

EAGE

EUROPEAN
ASSOCIATION OF
GEOSCIENTISTS &
ENGINEERS



Fifth EAGE Eastern mediterranean Workshop

1-3 DECEMBER 2025 • CAIRO, EGYPT

● Programme

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WELCOME TO CAIRO AND 5TH EAGE EASTERN MEDITERRANEAN WORKSHOP

On behalf of the Technical Committee, it is my pleasure to invite you to join us for the fifth EAGE Eastern Mediterranean Workshop, taking place on 1-3 December 2025 in the historic and vibrant city of Cairo, Egypt.

This year's workshop theme, Advancing Sustainable Energy Solutions in the Eastern Mediterranean, reflects the global commitment to achieving net-zero emissions and securing a sustainable future for generations to come.

As the energy transition accelerates, oil - and particularly natural gas - will continue to play a vital role, supporting a low-carbon pathway and enhancing energy security. Our workshop highlights the importance of hydrocarbons within this transformative landscape while exploring cutting edge technologies emerging across diverse energy sectors. We are thrilled to bring together a community of researchers and professionals, fostering the exchange of ideas and innovative research that will shape future collaborations.

The Eastern Mediterranean, a region marked by rich hydrocarbon potential and dynamic geopolitical landscapes, provides an ideal setting for these discussions. Here, regional subsurface expertise can be instrumental in advancing technologies such as carbon capture, utilisation and storage, hydrogen production and storage, offshore wind and geothermal solutions.

EAGE and the Technical Committee will also share updates on recent progress in regional geology, petroleum systems and prospectivity, alongside the latest developments in new technologies and market opportunities. Building on the success of the 2023 workshop in Athens, our fifth gathering aspires to further foster cross-fertilisation, inviting experts from all energy sectors to contribute to discussions on energy transition and social responsibility.

Beyond engaging sessions and stimulating discussions, the fifth EAGE Eastern Mediterranean workshop promises outstanding networking opportunities and memorable activities.

We look forward to welcoming you in Cairo, Egypt and would be honoured by your presence!

Sincerely,



Aristofanis Stefatos
Chair of the Technical Committee 5th EAGE
Eastern Mediterranean Workshop
CEO | HEREMA

TECHNICAL COMMITTEE

Rupert E. Dalwood	ExxonMobil
Efthymios Efthymiou	Cyprus Hydrocarbons Company
Anne Gogola	Chevron
Mark Hamilton	TGS
Ahmed Karam	EUG Egypt
Jacopo Panizzardi	Eni
Nikolas Papadimitriou	Geological Survey Cyprus
Mohamed Radwan	EUG Egypt
Jason Robinson	Trusted Energy Advisory
Juan I. Soto	Granada University
Aristofanis Stefatos*	HEREMA
Sugandha Tewari	SLB

*Committee Chair

VENUE

Sheraton Hotel Cairo
Charles de Gaulle, Ad Doqi A, Dokki, Giza Governorate
3750412, Egypt

Registration Opening Hours

Monday 1 December 2025	08:00-17:00
Tuesday 2 December 2025	08:30-17:00
Wednesday 3 December 2025	08:30-13:00

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





Safe EAGE

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 Event Code of Conduct

Please scan the QR code to access the EAGE Event Code of Conduct and ensure a respectful and inclusive experience for all participants.



Catering

Coffee/tea breaks and Lunch are included in the registration fee for all registered delegates. Please refer to the full agenda for the exact timings.

Lunch is served daily at the Rawi Restaurant, located on the 2nd floor of the North Tower.

Wi-Fi

You will have free access to Wi-Fi throughout the venue. Ask at the EAGE registration desk for the Wi-Fi Password.

EAGE Event App

The EAGE Event App is at your disposal for EastMed2025! Scan the QR code to download the app.

Event code: EMW2025



Access more functionalities in the App by clicking on “Log In” then entering the email address and pin code provided in the “Be well prepared” email sent to you prior to the event.

Social Media

Stay connected with EAGE through our social media channels on LinkedIn and join the conversation with #EastMed2025.

SOCIAL PROGRAMME

Icebreaker Reception

Monday, 1 December
Sheraton Hotel, North Tower, 23rd floor
17:10 - 18:30

Workshop Dinner

Tuesday, 2 December
Cruise on the Nile River aboard a yacht.
Embark and disembark from the Sheraton Hotel.
19:00 - 22:00

The Icebreaker reception and the workshop dinner are included in the registration fee. Don't forget to bring your badge to all Social Programme events to gain access!

CONTACT

For further up-to-date information and questions, please check our website, the Event App, or contact EAGE staff on-site.

PROGRAMME SCHEDULE

Information is accurate as of Monday, 24 November 2025. Full details of the presentations and the most up-to-date information can be found on our website or in the Event App.

Scan here to access the papers on Earthdoc (your EAGE membership credentials are required. If you are yet to be processed as an EAGE member, you can also access the papers via the Event App)



Oral Presentations | Monday, 1 December

GALAXY ROOM B	
09:00	Welcome & Introduction
Petroleum Systems & Prospectivity 1 Chairs: M. Hamilton (TGS) & W. Bosworth (The University of Texas at Austin)	
09:10	Keynote Presentation: Egypt's Mediterranean Momentum: Exploration to Vision - H. Hendy ^{1*} ¹ BP Egypt
09:40	Exploration Opportunities In Egypt's Deepwater Eastern Mediterranean Insights into the Complex Plio-Pleistocene Structural Play - M. Elmadawy ^{1*} , E. Mohamed ¹ , A. Ibrahim ¹ , M. Radwan ² ¹ Egypt Upstream Gateway EUG; ² Ministry of Petroleum and Mineral Resources
10:00	Sequence Stratigraphy, Seismic Facies and Prospectivity of West El Burullus (WEB) Field, Offshore Nile Delta, Egypt - M. Sidky ^{1*} , T. Hafeez ² , M. Taher ² , A. Abdel Baset ³ ¹ Cheiron Energy; ² Geology Department, Faculty of Science, Al-Azhar University; ³ Al Wastany petroleum company
10:20	Unlocking Egyptian Mediterranean Hydrocarbon Potential Characterizing Diverse Pre-salt Plays Derived from Advanced Mega seismic Processing - A. Hassan ¹ , M. El-Madaawy ^{1*} , E. Mohamed ¹ , G. Saleh ² , M. Salheen ² , M. Radwan ³ ¹ Egypt Upstream Gateway EUG; ² SLB; ³ Ministry of Petroleum and Mineral Resources
10:40	Coffee Break
Petroleum Systems & Prospectivity 2 Chair: A. Gogola (Chevron)	
11:10	Gas escape features and their origin in the Ionian Sea, Western Greece - C. Tzimeas ^{1*} , A. Nikitas ¹ , I. Alexandridis ¹ , G. Makrodimitras ¹ , E. Tartaras ¹ , A. Stefatos ¹ ¹ Hellenic Hydrocarbons And Energy Resources Management Company (HEREMA)
11:30	Geochemical Characterization of Triassic Source Rocks of Amal Formation, Eastern Sirt Basin, Libya - M. Hrouda ^{1*} ¹ National Oil Corporation
11:50	Offshore Lebanon hydrocarbon prospectivity – what does the future hold? - M. Hamilton ^{1*} ¹ TGS
12:10	Depositional Environment Interpretation and Petrophysical Characterization of PUC(B)sand Reservoir in Area 90, Sirte Basin, Libya - O. Elawaib ^{1*} ¹ Arabian Gulf Oil Company
12:30	Dynamic Modeling of Hydrocarbon Reserves and Estimating Optimal Well Placement in Mature Oil Fields - G. Hamada ^{1*} ¹ Arab Academy for Science and Technology-Alexandria-Egypt
12:50	Lunch Break

Geology of the Eastern Mediterranean 1	
Chairs: M. Hamilton (TGS) & J. I. Soto (Granada University)	
13:50	Keynote Presentation: Unlocking the Full Potential of the Eastern Mediterranean: When Ideas, Geology, Technology, and People Come Together - P. Papazis ^{1*} ¹ Chevron
14:20	Carbonate Petroleum Systems of the Eastern Mediterranean: A Review and Classification - C. Ricci ¹ , P. R. Shiner ^{1*} , G. Rusciadelli ^{1,2} ¹ Strata GeoResearch; ² University G. D'Annunzio Chieti-Pescara
14:40	New stratigraphic insights from recent drilling on the Herodotus Margin - W. Jackson ^{1*} , D. Moreton ¹ , E. Habgood ¹ , C. Donald ¹ , R. Hunter ¹ , O. Davis ¹ ¹ Exxonmobil
15:00	Herodotus Basin spatial-temporal evolution and tectono-stratigraphic framework, implications for potential plays - O. Rashad ^{1*} , A. Mangione ² , M. Abd El-Fattah ¹ , M. Fouad Aly ¹ , J. Redfern ² ¹ Cairo University, Faculty of Science, Geology Department; ² University of Manchester, the North Africa Research Group (NARG)
15:20	Coffee Break
Geology of the Eastern Mediterranean 2	
Chairs: R. Dalwood (ExxonMobil International Limited.) & A. Gogola (Chevron)	
15:50	Enhancing exploration by 3D seismic reimagining of the Oligo-Miocene play, Nile Delta basin - G. Saleh ^{1*} , A. El-Midany ¹ , M. Salheen ¹ , W. Kang ¹ , A. Moussa ¹ , O. Hossam ¹ , M. Karer ¹ , A. Alemam ¹ , M. Benyamin ² , A. Ahmed ² , M. Radwan ² ¹ SLB; ² Egypt Upstream Gateway
16:10	The Role of Triassic Salt in the Deformation of the Ionian Zone (Albania and Greece) - J. I. Soto ^{1,2*} , M. D. Tranos ³ , Z. Bega ⁴ , T. P. Dooley ² , P. Hernández ⁵ , M. R. Hudec ² , P. A. Konstantopoulos ⁶ , E. Lula ⁷ , K. Nikolaou ⁸ , R. Pérez ⁵ , J. P. Pita ⁵ , J. A. Titos ⁸ , C. Tzimeas ⁹ , A. Herra Sánchez de Movellán ⁵ ¹ Granada University; ² The University of Texas at Austin; ³ University of Thessaloniki; ⁴ Independent consultant; ⁵ REPSOL Exploración S. A.; ⁶ Energiean Oil & Gas; ⁷ San Leon Energy Plc; ⁸ ICINCO S. A.; ⁹ HEREMA S. A.
16:30	Assessment of the carbonate and clastic sequences in the North Ionian Sea: A hydrocarbon exploration perspective - G. Makrodimitras ^{1*} , A. Nikitas ¹ , I. Alexandridis ¹ , K. Tzimeas ¹ , E. Tartaras ¹ , A. Stefatos ¹ ¹ Hellenic Hydrocarbons and Energy Resources Management S. A. (HEREMA S. A.)
16:50	Crustal cross-section construction in External Hellenides to decipher the structural complexity of Western Greece - D. Spanos ^{1*} , A. Stathopoulou ¹ , E. Tripanas ¹ , I. Oikonomopoulos ¹ , A. Pagoulatos ¹ , S. Sotiropoulos ¹ ¹ HelleniQ Energy

Oral Presentations | Tuesday, 2 December

GALAXY ROOM	
New Technologies & Opportunities in the Eastmed 1	
Chair: A. Pagoulatos (HelleniQ Upstream)	
09:00	Keynote Presentation: "Innovative Seabed solutions at scale for exploration & development" - A. Zarkhidze ^{1*} ¹ SLB
09:30	Reducing Sub-Messinian Uncertainty in Offshore Egypt Using Time-lag FWI with Narrow-azimuth Towed-streamer Data - S. Ghose ^{1*} , Y. Liu ² , J. Gillespie ¹ , R. Lyons ¹ , A. Searle ¹ , H. Su ² , F. Gao ² , N. Ladeb ² ¹ Chevron; ² Viridien
09:50	Broadband seismic reprocessing for improved imaging, a case study, Mediterranean Sea, Offshore Egypt - M. Ouda ^{1*} , W. Kang ¹ , A. Moussa ¹ , O. Hossam ¹ , A. Sazykin ¹ , A. Alemam ¹ , A. Menari ¹ , M. Osman ¹ , H. Youssef ¹ , N. Rezeka ¹ , M. Gheith ¹ , O. Eissa ¹ , M. Salheen ¹ , G. Saleh ¹ , A. El-Midany ¹ , M. Benjamin ² , A. Ahmed ² , M. Radwan ² ¹ SLB; ² Egypt Upstream Gateway
10:10	Efficient Acquisition Solutions for Pre-Messinian Imaging in the Eastern Mediterranean - M. Widmaier ^{1*} , S. Baldock ¹ , A. Misra ¹ , M. Cvetkovic ¹ ¹ TGS
10:30	Coffee Break
New Technologies & opportunities in the Eastmed 2	
Chair: R. Dalwood (ExxonMobil International Limited.)	
11:00	Mixed-phase wavelet estimation for signature in marine seismic data processing - M. Bekara ¹ , M. Salem ^{1*} , H. Shabaan ¹ , N. Gamal ¹ ¹ TGS
11:20	Seismic imaging in the Qattara depression region of Egypt's Western Desert - A. Rizk ¹ , M. Bahlol ^{2*} , S. Carbonara ¹ , A. Zaky ¹ , M. Mazzarelli ¹ , F. Henein ² , A. Gamal ² , A. Tag ² , A. ElBassiony ² ¹ Energean Egypt Limited; ² Brightskies Geoscience
11:40	Mitigating Mediterranean Sea data challenges before imaging-case study - M. Salem ^{1*} , H. El Said ¹ , D. Mohamed ¹ , M. Raafat ¹ ¹ TGS
12:00	Application of Machine Learning on Predicting Oil Recovery during Spontaneous Imbibition by Low Salinity Water - A. Bukayev ¹ , M. Riaz ¹ , M. Umer Shafiq ¹ , M. Naim ^{1*} ¹ Nazarbayev University
12:20	Lunch Break
Energy transition & interaction with communities	
Chair: A. Stefatos (HEREMA)	
13:20	A Fully Automated Design of Experiments-based Method for Rapidly Achieving Near-Optimal CO2 Injection Strategies - E. T. Diplas ¹ , I. Ismail ² , V. Gaganis ^{1*} , E. Tartaras ² , A. Stefatos ² ¹ School of Mining and Metallurgical Engineering, National Technical University of Athens; ² HEREMA S. A.
13:40	Steps Towards a Complete CCS Storage Atlas in Greece: Workflow and Pilot Application - V. Gaganis ¹ , I. Ismail ^{2*} , M. Amvrazis ² , D. Ktenas ² , K. Tzimeas ² , E. Tartaras ² , A. Stefatos ² ¹ School of Mining and Metallurgical Engineering, National Technical University of Athens; ² HEREMA S. A.
14:00	Egypt's Upstream Evolution Leveraging Data-driven Innovations for Energy Security and Sustainability - M. Benyamin ^{1*} , A. Gamal Eldin ¹ , A. Abdelaziz ¹ , A. Karam ¹ , A. E. Ayed ¹ ¹ EUG
14:20	Prinos CO2 Storage Permit Application: An Integrated Technical and Regulatory Workflow - M. Amvrazis ¹ , I. Ismail ¹ , D. Ktenas ¹ , V. Gaganis ² , E. Tartaras ^{1*} , A. Stefatos ¹ ¹ HEREMA S. A. ; ² School of Mining and Metallurgical Engineering, National Technical University of Athens



14:40	Spatiotemporal Hierarchical Optimization of CO2 Injection Schedules: An Industry-Ready Framework - I. Ismail ^{1*} , V. Gaganis ² , E. Tartaras ¹ , A. Stefatos ¹ ¹ HEREMA; ² School of Mining and Metallurgical Engineering, National Technical University of Athens
Poster Session & Extended Break	
15:00	From Chinguetti to Tiof: Fractured Reservoir Study and Rentability Assessment, Coastal basin- Mauritania - D. Dahmane ^{1*} , L. Aliouane ¹ , A. Kebd ² , A. Rigane ³ ¹ Boumerdes University; ² Nouakchott University; ³ Sfax University
	Uncover obscured structures: Gravity Gradiometry-led modelling in Tanzania's Eyasi Wembere Basin - S. Gumha ^{1*} ¹ Tanzania Petroleum Development Corporation
	Carbonate Platform Classification for De-risking Deep Exploration Targets in the Eastern Mediterranean - C. Ricci ¹ , G. Rusciadelli ¹ , P.R. Shiner ^{1,2*} ¹ Strata GeoResearch; ² University G. d'Annunzio, Chieti-Pescara
	Field Validation of a Chemical Injection Technique for Sand Control in Libyan Sandstone Reservoirs - T. Duzan ^{1*} , I. Atter ¹ ¹ Waha
	Data-Driven Insights into Hydraulic Fracturing Success in Tight Sandstone Reservoirs - T. Duzan ^{1*} , K. Gazal ¹ ¹ Waha
	Exploring Hidden Gas Potential in Upper Miocene Offshore Western Nile Delta Block-5 Case Study - M. Elmadaawy ^{1*} , A. Hassan ¹ , A. Abu Salama ¹ , N. Hassan ¹ , M. Radwan ² ¹ Egypt Upstream Gateway EUG; ² Ministry of Petroleum and Mineral Resources
	Hydrocarbon Potential and De-Risking Exploration in East Ghazalat Area through Integrated Geological and Petroleum System Analysis - M. Benyamin [*] ¹ Egypt Upstream Gateway
	Mechanistic Insights into Surfactant-Stabilized Emulsions for Enhanced Oil Recovery in High-Permeability Reservoirs - M. Naim ^{1*} , O. Bakhtygereyev ¹ , M. Riaz ¹ , P. Pourafshary ¹ , S. Omirbekov ¹ , J. Ismailova ² , M. Khanjani ¹ ¹ Nazarbayev University; ² Satbayev University
New Technologies & opportunities in the Eastmed 3	
Chairs: M. Hamilton (TGS) & A.Karam (EUG)	
16:00	Machine Learning-Based Porosity Cube Prediction from Integrated Well Logs and 3D Seismic Attributes: Egypt's Offshore Mediterranean - M. Atefi ^{1*} , A. Osman ¹ ¹ Egypt Upstream Gateway (EUG)
16:20	A Hybrid Physics-Informed Machine Learning Workflow for Predicting Shear and Compressional Wave Velocities in a WDDM - A. Mahdy ^{1*} ¹ Ain Shams University
16:40	Modelling Emulsion Flooding using Physics-Informed Neural Networks - O. Samarkanov ¹ , M. Riaz ¹ , I. Sonny ¹ , S. Kamrava ² , M. Naim ^{1*} ¹ Nazarbayev University; ² Colorado School of Mines

Oral Presentations | Wednesday, 2 December

GALAXY ROOM	
New Technologies & opportunities in the Eastmed 4	
Chair: E.Tartaras (HEREMA)	
09:00	Keynote Presentation: The State of Exploration Globally and in the Eastern Mediterranean - J. Collard ^{1*} ¹ Westwood Global Energy
09:30	Unlocking Imaging Challenges Through Advanced Imaging in West Mediterranean Offshore, Egypt - T. Darwish ^{1*} , M. Mohamed ¹ , M. Hartt ¹ , M. Romanenko ¹ ¹ TGS
09:50	OBN technology for exploration: illuminating below the Messinian - G. Busanello ^{1*} ¹ SLB
10:10	Unlocking Complex Reservoirs for Smarter Exploration: Mapping Diagenetic Pathways in Miocene Carbonates, Gulf of Suez, Egypt - M. Benyamin ^{1*} , I. Lasheen ¹ , A. Ayed ¹ , A. Karam ¹ , A. Fawzy ¹ , E. Othman ¹ , M. Radwan ¹ ¹ Egypt Upstream Gateway
10:30	Coffee Break
11:00	PANEL DISCUSSION "Unleashing the potential of the Eastern Mediterranean"
12:30	Lunch Break
13:30	End of Workshop

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