characterization through isochore mapping of geobodies integrated with relative geological time model** - A. Fernandez (Eliis Inc.)	14:40	**4D Full-Waveform Inversion using Towed Streamer Data: Improving Production Monitoring in Shallow Injectite Reservoirs** - M. Oleszuk (Viridien)	14:40	**Revealing a shallow faulted reservoir with high-resolution FWI: an onshore sub-Saharan case-study** - P. Plasterie (Viridien)
15:00	**A Conditional Diffusion Model for CO2 Monitoring and Forecasting in Heterogeneous Geological Formations** - V. De Pellegrini (Kaust)	15:00	**Spectral-Element FWI: A High-Fidelity Alternative to Finite-Difference for Complex Geophysical Challenges** - L. Casasanta (Shearwater Geoservices)	15:00	**Utilizing high-frequency elastic full-waveform inversion to overcome imaging challenges caused by a complex shallow overburden** - P. Dubiel (Viridien)
15:20	**Advancing Geophysical Inspection with Multi-Modal Data Simulation and 3D VR Interaction** - N. Zong (University of Liverpool)	15:20	**Multiparameter elastic FWI with spectral elements: synthetic and field examples** - R. Caiza-Grijalva (University Côte d'Azur - CNRS - Geoazur)	15:20	**Revealing complex subsalt Mesozoic using Time-lag FWI and FWI Imaging in onshore Mexico** - R. Kumar (Viridien)
15:40	**Coffee break**				
16:00	**Multidisciplinary surface logging approach for unconventional potential assessment of Dnieper-Donets Basin Rudov Beds hot shales (Ukraine)** - S. Levoniuk (Ukrgasvydobuvannya)	16:00	**Full Waveform Inversion with CNN-Driven Velocity Refinement** - X. Mu (King Abdullah University of Science and Technology)	16:00	**High-resolution imaging and migration velocities estimation for land seismic data, a full wavefield approach** - B. El-Marhfoul (Delphi Studio for Imaging)
16:20	**Enhancing the value of the Venus, Namibia Field Development through an Integrated Asset Modelling Approach** - M. Darde (TotalEnergies)	16:20	**Self-supervised Deep Learning Framework for Multi-Source Full Wave Inversion** - O. M. Saad (KAUST)	16:20	**Unlocking Subsurface Complexity: High-Frequency Full-Waveform Inversion Applied to an Onshore Hydrocarbon-Producing Field** - K. Zhang (Chevron USA Inc)
16:40	**Strategic Sand Risk Classification of Oil Wells for Enhanced Sand Management** - G. Rzayeva (eiLink R&D Center)	16:40	**Deep-learning-based time shift estimation for Full Waveform Inversion** - M. Alfarhan (King Abdullah University Of Science And Technology)	16:40	**Illuminating the near surface using the full wavefield in ultra-shallow water via MP-FWI Imaging** - J. Chaloner (DUG Technology)
		17:00	**Using a pretrained neural representation of seismic data for generative velocity model prediction** - R. Harsuko (King Abdullah University of Science and Technology)	17:00	**High-resolution FWI model building for imaging, a West Africa example** - L. Janot (Viridien)

Technical Programme

Wednesday 4 June | Oral presentations

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ROOM 4		ROOM 5		ROOM 6	
ML & AI for Seismic Processing-3		**EM Methods 1**		**Advanced DAS Acquisition and Processing**	
09:00	**Conditionally guided diffusion sampling for enhanced North Viking Graben velocity model building -** M.H. Taufik (King Abdullah University Of Science And Technology)	09:00	**Combining TDEM and ERT for robust characterization of a fumarolic system in a stratovolcano dome -** M. Angulo (Industrial University Of Santander)	09:00	**Trial Application of Distributed Helical Wound Optical Cable in Onshore Seismic Acquisition -** J. Zhu (Sinopec Geophysical Corporation R&D Center)
09:20	**Volumetric estimation of local kinematic wavefront attributes from prestack seismic data through deep learning -** I. Silvestrov (PGSK)	09:20	**Ensemble-based inversion of structural geological models with borehole EM measurements -** K. Fossum (NORCE Norwegian Research Centre AS)	09:20	**Multi-component distributed acoustic sensing simulation using a novel stress and strain-rate elastic wave equation -** Z. Chong (China University Of Petroleum (east China))
09:40	**A Brief Comparative Analysis of Geostatistics and Deep Learning for Seismic Data Interpolation -** J. Lalanne (TotalEnergies)	09:40	**Localized ensemble-based inversion of ERT data: synthetic test and application to mining exploration -** A. Vinciguerra (University of Strasbourg - CNRS - ITES)	09:40	**Urban DAS data enhancement and coherent noise removal with deep learning -** A. Bauer (University of Hamburg)
10:00	**Estimating far field signature from near field hydrophone for marine seismic using artificial neural network -** A. Vishwakarma (Institute of Geophysics, Polish Academy of Science)	10:00	**Electric and Magnetic fields in contactless Cathodic Protection measurements along pipelines -** T. Rekdal (Argeo Robotics)	10:00	**Phase Arrival Segmentation in DAS Images with Synthetic Data and Automated Labeling using Machine Learning -** W. Tegtow (Freie Universität Berlin)
10:20	**Coffee Break**				
				Borehole Seismic Methods	
10:40	**Generative modeling of seismic data using diffusion models and its application to multi-purpose seismic inverse problems** - C. Meng (Xi'an Jiaotong University)	10:40	**Fast evaluation of Helmholtz equation using Proper Orthogonal Decomposition and Neural Networks -** A. Quiaro (University of Alberta)	10:40	**Finite-Difference Modeling of Multipole Borehole Acoustic Waveforms in Cracked Porous Formations -** Y. Liu (Eindhoven University of Technology)
11:00	**Constrained Diffusion for Seismic Data Reconstruction Using Deep Image and Generative Prior -** L.M. Rodríguez-López (Universidad Industrial de Santander)	11:00	**Logging-while-drilling resistivity measurement for navigating horizontal wells in highly resistive coal mines -** K. Yang (China University Of Petroleum (East China))	11:00	**A high-performance numerical simulation method for acoustic remote detection imaging in fractured reservoirs -** K. Ma (China University Of Petroleum (beijing))
11:20	**Efficient 3D velocity model building using conditional generative diffusion through reconstruction guidance -** M.H. Taufik (King Abdullah University Of Science And Technology)	11:20	**Geoelectric structures modelling around unconformity-related uranium deposits through joint inversion of electromagnetic and electrical data -** A. Mohand-said (Universite de Strabourg - CNRS - ITES)	11:20	**Joint Migration Inversion of Vertical Seismic Profile full-wavefield data offshore Abu Dhabi -** T. Ishiyama (Inpex Corporation)
11:40	**Microseismic Event Localization Using Conditional Diffusion Model -** D. Wamriew (King Abdullah University of Science and Technology)	11:40	**Rover-based magnetic field mapping for the subsurface exploration on Vulcano, Italy -** S. Umurzakova (Constructor University)	11:40	**Concatenation-based Convolutional Neural Networks for Microannulus Detection and Characterization in Casedhole using Ultrasonic Pulse-Echo Measurement -** A. Abdollahian (School of Resources and Environment, University of Electronic Science and Technology of China)
12:00	**Break**				
ML & AI for Seismic Processing-4		**EM Methods 2**		**Acquisition Geometries & Hardware-Marine-1**	
14:20	**Multimodal Contrastive Learning on Time Series: Application to Various Scenario for Seismic Monitoring on Mars -** M. Malfante (CEA, LIST, Grenoble, F-38000)	14:20	**Sensitivity of CSEM response for monitoring CO2 plume using wellbore infrastructure -** A. Ghaderi (SINTEF)	14:20	**"Drop & Pop" 3C submersed floating OBN for cost-effective marine seismic acquisition -** D. Lecerf (TGS)
14:40	**Enabling deep-learning-based uncertainty quantification at scale for post-stack UHR seismic inversion -** G. Rizzuti (Shearwater Geoservices)	14:40	**Impact of pine cultivation on soil water content in Zapatoca, Santander, using geophysical measurements -** B.K. Herrera Hernandez (Universidad Industrial de Santander)	14:40	**Advanced techniques for marine vibrator source motion correction -** I. Holmedal (Viridien)
15:00	**Estimating 3D Seismic Volume Data from 2D Line Data Using the VQ-VAE Framework -** J. Lee (Seoul National University)	15:00	**Enhancing Magnetotelluric Data Processing through Robust Smoothing Techniques -** H. Parnian-Khoy (University of Tehran)	15:00	**OBN Acquisition cost optimization and its impact on reservoir characterization: A shallow water case study -** B. Pagliccia (TotalEnergies)
15:20	**Intelligent Surface Wave Noise Suppression Technique and Its Application to Real Data -** Y. Tao (Sinopec geophysical research institute co., Ltd.)	15:20	**Time Domain Inversion of One-Dimensional Magnetotelluric Data -** Y. Kan (University Of Edinburgh)	15:20	**Reducing underwater sound using conventional and modified airgun arrays: impact levels for low-impact sources -** X. Campman (Shell Global Solutions International B.V.)
15:40	**Coffee break**				
		Potential Field Methods and Remote Sensing			
16:00	**Multi-round deep learning based on SCU-Net for seismic data denoising -** Y. Qi (Zhejiang University)	16:00	**Calibration of shipborne vector magnetometer data using line turns -** V. Schifano (ITES - University of Strasbourg/CNRS/ENGEES)	16:00	**Imaging with compact, low-impact sources -** X. Campman (Shell Global Solutions International B.V.)
16:20	**Simultaneous Localization and Moment Tensor Inversion of Microseismic Events Using Convolutional Neural Network -** D. Wamriew (King Abdullah University of Science and Technology)	16:20	**Next-Generation Quantum Gravity Sensors for Geophysical Applications: New Insights from the FIQUgS Project -** D. Sampietro (Geomatics Research & Development srl; Istituto Nazionale di Geofisica e Vulcanologia)	16:20	**Small airgun source to reduce environmental footprint: is it compatible with deep target? -** P. Charron (TotalEnergies)
16:40	**Intelligent high-resolution processing method and application: A case of ultra-deep thin reservoir in Sichuan basin -** H.H. Zeng (Research Institute of Petroleum Exploration & Development-Northwest(NWGI), PetroChina)	16:40	**Deep Boundary Detection Methody in Gravity Data Using Hybrid Axial Constraints -** M. Xu (Institute of Geophysical and Geochemical Exploration,Chinese Geological Suvey)	16:40	**Bandwidth Controlled Sources and OBN MEMS – A Perfect Symbiosis in Seismic Surveying -** S. Rentsch (Shearwater Geoservices)
17:00	**Unsupervised Seismic Facies Classification with A Three-Parameter S-Scattering Transform -** Y. Zhang (Xi'an Jiaotong University)	17:00	**Magnetic Inversion into Induced and Remanent Magnetisation to Identify Geothermal and Lithium Resources: Energy Transition Strategies -** M. Jorgensen (TechnoImaging; University of Utah)	17:00	**Acquisition analysis for imaging and FWI: An OBN decimation study in the East Nile Delta -** A. Crosby (BP)

Wednesday 4 June | Oral presentations

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ROOM 7		ROOM 8		ROOM 9	
Simultaneous Source		**Seismic Reservoir monitoring and characterisation**		**Seismic Inversion for reservoir characterisation and lithology prediction**	
09:00	**Ultralow-frequency enhanced-source marine seismic hardware configuration and data acquisition: survey design and source separation -** B. Esinov (SLB)	09:00	**4D seismic signal detectability in pre-salt carbonate domain and survey design impact -** Z. Renat (TotalEnergies)	09:00	**3D Seismic Exploration Technology Integrating Production Information Help Increase Production of Coalbed Methane -** T. Wang (CNPC.; Institute of Sedimentary Geology, Chengdu University of Technology)
09:20	**Mitigating Airgun Seismic Interference on Phase-Sequenced Marine Vibrator Data -** A. Kumar (Shearwater GeoServices)	09:20	**How fluid miscibility impacts 4D seismic signal in conventional or CO2 storage reservoir? -** D. Rappin (TotalEnergies)	09:20	**Precise Prediction of Fault-Fracture Reservoirs in the Southern Margin of Ordos Basin Using AI Technology -** Z. Yang (Exploration And Production Research Institute, Sinopec; Sinopec key laboratory of oil & gas reservoir geophysics)
09:40	**How to gain efficiency with a Low Frequency Source on all types of seismic surveys ? -** J. Large (Sercel)	09:40	**Seismic and Geologic Insights from the Ultra-Deep Resistivity Data of the New Successful Bittern Field Producer -** F. Henriet (Dana Petroleum)	09:40	**Enhanced Geostatistical inversion workflow: Case study from the Neuquen Basin -** E. Valeff (Tecpetrol)
10:00	**Vibroseis multi-frequency simultaneous sweep method -** T. Wei (BGP, CNPC)	10:00	**Guillemot North-West Field: Comparison of Seismic and Ultra-Deep Resistivity Imaging on a 2024 Infill Producer -** S. Pegg (Dana Petroleum)	10:00	**Stochastic Prospect Assessment Workflow – Example of the Poseidon Case Study -** S. Philit (Eliis)
10:20	**Coffee Break**				
		Monitoring			
10:40	**Vibroseis acquisition robust to ambient noise using pseudo-random sweeps and noise-aware deconvolution -** B. Tayart (Smart Seismic Solutions)	10:40	**Assessment of non-linear pressure sensitivity using frequently acquired seismic data -** F. Jafarizadeh (Heriot-Watt University)	10:40	**Geostatistical Seismic Inversion for Optimizing and Identifying New Opportunities in a Multi-Reservoir Offshore Field, Southern Mexico -** R. Guedez (GeoSoftware)
11:00	**A high efficiency vibroseis acquisition method based on orthogonal sweep in time-frequency domain -** Y. Zhang (BGP)	11:00	**Joint interpretation of 4D PP and PS amplitudes at the Snorre field -** S. Østmo (Equinor)	11:00	**Stochastic Inversion by Trace Matching for Net-to-Gross Reservoir Property Prediction: Atoll Turbidite Reservoir Case Study -** N. Nagra (BP)
11:20	**Research and test of gas explosion source -** J. Wang (Bgp; HeBei Seismic Acquisition Technology Institute)	11:20	**Anomalous softening signal in a clastic reservoir explained by pore collapse -** G. Côrte (Heriot-Watt University)	11:20	**Depth-domain direct inversion based on depth-variant wavelet under Geo-structure constraints -** K. Li (SINOPEC Geophysical Research Institute Co.,Ltd.)
		11:40	**A 4D seismic interpreter's guide to pressure sensitivity for O&G and CCS projects -** C. MacBeth (Heriot-Watt University)	11:40	**Application of Inversion Method Constrained by Multi-Lithofacies in Reservoir Prediction for the D Structure in Bohai -** T. Liu (China National Offshore Oil Corporation (CNOOC) Ltd Tian Jin Branch)
12:00	**Break**				
Quantitative Interpretation & AVO-1		**ML & AI for Seismic Structural Interpretation**		**DS-01. Opportunities and Challenges for Onshore CCS**	
14:20	**BRAVOS: Utilising cloud technology to liberate AVO synthetics for improved subsurface insights -** G. Mackenzie (Equinor ASA)	14:20	**Automated Modeling and Uncertainty Analysis of Fold Structures Integrating Domain Knowledge Graphs -** X. Xu (Research Institute of Petroleum Exploration & Development(NWGI),petrochina; Key Laboratory of Internet of Things,CNPC)	14:20	**Web-based reservoir simulation: Applications for carbon storage -** N. Andrianov (Geological Survey Of Denmark And Greenland (geus))
14:40	**Deep learning-based nonstationary prestack seismic inversion in depth domain -** M. Ma (Chinese Academy of Geological Sciences)	14:40	**Seismic And Label Quality Assessment: A Framework For Improving AI Models For Seismic Interpretation -** S. Mirza (University Of Houston)	14:40	**Offshore Geologic Sequestration into Saline Aquifers. Challenges and Opportunities Compared to Operational Onshore Projects -** C.W. Cavalieri Rodriguez (SLB)
15:00	**Automating Post-stack Seismic Inversion via a Seismic Foundation Model-powered Dual-MLP Workflow -** H. Di (SLB)	15:00	**3D Meandering Channels Segmentation from Seismic Data Using AI -** O. Mammadov (WAVERITY)	15:00	**Lessons from the Otway International Test Centre for Onshore CO2 Geological Storage -** M. Watson (CO2CRC)
15:20	**Pushing the envelope for resolution in seismic inversion -** K. Osypov (Halliburton)	15:20	**Construction of Knowledge Graphs for Complex Geological Bodies and Guidance Methods for Intelligent Structural Modelling -** X. Xu (Research Institute of Petroleum Exploration & Development(NWGI),petrochina; Key Laboratory of Internet of Things,CNPC)	15:20	**Lacq CO2 Capture and Storage demonstration pilot, 2010-2016 with a focus on storage -** S. Thibeau (TotalEnergies)
15:40	**Coffee break**				
16:00	**Informed Spectral integration for an improved Seismic Reservoir characterization -** A. Marini (Eni S.p.A.)	16:00	**Advances in Scaling and Architecture of 3D Foundation Models for Seismic Data -** T. Sansal (TGS)	16:00	**Integrated site characterisation for onshore CO2 storage in France– The PilotSTRATEGY case study -** A. Bordenave (BRGM - French Geological Survey)
16:20	**Two-term and three-term AVO approximation for facies classification -** D. Grana (University of Wyoming)	16:20	**Fast Reference-Based Geofeature Extraction by Seismic Foundation Model -** H. Di (SLB)	16:20	**Developing a Carbon Storage Site in Slovakia via Conversion of a Depleted Gas Field -** C. Holloway (SLB)
16:40	**Seismic Characterizing of the Permian Gharif Reservoir using Conventional and Machine Learning Approaches, Sultanate of Oman -** O. Al-Harrasi (PDO - Petroleum Development Oman)	16:40	**Hierarchical SOMs: Bridging Local and Global Patterns in Multi-Attribute Seismic Data -** A. Karimzadanzabi (TU Delft)	16:40	**Analysis of technical challenges for large-scale geological carbon storage: A western Canadian perspective -** B. Kolkman-quinn (Carbon Management Canada)
17:00	**Seismic fluid detection with deep learning elastic property prediction and rock physics -** A. Heir (RagnaRock Geo)	17:00	**Fine-tuning of Seismic Interpretation Foundation Model for Seismic Structure Interpretation Scenarios -** D. Chang (Petrochina)		

Technical Programme

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ROOM 10		ROOM 11		ROOM 13	
CCS Screening & Site Characterisation 3		**Production Optimisation & EOR**		**DS-14. Exploration & Production of Unconventional Lithium**	
09:00	**Mapping French Depleted Fields CO2 Storage Capacities using pressure derived approaches: Toward French CO2 Storage Development? -** V. Guillon (IFP Energies Nouvelles)	09:00	**Improving Imbibition Recovery in High-Asphaltene Tight Oil Reservoirs Using Nano-Enhanced Water-Based Emulsions: Performance and Mechanism -** M. Cao (China University of Petroleum (East China))	09:00	**Findings on the origin of lithium enrichment in brines in the Altmark gas field area, Germany -** J. Böcker (Neptune Energy)
09:20	**Quantification of reservoir heterogeneities and their impacts on CO2 plume geometry -** F. Lira (Delft University Of Technology)	09:20	**Current Status Of Polymer Flooding In Heavy Oil Fields: When Performances Beat Theory -** E. Delamaide (IFP Technologies (Canada) Inc.)	09:20	**Altmark Lithium Extraction – Redevelopment of a brine-based Lithium Resource, Altmark Gas Field, Saxony-Anhalt, Germany -** A.A.O. Wenke (Neptune Energy)
09:40	**Analytical Approach for Rapid CO2 Injection Rate Prediction during Large-Scale Screening -** A. Darvish Sarvestani (Imperial College London)	09:40	**The development of encapsulated surfactant compositions with prolonged action and controlled properties for efficient oil displacement -** A. Chekalov (Independent researcher)	09:40	**Geological and exploration concepts for geothermal lithium with application to the Upper Rhine Graben -** A. Richard (GeoRessources - Université de Lorraine)
10:00	**Geological Carbon Storage in Atlantic Canada sedimentary basins: quantitative screening, play elements and risk analysis -** F. Richards (Dalhousie University; Nova Scotia Department of Natural Resources and Renewables)	10:00	**Scaling up of Surfactant EOR Field Implementation in an Offshore Field Through Optimal Pilot Design -** A. Kumar (North Oil Company (NOC))	10:00	**Heat and Lithium from geothermal brines in northern Alsace, France -** R. Millot (Lithium de France)
10:20	**Coffee Break**				
CCS Screening & Site Characterisation 4					
10:40	**A deeper understanding of Sleipner's CO2 pre-injection geology through the stratigraphic continuity attribute -** R. Van Eykenhof (Lumina Geophysical LLC)	10:40	**Development Optimization of Critically Sour Omani Oil Fields coupled with CCUS opportunities using Integrated Modeling -** V. Pathak (SPE)	10:40	**Integrated Geothermal and Lithium Exploration in the URG: Structural and sedimentological interpretation of Borehole Image Data -** C. Schmidt (Vulcan Energie Ressourcen GmbH)
11:00	**A Reduced-Physics Approach to Screening CO2 Stores Applied to the Elephant, a Potential Open Aquifer Site -** A. Butler (University of Cambridge)	11:00	**Closed-loop Workflow for Short-term Optimization of Wind-powered Reservoir Management -** M. Methlie Nilsen (NORCE Norwegian Research Centre; University of Bergen)	11:00	**Deep Saline Aquifers as an Emerging Resource for Direct Lithium Extraction (DLE): Learnings from Alberta, Canada -** C. Doornbos (E3 Lithium)
11:20	**Sealing potential of the Ebro Formation, offshore Ebro Basin: Implications for the safe storage of CO2 -** A. Martín Monge (Repsol Exploración, SA)	11:20	**Comparing three different methods for production optimization -** A. Stordal (NORCE)	11:20	**Regional mapping of lithium content within formation water and produced water in Onshore & Offshore Brazil -** J. Espindola (University Of São Paulo)
11:40	**Screening and Selection of CO2 Storage Sites in the Upper Miocene, Song Hong Basin, Offshore Vietnam -** T. Nguyen Quang (Vietnam Petroleum Institute)	11:40	**Experimental and Numerical Simulation of Foam for Co-optimizing the Methods of Oil Recovery and CO2 Storage -** A. Bello (Eco Energy LLC)		
12:00	**Break**				
CCS & Waste Storage: Site Operations & Monitoring 1		**Well Construction, Performance & Work-Overs**		**Hydrogen storage reservoir characterisation and technology**	
14:20	**Full-wavefield imaging the Sleipner CO2 plume using full-azimuth OBN data -** R. Martinez (Viridien)	14:20	**Novel Emulsified Epoxy System for Mitigating Sand Production in Gas Wells -** Q. Sahu (Saudi Aramco)	14:20	**How Useful Are the Existing Core-Flooding Derived Hydrogen-Water Relative Permeabilities for Modelling Underground Hydrogen Storage? -** G. Wang (Heriot-Watt University)
14:40	**Designing a Monitoring Plan for the Endurance CO2 Store, Southern North Sea, UK -** J. Tarasewicz (bp)	14:40	**Experimental Measurement and Numerical Simulation Study on Multi-string Leak Detection Based on Noise Logging -** M. Zhang (China University of Petroleum(East China))	14:40	**Microfluidics Study on Reactive Transport Characteristics and Process Time Scales in GeoMethanation -** P. Jasek (Montanuniversität Leoben)
15:00	**Quantitative seismic interpretation of CO2 injections in a carbonate saline aquifer onshore Abu Dhabi -** O.H. Kirstetter (SLB)	15:00	**Toward Improved Demulsification Strategies: Key Factors Contributing to Tight Emulsions in Oilfields -** Q. Sahu (Saudi Aramco)	15:00	**Evaluating Hydrogen Sorption in Shale: Effects of Mineral Composition and Sample Treatment -** M. Masoudi (SINTEF Industry; University of Oslo)
15:20	**Differentiating between uniform and patchy saturation using direct P-wave amplitudes and traveltimes measured by downhole DAS -** B. Gurevich (Curtin University)			15:20	**Underground Hydrogen Storage and In-Situ Methanation: Reactive Transport investigations via CT-assisted Core Flooding experiments -** G. Stiedl (Department Geoenergy, Montanuniversität)
15:40	**Coffee break**				
		ML & AI for Production Optimisation & Forecast			
16:00	**Joint Bayesian Seismic-Electromagnetic Inversion for CO2 Monitoring: A Synthetic Case Study from the Johansen Formation -** V. Entezar-Saadat (Memorial University of Newfoundland)	16:00	**Rapid Simulation for Dynamic Spatial Data Using U-Net and Diffusive Time of Flight -** Y. Kim (Seoul National University)	16:00	**Impact of Reservoir Heterogeneity on Microbial and Geochemical Reactions During Underground Hydrogen Storage -** A. Shojaee (Heriot-Watt University)
16:20	**Onshore sparse seismic monitoring design scenario using permanent sources and receivers -** B. Kolkman-quinn (Carbon Management Canada)	16:20	**A Scalable Deep Learning Surrogate Model for Efficient Reservoir Performance Prediction under Geological Uncertainties -** M. Onur (The University of Tulsa,)	16:20	**Diffusional Mixing in Miscible Gas Displacement During Underground Hydrogen Storage -** H. ALAMARA (CHLOE Research Laboratory; TotalEnergies CSTJF)
16:40	**Monitoring CO2 injection in the Viking CCS project using offshore time-lapse gravity -** H. Yan (Reach Subsea)	16:40	**Ensemble Production Forecasting Using FPCA-ARIMA: Application to Wells in the Canadian Duvernay Formation -** H. Hamdi (University of Calgary)	16:40	**Underground hydrogen storage: modeling gas mixing during injection of hydrogen in a natural gas salt cavern -** Y. Le Gallo (Geostock)
17:00	**4D Gravity Monitoring for CCS – some (synthetic) examples -** A. Price (TotalEnergies/OneTech)	17:00	**Comparative Analysis of Data Augmentation Methods for Well Log Data -** J. Marchezi (University Of Campinas)	17:00	**Hydrogen Storage in Salt Cavities: Advanced Cement Solutions -** M.O. Benmesbah (TotalEnergies)

Room with Headsets Connection.

Wednesday 4 June | Oral presentations

Last updated 2 May 2025

ROOM 14		ROOM 15		ROOM 16	
Geothermal exploration		**Petroleum Systems**		**ML & AI for Geological Characterisation-2**	
09:00	**Legacy data analysis and integrated geological and geophysical survey for geothermal site exploration at Lesvos, Greece -** G. Apostolopoulos (National Technical University of Athens)	09:00	**Derisking source rock potential through geochemical analysis of seabed samples -** P. Rodriguez (ANCAP)	09:00	**Estimation of mean porosity using multiple neural network models for the Mesa de Los Santos -** S. Garcia (Universidad Industrial De Santander)
09:20	**Energy transition from fossil fuel to geothermal – a case study from India -** S. Sharma (Doon Valley International School)	09:20	**A 3D Model for Quantifying Subsidence and Thermal Evolution in Extensional Basins -** J. Guigon (Laboratory of Computational Methods in Engineering, Federal University of Rio de Janeiro)	09:20	**Machine learning application in exploration: source rocks predictions from logs -** Y. Kedzierski (TotalEnergies)
09:40	**Evaluation of the Geothermal Potential on the South-East of Gran Canaria -** M.M. De Nooijer (Delft University of Technology)	09:40	**Assessing Exploration Potential of the Equatorial Margin: A review of the Brazilian and African Conjugate Margins -** C. Gravestock (Halliburton)	09:40	**Advanced Static Model Screening using Machine Learning -** D. Contreras (OMV-Petrom)
10:00	**Geoscan Île-de-France: Integrating New and Vintage Data to Foster Development of Deep Geothermal Projects -** A. Stopin (BGRM)	10:00	**Hydrocarbon phase, column heights and their prediction – Cases from Papua New Guinea and Australia -** M. Neumaier (ArianeLogiX)	10:00	**Facies Classification: Quantifying Machine Learning Predictions Uncertainty -** E. Ortiz (Rock Flow Dynamics)
10:20	**Coffee Break**				
10:40	**Derisking Potential of Seismic in Geothermal Exploration: A Case Study from Beiuș, Romania -** J. Muzi (PSS-GEO)	10:40	**Allocating multi-well oil production in the Norwegian Sea using polar compounds geochemistry -** N. Mahlstedt (Geos4 Gmbh)	10:40	**A Novel Saturation Evaluation Method Based on NMR T1-T2 Spectrum in Unconventional Reservoirs -** W. Xiangyu (China University of Petroleum (Beijing))
11:00	**Multiphysics structural modelling for deep geothermal exploration in Northern Ireland -** S. Ratti (SLB)	11:00	**Fracture-pore facies types and enrichment models of shale oil (tight oil) in Lucaogou Formation, Jimsar Sag -** Z. Zeyuan (China University Of Petroleum (east China))	11:00	**A Novel Approach to Automate Stratigraphic Boundary Interpretation from Microfossils using Generative AI -** K. Conte (SLB)
11:20	**Insights from integrated geological and seismic modelling of fluvial geothermal reservoirs -** B. Gesbert (Delft University Of Technology)	11:20	**Study on the formation mechanism and reservoir control of deep volcanic reservoirs -** L. Liang (China University Of Petroleum)	11:20	**An optimized XGBoost approach to prospectivity modelling of orogenic gold systems in the Granites-Tanami Orogen, Australia -** B. Roshanravan (University of Birjand; Birjand University of Technology)
11:40	**Workflows, Data and Modelling Technologies for Geothermal Heat Exploration: From Industry Standard to State-of-the-Art -** L. Janku (Czech Geological Survey)			11:40	**Application of Machine Learning in Fracture Density Prediction for Granite Basement Reservoirs using Well Log Data -** H.A. Nguyen (Vietnam Petroleum Institute)
12:00	**Break**				
Geothermal technologies		**Petrophysics & Core Data**		**DS-16. The role of basin modeling in opening new plays**	
14:20	**DAS/DTS Survey in Kijiyama Geothermal Field in Japan Using Two Geothermal Boreholes Perpendicular to Each Other -** J. Kasahara (ENAA; Shizuoka University)	14:20	**An assessment of stratigraphic sequence interpretation from well log data using Continuous Wavelet Transform -** L. Letellier (University of Lorraine; ASGA RING)	14:20	**The Algerian Offshore Basin – the potential next Exploration frontier in the Mediterranean -** K. Kornpihl (SLB)
14:40	**Application of Superconducting Quantum Magnetic Sensors Based Transient Electromagnetic Method (SQUID-TEM) for Geothermal Resource Exploration -** M. Zhdanov (Technolmaging LLC; CEMI, University of Utah)	14:40	**Resistivity response and identification of volatile oil in low-permeability carbonate reservoirs -** H. Han (RIPED, CNPC)	14:40	**20 Years of Basin Modeling in Angola: New Perspectives on the Lower Congo Basin -** C. Fillon (TotalEnergies)
15:00	**Fracture analysis using borehole televiewer logs in Þeistareykir geothermal system, NE Iceland -** Aastha (University Of Leeds)	15:00	**Comprehensive Evaluation of Abnormal Resistivity and Reservoir Properties in Sandstone Reservoirs -** H.A. Nguyen (Vietnam Petroleum Institute)	15:00	**The Role of Petroleum System Modeling in Unlocking Unconventional Plays in Central Banat Depression, Serbia -** G. Bogicevic (STC NIS-Naftagas LLC)
15:20	**The well trajectory design workflow for optimization of geothermal resources development -** D. Janiga (AGH University of Krakow)	15:20	**Clay volume calculation from acoustic and density curves using the Gyllenhammar equation -** T. Nekrasova (Pre Stack Solution-Geo)	15:20	**Kinetic models in risk and play performance evaluation of the mid-North Sea -** A. Hartwig (Geos4 GmbH)
15:40	**Coffee break**				
				DS-02. Advances in quantitative analysis of reservoir materials and processes	
16:00	**Optimizing Geothermal Reservoirs: Enhanced Natural State Representation -** R. Chassagne (BRGM)	16:00	**Cloud-Native Automated Multi-Well and Multi-log Correlation using Dynamic Time Warping and Machine Learning -** M. Ducros (Kognitus)	16:00	**Quantitative mineralogy of drill cuttings by calibrated SEM-EDS mapping and lithofacies classification: method and case study -** C. Fialips (TotalEnergies)
16:20	**Two Examples of New Possibilities for Geothermal Energy: CEEGS and CRM-Geothermal Projects -** I. Vukovic Kartal (European Federation Of Geologists)	16:20	**FMI Signature of the Low Resistivity Pay (LRP) in Lower Acacus Reservoir, Northern Ghadames Basin-NW Libya -** A. Elmasli (AGOCO)	16:20	**Quantifying Textures and Components in Carbonate Reservoirs Using Computer Vision -** C. John (Queen Mary University of London)
16:40	**Towards Conceptual-Model Based Exploration and Appraisal of Geothermal Resources: The FindHeat Project -** S. Geiger (Delft University of Technology)	16:40	**Carbon dioxide storage efficiency in saline aquifers: Mechanistic insights using modern digital imaging techniques -** J. Liu (Institute Of Disaster Prevention)	16:40	**Automated Petrography via a Two-Stage Deep Learning Workflow for Textural and Mineralogical Analysis -** F. Azzam (Paris Saclay University)
17:00	**Seismic exploration for geothermal development in Toulouse : an integrated exploration program effectively mitigate the risks -** A. Martin (Engie Solutions)	17:00	**3D Photogrammetry of Core Samples from Petroleum Reservoirs -** J. Silva (PETREC)	17:00	**Tectonostratigraphy of the Arabian Platform: Insights from U/Pb chronometry in calcite cements and microporous micrite -** X. Mangenot (H-Expertise Services)

Room with Headsets Connection.

Technical Programme

Wednesday 4 June | Oral presentations

Last updated 2 May 2025

ROOM 17		ROOM 18	
Rock Physics-1		**Imaging theory 2**	
09:00	**A pragmatic rock physics model for cementation and rock-fluid interaction during CO2 injection -** H. Heidari (Heriot-Watt University)	09:00	**Least squares redatuming with attenuation compensation -** J. Gu (Tongji University)
09:20	**The Influences of Fluid Distribution Heterogeneity on Seismic Wave Dispersion and Attenuation Signatures -** X. Qiu (Tongji University; State Key Laboratory of Marine Geology, Tongji University)	09:20	**Poroelastic reverse time migration based on true-amplitude vector wavefield decomposition -** Y. Tian (State Key Laboratory of Deep Oil and Gas, China University Of Petroleum (East China))
09:40	**Attenuation measurements in fluid-saturated and thermally cracked Fontainebleau sandstone -** G. Flores (Institute of Earth Sciences, Université De Lausanne; Laboratoire de Géologie, École normale supérieure, PSL Research University)	09:40	**Robust joint imaging and tomographic Q-estimation based on full wavefield matching using a machine learning constraint -** M. Safari (Delft University of Technology)
10:00	**A unified model for gas hydrate bearing sediments under different generation environments -** R. Zhao (China University of Geosciences (Beijing))	10:00	**Viscoacoustic Reverse Time Migration Based on the Region Staining Algorithm -** J. Song (State Key Laboratory of Deep Oil and Gas (China University of Petroleum (East China))
10:20	Coffee Break		
10:40	**How karsts presence changes seismic velocities: combining digital and physical experimentations -** P. Debec (TotalEnergies)	10:40	**Modeling viscoacoustic wave propagation based on GSLS model and its application in Q-RTM calculated by finite-difference -** L. Gao (The State Key Laboratory of Deep Oil and Gas, China University of Petroleum (East China); Sinopec Northwest Oil Field Company)
11:00	**An Experimental Study of the Elastic Properties of Oil-saturated Sandstone During the CO2 Flooding Process -** C. Xu (School of Ocean and Earth Science, Tongji University; State Key Laboratory of Marine Geology, Tongji University)	11:00	**Reverse time migration of a moving source -** N. Kazemi (Université du Québec à Montréal)
11:20	**2D-to-3D Digital Rock Reconstruction Using a Diffusion Model Constrained by Multimodal Information -** S. Hou (China University of Petroleum (East China))	11:20	**Fourier finite-difference prestack depth migration of steeply dipping structures using prismatic reflections -** Q. Zhang (State Key Laboratory of Deep Oil and Gas (China University of Petroleum (East China))
11:40	**Elastic dispersion of artificial rock samples with paralleled fractures revealed by laboratory experiments and modeling -** J. Wang (CNOOC Research Institute Co., Ltd.)	11:40	**A CNN-POCS method for the sparse acquisition Marchenko imaging method -** Z. Xu (State Key Laboratory of Deep Oil and Gas (China University of Petroleum (East China))
12:00	Break		
Rock Physics-2		**Wavefield Modeling 2 & Diffraction imaging**	
14:20	**Understanding Brown and Korringa poroelasticity -** L. Thomsen (University of Houston; Delta Geophysics)	14:20	**The formation mechanism and quantitative analysis of the imbricated first-arrival characteristics -** H. Zhu (Jilin University)
14:40	**The effects of temperature-induced crack deformation on the electrical properties of cracked rocks -** Y. Yang (China University Of Petroleum (east China); National Key Laboratory of Deep Oil and Gas)	14:40	**Energy-flux velocity vector and complex Snell's law-based ray tracing in layered viscoelastic anisotropic materials -** X. Liu (CPG/ King Fahd University of Petroleum and Minerals)
15:00	**Seismoelectric surface wave measurements induced by an acoustic wave at a fluid-porous sandstone interface -** Y. Liu (Eindhoven University of Technology)	15:00	**A generative neural operator for seismic wavefield representation -** S. Cheng (KAUST)
15:20	**Dynamic Elastic Moduli at Broad Frequency Band and Static Experiments on Reservoir Rocks under Different Pressures -** J. Ni (China University of Petroleum (Beijing))	15:20	**A novel wave-field separation approach based on directional radiating sources -** R. Valensi (Opera - Applied Geophysical Research Group)
15:40	Coffee break		
16:00	**Effect of pressure conditions on elastic properties of sandstones: insights from distributed acoustic sensing laboratory measurements -** O. Collet (Curtin University)	16:00	**Vertex diffraction coefficient and wavefield characteristic -** J. Yang (State Key Laboratory for Fine Exploration and Intelligent Development of Coal Resources; College of Geoscience and Surveying Engineering, China University of Mining & Technology (Beijing))
16:20	**Understanding Elastic Properties of Sandstone Reservoirs and Anisotropic Drake Shale Using Rock Physics for CO2 Storage -** U. Durmus (Turkish Petroleum Corporation)	16:20	**Detecting a scatterer in a 3D elastic medium using shear waves and a multi-scattering wavefield -** I. Rochlin (Geophysical Institute of Israel (GII))
16:40	**Effects of water saturation on the elastic dispersion and attenuation of tight sandstones in seismic band -** X. Qing (China University of Petroleum (Beijing))	16:40	**Characterization of caves on homogeneous features using seismic diffraction in the dip-angle domain -** K. Xiang (Sinopec Geophysical Research Institute Co.Ltd)
17:00	**Dispersion and attenuation of P-waves in partially saturated rocks with microcracks -** X. Hu (State Key Laboratory of Marine Geology, Tongji University)	17:00	**Wave-equation-based diffraction imaging constrained by structural information -** K. Xiang (Sinopec Geophysical Research Institute Co.Ltd)

Room with Headsets Connection.

Thursday 5 June | Oral presentations

Last updated 2 May 2025

ROOM 1		ROOM 2		ROOM 3	
Exploration Case Studies-2		**Velocity Model Case Studies**		**FWI - Imaging-2 - Theory and multi-parameter**	
09:00	**A Correlation-Based Framework for Minimum Economic Field Size Prediction in Deepwater Exploration:Case Studies from South America** - Y. Shen (Cnpc)	09:00	**Ocean-bottom seismic and high-frequency FWI for improved imaging and depth prognosis - North Sea case study** - Y. Ivanov (Aker BP ASA)	09:00	**Efficient Direct Inversion of the Data-Space Hessian for Time-Domain Extended-Source Full Waveform Inversion** - M. Sonbolestan (Institute Of Geophysics, Polish Academy Of Sciences)
09:20	**Identification and geological validation of AVO-driven opportunities in infrastructure-led settings: examples from NW Europe** - D. Went (TGS)	09:20	**K15-L13-K18-L16 3D: The Netherlands' first OBN survey addresses pre-salt imaging challenges** - J. Beishuizen (Shell Global Solutions International B.V.)	09:20	**Towards a unified view of uncertainty quantification methods for full waveform inversion** - P. Marchner (Univ. Grenoble Alpes, ISTerre)
09:40	**Challenges in multi-segment prospect assessment: correlations and risk dependencies** - M. Neumaier (ArianeLogiX)	09:40	**A velocity model-building approach for the Red Sea using elastic FWI and potential field data** - W. Ibanez (SLB)	09:40	**Least-squares reverse time migration of OBN data with Kirchhoff-Helmholtz boundary conditions** - Y. Zhang (Tongji University)
10:00	**Push-down seismic anomaly as an exploration target in the Pannonian basin, Serbia** - R. Chesnokov (NIS STC)	10:00	**Estimating injection-induced Vp changes using cross-well seismic full-waveform inversion at the Aquistore CO2 storage site, Canada** - G. Fabien-Ouellet (Polytechnique Montreal)	10:00	**Testing the Ability of Cross-Well Imaging for Monitoring CO2 Plumes** - Y. Yang (King Abdullah University of Science and Technology)
10:20	Coffee break				
10:40	**Lithologic Delineation and Site Suitability Assessment Via Machine Learning-Optimized Geophysical and SPT-N Approaches** - M. Dick (University Sains Malaysia; Akwa Ibom State Polytecnic)	10:40	**Full Waveform Inversion on Land Seismic Data: Enhancing Subsurface Imaging through Dynamic Matching Objective Function** - Y.S. Kim (Saudi Aramco)	10:40	**Dip-constrained pseudo angle common-image gather** - L. Liu (Aramco Research Center - Beijing, Aramco Asia)
11:00	**Re-evaluating Biodegradation risk for shallow buried reservoirs** - T. Rives (TotalEnergies E & P Africa)	11:00	**When onshore FWI Imaging delineates unseeable outcropping salt body: a case study from Sultanate of Oman** - G. Culianez (Viridien)	11:00	**Leveraging Angle Gathers for Refining Subsurface Models in Multi-Parameter FWI** - N. Chemingui (TGS)
11:20	**Geophysical characterization of multiphase rifting in the central divergent-transform segment of the Brazilian Equatorial Margin** - D. Lopes De Castro (Universidade Federal Do Rio Grande Do Norte)	11:20	**Full-waveform inversion application to regional seismic lines in the ultra-shallow waters of the Northern Caspian Sea** - I. Silvestrov (PGSK)	11:20	**Multiparameter elastic FWI for joint inversion of velocity and reflectivity** - J. Ramos-Martinez (TGS)
11:40	**Guinea-Bissau MSGBC Frontier Deepwater Wildcat Well.Operational Risk Management using Seismic While Drilling with Dual BHA setup** - M. Mosesyan (Apus Energy)	11:40	**Prediction of the time-varying velocities around the borehole in Stress-dependent formations with fluid exchange** - H. Wang (Kunming University Of Science And Technology)	11:40	**Multiparameter FWI imaging using diving waves, primary and multiple reflections in a shallow water environment** - O. Lewis (SLB)
12:00	Break				
14:00	**Poster session**				
Exploration Case Studies-3		**FWI - Velocities-5 - Uncertainty**		**High Resolution for Shallow Subsurface**	
15:00	**Identification and geological validation of AVO driven opportunities in frontier basins: examples from offshore Africa** - D. Went (TGS)	15:00	**3D Variational Bayesian Full Waveform Inversion and Efficient Analysis of Prior Hypotheses** - X. Zhao (School of Geosciences, University of Edinburgh)	15:00	**Single sensor and 1ms recording for improved imaging in the shallow subsurface** - S. Redfearn (Shearwater GeoServices)
15:20	**Study on the resistivity structure and geothermal genesis mechanism of Gudui geothermal field in Tibet, China** - Z. Zeng (Jilin University)	15:20	**Bayesian Wavefield Reconstruction Inversion and Its Solutions based on Eestimated Theoretical Covariance Matrix** - Y. Lin (College of Marine Geosciences, Ocean University of China)	15:20	**Maximizing resolution from HD3D seismic over the Greater Endurance CO2 store area, Southern North Sea, UK** - K.S. Helgebostad (TGS)
15:40	**Conjugation corner of the EEP, Scythian Platform, and Black Sea basin: Its evolution and hydrocarbon plays** - A. Kitchka (UkrNDIgaz Res. Inst.)	15:40	**Comparison of Bayesian approaches to acoustic FWI in DCT domain** - F. Macelloni (University of Pisa)	15:40	**Pseudorandom sequences for low-impact marine seismic acquisition** - F. Balestrini (Fugro)
16:00	**Play-Based Evaluation of Shamakhi-Gobustan sub-basin - onshore Azerbaijan** - E. Nadir (Caspian Geophysical/SOCAR; Oil and Gas Institute)	16:00	**Quantifying fault-related uncertainty in full waveform inversion with inverse homogenization** - G. Ruggiero (RING, GeoRessources / ENSG, Université de Lorraine / CNRS, F-54000 Nancy)	16:00	**Shallow water node positioning based on high precision first break picking** - T. Gong (BGP Offshore)
16:20	Coffee break				
Fields in Development & Fields in Production		**Imaging Case Studies-3**			
16:40	**Management and production forecast in gas wells once water breakthrough occurs: a case study** - S.I. López Kovács (Repsol)	16:40	**High-definition OBN seismic processing to enhance the interpretability of sand intrusions in the Balder-Ringhorne area** - F. Buriola (Viridien)	16:40	**Shallow geohazards imaging via nodal seismic and high-frequency full waveform inversion** - D. Colombo (Saudi Aramco)
17:00	**Beyond Conventional Geomodelling: High-Resolution 3D Models for UDAR Feasibility and Reservoir Steering** - M. Viandante (SLB)	17:00	**Derisking copper exploration at Oak Dam IOCG with advanced seismic imaging** - R.X. Li (Viridien)	17:00	**Wave Equation Travel Time Tomography for High-Resolution Near-Surface Survey** - G. Fabien-Ouellet (Polytechnique Montreal)
17:40	**Application of multi-information fracture modeling technology constrained by the stress field in shale oil development** - W. Zhang (BGP,CNPC)	17:20	**Anisotropic Anelastic Fresnel-Volume-Migration of the Asse 3D Seismic Data Set** - N. Kühne (TU Bergakademie Freiberg)	17:20	**Ultra-Long-Offset High-Resolution Inversion On Land** - R. Zhao (Tarim Oilfield Company)
17:20	**Methodology for Developing Plans for Brownfield Assets to Produce Residual Recoverable Reserves** - V. Kim (Independent Speaker)	17:40	**New Horizons in Wellbore Analysis: First Trial of an LWD High-Resolution Ultrasonic Imager for Large Boreholes** - S. Gutierrez Carrilero (Halliburton Energy Services Group)	17:40	**Scouting and Understanding Surface-Related Geological Noise in Arid Area Through Forward Modeling Using Satellite Imageries** - P. Golikov (EXPEC Advanced Research Center, Saudi Aramco)

Technical Programme

Thursday 5 June | Oral presentations

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ROOM 4		ROOM 5		ROOM 6	
Multiple attenuation		**Micro & Passive Seismic - 1**		**Acquisition Geometries & Hardware-Land and Marine**	
09:00	**Reservoir imaging below stratified evaporite: successful internal multiple attenuation workflow applied to an extensive OBN Survey -** E. Saragoussi (SLB)	09:00	**Microseismic monitoring of CO2 storage: survey design and detectability -** P. Basini (Totalenergies)	09:00	**Field trial of hybrid seismic UAV swarm in desert environment -** P. Golikov (EXPEC Advanced Research Center Saudi Aramco)
09:20	**Research and Application of MWD & SRME Simultaneous Subtraction in OBN Offshore Data -** Z. Ding (BGP.CNPC)	09:20	**Influence of road and railway traffic on ambient noise levels and implications for seismic network design -** A. Fuggi (Isamgeo Italia srl)	09:20	**Semi-centralized vibrator coordination: an implementation of slip-sweep resilient to loss of communication -** B. Tayart (Smart Seismic Solutions)
09:40	**Ultrashallow water multiple attenuation using active and passive near-field hydrophone data -** M. Matta (SLB)	09:40	**Optimal receiver depth for seismic monitoring in shallow boreholes -** O. Kalinichenko (Seismik s.r.o.)	09:40	**Current Status and Future Directions of Land Seismic Nodes -** N. Goujon (STRYDE)
10:00	**Thinly-Bedded Near-Surface Dolomitic Limestones and Their Seismic Imaging Implications -** A.I. Ramdani (Saudi Aramco)	10:00	**Assessment of the Seismic Monitoring Network for a Deep Geothermal Project -** G. Michaud (ISAMGEO; GM Consulting)	10:00	**Ultra-high density compressed receiver seismic: adaptable acquisition from exploration to development in the Sultanate of Oman -** J. Shorter (Petroleum Development Oman)
10:20	**Coffee break**				
10:40	**A Compressed Sensing Approach to Improve Marchenko multiple elimination in land seismic Data: Addressing Practical Challenges -** H. Zhu (Jilin University)	10:40	**Ambient noise monitoring of an aquifer gas storage: time-lapse tomography -** L. Duboeuf (CVA for Storengy SAS (Engie))	10:40	**WellSweep 3D borehole and surface vibroseis technology for detail imaging and characterization of gas storages -** I. Korotkov (Independent Researcher)
11:00	**Regularising time-domain multi-dimensional deconvolution with offset-directional derivatives -** M. Ravasi (Shearwater GeoServices)	11:00	**Ambient noise monitoring of an aquifer gas storage: towards pressure and saturation inversion -** A. Kazantsev (Storengy SAS (Engie))	11:00	**Balancing the equation in pursuit of optimal sampling: technical, operational, and environmental for 3D seismic design -** M. Naghizadeh (OptiSeis Solutions Ltd.)
11:20	**Up-down deconvolution and multidimensional deconvolution by regularized least-squares inversion for free-surface demultiple of OBC/OBN seismic data -** J. Yang (Tongji University)	11:20	**Passive seismic insights into the sedimentary architecture of the Doñana National Park (Spain) -** B. Benjumea (Instituto Geológico y Minero de España (IGME-CSIC))	11:20	**Underwater subwoofer array as a marine vibrator -** A.K. Morozov (Teledyne)
11:40	**Adaptive blockwise low-rank approximation for robust large-scale 3D multidimensional deconvolution -** F. Chen (King Abdullah University of Science & Technology)	11:40	**Natural hydrogen exploration on the Pyrenees foothills using 3C passive seismic recorded with compact autonomous nodes -** A. Ourabah (STRYDE)	11:40	**Towards Seismic Imaging Without Active Sources For Efficient Subsurface Monitoring -** K. Ramani (SLB)
12:00	**Break**				
14:00	**Poster session**				
Wavefield reconstruction and interpolation: physics vs AI		**Micro & Passive Seismic - 2**		**Acquisition Geometries & Hardware-Marine-2**	
15:00	**Joint deblending and multi-source wavefield reconstruction via Regularization by Denoising (RED) -** J. Acedo (University Of Alberta)	15:00	**Microseismic Source Inversion Based on Neural Operator with Physics Constrain -** X. Ma (Kaust)	15:00	**Modelling different survey geometries with Point Spread Functions in a Brazilian pre-salt block -** C. Nunes (Petrobras; Heriot-Watt University)
15:20	**Multichannel wavefield reconstruction of land seismic data with stencil-based spatial gradients -** M.I. Khatami (King Abdullah University Of Science And Technology)*	15:20	**Application of feature mode decomposition to microseismic signal detection -** Y.S. Kim (Saudi Aramco)	15:20	**Exploring the potential of mini-streamers for CCS monitoring, challenges and considerations in combined interpretation -** R. Dehghan-Niri (Equinor)
15:40	**Unsupervised dealiased seismic data interpolation based on differentiable dynamic time warping distance constraint -** Y. Xu (School of Mathematics and Center of Geophysics, Harbin Institute of Technology)	15:40	**Detection and simultaneous localization of microseismicity in DAS data using a 2D template matching approach -** N. Boitz (Freie Universitaet Berlin)	15:40	**Signature-related time shift adjustment of direct wave arrival times for correction of OBS data -** P. Scholtz (Shearwater GeoServices)
16:00	**TX-DPI: Temporal-Space deep prior interpolation -** M. Fernandez (Fraunhofer ITWM)	16:00	**A Latent Diffusion Model-Based Imaging Condition for Microseismic Event Location -** Y. Yang (King Abdullah University of Science and Technology)	16:00	**Can part of the data give the full solution ? -** J. Northall (BP Exploration Operating Co. Ltd)
16:20	**Coffee break**				
		Near-surface corrections		**Multi Component**	
16:40	**Marine Seismic Near Offset Data Reconstruction Using a KAN-Powered FNO -** Y. Cui (King Fahd University of Petroleum and Minerals)	16:40	**A More General Refraction Theory (AMGRT) -** C. Diggins (DUG)	16:40	**Utilizing Rotational Data for Seismic Polarization Analysis and Filtering of Vertical Component Data -** A. Kritski (Equinor ASA)
17:00	**Joint reconstruction and near-surface correction of land data with low-rank -** A. Alfaraj (Saudi Aramco)	17:00	**Near-surface modelling methods and applications for permafrost in plateaus -** B. Yu (BGP, CNPC)	17:00	**The challenges of imaging a deep-water sparse ocean bottom node survey – offshore West Africa -** M. Ahmed (SLB)
17:20	**Interpolating Sparse Seismic Data via Horizon-Guided Inverse Distance Weighting -** T. Wang (Shearwater Geoservices)	17:20	**Robust seismic first arrival picking using implicit neural representation -** B. Sun (Saudi Aramco)	17:20	**Multichannel wavefield reconstruction with slope assisted Physics Informed Neural Networks -** F. Brandolin (KAUST)
17:40	**Multiplier method with adaptive TT regularization for FWI of sparse crustal-scale OBN data -** K. Aghazade (Institute of Geophysics, Polish Academy of Sciences)	17:40	**Multi-source Data Fusion Method Based on Bayesian Inference for Complex Near-surface Velocity Modeling -** L. Han (Tongji University)	17:40	**How quick new OBN seismic can deliver value for drilling? A case study from West Africa -** J. Brunellière (TotalEnergies)

Thursday 5 June | Oral presentations

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ROOM 7		ROOM 8		ROOM 9	
Quantitative Interpretation & AVO-2		**ML & AI for Seismic Property Prediction II**		**DS-17. CO2 Mineralization**	
09:00	**Joint elastic/facies convex-cover AVO inversion with versatile and expressive latent variables -** J. Gunning (CSIRO Energy)	09:00	**Reservoir elastic properties prediction using supervised deep learning versus model-based inversion methods -** N. Ahmed (Department of Energy Resources, University of Stavanger, 4021, Stavanger, Norway)	09:00	**Developing a global map of CO2 storage resources suitable for CO2 mineralization -** R. Moore (Carbstrat)
09:20	**Combining Seismic EEI and Spectral Decomposition for Enhanced Prospect Evaluation -** R. Negrete Cadena (Harbour Energy)	09:20	**A Novel Approach for Forward and Inverse Rock Physics Modelling Using Coupled Deep Learning Networks -** M.G. Fakhari (Dana Energy)	09:40	**A Comprehensive MRV Framework for CO2 Mineralization Technologies: Differences from CCS and Other CDR Pathways -** N. Mosavat (CO2 Lock Corp)
09:40	**Nodes Acquisitions PS-waves Added Value: Impact of PS-stacks on Elastic Inversion for a Brazilian Pre-Salt Reservoir -** A. Damasceno (Petrobras)	09:40	**Distinguishing between gas chimneys and shallow gas-bearing sediments -** S. Soheili (Pezhvak Energy)	10:00	**Volcano-sedimentary reservoir potential along the NE Atlantic margins -** J. Millett (VBER; Oslo University; University of Aberdeen)
10:00	**The impact of coal on AVO interpretation in the Tertiary Basins of Southeast Asia -** J. Neep (Ikon Science)	10:00	**Shaping the Future of Reservoir Characterization: Machine Learning in Action – A Case Study from Oman -** O. Harrasi (PDO - Petroleum Development Oman)		
10:20	**Coffee break**				
10:40	**Data Driven Petrophysical Modeling While Drilling -** F.M. Miotti (Baker Hughes)	10:40	**Agentic AI in Geoscience: Advancing Predictive Models for Agile Decision-Making -** K. Dehghan (LithoSight)	10:40	**CO2 storage through offshore in-situ carbonatation: the CarbonStone experimental approach -** V. Fortier (TotalEnergies, PERL; Géosciences Montpellier, Université de Montpellier; CNRS)
11:00	**Bayesian Amplitude Versus Angle inversion through the Annealed Stein Variational Gradient Descent -** S. Berti (University Of Pisa; University of Florence)	11:00	**Application of data-driven and geostatistics-guided machine learning for petroelastic modelling -** H. Heidari (Heriot-Watt University)	11:00	**Insights from Electron Probe Micro-Analysis (EPMA) in the morphological control of weathering and carbonation reactions -** H.M. Khalid (School of Engineering University Of Guelph)
11:20	**Continuous reflection and transmission coefficient curves at an interface of viscoelastic anisotropic media -** X. Liu (CPG/ King Fahd University of Petroleum and Minerals)	11:20	**Intelligent seismic inversion using the frequency-domain numerical stability module -** Q. Zheng (China University Of Petroleum (East China))	11:20	**ASHES Program: An Academia-Industry Partnership Integrating Metal Recovery with Accelerated Carbonation from Fine Bottom Ashes Fractions -** Q. Wehrung (University of Turin; Alkaline Technologies)
11:40	**A well-log interpolation and inversion method with relative geological age constraint based on pattern-feature -** B. Gao (National Key Laboratory of Petroleum Resources and Engineering, CNPC Key Laboratory of Geophysical Exploration, China University of Petroleum (Beijing))	11:40	**Sand inversion method with a convolutional neural network introducing frequency decomposition attention mechanisms -** D. Wu (College of Artificial Intelligence, China University of Petroleum-Beijing; College of Geosciences, China University of Petroleum-Beijing; State Key Laboratory of Petroleum Resources and Prospecting, China University of Petroleum-Beijing)	11:40	**Fracturing due to volume change induced by chemical reactions: the case of basalt and CO2 injection -** S. Gardiner-Banks (Imperial College; TotalEnergies, CSTJF)
12:00	**Break**				
14:00	**Poster session**				
Seismic Attributes		**ML & AI for Seismic Property Prediction I**		**Novel approaches to Carbon reduction**	
15:00	**A New Paradigm of Rapid Seismic Interpretation Powered by Pretrained Seismic Foundation Models -** H. Di (SLB)	15:00	**Deep learning-based seismic impedance inversion method using a dual-branch architecture model -** J. Zhang (China University of Petroleum (East China))	15:00	**Field study on CO2 sequestration through mineral carbonation and enhanced weathering using waste clays -** M. Abdalqadir (Teesside University)
15:20	**The application of multi-component seismic interpretation in tight sandstone gas exploration -** X. Guo (NWGI)	15:20	**Complexity Unravelled: Exploring Subsurface Properties from Deep Learning Seismic Reconstruction -** H.A. Ahmad Munif (Petronas Carigali Sdn Bhd)	15:20	**Associated Gas Utilization for Cryptocurrency Mining: Integrating Oil and Gas into Green Energy Transition -** M. Kurbasov (Technical University Of Denmark)
15:40	**Deciphering the evolution of an Eocene deep-sea fan using novel spatiotemporal visualization technique (Campos Basin) -** L. Tortarolo (Eliis)	15:40	**Reservoir porosity estimation from post-stack seismic using deep learning constrained by well-porosity: A near-field application -** N. Cordoba (GIGBA Research Group)	15:40	**The role of mature oil and gas fields in a sustainable and low-carbon energy landscape -** S.I. López Kovács (Repsol)
16:00	**Relative Geologic Time guided Amplitude Gradient attributes for the ultra-deep carbonate fault-controlled reservoir identification -** K. Guo (Petroleum Exploration And Production Research Institute, Sinopec)	16:00	**Intelligent Gas-bearing Prediction of Tight Sandstone Reservoirs Guided by Geological Accumulation Characteristics and Well-Seismic Information -** K. Wu (CNOOC Research Institute Ltd, Beijing)		
16:20	**Coffee break**				
				Geothermal resource assessment strategies and community relationships	
16:40	**Nonlinear phase transformation and quaternion representation for 3D seismic discontinuity enhancement -** B. Ursin (The Norwegian University of Science and Technology (NTNU))	16:40	**Automatic Preparation of Well Logs for Geophysics Using Machine Learning and Automation -** K. Westeng (Aker BP ASA)	16:40	**Deep Learning for geothermal exploration using 2D seismic data and limited well information -** V. Souvannavong (Viridien)
17:00	**Research and application of sand body characterization based on PS-wave amplitude attributes -** D. Wang (BGP Inc., CNPC)	17:00	**Integrated well logging data and seismic attributes data for prediction TOC with LightGBM method -** W. Jia (Sinopec Geophysical Research Institute Co., Ltd)	17:00	**Dialogue in Territories: A Path to Understanding Geothermal Energy for Sustainable Development – Nereidas Valley, Colombia -** F. Rodríguez-Portillo (Asociación Colombiana De Geólogos Y Geofísicos De La Energía (ACGGP))
17:20	**Sparse inverse spectral decomposition method and its application on Tarim basin -** S. Li (PetroChina Research Institute of Expl. & Developm.)	17:20	**Geophysics-informed neural network for model-based seismic inversion using surrogate point spread functions -** M. Saraiva (Petrobras)	17:20	**Strategies exploring the untapped geothermal resources in the Himalaya-Karakoram Orogenic belt of northern Pakistan -** M. Shah (Quaid-i-azam University, Islamabad)
17:40	**A new characterization method of velocity anomaly and its application in the southwest of Bozhong Sag -** Z.H. Zuo (China National Offshore Oil Corporation (CNOOC) Ltd Tianjin Branch)	17:40	**Reservoir porosity prediction based on deep learning and attention mechanism -** G. Feng (Research Institute Of Petroleum Exploration And Development-northwest (NWGI), Petrochina)	17:40	**Robust and scale-independent log-analysis for the assessment of claystone sections for possible high-level radioactive waste repository -** J. Strobel (Bundesgesellschaft für Endlagerung mbH (BGE))

Technical Programme

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ROOM 10		ROOM 11		ROOM 12	
CCS & Waste Storage: Site Operations & Monitoring 2		**DS-06. Enhanced Reservoir modeling - Predicting subsurface geological properties**		**DS-13. Challenges of repurposing an oil and gas well to geothermal well**	
09:00	**The Lifecycle of CO2 Storage Projects and Monitoring Essentials -** M. Allan (SkyGeo US)	09:00	**Multi-Process Geological Forward Reservoir Simulation: Issues, Solutions and Challenges -** G. Massonnat (TotalEnergies)	09:00	**A decision-support tool for repurposing hydrocarbon wells for geothermal application in France -** V. Hamm (Brgm)
09:20	**Optimized seismic acquisition geometries for CO2 injection monitoring -** T. Klüver (TGS)	09:20	**Efficient Multiscale Reservoir Characterisation and Effective Property Estimation using Sketch-Based Modelling and Flow Diagnostics -** S. Hossain (Imperial College London)	09:20	**Repurposing Oil and Gas Wells for Geothermal Energy Transition in Ukraine -** O. Solodkyi (NGO Geothermal Ukraine)
09:40	**Comparative analysis of FLAG and NIST CO2 modelling methods and their impact on CCS seismic monitoring -** S.Y. Toh (Heriot-Watt University)	09:40	**Building Reservoir Models with data-driven, lightweight forward stratigraphic modelling -** S. Courtade (Eliis)	09:40	**Strategic Well Design Selection for Geothermal Projects: Minimizing Costs and Maximizing Sustainability Through Repurposing O&G Wells -** F. Rosas (Welltec)
10:00	**Refraction tomography of sparse S-DAS seismic data for CO2 plume detection -** S. Re (SLB)	10:00	**Insights from computational stratigraphy reveal controls and scales of heterogeneity in submarine fans -** F. Laugier (Chevron)	10:00	**Exploring the Geothermal Recirculation Well Concept for Reusing Wells to be Abandoned -** E. Hernandez (VITO)
10:20	Coffee break				
10:40	**Full-waveform adaptive monitoring for CCS -** D. Halliday (SLB)	10:40	**Integrated Reservoir Characterization and Modelling with Computational Stratigraphy -** T. Sun (Chevron)	10:40	**Repurposing Gas Producers Into CO2 injector, Wells Challenges and Uncertainties -** S. Rippe (Totalenergies)
11:00	**Pressure monitoring in geological gas storage reservoirs with ambient seismic noise, focus on seismic attenuation measurements -** J. Ars (Geolinks Services)	11:00	**Machine Learning for Geologically Consistent Flow Analysis in Fractured Geothermal Reservoirs: A Case Study -** E. Kamel Targhi (Delft University Of Technology (tu Delft))	11:00	**Reuse of Hydrocarbon Wells for Geothermal Development: Insights from the TRANSGEO Project -** H. Hofmann (GFZ Helmholtz Centre For Geosciences; Technische Universität Berlin)
11:20	**Refraction survey combined with tomography for CO2 detection using surface deployed distributed acoustic sensing -** M. Chapelle (SLB)	11:20	**Integrating Static and Dynamic Data for Calibration of Stratigraphic Forward Modeling -** M. Ducros (Kognitus)		
12:00	Break				
14:00	**Poster session**				
CCS & Waste Storage: Site Operations & Monitoring 3		**Unconventional**			
15:00	**What geomechanical parameters constrain induced seismicity during CO2 sequestration: lessons learned from observed microseismicity at Decatur -** Z. Jechumtalova (Seismik s.r.o.)	15:00	**Geological-Engineering Integration for Unconventional Oil and Gas: OR-based Optimization System -** Z. Fu (China University Of Petroleum (east China); National Key Laboratory of Deep Oil and Gas)		
15:20	**Network design for passive seismic monitoring of offshore CO2 storage projects -** T. Kettlety (University Of Oxford)	15:20	**Lithofacies, diagenesis, and reservoir quality evaluation of the Permian Pingdiquan Formation in the northeastern Junggar Basin -** H. Zhang (Research Institute Of Petroleum Exploration&Development (RIPED), Petrochina)		
15:40	**Importance of accurate earth models and network geometry for earthquake location in CCS and wastewater projects -** A. Savvaidis (The University of Texas at Austin)	15:40	**Geological Model of Over Mature Lower Cambrian Shale Gas in the Western Hubei, South China -** G. Li (Research Institute of Petroleum Exploration and Development)		
16:00	**Microseismic monitoring network design for CO2 sequestration -** L. Eisner (Seismik s.r.o.)	16:00	**Prediction of Shale Oil Reservoir Brittleness Based on the Small-Sample Machine Learning Algorithm of SVM -** S. Chen (Research Institute Of Petroleum Exploration And Development, Petrochina)		
16:20	Coffee break				
16:40	**Microseismic network design for CO2 sequestration in Saudi Arabia -** Z. Jechumtalova (Seismik s.r.o.)	16:40	**Hydrocarbon detection in coal measure strata using quantitative color compensation based on advantage frequency bands -** X. Wang (BGP, CNPC)		
17:00	**Induced Seismicity Modelling for Subsurface Operations: the role of injection and production strategies -** M. Ninsiima (TotalEnergies)	17:00	**Microscopic Characterization Method for Porosity of Unconventional Energy Reservoir Porous Media Based on CT Scanning -** T. Zhao (Chinese Academy of Geological Sciences)		
17:20	**Seabed DAS for CCS Induced Seismicity Monitoring: where do we stand? -** E. Rebel (TotalEnergies)	17:20	**Self-Adaptive Method Using Elemental Logging to Eliminate High-Salinity Drilling Fluid Effects on Oil Saturation -** Z. Hui (China University of Petroleum (East China)		
17:40	**Seismic Hazard of Massive Fluid Disposals, Rate and State Friction and Seismogenic Index -** S. Shapiro (Freie Universitaet Berlin)	17:40	**Organic Geochemical characterization of Visean Unconventional Formations within Dnieper-Donets Basin, Eastern Ukraine: Implication for hydrocarbon-generating potential -** S. Levoniuk (Ukrgasvydobuvannya (Naftogaz Group))		

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ROOM 13		ROOM 14		ROOM 15	
Hydrogen storage site characterisation		**DS-03. The exploitation of saline aquifers for CCS and other purposes: how to govern complex multi-actor systems?**		**Structural Geology - 1**	
09:00	**From Characterization to Monitoring: Preparing for Hydrogen Injection at the Devine Test Site** - A. Bakulin (Bureau of Economic Geology, UT Austin)	09:00	**Developing aquifer storage capacity in the Dutch offshore** - F. Neele (TNO)	09:00	**Structural Styles and Lithology Changes at Mesozoic Base from Ultra-Large 3D Seismic in the North Sea** - A. Finogenova (Pre Stack Solutions - Geo AS)
09:20	**The Imageability of Salt Inclusions and Caverns for Safe Hydrogen Storage** - C. Willacy (Shell Research Limited, Reservoir Integrity & Containment, Shell Center)	09:20	**How to manage pressure interactions between various CO2 storage projects** - S. Thibeau (TotalEnergies)	09:20	**Late Permian to Triassic Top Basement morphology in the Norwegian North Sea** - M. Bauck (Viridien; University of Oslo)
09:40	**The "sandwich" seismic inversion and geological model building and its application in underground storage sealing ability** - Y. Ma (BGP, CNPC)	09:40	**Multi-store Developments within the UK Southern North Sea: Implications for Carbon Storage Pore Space Usage** - S. Buchanan (Bp)	09:40	**Footwall uplift and erosion during Jurassic rifting: Scott and Telford fields, UK Central North Sea** - R. Arzola (CNOOC International)
10:00	**Advancing Underground Hydrogen Storage in Saline Aquifers: Geological Assessment and Modelling in the North German Basin** - M.B. Febbo (German Research Centre For Geosciences (GFZ))	10:00	**Pressure Space: The Key Subsurface Commodity for CCS** - A. Bump (University of Texas at Austin)	10:00	**Deciphering subsalt geometries in the Gulf of Mexico using ultralong-offset sparse OBN and Elastic FWI** - M. Rowan (Rowan Consulting Inc.; SLB)
10:20	**Coffee break**				
Shallow Subsurface for Windparks		**DS-08. Hybrid Geothermal and CCS: Advancing Sustainable Energy Solutions**			
10:40	**Simultaneous Diffraction and Reflection Separation on 3D UUHR Seismic Data for Offshore Wind Farm Site Characterization** - D. Zhang (Fugro)	10:40	**Preparation of a CO2-DISSOLVED pilot project in France: insights into the technical, administrative and financial constraints** - C. Kervevan (BRGM)	10:40	**Modeling accurate P32 values during DFN building: no longer guessing input fracture numbers** - S. Rivas-Dorado (Rock Flow Dynamics)
11:00	**Accelerating and Enhancing 3D UHRS Data Processing Through Machine Learning Innovations** - B. Caselitz (TGS)	11:00	**Preliminary assessment of the feasibility and efficiency of the CO2-based electrothermal energy and geological storage system** - M. Farkas (GFZ Helmholtz Centre For Geosciences)	11:00	**Highlighting automated well-correlation variability by computing correlation graph distance** - P. Baville (Université de Lorraine; Karlsruhe Institute of Technology)
11:20	**Machine learning based soil property prediction: A Quantitative Ground Model building approach based on 3D UHRS** - L. Limonta (TGS UK)	11:20	**Geothermally Derisked CCS (GD-CCS): can CCS be made safer and more affordable?** - A.J. De Reus (ETH Zurich - Earth and Planetary Sciences - GEG Group)	11:20	**Automatic topological analysis applied to structural geology using seismic attributes and computer vision** - N. Costa (Petrobras)
11:40	**Synthetic CPT Prediction from Seismic data for Offshore Wind Farm Sites: Potential for Clay Layer Identification** - D. Qu (RamboII)	11:40	**Coupling CCS with geothermal doublets: Single- and two-phase flow simulations in the re-injection well** - V. Leontidis (IFP Energies nouvelles)		
12:00	**Break**				
14:00	**Poster session**				
DS-23. Navigating geoscience and engineering challenges in offshore wind development. More than just a North Sea perspective				**Structural Geology - 2**	
15:00	**Geohazard challenges in offshore wind development: insights from the Mediterranean Sea** - C. Giglio (Rina Consulting)			15:00	**BEST OF IMAGE: Fault displacement gradients in mechanically layered rock** - A. CAWOOD (Southwest Research Institute)
15:20	**A review of subsurface geological variability in the Irish Sea, a challenge to Offshore Wind development** - G. Michel (Venterra Group)			15:20	**Gravity signal disturbance from salt diapir caprock with example from Iran** - J. Mrlina (Institute of Geophysics CAS)
15:40	**Benefits of an Engineering Focused Ground Model, an Irish Sea Wind Farm Case Study** - D. O'Dowd (Ocean Infinity)			15:40	**Efficient Intersection Detection Between Well Trajectories and Geological Surface Grids** - M. Alhussain (Aramco)
16:00	**Palaeo-environmental reconstruction – Application of high-resolution geophysics in determining glacial environments** - E. Ranete (TetraTech RPS Energy Ltd)			16:00	**Existence of Western Tanlu Fault in Bozhong Depression(BBB): New Sights from Deep Learning and Ant-track Method** - T. Zhang (CNOOC)
16:20	**Coffee break**				
				Outcrop Analogues	
16:40	**Dedicated Ultra-High Resolution Seismic Diffraction Imaging for Boulder Detection: A Case Study from the Baltic Sea** - D.S. Cammarata Salazar (Fraunhofer Iwes)			16:40	**Drone-based photogrammetry on continuous outcrops: advancing understanding of carbonate reservoir heterogeneity** - Y. Cherifi (TotalEnergies; EPOC)
17:00	**Glauconite: why is the offshore geotechnical world just now waking up to this odd mineral?** - Z. Westgate (University of Massachusetts, Amherst)			17:00	**Discovering (or rediscovering) a fractured reservoir analogue above a salt cored anticline using virtual reality** - P.D. Richard (PRgeology)
17:20	**Seismic inversion in offshore wind: implications of complex near-surface soils on AVO approximations** - E. Mutual (SolidGround)			17:20	**High-Resolution DOMs of Jebel Madar (Northern Oman): New Insights on fault and fracture networks evolution** - N. Menegoni (University of Pavia; King Abdullah University of Science and Technology)
				17:40	**3D Outcrop Geologic Modelling to Investigate the Influence of Brittle Structures in Poorly Lithified Reservoir Permoporosity** - C. Albuquerque (Petrobras)

Room with Headsets Connection.

Technical Programme

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ROOM 16		ROOM 17		ROOM 18	
Data & Information Management & Storage		**Geo-mechanics & Pore Pressure - 1**		**ML & AI for Seismic Imaging & Velocities-2**	
09:00	**Unlocking Insights from Unstructured Database of Petrophysical Reports using Retrieval Augmented Generations and Large Language Models** - K. Chawshin (Prores AS)	09:00	**Prediction of Fracture Activity Based on High-Pressure Water Injection Stimulation of Carbonate Reservoirs** - P. Zheng (Petrochina Tarim Oilfield Company of CNPC)	09:00	**Siamese Neural Network for Multi-parameter Elastic Full Wave Inversion** - O. M. Saad (KAUST)
09:20	**Leveraging Agent-Based Frameworks and LLMs for Multimodal Analysis in Drilling and Geological Operations** - M. Jacinto (Geowellex)	09:20	**Understanding the Zama Field in Mexico using Geoscience Stress Modelling** - N. Koutsabeloulis (Geomex Software Solutions Limited)	09:20	**The Impact of Deep Learning Seismic Denoising in 3D Elastic FWI of OBN Data** - P.M. Barros (Petrobras)
09:40	**Enhancing Oil and Gas Knowledge Retrieval: An LLM-Powered Pipeline with Advanced Synthetic Data Fine-tuning and Post-Filtering** - X. Chang (SLB)	09:40	**Unlocking Reservoir Stability: The Role of Grain Size in Fault Slip Dynamics for Safer Operations** - D. Mele Veedu (Indian Institute Of Technology Kanpur)	"09:40	**AI-driven seismic wavefield reconstruction via frequency interpolation for efficient Joint Migration Inversion** - J. Zhao (The Cyprus Institute)"
10:00	**Enhancing Geoscientific Workflows Through Integration of Data Management, Interpretation, and Multi-Modal AI Systems** - A. Dubovik (Waiw Software Llc)	10:00	**Improving Curvature-based Horizontal Stress Estimation in Shale Reservoirs by Incorporating an Adaptive Formation Parameter** - D. Liu (BGP, CNPC; National Engineering Research Center of Oil & Gas Exploration Computer Software)	10:00	**Self-Supervised Learning for Seismic Low Frequency Extrapolation with Reconstruction-Consistence Mean Teacher Approach** - I. Tang (Slb.com)
10:20	Coffee break				
10:40	**AI-Enhanced Workflow Automation and Cloud-Based Collaborative Platform for Well Integrity Service** - X. Zhang (SLB Schlumberger-Riboud Product Center)	10:40	**Efficient Well Delivery through Geomechanics and Its Impact on Reservoir Characterization and Field Development A** - O. Al-Zankawi (Kuwait Oil Company)	10:40	**Hybrid Least-Squares Gradient-Descent Optimization for Accelerating PINN Convergence in Acoustic Wavefield Modeling** - M.M. Abedi (BCAM)
11:00	**Research and Application of a Geophysical Exploration Construction Information Management System Based on Digital Twin Technology** - Y.P. Wang (Sinopec Geophysical Corporation Beidou Operation Service Center)	11:00	**The effect of smectite-illite transformation on pressure build-up in sedimentary basins, constrained by availability of potassium** - A. Grøver (SINTEF Industry)	11:00	**A Physics-Informed Autoencoder-Based Elastic Full-Waveform Inversion Method** - Y. Niu (State Key Laboratory of Deep Oil and Gas, China University of Petroleum (East China)
11:20	**A Data Governance and Data Management journey for tangible results in Geoscience and Subsurface Operations** - D. Mezzapesa (Eni)	11:20	**Fracture characteristics interpreted from fluctuations in well flowrates** - K. Heffer (Reservoir Dynamics Ltd)	11:20	**Regional and ultrasparse 2D- to 3D-image projection of the Brazilian Equatorial Margin using multi-input machine-learning reconstruction** - F. Xavier de Melo (SLB)
		11:40	**Laboratory Measurement of Thermally Induced Stress Due to Cooling of CO2 Flow in Reservoir Rock** - K. Su (TotalEnergies)	11:40	**Multiresolution hash encoding for high resolution implicit full waveform inversion** - S. Wang (King Abdullah University of Science and Technology)
12:00	Break				
14:00	**Poster session**				
OSDU Development & HPC		**Geo-mechanics & Pore Pressure - 2**		**ML & AI for Seismic Imaging & Velocities-3**	
15:00	**Orchestrating OSDU/Energistics Geomodelling Activity services and user's interactive decisions within a Geoscientific Workflow platform** - J. Rainaud (Geosiris SAS)	15:00	**Thermo-poromechanical modeling of CO2 storage in depleted gas field – Evaluating coupling approaches and mesh configurations** - N. Pillardou (CHLOE)	15:00	**Differentiable and Learnable Numerical Intelligent Model for Full-Waveform Inversion** - W. Wu (BGP CNPC; National Engineering Research Center of Oil&Gas Exploration Computer Software; Department of Earth System Science Tsinghua University)
15:20	**System and Methods for Intelligent Data Discovery and Global Basin Analytics on OSDU** - P. Saraswat (Querent AI)	15:20	**Model of permeability change of reactivated fractures/faults in shales: a tool for geological storage integrity** - A. Damon (Géosciences Montpellier, CNRS, Université de Montpellier; TotalEnergies OneTech)	15:20	**Full Waveform Sampling: Full Waveform Inversion in the Era of Generative AI** - B. Sun (Saudi Aramco)
15:40	**A Scalable Framework for Flow-Based Processing of Irregular N-Dimensional Seismic Volumes** - M. Nauta (Shearwater Geoservices)	15:40	**Advanced numerical framework for simulation of induced seismicity** - H. Pourpak (TotalEnergies)	15:40	**DiffusionVel: Multi-Information Integrated Velocity Inversion Using Generative Diffusion Model** - H. Zhang (China University Of Petroleum (East China))
16:00	**SEIS_ORC: The 'SEIScope workflow ORChestrator' for performing disaggregated FWI on HPC systems** - D. Schuster (Univ. Grenoble Alpes, ISTerre)"	16:00	**Geomechanics from basin-scale to reservoir-scale: application to hydrogen storage in the Rough field, UK** - J. Brown (Durham University)	16:00	**Synthesizing realistic-scale seismic velocity models using a spatially-aware generative model** - R. Harsuko (King Abdullah University of Science and Technology)
16:20	Coffee break				
DS-20. Uncertainties in the AI world - Seismic Interpretation		**Rock Physics-3**			
16:40	**Demystifying the Model – Explainable AI and Uncertainty in the Context of Elastic Well Curve Predictions** - K. Westeng (Aker BP ASA)	16:40	**Attenuation in dry sandstones: Role of strain amplitude, frequency and temperature** - L. Pimienta (UNIL; EPFL)	16:40	**A robust and efficient velocity inversion method: Multi-round iterative deep learning in the sparse transform domain** - G. Chen (Zhejiang University)
17:00	**Stochastic Elastic Property Inversion from Partial-stack Seismic via Deep Learning** - H. Di (SLB)	17:00	**Seismic monitoring of CO2 storage in basalts-a numerical feasibility study** - J. Sharifi (Ferdowsi University of Mashhad)	17:00	**Refined subseafloor velocity building via tomography and deep learning based on OBS data in the SCS** - J. Li (Department of Marine Sciences, Zhejiang University)
17:20	**Quantifying Uncertainty in Machine Learning Predictions for Seismic Reservoir Characterization** - T. Colwell (GeoSoftware)	17:20	**Integration of multiscale digital rock physics and effective medium theory for shale elasticity and anisotropy simulation** - J. Zhu (State Key Laboratory of Marine GeologyTongji University, Shanghai 200092,China; School of Ocean and Earth Science, Tongji University, Shanghai 200092, China)	17:20	**Research on Intelligent Time-Domain Velocity Modeling and Industrial Applications** - W. Lide (Research Institute Of Petroleum Exploration & Development-northwest (nwgi), Petrochina)
17:40	**A Case Study Integrating Model Uncertainty, Foundation Models and Physics-Informed Neural Networks for Reservoir Characterization** - E. Larsen (Earth Science Analytics)	17:40	**Empirical and Machine Learning Approaches to Shear Velocity Estimation in Deepwater Turbidite Environments** - M. Nilo (GIECAR-UFF)	17:40	**Velocity model estimations with deep learning – field data examples with a Fourier neural operator network** - Ø. Korsmo (TGS)

Room with Headsets Connection.

Thursday 5 June | Poster presentations

Last updated 2 May 2025

POSTER AREA

Poster session 1B - Seismic Acquisition & Processing 2

14:00	**Assessment of Jet Grout Column Diameter During Construction Based on Acoustic Scanning Imaging -** Z. WEI (China University Of Petroleum(UPC); National Key Laboratory of Deep Oil and Gas, China University of Petroleum (UPC))
	Pseudo-3D seismic imaging of shallow structural deformations for the development of new windfarms offshore Belgium - H. Saritas (Flanders Marine Institute (VLIZ))
	Seawater characterization by high-resolution seismic surveys - A. Vesnaver (OGS)
	Real-time seismic monitoring of road condition changes - Z. Xiaoxuan (University of Science and Technology of China)
	Ultra high productivity nodal acquisition - Y. Zhu (BGP, CNPC)
	Noise stack response of irregular spatial sampling and its application - J. Xia (BGP,CNPC)
	Integration of 3D P and S velocity model in SeisComP real-time monitoring: Northern Italy application - C. Rossi (Seismix)
	Attenuation Estimation of Stoneley Wave in Array Acoustic Logging Signal based on ECIMAP - L. ZHU (The School of Information and Communication Engineering, Xi'an Jiaotong University)
	A robust DAS-to-velocity conversion method based on HOLp-OGS regularized inversion - W. Xu (The State Key Laboratory of Petroleum Resources and Prospecting, National Engineering Laboratory for Offshore Oil Exploration, China University of Petroleum, Beijing)

Poster session 1C - Seismic Processing 2

14:00	**Seismic resolution enhancement based on multi-channel compressed sensing sparse inversion with lateral regularization -** Y. Niu (BGP,CNPC; National Engineering Research Center of Oil&Gas Exploration Computer Software)
	Impact of Local Site Effects on Earthquake Early Warning System Accuracy - S. Sahebsara (Seismological Research Institute/ International Institute of Earthquake Engineering and Seismology)
	Enhancing Velocity Spectrum Picking with Physics-Constrained Deep Learning Models Introduction - P. Xue (China University Of Petroleum East China)
	A semi-supervised learning method for enhancing pre-stack seismic data resolution using the well-log data - S. Wu (State Key Laboratory of Marine Geology, Tongji University; Center for Marine Resources, Tongji University; School of Ocean and Earth Science, Tongji University)
	CurveNet - A Curvelet-Based Deep Learning Denoising Method for Well Logging Data - Z. Fang (School of Resources and Environment, University of Electronic Science and Technology of China)
	Deep Image Prior-Based Seismic Data Reconstruction with Transfer Learning - D. Wu (Research Institute of Petroleum Exploration & Development-northwest, Petrochina)
	A Bayesian primary-multiple separation scheme for Doppler-shifted marine vibrator data - J. Zheng (Jilin University)
	Research on Model-Based Dynamic Prediction of Shallow Water-Bottom Multiples - K. Xiang (SINOPEC Geophysical Research Institute Co Ltd)
	Sparse Constraint Inverse Data Domain Framework for Multiple Attenuation in Single-Channel Seismic Data - H. Zhu (Jilin University)
	The Suppression of Strong Random Noise based on Inter-trace Time Difference Elimination - R. Xu (Tongji University)
	Fast 3D conical Radon transform for near-surface noise attenuation - Y. Yang (State Key Laboratory of Deep Oil and Gas (China University of Petroleum (East China)); China University Of Petroleum (East China))
	Realistic seismic modeling of near-surface distortions in land data using spectral elements method - I. Silvestrov (PGSK)

Poster session 1D - Seismic Velocities & Imaging 2

14:00	**Reflected wave least-squares reverse time migration based on the linearized reflectivity function of acoustic impedance -** Z. Ye (China University Of Petroleum (East China))
	Vector-based Elastic Reverse Time Migration based on Converted Decoupled Wave Equation - X. Zhang (Institute of Oceanographic Instrumentation Qilu University of Technology (Shandong Academy of Sciences))
	Visco-acoustic Fourier finite-difference image-domain inversion based on point spread function in vertical transversely isotropic media - Y. Wang (State Key Laboratory of Deep Oil and Gas (China University of Petroleum (East China)); China University of Petroleum (East China))
	Dipole-source Reverse Time Migration of Order-separated Free Surface Multiples - Z. Wang (SINOPEC Geophysical Research Institute)
	Least-squares attenuation compensated elastic reverse time migration based on a new decoupled viscoelastic wave equation - Z. Ye (China University Of Petroleum (East China))
	Investigation on the Born scattering series derivation and its convergence property - Y. Wang (Tongji University)
	Robust FWI-Imaging by using diffusion model regularization - S. Zhang (King Abdullah University of Science and Technology)
	Accelerating Marchenko Imaging via self-supervised focusing function prediction - N. Wang (King Abdullah University Of Science And Technology)
	Full waveform inversion with multi-scale hybrid machine learning - Y. Liu (Harbin Institute of Technology)
	Reservoir properties inversion with a positional-encoded WGAN regularization - J. Du (Harbin Institute of Technology)
	Deep buried hill imaging in Bohai Bay Basin: a case study - J. Zhang (China National Offshore Oil Corporation (cnooc) Limited)
	Least squares migration based on OVT gathers and its application in sparse OBS data - J. Zhang (CNOOC Oilfield Services Ltd)
	Facies-constrained well log interpolation for initial velocity modeling of full waveform inversion - Z. Nie (Tongji University)
	A novel reflection traveltime shift estimation method using characteristic reflector structure and an improved cross-correlation method - C. Wu (Tongji University)
	Revisiting Seismic Envelope Inversion for Velocity Model Building - W. Zhou (King Fahd University of Petroleum & Minerals)
	Free-surface elastic full waveform inversion based on multicomponent OBN data - T. Wang (Tongji University)
	Simultaneous elastic full-waveform inversion for the model and source using deep neural networks - F. Wu (Harbin Institute of Technology)

Technical Programme

Thursday 5 June | Poster presentations

Last updated 2 May 2025

POSTER AREA

Poster session 1E - Seismic Interpretation 2

14:00	**Intelligent Horizon Picking Method Based on TransUNet Network -** W. Weisheng (Research Institute Of Petroleum Exploration & Development-Northwest(NWGI),PetroChina; Key Laboratory of Internet of Things, CNPC
	Intelligent fracture prediction based on convolutional neural networks with integrated self-attention mechanism - W. Yongping (College of Geophysics, China University of Petroleum (Beijing); State Key Laboratory of Petroleum Resources and Engineering, China University of Petroleum-Beijing
	A new spatial variable estimation method based on machine learning - K. Xu (Sinopec Petroleum E&p Research Institute
	Spherical Wave Reflection coefficient at The Seafloor Interface - G. Cheng (Qilu University of Technology (Shandong Academy of Sciences); Laoshan Laboratory
	A Multi-Scale Sedimentary Cycles Characterization Method Based on Synchrosqueezing Optimal Basic Wavelet Transform - Y. Tian (School of Information and Communications Engineering, Xi'an Jiaotong University
	A combined high-accuracy seismic attribute for spatial karst caves characterization - T. Wang (Sinopec Petroleum Exploration And Production Research Institute
	Multi-domain information fusion for paleokarst channel characterization based on locally linear embedding algorithm - H. Lv (Sinopec Geophysical Research Institute Co., Ltd.
	Experimental study on the reflection characteristics of ultrasonic P-waves in frozen soil - R. Zhang (China University Of Petroleum (Beijing)
	Experimental study on the influence of gas migration on the elastic characteristics of loose media - R. Zhang (China University Of Petroleum (Beijing)
	Impact of Pressure and Temperature on Seismic Velocities in Brazilian Carbonates of the Barra Velha Formation - R. Marchezi Missagia (FACC - Fundação de apoio ao desenvolvimento da Computação Cientifica; UENF - State University of Northern Rio de Janeiro "Darcy Ribeiro"
	Multi-Scale Fault Recognition Method Based on Generalized W Transform - J. Peng (College of Geophysics, China University of Petroleum (Beijing); State Key Laboratory of Petroleum Resources and Prospecting
	Pre-stack Inversion Based on Multi-scale Attributes Constrained Modeling in the Time-Frequency Domain - Z. Xing (Cnooc Tianjin Ltd
	Prediction of fractured granite basement reservoir based on pre-stack inversion - X. Xie (China National Offshore Oil Corporation
	Seismic Spectral Decomposition Method and Application based on 3D Continuous Wavelet Transform - Z. Zhu (Cnooc Research Institute; National Engineering Research Center of Offshore Oil and Gas Exploration
	Application of shear wave seismic data in the development and adjustment of gas reservoirs - Y. Wang (BGP, CNPC
	Integrating Markov Chain Monte Carlo algorithm and prestack inversion for petrophysical characterization utilizing maximum a-posteriori estimation - H. Ghanbarnejad Moghanloo (Dana Energy
	Research and application of time-lapse seismic energy difference based on hydrocarbon-sensitive frequency band - K. Zhang (BGP, CNPC

Poster session 2 - Geology 2

14:00	**Lithofacies classification and distribution on a carbonate ramp in the Cretaceous Hartha Formation, central Mesopotamian Basin -** J. Qu (China Zhenhua Oil Company Limited; Chengdu North Petroleum Exploration and Development Technology Company Limited; Institute of Sedimentary Geology, Chengdu University of Technology
	Regional Sedimentary Responses to Syndepositional Faulting of Upper Cretaceous Limestones, B Oilfield, Central Iraq - D. Zhu (China ZhenHua Oil Co., Ltd.; Chengdu North Petroleum Exploration & Development Technology Co. Ltd.
	Study on Diagenetic facies in Late Cretaceous and its Control on Carbonate Reservoir in Middle East - C. Ning (Petrochina Research Institute of Petroleum Exploration and Development
	Fluvial Sand Distribution in Upper Cretaceous Abu Roash E Member: Insights in Northern Egypt - A. Gamal (Egypt Upstream Gateway
	Quantitative analysis of pores with different wettability types in shale - C. Yu (China University Of Petroleum
	Focusing on the classification of alluvial fans based on sedimentary processes: Insights for deep-time favorable reservoirs - Z. Peng (China Zhenhua Oil Company Limited; Chengdu North Petroleum Exploration and Development Technology Company Limited
	Facies diversity and paleogeographic reconstruction during transgression in the Lower Cretaceous Zubair Formation, Mesopotamia Basin, Iraq - J. Qu (China Zhenhua Oil Company Limited; Chengdu North Petroleum Exploration and Development Technology Company Limited
	Seismic expression of fluid escape pipes in the northern South China Sea - Q. Meng (China University Of Petroleum (East China)
	Rhythmic Oil Intervals in Porous Carbonate Reservoirs: Control by High-Frequency Cycles - B. Zeng (China Zhenhua Oil Company Limited; Chengdu North Petroleum Exploration and Development Technology Company Limited
	Uncertainty Analysis of Nuclear Magnetic Resonance T1-T2 Spectra Based on Prior Information Constraints - W. Xiangyu (China University of Petroleum (Beijing)
	Experimental Study on the Influence Factors of Wettability in Tight Rock - Q. Wan (China University of Petroleum (Beijing)
	Intelligent saturation prediction method based on multi-scale data fusion - Q. Wang (Sinopec Geophysical Research Institute Co., Ltd
	Deformation localisation and faulting processes in mountain belts: Findings from PIV analysis of sandbox experiments - R. Raj (Department of Earth Sciences, Indian Institute of Technology Kanpur
	Structural Compartmentalization and Section Restoration in the Tupi Field, Santos Basin, Brazil - D. Costa (Universidade Federal de Minas Gerais (UFMG)
	Deformation analysis based on seismic and well data in the Pazanan Anticline, Southwestern Iran - H. Razaji (University Of Beheshti
	Diagenetic Facies and Geological Modeling of Porous Carbonate Reservoir of Upper Cretaceous in H Oilfield, Iraq - C. Ning (Petrochina Research Institute of Petroleum Exploration and Development
	Static KH prediction using Uncertainty-Informed Deep Learning Models in South Caspian Basin - N. Zeynalli (Eilink LLC
	Insights and Lessons from Machine Learning-Driven Prediction of Porosity and Permeability Using Comprehensive Norwegian Field Data - G. Yerkinkyzy (Equinor
	Quantification of sediment constituents from downhole NMR data using combined trapezoidal and supervised probabilistic-ARD technique - A. Singh (CSIR-National Geophysical Research Institute (NGRI), Hyderabad, India

Thursday 5 June | Poster presentations

Last updated 2 May 2025

POSTER AREA

Poster session 3 - Reservoir Engineering 2

14:00	**Numerical simulation of hydrofracturing for CBM development/production over lower permeable mature coal seams of Sohagpur Coalfield -** S. Ghosh (CMPDI (Coal India Limited)
	Application of chitosan-based polymers for EOR - A. Scerbacova (King Fahd University Of Petroleum And Minerals
	Effect of Computational Resolution on the Quantification of Relative Permeability Uncertainties from 3D Tomography-Based Porosity Fields - G. Stieven (LRAP/UFRJ; COPPE/UFRJ
	AI-Driven Robotics for Efficient Subsea Pipeline Inspections in the North Sea - J. Barua (
	Regional Model of CO2 Storage in the North Sea Using Locally Refined Unstructured Meshes - M. Raguenel (TotalEnergies
	Surrogate Modeling of Heat Transfer in Heterogeneous Geothermal Reservoirs Using Finite Volume Informed Graph Neural Network - R. Najafi Silab (Institute of GeoEnergy Engineering, Heriot-Watt University
	Optimizing Gas Recovery in Thin Oil Rim Reservoirs through Semi Step-Out Development, Case Study Prabumenang Field - M.R. Zakaria (Pertamina Hulu Energi
	Allocating multi-layer commingled production using geochemical petroleum fingerprinting: a case study in the Gulf of Mexico - P. Franco (Geolog Technologies
	Optimizing Resource Allocation for Polymer Flooding Projects - P.V. Cueille (Snf
	Wells Connectivity Tuning and Volumetric Fluid Flow with Streamline-Inversion to Enhance History Matching of Reservoir Models - G. Alshanbari (Saudi Aramco
	WPINNs for Modeling Discontinuous Subsurface Flow - A. Lazareva (Independent researcher
	The transport mechanism of CO2 underground storage considering the rock compressibility - Z. Min (State Key Laboratory Of Marine Geology)

Poster session 5 - Energy Transition 2

14:00	**Investigating the dependency of climate change on carbon emission in Middle East capitals -** A. Khalilnezhad (Sahand University Technology
	Game-Changing CCUS Technology - direct injection from a ship in the Baltic Sea - K. Shogenov (SHOGenergy; Tallinn University of Technology (TalTech)
	Thermo-acoustic-elastic inversion for marine geothermal temperature estimation - S. Yang (China University of Petroleum (East China)
	A new multistage gel injection method to improve conformance in geothermal systems - D. Rousseau (IFP Energies nouvelles
	Refined Evaluation of Underground Hydrogen Storage Capacity of Triassic Sandstones in the North German Basin - T. Rolf (Fraunhofer Research Institution for Energy Infrastructures and Geotechnologies
	Base model for feasibility of underground hydrogen storage in northern Upper Rhine Graben depleted gas fields - S. Roy (Technical University Darmstadt
	Hybrid Geothermal and CCS - is this an opportunity to transform Poland's energy sector? - A. Sowizdzal (AGH - University of Krakow
	Feasibility study of using AVO inversion for S-wave information from UHR seismic data - E. Verschuur (Delft University of Technology
	Application of a Novel RED-Based CL-SRME Framework for Multiple Attenuation in Offshore Wind Farm Site Assessment - H. Zhu (Jilin University
	Rock Physics Parameterized Viscoacoustic Full Waveform Inversion for CO2 Saturation and Porosity Estimation - Y. Zheng (The State Key Laboratory of Marine Geology, Tongji University
	A Comprehensive MRV Framework for CO2 Mineralization Technologies: Differences from CCS and Other CDR Pathways - N. Mosavat (CO2 Lock Corp
	CO2 Mineralization in Rock Facilitated by Carbonic Anhydrase - L. Soares De Melo Filho (Repsol Sinopec Brasil
	Acoustic-Electric Joint Evaluation Method for Hydrate Saturation Based on Deep Learning - Z. WEI (China University Of Petroleum(UPC); National Key Laboratory of Deep Oil and Gas, China University of Petroleum (UPC)
	Introducing the Central Europe SEEBASE, a bottom-up basement interpretation and geothermal model - T. Debacker (Geognostics
	TherMoCO2L project: Enhancing CO2 Injection Flexibility and Efficiency for CCS Applications - H. Ren (CHLOE-Adera)
	Analysis of seismic acquisition geometries for CO2 storage monitoring: Sleipner case study - S. Seyed Sajadi (Three60energy)

Poster session 6&7 - Mining & Infrastructure & Data & Computer Science

14:00	**Efficient JPEG-like Scheme for Compressing Wavefield in 3D Reverse Time Migration -** B. Sun (Saudi Aramco
	Impact of geochemical properties and occurrence depth of Central Indian coal seams on their CBM content - D. Mondal (CMPDI (Coal India Limited)
	Economic Viability of Hydrogen Integration in Mining: Case Study of Frances Creek Mine, Australia - R. Abdollahi (The University of Adelaide
	Investigation of near surface faults through Electrical Resistivity Tomography in underground coal mines of Central India - S. Ghosh (CMPDI (Coal India Limited)
	Mapping of subsurface features responsible for fracturing of View Point Patch at Dipka opencast coal mine - D. Mondal (CMPDI (Coal India Limited)
	Insights on tailings dam geotechnical parameters monitoring from passive ambient seismic noise analysis - T. Gaubert-bastide (Geolinks

Technical Programme Sponsors

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Kuwait Petroleum Corporation and subsidiaries

Exhibition Theatre Programme

Tuesday 3 June | Digital Transformation Area, Energy Transition Area & International Prospecting Center presentations

Last updated 2 May 2025

DIGITAL TRANSFORMATION AREA

Lightning Talks Session - The Integration Of AI, ML And Big Data In E&P
Moderators: B.A. Montaron (Fraimworks), J.G. Wieggerink (EAGE)

10:55	**Maximizing Digital Transformation: The Power of AI-Ready Data -** J. Tran (Ovation Data)
11:10	**AI-Accelerated Seismic Interpretation -** E. Grimstad (TGS)
11:25	**Unlocking Reservoir Quality Insights: The Untapped Potential of Data in Over 450,000 Documents -** E. Jarvis (Viridien)
11:40	**Digital Transformation: Regulatory Point of View -** H. Maulana (PETRONAS)
11:55	**A computationally efficient deep learning approach to approximate the 3D-elastic wave equation -** F. Rincón *(Università Di Pis)
12:10	**AI-assisted geo-data conditioning and interpretation for novel subsurface modeling concepts -** S. Carpentier (TNO)
13:20	**Lunch**

Lunch and Learn Panel Discussion - Digital Transformation - Learning From Other Industries
Moderators: T. Dancy (Dancy Energy)

13:20	**Panelist -** S. Larmier (Thermofisher) **Panelist -** L. Hue (Chevron) **Panelist -** D. Norton (The Society of High Performance Computing Professionals (SHPCP)) **Panelist -** R. Williams (3DHISTECH)

Deep Dive Session - The Impact Of Digital Transformation On People And Process
Moderator: J.G. Wieggerink (EAGE)

14:20	**Embracing Change: The Human Side of Digital Transformation -** C. James (TGS)
14:35	**Bringing Seismic Acquisition Closer to Shore -** K. Stevens (Shearwater Geoservices)
14:50	**Satellite Data Transmission to fill the gap between acquisition & imaging -** K. Ouragh (TotalEnergies)
15:05	**From Geophysicist to Data Strategist: How AI Is Reshaping Subsurface Teams -** A. Feltham (Lithosight Ltd)

ENERGY TRANSITION AREA

Lightning Talks Session - Subsurface Energy For A Sustainable Future
Moderator: J.G. Wieggerink (EAGE)

10:20	**CCS - Source to Sink -** H. Wilson (Azuli)
10:35	**Natural Hydrogen -** N. PELISSIER (45-8 ENERGY)
10:55	**Site selection for offshore Wind -** L. Siemann (Fraunhofer IWES)
11:10	**Geothermal Success in the Netherlands -** C. Dalby (Panterra Geoconsultants B.V.)
11:25	**Harnessing Simulation output to accurately characterize and standardize the CO2 Plume and Pressure Front Outlines for CCS Feasibility studies -** J. Wheelwright (DGI)
11:40	**De-risking geothermal projects with high density seismic: trends and case studies from over 50 projects -** M. Popham (STRYDE)
11:50	**Analysis of seismic acquisition geometries for CO2 storage monitoring: Sleipner case study -** S. Seyed Sajadi (Three60energy)
12:05	**Machine Learning for Detecting Water Circulation Pathways in Geothermal Systems -** K. Siraev* (GeoSoftware)

Lunch and Learn Panel Discussion - Geoscience Education For The Energy Transition
Moderators: J. P. Rolando (TotalEnergies)

13:20	**Panelist -** J. P. Rolando (TotalEnergies) **Panelist -** G. Caumon (University of Lorraine) **Panelist -** R. Toullec (UniLaSalle) **Panelist -** A. Pluymakers (Delft University)

Deep Dive Session - CO2 & Energy Storage
Moderator: M. Zwaan (Panterra Geoconsultants)

14:20	**Unlocking Carbon Storage Potential: Harnessing Legacy Data, Cutting-Edge Seismic, and Critical Well Information for CCUS Success -** J. Laming (Ovation Data)
14:35	**Presentation title TBA -** A. Charbonnier (Terega)
14:50	**Understanding Induced Seismicity in CCS Projects using Geoscience Stress Modeling -** D. D'Or (Ephesia)
15:05	**Perspectives on Energy Storage - Necessity or Folly? -** M. Wright (Renewable Energy Association)

Session - Narratives: How To Engage The Public Through Storytelling
Moderator: F. Garofalo (TotalEnergies)

16:20	**Speaker -** I. Stewart (University of Plymouth) **Speaker -** C. Jackson (WSP) **Speaker -** TBA **Speaker -** TBA

IPC AREA

REGIONAL HIGHLIGHTS - Europe, Middle East and Africa

10:20	**Speaker -** G. Bagley (Westwood Global Energy Group) **Speaker -** E. Al-Shehri (KOC) **Speaker -** J. Uche (NAPE) **Speaker -** S. Haddad (ETAP) **Speaker -** A. Stefatos (HEREMA) **Speaker -** Z. Xu (Viridien) **Speaker -** C. Thomas (Striped Hourse)

Lunch and Learn Panel Discussion (Hosted by AOW): How ultra-deepwater is revitalising oil and gas exploration

13:20	**Moderator -** P. Sinclair (AOWEnergy) **Speaker -** D. Hajovsky (TGS) **Speaker -** J. Uche (NAPE) **Speaker -** P. Rodríguez (ANCAP) **Speaker -** M. Peliganga (ASGA)

REGIONAL HIGHLIGHTS - LATAM - Asia

15:00	**Speaker -** J. Collard (Westwood Global Energy Group) **Speaker -** A. Zamri (PETRONAS) **Speaker -** K. Nag (DGH) **Speaker -** K. Rodriguez (Searcher) **Speaker -** S. F. Lima Furtado (Petrobras) **Speaker -** J. Petrovic (Newfoundland and Labrador)

Outlook Session: Natural Hydrogen

16:10	**Speaker -** TBA

Room with Headsets Connection.

For the app scan the QR code!

SEE THE FULL SCHEDULE IN THE APP!

Wednesday 4 June | Digital Transformation Area, Energy Transition Area & International Prospecting Center presentations

Last updated 2 May 2025

DIGITAL TRANSFORMATION AREA

Lightning Talks Session - Applications, Digital Workflows And Models For E&P
Moderator: J.G. Wieggerink (EAGE)

10:20	**MDIO for Data Management and AI and What's Next? -** A. Sansal (TGS)
10:35	**How does workflow impact the user? -** M. TERRISSE (TotalEnergies)
10:55	**From 'Nice to have' to 'Must have': ML enables objective probabilistic de-risking for E&P geoscientists -** A. de Lima (Kognitus)
11:10	**Bringing Harmony to Drilling and Geoscience Data Communication -** R. Cuevas (Rogii)
11:25	**Sensory data-fusion by kriging, application to porosity estimation by neutron and density well-logs -** P. Masoudi (Geovariances)
11:40	**Research and Application of Correction Methods for Deviated-well Compressional Slowness -** Y.P. Qian (China Oilfield Services Limited)
11:55	**Rapid Reservoir Simulation and Uncertainty Quantification via a Physics-infused Neural Network Framework -** M. Paydayesh (SLB)
13:20	**Lunch**

Lunch and Learn Panel Discussion - Powering the Future: Is AI Just Buzz or the Real Deal in Energy?
Moderator: D. Norton (The HPC-AI Society)

13:20	**Panelist -** N. Moridis (NVIDIA)
	Panelist - M. Isernia (ThinkOnward)
	Panelist - D. Tishechkin (AWS)
	Panelist - G. Gorman (Devito Codes Ltd / Imperial College London)

Deep Dive Session - The Use Of Virtual And Augmented Reality (Vr And Ar) In Exploration, Education And Fieldwork
Moderator: T. Dancy (Dancy Energy)

14:20	**Virtual outcrop -** E. Dujoncquoy (TotalEnergies)
	Virtual Reality - F. Civet (Vr2planet)
	Presentation title TBA - D. Holmes (Dell Technologies)
	Extended Reality in Action: Empowering Geosciences with Immersive Subsurface Learning - G. Jimenez Soto (PETRONAS)

ENERGY TRANSITION AREA

Lightning Talks Session - The (Un)Reality Of Achieving Net Zero
Moderator: J.G. Wieggerink (EAGE)

10:20	**Storing Renewable Energy -** M. Wright (Aurora Ventures)
10:35	**Net Zero - how is France preparing? -** C. Tutenuit (EPE)
10:55	**Carbon Pricing -** H. Wilson (Azuli)
11:10	**Managing Emissions in an Energy Demand Growth Environment -** D. Holmes (Dell Technologies)
11:25	**Innovations for Sustainable Seismic Exploration -** M. Naghizadeh (Optiseis Solutions Ltd.)
11:40	**Managing Emissions in an Energy Demand Growth Environment -** D. Holmes (Dell Technogies)

Lunch and Learn - Carbon emissions reduction ambitions and roadmaps of key players across Upstream Oil & Gas and other industries
Moderators: T. Dancy (Dancy Energy)

13:20	**Keynote Speaker -** D. Jeanteur (Boston Consulting Group (BCG))
	Keynote Speaker - H. Remy (Boston Consulting Group (BCG))

Session - Geoscience Communication For Policy

14:30	**Speaker -** TBA
	Speaker - TBA
	Speaker - TBA
	Speaker - TBA

IPC AREA

REGIONAL HIGHLIGHTS 1

10:20	**Speaker -** S.F. Lima Furtado (Petrobras)
	Speaker - A. Mantilla (Xcalibur)
	Speaker - C. Banks (SLB)
	Speaker - M. Pichler (RAG Austria)
	Speaker - P. Gristo (ANCAP)
	Speaker - B. Tayart (S3 Seismic - Smart Seismic Solutions)

Lunch and Learn Panel Discussion (Hosted by WCCUS) Overcoming Barriers in CCS Expansion

13:20	**Speaker -** TBA (NSTA)
	Speaker - N. Darraj (Global CCS Institute)
	Speaker - T. Le Guenan (BRGM)
	Speaker - T. Holm-Trudeng (TGS)
	Speaker - S. Hollingworth (Viridien)

Outlook Session

15:00	**Speaker -** M. Vityk (NAFTOGAZ)
16:00	**Speaker -** TBA (Evolen)

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Exhibition Theatre Programme

Thursday 5 June | Digital Transformation Area, Energy Transition Area & International Prospecting Center presentations

Last updated 2 May 2025

ENERGY TRANSITION AREA / DIGITAL TRANSFORMATION AREA		IPC AREA	
Special Programme For Secondary School Students Moderator: J.G. Wieggerink (EAGE)		**REGIONAL HIGHLIGHTS 2**	
10:20	**Building the Future from the Ground Up -** R. Barros (EGS)	10:20	**Speaker -** F. Despinois (TotalEnergies) **Speaker -** M. Markovic (Smart Exploration Research Center / Uppsala University) **Speaker -** D. Palmowski (Terranta) **Speaker -** P. Roche (Lithium de France) **Speaker -** Y. Abreu (Xcalibur) **Speaker -** C. Salazar (SERNAGEOMIN/ U. Mayor de Chile)
11:20	**Minerals in your Life -** T. Dancy (Dancy Energy; GSEU)		
13:20	Lunch		
Lunch And Learn Panel Discussion - The European Geological Data Infrastructure - Europe'S Digital Twin Moderators: R. Barros (EGS)		**LUNCH AND LEARN PANEL DISCUSSION How mineral deposits can power the energy transition (PoleAvenia)**	
13:20	**Panelist -** D. Whitehead (GEUS) **Panelist -** K. Piessens (GSB) **Panelist -** TBA	13:20	**Speaker -** TBA **Speaker -** TBA **Speaker -** TBA **Speaker -** TBA **Speaker -** TBA
Deep Dive Session - Resourcing The Future - Geoscience Skills For The Energy Transition			
14:20	**Graduate Programme + skills mapping -** J. Gonzalez-Dunia (TotalEnergies)		
14:35	**Machine Learning and Artificial Intelligence: New geoscience skillsets to drive the energy transition -** D. Kremer (Ikon Geoscience)		
14:50	**Leveraging elastic cloud computing to accelerate exploration lead generation -** B. Shea (Sharp Reflections)		
15:05	**New energy, new skills: what changes in CCS subsurface modelling? -** C. Sorgi (SLB)		

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Last updated 2 May 2025

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27-31 OCTOBER 2025
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87TH CONFERENCE & EXHIBITION
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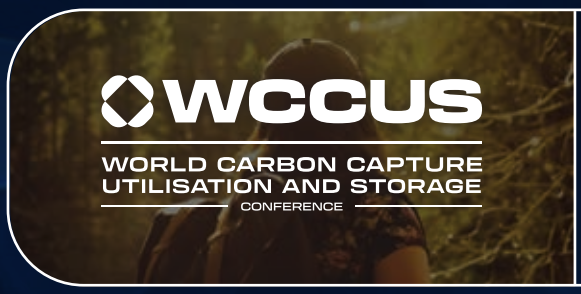

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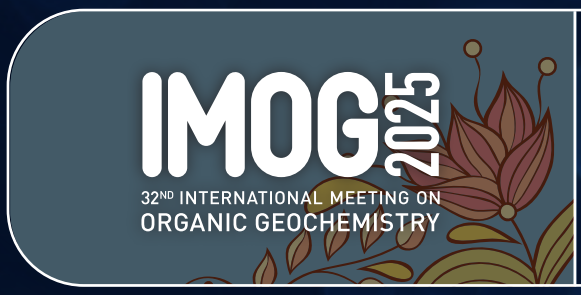

7-11 SEPTEMBER 2025
PORTO, PORTUGAL
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14-18 SEPTEMBER 2025
BUCHAREST, ROMANIA
EARLY REGISTRATION DEADLINE:
21 JULY 2025

12-14 NOVEMBER 2025
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CALL FOR ABSTRACTS DEADLINE:
15 JUNE 2025

1-3 DECEMBER 2025
CAIRO, EGYPT
CALL FOR ABSTRACTS DEADLINE:
1 SEPTEMBER 2025

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ALL UPCOMING EVENTS

EAGE Annual 2025
COMMUNITY HIGHLIGHTS

During the EAGE Annual Conference in Toulouse this year, you will have the opportunity to catch up with our Local and Student Chapters, Special Interest Groups and Technical Communities at the EAGE Community Hub. There, in the Exhibition Hall, we will host a special programme of insightful talks and exciting activities to fulfill your experience. The Community Hub is also the best place to meet with EAGE staff, and ask questions about the Annual and the range of services that we provide, such as membership, EarthDoc & Learning Geoscience.

EAGE HACKATHON: EAGE-AGENTS
Building Agentic AI Applications for Seismic Data Processing

Sunday 1 June - 09:00 - 18:00 | ROOM 3
Monday 2 June - 09:00 - 15:45 | ROOM 3

Hackathon Results and Presentation
Tuesday 3 June - 10:20 - 11:00 | DIGITAL TRANSFORMATION AREA

Revolutionize seismic data processing in an engaging 2-day hackathon where innovation and AI converge! In this challenge, you'll design and implement agentic AI applications capable of autonomously processing real-world seismic data.

No coding experience? No problem! Whether you're an expert coder or new to AI, you may find a challenge tailored to demonstrate your ability to think creatively and implement practical solutions, while tackling real-world challenges.

TRIAL INTERVIEWS

Tuesday 3 June - 09:00 – 17:00 | EAGE COMMUNITY HUB
Wednesday 4 June - 09:00 - 16:00 | EAGE COMMUNITY HUB
Thursday 5 June - 10:00 - 14:30 | EAGE COMMUNITY HUB

At our Trial Interviews, you'll engage in a realistic job interview simulation and receive valuable feedback from industry experts. This is an excellent opportunity for strengthening your profile, gaining insights into professional hiring processes, and building confidence for applying to your next job opportunities. Spots are limited! Sign up at eageannual.org

PROFESSIONAL PORTRAIT PHOTOGRAPHY

Tuesday 3 June - 13:00 – 14:00 | EAGE COMMUNITY HUB
Wednesday 4 June - 09:30 – 10:30 & 13:00-14:00 | EAGE COMMUNITY HUB
Thursday 5 June - 11:00 – 12:00 | EAGE COMMUNITY HUB

A strong CV starts with a professional photo. Get yours taken at the EAGE Community Hub!

MENTORING MEETUP

Tuesday 3 June - 11:30 – 12:30 | EAGE COMMUNITY HUB

Mentoring is an excellent way to enrich your professional journey. Whether you are an early career looking for advice, or an experienced professional willing to share your knowledge, this session will provide you with some guidelines to make the most of this career development exercise.

If you are already part of the EAGE Mentoring Programme 2025, you are welcome to use the meeting spaces at the EAGE Community Hub to meet your mentor / mentee.

GEOSCIENCE NARRATIVES: HOW TO ENGAGE THE PUBLIC THROUGH STORYTELLING

Tuesday 3 June - 16:20 - 17:30 | ENERGY TRANSITION AREA (ETA)

We see a general shift in public engagement from top-down to bottom-up communications. How can geoscientists overcome negative public perception through better communication? Speakers will share experiences and concrete examples of public engagement through storytelling within the energy sector and as enablers of the energy transition.

GEOSECRETS OF FRANCE

Tuesday 3 June - 16:00 – 17:00 | EAGE COMMUNITY HUB

Get ready for a truly special session at this year's EAGE Annual! As the conference arrives in Toulouse, local experts will guide you through some of the region's most fascinating geoscience features. Discover remarkable stories and hidden gems, and wrap it all up with great company and networking with the local community.

GEOSCIENCE COMMUNICATION FOR POLICY

Wednesday 4 June – 14:30 - 15:30 | ENERGY TRANSITION AREA (ETA)

Panel discussion with the Sustainable Energy Circle

This panel session will explore how we can communicate our science more effectively to develop stronger partnerships with project stakeholders for successful project outcomes.

With the support of unesco

LOCAL CHAPTERS' PANEL

Thursday 5 June - 13:00 – 14:00 | EAGE COMMUNITY HUB

Some of EAGE's most active local communities will share their experiences and best practices. What does this mean for you? If you're already a member, you'll gain fresh ideas and valuable contacts for future collaborations. If you're new to Local Chapters, you'll discover what it's like to be part of one and learn how to start your own. Either way, bring your questions and get inspired!

ANNUAL GENERAL MEETING FOR MEMBERS (AGMM)

Wednesday 4 June - 13:30-14:30 | ROOM 12

Members, is there anything you ever wanted to know about EAGE but haven't had the chance to ask? Curious to meet the EAGE Board and discuss topics of importance to you? If so, the Annual General Meeting for Members (AGMM) is where you should be! Join the AGMM to engage with the Board and share ideas and thoughts on EAGE and its future.

BRAIN MATCH

Applications deadline: Wednesday 4 June - 11:00

At a large, dynamic event like the EAGE Annual, the opportunities to connect with peers, experts, and innovators from across the globe are unparalleled. Brain Match is your key for designing a personalized networking activity to gain new meaningful interactions and fresh perspectives.

Sign up to start new conversations!

MINI-MUSEUM EXHIBIT: "MINE TO MAGNET"

2 – 5 June | Available all day | EXHIBITION FLOOR

We are pleased to host the "**Mine to Magnet**" exhibit—an interactive and visually captivating experience that sheds light on the essential journey from raw materials to cutting-edge technology. Curated by **Alexandre Marciel**, former deputy mayor of Toulouse and a leading advocate for Europe's strategic autonomy in raw materials, this exhibit draws from his renowned "Chasseur d'Atomes" approach. Through a unique hands-on collection and pedagogical narrative, attendees will explore the often unseen links between the energy transition, critical minerals, and everyday technology.

EAGE

JOIN US IN MAKING A DIFFERENCE!

Your support can empower the next generation of geoscientists and engineers.

DONATE NOW!

EAGE

STUDENT FUND

STUDENT ACTIVITIES

The Student Programme offers several engaging activities aimed at helping students build their future careers, learn from experienced professionals, engage with their peers, and meet potential employers.

Laurie Dake Challenge 2025

Sunday 1 June - 09:00 – 16:00 | ROOM 1

Challenge finalists will present their findings to an expert jury. After months of working on a challenge to assess the feasibility and potential of CO2 capture by mineralization in basalts, the 1st, 2nd, and 3rd places will be revealed during the award ceremony in the opening session.

The Laurie Dake Challenge is sponsored by

equinor EAGE STUDENT FUND

Exhibition Tour & Education Hunt

Tuesday 3 June - 12:30 – 14:00

Meet a selection of exhibiting companies and find out what they have in store. Participating is the perfect way to get better acquainted with the industry and win great prizes! Register at eageannual.org.
**Starting point: EAGE Community Hub*

Exhibition Tour & Education Hunt is sponsored by

VIRIDIEN

EAGE Global GeoQuiz

Tuesday 3 June - 14:00 – 15:30 | EAGE COMMUNITY HUB

The geo-battle is on! Student delegates are challenged to show off their geoscientific knowledge and skills in the EAGE GeoQuiz. Compete with peers from all around the world and win great prizes! Register at eageannual.org.

Local Students Activities

Wednesday 4 June - 14:00 – 14:30 | EAGE COMMUNITY HUB

French students are invited to discover all the engagement opportunities EAGE has to offer.

Dedicated Student Field Trip - Geological Walk in Toulouse

Monday 2 June - 8:00 – 12:00

The excursion focuses on the geo-heritage of Toulouse city centre. The event explores a variety of topics, including the geological building materials used throughout the city's history and how their availability has evolved. Additionally, it examines the geomorphological context of Toulouse, particularly how it has influenced urban development in relation to flood risks.

The excursion lasts approximately 3 to 4 hours and involves walking through the streets of Toulouse.

Register for the Student Field Trip at eageannual.org.
Meeting point: Palace du Capitole in Toulouse

EAGE Student Chapters Meeting

Wednesday 4 June - 13:30 – 14:30 | EAGE COMMUNITY HUB

The representatives of the EAGE Student Chapters worldwide are invited to meet and talk about their experiences and best practices. Held fully in-person, it will offer great opportunities for social interaction with your peers.

Networking Café

Wednesday 4 June - 15:00 – 16:00 | EAGE COMMUNITY HUB

Eager to connect with representatives from companies or/and academia? Explore job opportunities and new academic programmes in an open and productive setting.

Networking Café is sponsored by

VIRIDIEN

High School Students Programme

Thursday June 5 - 09:00 – 12:30 | EXHIBITION FLOOR

A dedicated session to inspire young minds by introducing them to the world of geosciences and engineering, providing them with the opportunity to interact with industry professionals and engage in activities designed to spark their interest in the energy sector.

EAGE Annual 2025
EXHIBITION HIGHLIGHTS

THE EXHIBITION

Visit the Exhibition
EAGE brings together emerging technologies, state-of-the-art innovations, leading companies and organizations at the Exhibition. More than 200 companies from around the world will showcase their latest technologies, new product launches and valuable industry services. Visit the Exhibition to enhance your product knowledge; see, touch, experience and understand cutting-edge technologies; and meet the people behind the products. Share ideas with professionals from around the world. Grow a network of invaluable contacts for benchmarking, partnering and building your company and career.

Associated Societies Area
The meeting point of EAGE's large cooperation network. Come along and discover how EAGE and its associated societies are working together to promote innovation and knowledge exchange.

International Prospecting Center (IPC)
Licensing agencies and National Oil Companies will promote their exploration and investment opportunities, inform the industry about current and new exploration activities, and announce new licensing rounds.

University Area
Stay up-to-date on new projects and the latest research and developments from universities. Institutes and universities are gathered in one dedicated area. Visit the University Area and meet with universities from all over the world!

EAGE Community Hub
The best place to enrich your experience with professional development and networking initiatives. You may also meet with EAGE staff, and ask questions about the range of services that EAGE provides.

Energy Transition Area (ETA)
Visit the Energy Transition Area and connect with thought-leaders, innovators and disruptors who play a pivotal role to play on the pathway to net-zero emissions.

Digital Transformation Area (DTA)
Connect with exhibitors that offer solutions around people, processes and technology, which transform the industry.

Start-Up Area
Get up-to-date with the start-ups; they are looking for potential customers as well as investors in order to develop and spread their innovative ideas. Get inspired by their positivity and enthusiasm and witness firsthand an outbreak of disruptive ideas.

Afternoon Drinks
Cap off your day with Afternoon Drinks at the Exhibition – Tuesday from 16:20 and Wednesday from 15:40.

EXHIBITION OPENING HOURS

Monday 2 June	18:15 - 20:15
Tuesday 3 June	08:45 – 18:20
Wednesday 4 June	08:45 – 17:30
Thursday 5 June	08:45 – 18:20

THE EXHIBITION THEATRES

Held alongside the main EAGE technical programme agenda, the Exhibition Theatres provide a programme of presentations by our participants from the Digital Transformation, Energy Transition, International Prospecting Centre areas, and pitches by the start-ups. Join us as we seek to promote the new and latest development model we are moving towards.

Energy Transition Area / Digital Transformation Area Sponsor

Spotfire

International Prospecting Center Sponsor

PETRONAS

Headsets Connection

To ensure the best audio experience, we will provide you with a headset and receiver for use in each theatre. You can collect your headset directly at the theatre. Please be sure to return it to the same location after use.

Host

TotalEnergies

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S&P Global Commodity Insights

Platinum sponsor

Gold Sponsors

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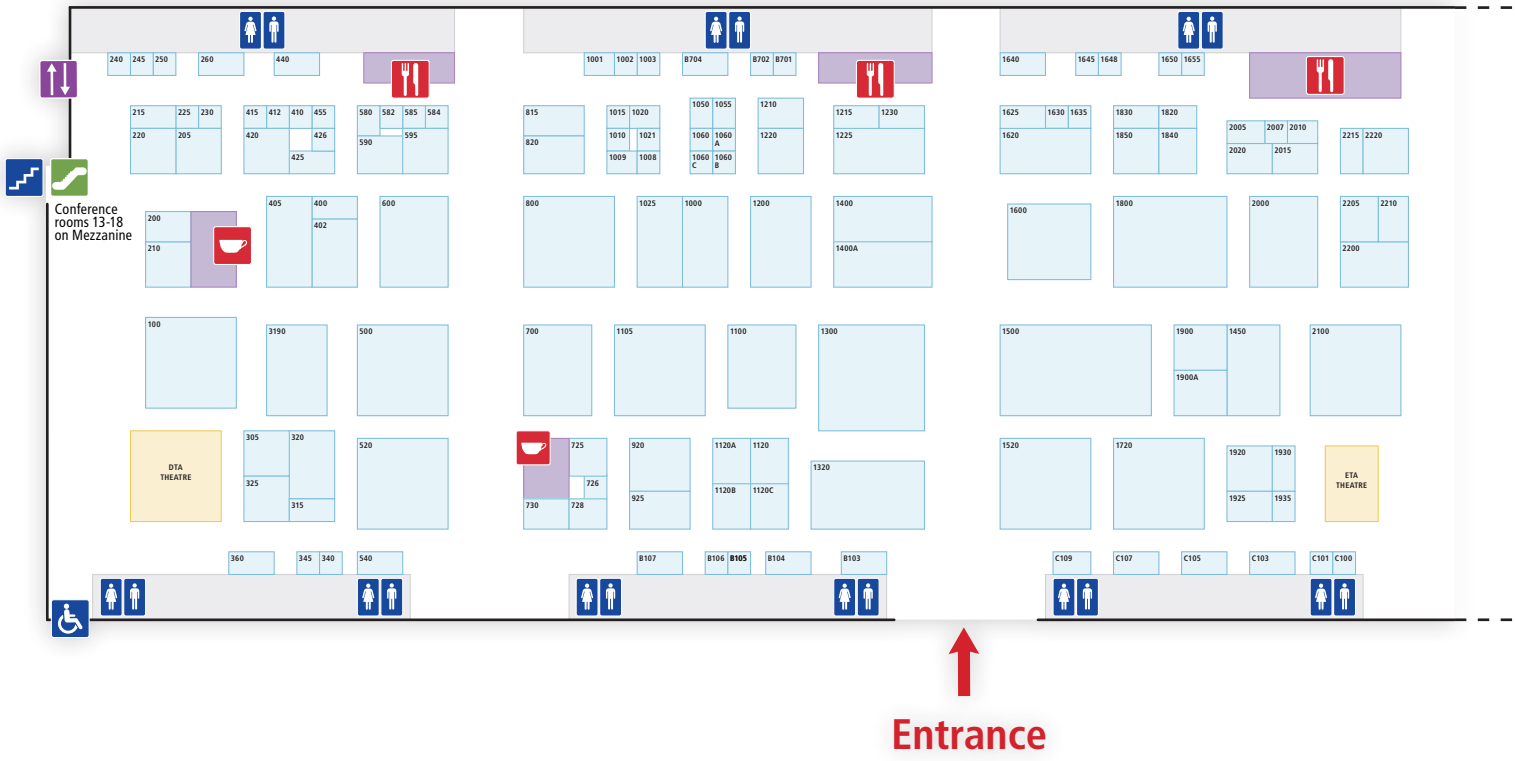
مؤسسة البترول الكويتية وشركاتها التابعة
Kuwait Petroleum Corporation and subsidiaries

Silver Sponsor

CNPC BGP

EXHIBITION AREA *Last updated 2 May 2025*



LIST OF EXHIBITORS *(26 April 2025)*

AS = Associated Society
DTA = Digital Transformation Area
ETA = Energy Transition Area
IPC = International Prospect Centre
SU = Start-Up Area
UNI = University Area
S = Sponsor

3DHISTECH	2005
45-8 Group	1930
ACT-GEO	245
AGAP Qualité	AS
All-Ukrainian Association of Geoinformatics (AUAG)	AS
ALSEAMAR	1640
ANCAP	IPC31
Angolan Geophysical Association (ASGA)	AS
Argeo ASA	1620
ARK CLS Ltd	310
Aspen Technology Inc	1850
Association of Geophysicists and Environmentalists of Serbia (AGES)	AS
Atlas Fluid Controls	1630
Australian Society of Exploration Geophysicists (ASEG)	AS
Avalon Sciences Ltd	540
AVENIA	AS
Azerbaijan Society of Petroleum Geologists (ASPG)	AS
Baker Hughes	800
Balkan Geophysical Society (BGS)	AS
Beicip-Franlab	200
BGP Inc.	1800 S
BLUWARE INC. + Sharp Reflections	100
Brazilian Geophysical Society (SBGf)	AS
BRGM	2472
Cegal AS	1220
Central Geo Ltd.	1055
China Oilfield Services Limited (COSL)	520
China University of Petroleum	UNI 21
Chinese Geophysical Society (CGS)	AS
Chongqing Gold Mechanical & Electrical Equipment Co., Ltd	SU 250
Curtin University	UNI 14
Curtin University	UNI 22

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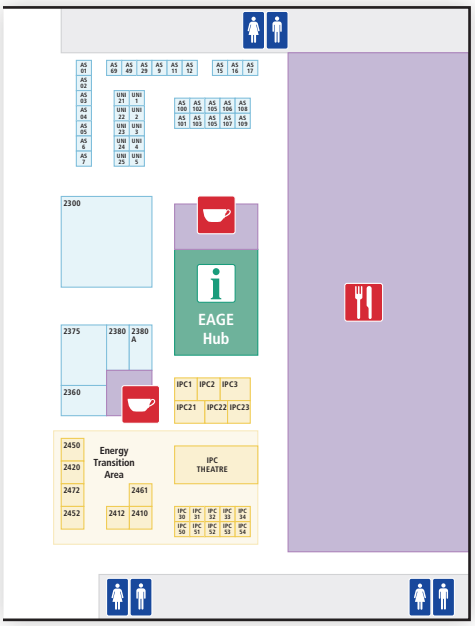

CVA Europe Holding	SU 1120
Czech Association of Geophysicists (CAAG)	AS
Delft Inversion	C109
Devito Codes	210
dGB Earth Sciences	310A
DMT	1000
DownUnder GeoSolutions (DUG)	1320
Dynamic Graphics Ltd	260
EAGE Community Hub	EAGE HUB
Earth Science Analytics	205
EIF Geosolutions	C103
EIWT	B702
Eliis SAS	1900
EMGS ASA	1230
Engenius Software	400
EOST Strasbourg	UNI 4
EOST Strasbourg	UNI 12
Ephesia Consult SAS	2450
ETAP-Entreprise Tunisienne d'Activités Pétrolières	IPC 22
European Federation of Geologists (EFG)	AS
European Geosciences Union (EGU)	AS
Exail	726
Exige SA	B701
FEBUS Optics	1120A
FGPS Limited	310B
Fraunhofer ITWM	100
Fraunhofer IWES	585
Fugro	595
Gardline Limited	1210
GEM Systems Advanced Magnometers	C100
Geo Ex Machina	580
GEODEVICE	1648
Geofizyka Torun S.A.	320
Geognostics	725
GeoLogica Ltd	582
Geomind AS	B107
Geopartner Geofizyka sp. z.o.o.	B704
Geophysical Technology Inc	1900
GeoSoftware	2200
Geospace Technologies Corp.	700
Geosurveys	1935
Geoteric	1920
Geothermal Rising (GR)	AS
GeoTomo LLC	345
Geovariances	412
Geovista Ltd	1655
German Geophysical Society (DGG)	AS
Global Geophysical Services	1900
Guralp Systems Limited	1058
GVERSE GeoGraphix	1003
H-Expertise Services	584
Halliburton Landmark	1105
Heriot-Watt University	UNI 25
Herrenknecht AG	420
HGS (India) Limited	C101
HGS Products B.V.	C101
HRH Geology	1021
Ikatech LLC	SU 1935
Ikon Science Ltd	1225
InApril	B103
Ingen Innovations Geosciences	2420
INGEN	2420
INOVA Geophysical	1450
Intrepid Geophysics	1010
INT Inc	120
International Association for Engineering Geology and the Environment (IAEG)	AS
Kappa Offshore Solutions	240
King Fahd University of Petroleum and Minerals (KFUPM)	UNI 1
Kuwait Geosciences Society (KGS)	AS
Kuwait Oil Company	2300
Leobersdorfer Maschinefabrik GmbH (LMF)	2380
LMK Resources Inc. (GVERSE)	1003
Lucid	SU 1015
MARAC	1060a
MIND Technology, Inc	820
Moroccan Association of Geosciences (MAG)	AS
Moveout Data Services Ltd.	2210
Nanometrics Inc.	455
Newtec Scientific	584

New Founland and Labrador	SU IPC
Nigerian Association of Petroleum Explorationists (NAPE)	AS
NOC Libya	SU IPC 30
Oil and Gas Trainers' Association of Nigeria (OGTAN)	AS
Onward	C107
OPENGOSIM LTD	315
OvationData Ltd.	C105
Ovun AS	2452
OYO Corporation	920
PanTerra Geoconsultants BV	B105
PE Limited	2100
Petroleum Exploration Society of Australia (PESA)	AS
PETRONAS	IPC 21
PetroStrat Limited	1635
PJSC Ukrnafta	2375
PSS-Geo AS	2220
PXGEO Services DMCC.	600
Qeye	360
RadExPro Seismic Software LLC	1925
RT Clark	1060c
Realtimeseismic	1120C
Rock Flow Dynamics	1720
Romanian Society of Applied Geophysics (RSAG)	AS
Romanian Society of Geophysics (RSG)	AS
RoQC Data Management	425
RPS Energy	2020
S&P Global Commodity Insights	405
S^3 - Smart Seismic Solutions	1625
SAExploration	2000
Saudi Aramco	1500
Saudi Geophysical	1900
SAFRAN	2010
Scandinavian Visualization Society (ScanViz)	AS
Scintrex	1060b
Searcher Seismic	402
Seismeq AS	2007
Seismic Partner	730
Seismic Source	1650
Seismik	1002
Seisnetics LLC	1020
Sercel	1400
Sharp Reflections	100
Shearwater	1600
Sinopec Geophysical Corporation	500
Sintef	590
SLB	1520
SNF S.A	728
Solgeo srl - Seismix srl	1820
Sonardyne International Ltd	440
Sound Oceanics LLC	2215
Sound QI Solution Ltd.	2015
Spotfire	ETA/DTA 225
Spotlight Earth	1120B
Stiftelsen NORSAR	1215
Striped Horse Resources Limited	IPC1
Stryde Limited	1025
Suzhou Geophysical Deep Sensing Technology Co..,Ltd	325
SYRLINKS	2010
TDI-Brooks Internations Inc.	B104
Tech Limit	1645
TechnoImaging	410
TEEC	305
Teledyne Marine	925

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www.eageannual.org

TERRASYS Geophysics GmbH & Co. KG	305
Tessael	415
TGS	1100
The EasyCopy Company	B106
The Society of Exploration Geophysicists of Japan (SEGJ)	AS
The HPC-AI Society	AS
Thin Section Lab (TSL)	584
ThinkOnward	210
TotalEnergies	1300
TRE ALTAMIRA	2360
Troika International Ltd	340
Ulmatec	SU 2380A
Verif-i Limited	310C
Viridien	1400
VSProwess Ltd	1001
Waverity	1009
Weihai Sunfull Geophysical Exploration Equipment	1830
Wildcat Technologies	230
Z-Terra	1900
Zhaofeng Sensor Equipment Co. Ltd.	1050