



EAGE

FIRST EAGE ATLANTIC GEOSCIENCE RESOURCE EXPLORATION & DEVELOPMENT SYMPOSIUM

**ATLANTIC CONJUGATE MARGINS AND THEIR
GLOBAL SIGNIFICANCE IN OUR ENERGY FUTURE**

5-7 MAY 2025 | MARRAKECH | MOROCCO

PROGRAMME

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TECHNICAL PROGRAMME COMMITTEE

The Technical Programme Committee is integral to the workshop and enables EAGE to continue its mission in the development and application of geosciences to promote innovation and technical progress in communities worldwide.

Mohamed Zine (Co-Chair)	Ministry of Energy Transition and Sustainable Development
Karyna Rodriguez (Co-Chair)	Searcher Seismic
Asmae Benarchid	ONHYM
Soufiyan Azagoune	ONHYM
Nahid EL Mesbah	ONHYM
Salim Lahsini	ONHYM
Atika Karim	ONHYM
Duncan Wallace	Chariot Energy Group
Verity Agar	TGS
Fatin Tasnim Bt Baharuddin	PETRONAS
Javier Hernandez	CSIC
Marjosbet Uzcategui Salazar	SLB
Arindam Kanrar	SLB
Gerardo Gaitan	S&P Global
Jean-Philippe Adam	Ellis
Driss EL OUAL	Scientific Institute, Mohammed V University of Rabat & Moroccan Association of Geosciences (MAG)
Steve Pitman	Independent
Charlotte Nielsen	Total Energies
Gal Hartman	Ratio Energies
Michael Hohbein	Genel Energy
Jeffrey Kraus	Exxon Mobil
Abdellah Ait Salem	Independent Consultant - Experts on the Morocco geology / Petro-Geol Consulting
John Argent	Sound Energy
David Dutton	CNOOC
Francisco Pangaro	Repsol
Bryan Gill	Westwood Global Energy Group
Norelis Rodriguez	Chevron
Khalid Amrouch	ONHYM
Laura Bornatici	NewMed
Mike McConnell	Hunt Oil
Madhurima Bhattacharya	Viridien



SYMPOSIUM OVERVIEW

Unlocking the Atlantic Conjugate Margins: A Global Forum on Geology, Resources & Sustainability

This 3-day premier conference is an exceptional platform to explore the geological complexities, resource opportunities, and latest discoveries of the Atlantic Conjugate Margins. It is dedicated to investigating the geological and economic phenomena of these margins, while also focusing on integrating sustainability into resource exploration.

- **Deep-Dive into Geology** – Unravel the origins, evolution, and geological complexities that define the Atlantic Conjugate Margins.
- **Maximizing Resource Potential** – Assess opportunities in hydrocarbons, minerals, and emerging economic prospects within these regions.
- **Driving Sustainable Exploration** – Address environmental considerations and responsible resource development for a greener future.
- **Global Impact & Insights** – Examine how these margins contribute to our understanding of continental drift, climate history, and planetary geology.

Don't miss this opportunity to gain valuable insights, network with key players, and shape the future of exploration. **Join us at the forefront of geological innovation!**

TOPICS COVERED IN THE TECHNICAL PROGRAM

1. Geology, Geodynamics, Stratigraphy and Tectonics of Atlantic Conjugate Margins

- Formation and tectonic history of conjugate margins
- Continental rifting and geological evolution
- Sedimentary basins, structural geology, and stratigraphy
 - Geological heritage and paleoenvironmental Reconstructions

2. Hydrocarbon Resources and Exploration

- Petroleum systems and source rocks
- Tectonic controls on Reservoirs and their characterization
- Oil and gas exploration in Atlantic Conjugate Margins
- Exploration strategies, funding, achievements and challenges
- Offshore drilling, well evaluation, deep water and the frontier areas
- Regulations and above ground risks

3. Advancements in Geoscience Technologies

- Emerging technologies in geophysics, AI and Digitalization
- New Seismic Acquisition and Processing Techniques
- Modern seismic exploration techniques.
- Innovations in geological mapping, remote sensing and data integration
- Near-surface geochemical and environmental monitoring
- Geophysical considerations for offshore wind

4. Lessons learned from Exploration and Production

- Case studies, impacts from recent discoveries and best practices
- Data acquisition, processing, interpretation, and integration methods
- Risk assessment and mitigation strategies
- Collaboration, industry partnerships, and lessons

5. Energy Transition in the Atlantic region

- Carbon Capture Utilization and Storage (CCUS) Potential, Carbon emissions from O&G operations
- Social engagement, community development and Sustainability
- Hydrogen and Geothermal Energy
- Environmental impacts and mitigation strategies

6. Country Showcase

- Showcasing opportunities in different countries

OPENING ADDRESS SPEAKERS



Laura Valentina Socco

President, EAGE Board of Directors



Amina Benkhadra

General Director of the National Office of Hydrocarbons and Mines, ONHYM

KEYNOTE SPEAKERS



Kenneth Mcdermott

Structural Geologist – Integrated Subsurface Characterisation
Shell

Keynote Title: TBC



Douglas Paton

Applied Structural Geology and Tectonics Expert, and Director
TectonKnow

Keynote Title: How can we better predict basin evolution and prospectivity along (and across) conjugate margins?



Wadii El Karkouri

EVP – Imaging and Technology
TGS

Keynote Title: Accelerating exploration of the Atlantic Conjugate Margins - enabled by technology



Pablo Rodríguez

Exploration and Production Professional
ANCAP

Keynote Title: Advancing Offshore Exploration: Technologies for Derisking Petroleum Projects in Frontier Basins – The Uruguayan Case



Andrew Pepper

Founder
This is Petroleum Systems LLC

Keynote Title: Discovery Thinking In Central Atlantic Basin Petroleum Systems: Back To The Source Rock

PANEL DISCUSSIONS

Panel I: Recent Breakthroughs and Future Challenges in Exploration

Monday, 5 May 2025

16:45 - 5:45 (Morocco Time)

Moderator



Bryan Gill

Exploration Geologist
Westwood Global Energy Group

Panel Speakers



Dr. Carl Watkins

Director of Global Business Development,
Viridien Earth Data



Peter McDonnell

Seismic Processing Lead
CNOOC



Duncan Wallace

Technical Director
Chariot Energy Group



Asmae Benarchid

Petroleum Exploration Director
ONHYM

GENERAL INFORMATION

Venue

Kenzi Rose Garden

Meeting Rooms: Agdal & Harti

Address: Street President Kennedy, Marrakech, Morocco

T: +212 (0) 524 44 7400

EAGE Registration Desk

We encourage delegates to visit the EAGE Registration Desk to learn about membership benefits and upcoming events to make the most of your EAGE involvement. We welcome feedback on EAGE's activities for us to improve upon our membership services.

Luncheon

Restaurant L'Orangerie (Seated Buffet Lunch)

Lost & Found

Lost and found items will be placed at the EAGE Registration Desk located at the foyer of the meeting rooms

Medical Assistance

In case of a medical emergency, please alert EAGE staff immediately.

Useful telephone numbers

Police: 190 or 112 from mobile phones.

Ambulance: 150

SOS Medecins 24/24: 05 22 98 98 98

Photo and Video Regulations

Photography and video/audio recording of any kind are strictly prohibited in the technical sessions.

EAGE strives to bring you the greatest and latest of 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 leading-edge technologies.



TECHNICAL PROGRAMME

Oral Presentations | Monday 5 May 2025

MEETING ROOMS: AGDAL, HARTI	
08:00	Registration & Welcome Coffee Day 1
08:30	HSSE From Hotel (KENZI ROSE)
08:35	Welcome by Co-chairpersons - Karyna Rodriguez (Searcher Seismic) & Mohamed Zine (Ministry of Energy Transition and Sustainable Development)
08:45	Welcome Address by EAGE's BOD President - Prof. Laura Valentina Socco
08:50	Opening Address by ONHYM Director General - Ms. Amina Benkhadra
Session 1: Geology, Geodynamics, Stratigraphy and Tectonics of Atlantic Conjugate Margins	
09:05	Keynote 1: An Integrated Overview of the Lower Cretaceous Geodynamic & Tectonostratigraphic Evolution of the Austral South Atlantic Basin Ken McDermott, Shell
1A Oral Session: Tectonic Evolution I Session Chairs: Mike McConnell (Hunt Oil Company) & Atika Karim (ONHYM)	
09:35	Evolution of rifting and paleobathymetry during the opening of Central Atlantic Ocean - J. Tugend ¹ , G. Mohn ^{1*} , N. Kuszni ² , M. Deptuck ³ , K. Kendall ³ , F.D. Keppie ⁴ , N. MacAdam ⁴ ¹ CY Cergy Paris Université, Sorbonne Université, CNRS-INSU, Institut des Sciences de la Terre de Paris, ISTE, F-95000 Cergy; ² Department of Earth, Ocean and Ecological Sciences, University of Liverpool, Liverpool L693GP; ³ Canada-Nova Scotia Offshore Petroleum Board – CNSOPB; ⁴ Nova Scotia Department of Energy
09:55	Variations in Magma Budget, Extensional Rate, and Style along the Deep-Water Conjugate Moroccan-Scotian Margins - J. Kraus ^{1*} , G. Karner ¹ , A. Benarchid ² , V. Torres ¹ , R. Adamec ¹ , K. Garcia ¹ ¹ Exxonmobil; ² Office of Hydrocarbons and Mines, ONHYM
1A Poster Session: Tectonic Evolution	
10:15	Lightning Session - All Presenters come up on stage & introduce their posters
	Surfing the Waves of Time: Unveiling Scotian Basin Mega-Sequences through a Novel Phanerozoic Sea-Level Curve - D. Dutton [*] , D. Van Der Meer ^{1,2} ¹ CNOOC International; ² Utrecht University
	Positives and Negatives of Exploring on Oceanic Crustal Margins - J. ILIFFE ^{1*} ¹ Shell
	Crustal Stretching, Thinning and Post-Rift Moho Depth Evolution During Mesozoic Rifting in the Moroccan High Atlas - M. ANKACH ^{1*} , R. Kurtz ¹ , O. Raji ¹ , M. Ouabid ¹ ¹ Geology and sustainable Mining Institute, Mohamed VI Polytechnic University, Benguerir."
	Lithology and structural-deformation control fracture-intensity, topology, and geometry in Triassic red-beds, Argana Corridor, High Atlas, Morocco - S. Amarir ^{1*} , R. Krutz ¹ , H. Skikra ¹ , A. Duval-Arnould ¹ , O. Raji ¹ , M. Alaeddine Belfoul ² ¹ Geology and Sustainable Mining Institute, University Mohammed VI Polytechnic, Benguerir; ² Laboratory of Structural Geology and Thematic Mapping, Faculty of Sciences, Ibn Zohr University, Agadir
	Continental Crustal Structure of Northern Morocco from Teleseismic Receiver Functions: Insights into Structural Variations and Compositional Properties. - H. Zakarya ^{1*} , L. EL MOUDNIB ¹ , S. BADRANE ² , M. ZECKRA ³ , S. LHARTI ⁴ ¹ Geophysics and Natural Risks Laboratory, Scientific Institute, Mohammed V University in Rabat; ² National Institute of Geophysics, National Center for Scientific and Technical Research, Rabat; ³ Seismological Station Bensberg, University of Cologne.; ⁴ Faculty of Science, Mohammed V University in Rabat.

	Seismic Imaging of the High Atlas Crust: Unveiling Moho Depth and Elastic Properties Using Receiver Functions - A. Najim ^{1*} , Y. Timoulali ^{1,2} , M. El Hilali ³ , M. Bouiflane ¹ ¹ Scientific Institute Mohammed V University-in Rabat; ² National Institute of Geophysics (ING- CNRST) in Rabat; ³ Department of Geology. Ben M'Sick Faculty of Science. Hassan II University, Casablanca
	Active Faulting and Stress regime in the High Atlas: New Seismological Insights - B. OUJANE ^{1*} , L. El Moudnib ² , M. Zeckra ³ , S. Badrane ⁴ , A. Nouayti ⁵ Mohammed V ¹ University in Rabat; ² University of Cologne; ³ National Center for Scientific and Technical Research, Rabat
	Gravimetric Investigation of Tectonic Structures and Mineralization Zones in the Central High Atlas (Morocco): Bibliometric Approaches - S. ASSOUSI ^{1*} , Y. HAHOU ² , K. MALKI ³ , F. SAADAQUI ⁴ ¹ Geosciences, Water and Environment Laboratory; ² Faculty of Sciences, Rabat; ³ STUDY OFFICE Laboratory EARTH GEOSCIENCES (L.E.G)
10:25	Morning Coffee Break & Poster Presentations Day 1
10:55	Keynote 2: How can we Better Predict Basin Evolution and Prospectivity along (and across) Conjugate Margins? - Douglas Paton, Tectonknow
1A Oral Session: Tectonic Evolution II Session Chairs: Mike McConnell (Hunt Oil Company) & Atika Karim (ONHYM)	
11:25	High Resolution Plate Tectonic Modelling In The Central Atlantic: A Key To Understanding Hydrocarbon Accumulations - J. Teasdale ^{1*} , G. Karner ² , J. Kraus ² , M. Sullivan ² ¹ Geognostics International Limited; ² Exxonmobil
11:45	Influence of syn-rift structure on linked kinematic systems, offshore Essaouira Basin, Morocco - H. Chebli ^{1,3*} , M.R. Hudec ² , A. Benarchid ¹ ¹ Office National des Hydrocarbures et des Mines (ONHYM); ² Bureau of Economic Geology, The University of Texas at Austin; ³ Laboratoire de géosciences, département de géologie, faculté des sciences
12:05	Observational evidence for early Jurassic restricted and isolated shallow water depositional environments of the Central Atlantic - G. Karner ^{1*} , J. Kraus ¹ , R. Adamec ¹ , K. Garcia ¹ , V. Torres ¹ , J. Teasdale ² ¹ ExxonMobil; ² Geognostics International
12:25	Session QA (Oral Session 1A)
12:40	Luncheon Day 1 - Restaurant L'Orangerie
1B Oral Session: Stratigraphy Session Chairs: Norelis Rodriguez (Chevron) & Bryan Gill (Westwood Global Energy Group)	
13:40	Equatorial Atlantic Conjugate Margins: Comparing Early Stratigraphic Architectures and Depositional Histories - K. Reuber ¹ , H. Houllévigie ^{1*} ¹ TGS
14:00	Late Triassic to early Jurassic sedimentological and geochemical evolution of the syn-rift series of Berrechid sub-basin - S. Ajrrough ^{1*} , H. Boutarouine ² , E. El Arabi ³ ¹ Hassan II University, Casablanca
14:20	Salt Tectonics, and Depositional Dynamics of Jurassic Carbonate Platform (Essaouira and Agadir Offshore Basin, Morocco). - B. Cherradi ^{1,2*} , A. Ait Salem ³ , M. Farssi ¹ , A. Benarchid ¹ , N. M'Hammedi ² ¹ ONHYM; ² Mohammed-V University, Rabat, Institut Scientifique GEOPAC Research Center, Geophysics and Natural Hazards Laboratory; ³ Independent

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Oral Presentations | Monday 5 May 2025

14:40	Distribution of the Late Jurassic dykes of the Central High Atlas and tectonic implications - F. Medina ^{1*} , H. Ibouh ² , N. Youbi ^{3,4,5} , M.A. Boumehdi ^{3,5} , A. Marzoli ⁶ , H. Bertrand ⁷ ¹ Moroccan Association of Geosciences; ² L3G, Laboratory of Geoscience, Geo-Environment and Civil Engineering, Faculty of Sciences and Techniques, Cadi Ayyad University (H.I.); ³ Department of Geology, Faculty of Sciences-Semlalia, Cadi Ayyad University, Prince Moulay Abdellah Boulevard; ⁴ Faculty of Geology and Geography, Tomsk State University; ⁵ Instituto Dom Luiz, Faculdade de Ciência Universidade de Lisboa; ⁶ Università degli Studi di Padova, Dipartimento di Territorio e Sistemi Agro-Forestali; ⁷ Laboratoire de Géologie de Lyon, ENS de Lyon, Université Lyon
15:00	Unravelling presalt depositional setting integrating multi-scale well data and seismic features of the Kwanza Basin, Angola - M. Uzcategui ^{1*} , A. Sarkar ¹ , S. Tewari ¹ ¹ SLB
15:20	Session QA (1B Oral Session)
1B Poster Session: Stratigraphy	
15:35	Lightning Session - All Presenters come up on stage & introduce their posters
	Spatio-temporal analysis of shoreline changes along Morocco's Atlantic coast and future forecast modeling using DSAS techniques. - A. Gharnate ^{1*} , O. Taouali ¹ , N. Mhammdi ¹ ¹ Université Mohammed V de Rabat , Institut Scientifique.
	Palynology and depositional palaeoenvironment of the Agadir-Tarfaya area (Morocco) during the Albian - W. Maatouf ^{1*} , T. Hssaida ² , K. Chafai ² , H. Khaffou ² ¹ Department of Petroleum Laboratory, Office National des Hydrocarbures et des Mines; ² Geosciences and Applications Laboratory, Faculty of Sciences Ben M'sik, Hassan II University
	Depositional and Sea-Level Evolution of the Tarfaya-Laayoune-Dakhla Basin, Southwestern Morocco: Insights from XRF Scanner-Derived Elemental Data and Bulk Carbonate Stable Isotopes - E.H. Chellai ¹ , M. Aquit ^{1*} , W. Kuhnt ¹ , A. Holbourn ¹ ¹ FSSM/UCA Marrakech
	Onshore Diapirism in Atlas mountains (Morocco) : Example of Triassic High Atlas - E.H. Chellai ^{1*} ¹ FSSM/UCA Marrakech
	Aeromagnetic and Gravimetric Contributions to Geological Structures and Lineaments, Global and High Atlas (Morocco): Bibliometric Analysis - F. Saadaoui ^{1*} , Y. Hahou ¹ , L. Ousaid ² , S. Assoussi ¹ ¹ Faculty of Sciences, Mohammed V University, Geology, Rabat; ² Faculty of Multidisciplinary, Ibn Zohr University, in Ouarzazate
15:45	Afternoon Coffee Break & Poster Presentations Day 1
16:15	Keynote 3: Accelerating Exploration of the Atlantic Conjugate Margins - Enabled by Technology - Wadii El Karkouri, TGS
16:45	Panel Session 1: Recent Breakthroughs and Future Challenges in Exploration Moderator: Bryan Gill, Westwood Global Energy Group Panel Speakers: • Carl Watkins, Viridien • Peter McDonnell, CNOOC • Duncan Wallace, Chariot Energy Group • Asmae Benarchid, ONHYM
17:45	Day 1 Closing Remarks by Co-Chairs
17:50	End of Day 1

Oral Presentations | Tuesday 6 May 2025

MEETING ROOMS: AGDAL, HARTI	
08:00	Registration & Welcome Coffee Day 2
08:30	Welcome by Co-chairs: Review of Day 1 & Welcome to Day 2
Session 2: Hydrocarbon Resources and Exploration	
2A Oral Session: Hydrocarbon Resources and Exploration Session Chairs: Duncan Wallace (Chariot Energy Group), Gal Hartman (Ratio Energies) & John Argent (Sound Energy)	
08:40	High Impact Exploration on the Atlantic Conjugate Margins - B. Gill ^{1*} ¹ Westwood Global Energy Group
09:00	Modern Seismic Data vs Past Geological Model Driven Exploration in the Atlantic Margin - K. Rodriguez ^{1*} , N. Hodgson ¹ ¹ Searcher
09:20	Hydrocarbon Prospectivity of the Moroccan Atlantic Margin: Insights from the Newly Developed Prospectivity Atlas - A. Karim ^{1*} ¹ ONHYM
09:40	A re-evaluation of petroleum systems of the Tarfaya Basin, offshore Morocco - A. Mangione ^{1*} , J. Redfern ¹ , K. Owusu ¹ , G. Jones ² ¹ The University of Manchester; ² CNOOC International
10:00	Hydrocarbon Prospectivity of the Accretionary Wedge in the Gharb Offshore Basin: A Frontier Play - M.A. MANAR ^{1*} , A. BENARCHID ¹ , A. AIT SALEM ¹ Office National Des Hydrocarbures Et Des Mines (ONHYM)
10:20	Session QA (2A Oral Session I)
10:35	Morning Coffee Break Day 2
11:05	Keynote 4: Advancing Offshore Exploration: Technologies for Derisking Petroleum Projects in Frontier Basins – The Uruguayan Case - Pablo Rodríguez, ANCAP
11:35	Exploring deeper in Uruguay: Could Namibia's successful Cretaceous play be chased in Uruguay's deepwater? - C. Watkins ^{1*} , R. Juncken ¹ , L. Hunt ¹ , Z. Yang ¹ ¹ Viridien
11:55	UNLOCKING THE URUGUAY AND SOUTHERN BRAZIL'S EXPLORATION POTENTIAL - Y. Balabekov ^{1*} , B. Conti ² , P. Gristo ² ¹ TGS; ² ANCAP
12:15	New Frontiers in Brazil's Basins: Innovation Drives Exploration Opportunities - S. Holmes ^{1*} ¹ CNOOC International
12:35	From seismic acquisition to well placement: a Fast Track example in deep water Namibia - C. Demangeot ^{1*} , T. Lassaigne ¹ , E. Crouzy ¹ , L. Gicquel ¹ , M. Spencer ¹ , A. Cunningham ¹ , P. Prat ¹ , C. Fleury ¹ , B. Gatignol ¹ , G. Rimmele ¹ ¹ TotalEnergies
12:55	The Lower Congo Basin: Expanding play fairways and exploring the deeper potential - M. Plummer ¹ , A. Maioli ¹ , L. Sebastião ² , B. Cristina ² , V. Agar [*] ¹ TGS; ² ANPG
13:15	Session QA (2A Oral Session II)
13:30	Luncheon Day 2 - Restaurant L'Orangerie
14:30	Keynote 5: Discovery Thinking in Central Atlantic Basin Petroleum Systems: Back to the Source Rock - Andrew Pepper, This is Petroleum Systems

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Oral Presentations | Tuesday 6 May 2025

2B Oral Session: Source Rock Topics	
Session Chairs: Marjosbet Uzcategui (SLB) & Karyna Rodriguez (Searcher Seismic)	
15:00	Impact of climate and tectonic on the distribution of the source rock in the Atlantic Oceans - A. CHABOUREAU ^{1*} , V. Delhaye-Prat ¹ , C. Nielsen ¹ , F. Sany ¹ , S. Tenepalli ¹ , J. Bourget ¹ , C. Lanteaume ¹ , B. Isabelle ¹ , J. Gaillot ¹ , M. Laugie ¹ ¹ Total Energies
15:20	Elements of characterization of the Kudu shale source rock in the Orange Basin - V. Delgorgue ^{1*} ¹ TotalEnergies
15:40	Where has the Aptian Source Rock Gon(dwana): A Journey from Brazil (Pelotas) to Mozambique (Angoche) - W. Prendergast ^{1*} , R. Teehan ¹ ¹ CNOOC International
16:00	Global anoxic events and local variability in source rock quality: leveraging our experience from Liberiabeibe - R. Norelis ^{1*} , R. Zhao ¹ ¹ Chevron
2A Poster Session: Hydrocarbon Resources and Exploration	
16:20	Lightning Session - All Presenters come up on stage & introduce their posters
	Piecing Together the Puzzle; Understanding Late Miocene Reservoirs of the Rharm Basin from Source to Sink - M. Chin ^{1*} , D. Wallace ¹ , R. Fox ¹ , N. Moore ¹ ¹ Chariot Ltd
	Integrating seep geochemistry and 2D seismic for 3D basin Petroleum Systems Modelling in the MSGBC Basin - D. Gardiner ^{1*} , F. Winter ² , M. Nuzzo ¹ , T. Cunha ¹ ¹ IGI Ltd.; ² TGS
	Hydrocarbon Generation Potential in Pelotas Basin: Insights from Seismic and Source Rock Modeling - M. Cruz ^{1*} , T. Girelli ¹ , H. Oliveira ¹ , M. Rizzi ¹ , H. Serratt ¹ , C. Teixeira ¹ , I. Lehn ¹ , F. Chemale ¹ ¹ Universidade do Vale do Rio dos Sinos
	Re-Zipping the South Atlantic Margin: Observations on generative Systems - Y. Kedzierski ^{1*} , C. Nielsen ¹ , F. Sany ¹ ¹ TotalEnergies
	Hydrocarbon Potential of the Underexplored Cretaceous Plays Offshore Moroccan Southern Atlantic - M. Elad ^{1*} , G. Hartman ¹ ¹ Ratio Petroleum Ltd
	Geological Characterization and Assisted Seismic Interpretation of the Southern Santos Basin - M. Cruz ^{1*} , T. Girelli ¹ , S. Kalil ² , A. Wilson ³ , F. Chemale ¹ ¹ Universidade do Vale do Rio dos Sinos; ² Eliis; ³ Eliis
	Where is Suriname's African Conjugate? - B. Sayers ^{1*} ¹ GeoPartners
	Field Evidence for Extreme Wave Events in Coastal Boulder Deposition at Sidi Moussa Sale Morocco - E. ALAE EDDINE ^{1*} ¹ Institut scientifique rabat
	Using The Volcanic Georesources Of The Moroccan Middle Atlas To Produce A Lightweight Ecological Mortar - B. BALIZI ^{1*} , A. AZIZ ² , A. bellil ³ , A. El Khadiri ⁴ ¹ Mohammed V University in Rabat
16:30	Afternoon Coffee Break & Poster Presentations Day 2

2C Oral Session: Stratigraphic Traps Topics	
Session Chairs: Marjosbet Uzcategui (SLB) & Karyna Rodriguez (Searcher Seismic)	
17:00	Stratigraphic trapping leading to success on both sides of the Atlantic: lessons from Guyana-Suriname and Namibia - J. Bourget ¹ , V. Delhaye-Prat ^{1*} , V. Delgorgue ¹ , J. Pelletier ¹ ¹ TotalEnergies
17:20	De-risking stratigraphic and combination traps with newly re-imaged depth data in the Orange Basin, Namibia - E. Kay ^{1*} ¹ TGS
17:40	Session QA (2C Oral Session)
17:50	Day 2 Closing Remarks by Co-Chairs
17:55	End of Day 2
20:00	Workshop Dinner - Comptoir Darna Marrakech

Oral Presentations | Wednesday 7 May 2025

MEETING ROOMS: AGDAL, HARTI	
08:00	Registration & Welcome Coffee Day 3
08:30	Welcome by Co-chairs: Review of Day 2 & Welcome to Day 3
2D Oral Session: Reservoir Topics	
08:40	Palaeogeographic and provenance implications for conjugate Late Cretaceous Slope Play reservoirs on the Equatorial Atlantic margins - C. Watkins ^{1*} , D. Carruthers ¹ , M. Isakov ¹ , R. Juncken ¹ , E. Leaubon ¹ , M. Bhattacharya ¹ , M. Fry ¹ ¹ Viridien
09:00	Reservoir quality and provenance of the Late Cretaceous channelized turbidites of the Walvis Basin, offshore Namibia - R. Fox ^{1*} , D. Wallace ¹ ¹ Chariot
09:20	SANAM Superbasin: antecedent structural controls on Cretaceous reservoir systems offshore South Africa and Namibia - E. Prescott ^{1*} , M. Clutterbuck ¹ , T. Younis ¹ , A. Hunt ¹ ¹ Impact Oil & Gas
09:40	Seismic and Well Results Shedding Light on Offshore Atlantic Margin Turbidites - K. Guernouche ^{1*} , O. ES-SARRAR ¹ , A. BENARCHID ¹ , A. AIT SALEM ² ¹ ONHYM; ² Consultant
10:00	Late Triassic deposition within Moroccan rift basins: controls on reservoir distribution and quality within the evolving fluvial systems - J. Redfern ^{1*} , J. Lovell-Kennedy ¹ , I. Fabuel-perez ¹ , J. Argent ¹ ¹ University of Manchester
10:20	Session QA (2D Oral Session)
10:35	Morning Coffee Break Day 3



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Oral Presentations | Tuesday 6 May 2025

Session 3: Advancements in Geoscience Technologies	
Oral Session Advancements in Geoscience Technologies I	
Session Chair: Laura Bornatici (NewMed) & Verity Agar (TGS)	
11:05	Imaging of challenging hydrocarbon reservoirs in Brazil with multiparameter full waveform inversion - J. Burren ¹ , E. Frugier ¹ , Ø. Korsmo ¹ , J. Brittan ^{1*} ¹ TGS
11:25	High Resolution Deep Water FWI velocity - A West Africa example - A. Meffre ^{1*} , L. Janot ¹ , G. Gigou ¹ , M. Retailleau ¹ , P. Charron ² , S. Whitehead ² , M. Van de Rijzen ³ , N. Benfield ³ , J. Pi Alperin ³ ¹ Viridien; ² TotalEnergies; ³ Shell
11:45	Enhancing deepwater reservoir identification in the Lagzira Offshore license using novel spatiotemporal visualization technique - A. Elghorori ¹ , G. Elliott ² , L. Tortarolo ^{1*} ¹ Eliis; ² Genel Energy Plc
12:05	Improving pre-salt imaging using heritage seismic data in the offshore Kwanza basin - A. Cooke ^{1*} , M. Kalita ¹ , S. Madden ¹ , M. Matta ¹ , A. Kanrar ¹ ¹ SLB
12:25	Luncheon Day 3 - Restaurant L'Orangerie
13:25	Unlocking Exploration Opportunities Offshore Equatorial Guinea Using Innovative MP-FWI Imaging Technology - L. Fullarton ^{1*} , C. Johnston ¹ , C. Knight ¹ , N. Lee ¹ , J. Clough ² , J. Chaloner ² , J. Simionescu ² , A. King ³ ¹ Africa Oil Corp; ² DUG Technology; ³ AMK Seismic Ltd
13:45	Enhancing Imaging in Low Signal-to-Noise Environments Using Advanced CRS Techniques - S. Torabi ^{1*} , R. Fox ² , G. Höcht ¹ , L. Schweizer ¹ ¹ DMT Petrologic; ² Chariot
14:05	Structural relationships between inherited structures and gravity-driven deformation highlighted by AI-based fault detection (Campos Basin).ral - L. Tortarolo ^{1*} , A. Cosson ¹ , E. Legeay ¹ ¹ Eliis
14:25	High-Resolution and Rapid Estimation of P205 and MgO in Sedimentary Phosphate Cores Using Infrared Hyperspectral Imaging - M. Mazighi ^{1*} , O. Raji ¹ , M. Benzaazoua ¹ ¹ University Mohammed VI Polytechnic, Geology and Sustainable Mining Institute, Benguerir, Morocco
14:45	Revisiting block potential using cutting-edge multi-parameter full waveform inversion (MP-FWI) imaging - O. Shitrit ^{1*} , L. Bornatici ² , M. Ligtendag ³ , A. Pavlov ⁴ , J. Chaloner ⁵ ¹ New Med; ² EPI Ltd; ³ DUG Technology
15:05	Session QA (Oral Session Advancements in Geoscience Technology)
Poster Session: Advancements in Geoscience Technologies & Energy Transition	
15:20	Lightning Session - All Presenters come up on stage & introduce their posters
	Using the full wavefield in shallow water offshore Equatorial Guinea with MP-FWI imaging - A. Pavlov ^{1*} , J. Chaloner ¹ , H. Dodwell ² , M. Pomfret ¹ , J. Shinol ³ , M. Lahr ³ , R. Christensen ³ , S.E.O. Abegue ⁴ ¹ DUG Technology; ² Panoro Energy; ³ Kosmos Energy; ⁴ GEPetrol

15:20	Machine Learning System for Multimodal Seismic Search - P. Mishra ^{1*} , S. Benslimane ¹ , A. Aseev ¹ ¹ SLB
	Automatic detection and depth estimation of subsurface voids using Ground Penetrating Radar and Convolutional Neural Network - A. Mojahid ^{1*} , D. El-Ouai ¹ , K. El Amraoui ² , K. El-Hami ¹ , H. Ait Benamer ³ , J. Verrelst ⁴ , P.M. Barone ⁵ ¹ Université Mohammed V de Rabat; ² Institut Scientifique; ³ Mesure Expert; ⁴ University of Valencia; ⁵ American University of Rome
	Electromagnetic survey to constrain ore mining exploration in the Saghro inlier, Morocco: application of electromagnetic method. - Z. Aafir ^{1*} , Y. Hahou ¹ , S. Aafir ² ¹ Mohammed V; ² Abdelmalek Es-Saadi
	Cation-exchange capacity – a fast approach to quantify alteration within hydrothermal systems - T. Weisenberger ^{1*} ¹ Geology and Sustainable Mining Institute, Mohammed VI Polytechnic University, Benguerir
	Integrated Assessment of Geothermal Potential along the Atlantic Margin: Insights from Southern Morocco - M. BOUMEHDI ^{1*} , N. BERKAT ² , M. MAGOUA ³ , J. CARNEIRO ⁴ , A. CORREIA ⁵ , O. SADKI ⁶ , M. CHAIB ⁷ , Y. HAHOU ⁸ ¹ National Office of Hydrocarbons and Mines; ² Mohamed V University; ³ Instituto de Ciencias da Terra Universidade de Evora
	Time-Lapse Seismic Acquisition: A Critique of Successes, Challenges and Prospects for Traditional and 'New' Energies - B. Bassey ^{1*} , A. Albaroni ² , B. Okon ⁴ , T. Ajare ³ ¹ Cranfield University; ² Harouge Oil Operations; ³ UK Research and Innovation; ⁴ CypherCrescent Limited
	A Case Study of Quantitative Integration of Geophysical and Geotechnical Data for Site Characterization - D. Rovetta ^{1*} , F. Balestrini ¹ , A. Boleve ¹ , M. Fliedner ¹ , F. Janod ¹ , S. Sol ¹ , R. Eddies ¹ ¹ Fugro Innovation & Technology B.V.
15:30	Afternoon Coffee Break & Poster Presentations Day 3
Session 4: Energy Transition in the Atlantic Region	
Oral Session Energy Transition	
16:00	The Atlantic Margin: a review of a nascent natural hydrogen industry - A. Driscoll ^{1*} ¹ NVentures
16:20	First Results of a Natural Hydrogen Exploration Evaluation of Morocco - D. Tierney ^{1*} , M. Harland ¹ , L. Wilson ¹ , A. Redmile ¹ , W.A. Heins ¹ , N. Wrobel ¹ , J. Argent ² , M. Brouwers ¹ ¹ GETECH Group plc; ² Sound Energy Plc
16:40	A holistic approach for carbon site screening and ranking - S. Kisra ¹ , V. Di Gennaro ¹ , C. Halloway ¹ , A. Hermes ¹ ¹ SLB
17:00	The Lower Cambrian Carbonate-Hosted Copper Deposit at Jbel N'Zourk, Central Anti-Atlas: Geological, Mineralogical, and Isotopic Characterization - I. Bouskri ^{1,2*} , S. Ilmen ³ , M. Souhassou ¹ , M. Ikenne ⁴ , B.A. Zoheir ⁶ , Z. Hajjar ⁶ , L. Maacha ² , B. Benzougagh ⁷ , S.K. Kader ^{8,9} , M. Jabbour ⁴ , A. Kharis ³ ¹ Ibn Zohr University, Agadir; ² Managem Group; ³ Mohammed V University in Rabat; ⁴ King Fahd, University of Petroleum and Minerals (KFUPM); ⁵ Griffith University
17:20	Session QA (Oral Session Energy Transition)
17:35	Closing Remarks by Co-chairs
17:50	End of Symposium

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21-23
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RIYADH, SAUDI ARABIA

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10-12
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