

EAGE

EUROPEAN
ASSOCIATION OF
GEOLOGISTS &
ENGINEERS

Fifth EAGE Eastern Africa Petroleum Geoscience Forum

EAST AFRICA - PAVING THE WAY TO FUTURE ENERGY SUPPLY

30 MARCH - 1 APRIL 2021 • ONLINE

- **Final Announcement & Technical Programme**

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FORUM OVERVIEW

World class offshore gas resources in Tanzania’s Coastal Basin and Mozambique’s Rovuma Basin, and the more recent gas-condensate discovery in the Brulpadda well in South Africa are paving the way for future energy supplies in the region. Additionally, the wealth of potential resources onshore, such as geothermal, coal bed methane and shale gas provide an opportunity for Southern and Eastern Africa to develop a diverse supply in meeting the energy needs of the region and elsewhere in the world where it is

exported. However, along the extensive coastlines of the region, there remains significant areas of frontier and under-explored acreage, and much of the onshore potential has yet to demonstrate commercial viability. In the offshore, much of the remaining potential lies in areas with subtle stratigraphic traps, and challenging environmental conditions. Onshore, balancing the competing needs and overcoming the above ground challenges are all required to support efficient and responsible extraction.

Mining operations in the region have been long established, terms and regulatory frameworks are now evolving to accommodate the unique differences between the mining and emerging hydrocarbon industries in the exploration and development of the regions resources. Technology, local capability and capacity enhancement driven by collaboration between governments, academia, and the mineral and energy industry will be required to encourage investment, move discovered resource into production, and unlock remaining potential to meet the energy challenges of the future.

FORUM OBJECTIVES

To discuss and progress these issues and building on the successful meetings in Maputo (2017) and Nairobi (2018), EAGE announces the Fifth Eastern African Petroleum Geoscience Forum, to be held on 30 March–1 April 2021. The theme of the Forum is ‘Paving the Way to Future Energy Supply’. The forum’s objective is to provide a platform for geoscientists and engineers to share knowledge and liaise across a broad range of topics, ranging from new play concepts, play de-risking and development in the hydrocarbon industries, to applied geosciences in the geohazards, mining and water industries.



TECHNICAL PROGRAMME

ALL TIMINGS IN CEST

Oral Presentations | Tuesday 30 March

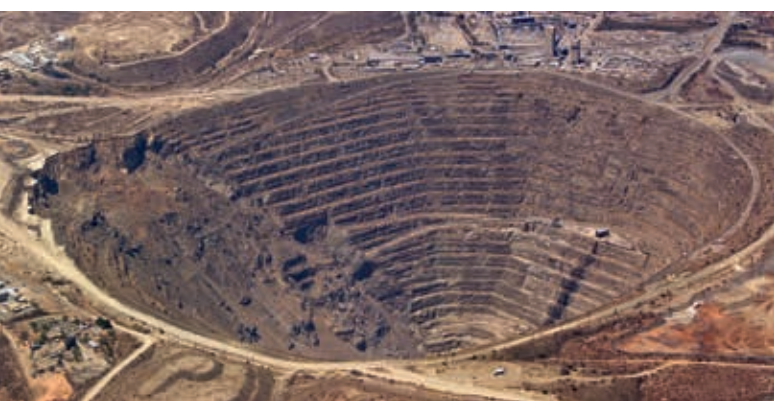
12:00	Welcome & Aims
12:15	EA001 - E&P Overview of East Africa - A. Piccoli* ¹ IHS Markt
Interactive Session	
12:40	Interactive Session: Quiz
Session 1: Petroleum Play, Synthesis & Derisking Session Chairs: Maria Zweigert, Total & Malcolm Francis, Independent Consultant	
13:00	EA03 - Analysis of the Regional Sediment Distribution along the East Coast, South Africa during Gondwana Break up and its Hydrocarbon Potential - S. Davids ^{1*} ¹ Petroleum Agency SA
13:25	EA04 - Seismic Reveals Potential New Deep Source Rocks off the Western and Eastern Margins of South Africa - A. Fiellies ^{1*} , J. Salomo ¹ , C. Van Bloemenstein ¹ ¹ Petroleum Agency SA
13:50	EA06 - Hunt for Oil in Offshore Angoche, Mozambique - D. Rathee ^{1*} ¹ Schlumberger
14:15	EA07 - Where next offshore East Africa? Mega-regional seismic dataset highlights new play potential - N. Hurst ^{1*} , P. Bellingham ¹ ¹ ION E&P Advisors
14:40	Discussion Session: Petroleum Play, Synthesis & Derisking
15:00	Break
Student Poster Session Session Chair: Karyna Rodriguez, Searcher Seismic	
15:10	SP03 - Integrated Studies Intrigue to Mineral Prospectivity. Applicability to Kikombo, Dodoma, Tanzania. - G. Mwendenusu ^{1*} ¹ University Of Dar Es Salaam
15:20	SP05 - Determination of Reservoir Properties of the Semliki Basin Using Rock Physics Templates - J. Nakajigo ^{1*} , J.M. Kiberu ¹ ¹ Makerere University
Session 2: New Play Concepts and Play De-risking Session Chairs: Arjan van Vliet, Shell and Pedro de Abreu, Equinor	
15:35	KN02 - The Brulpadda Discovery and Accelerated Follow-up de-risking in a Complex Environment - W. Gordon Canning ^{1*} , C. Scheffer ¹ , M. Zweigert ¹ , E. Bof ¹ , M. Rousseau ¹ , A. Bourgeois ¹ , A. Perchoux ¹ , G. Sterbecq ¹ , G. Loir ¹ , J.M. Bugeat ¹ ¹ Total
16:00	EA08 - Reconstruction of Sediment Routing into the South African Cape Basin for Reservoir Quality Predictions - K.A. Van Toorenburg ^{1*} , M.W. Blakeley ² , C. Carvajal ² , J.F. Bijkerk ¹ ¹ Shell International Exploration and Production B.V.; ² Occidental Oil and Gas Corporation
16:25	EA10 - Reviving the Cretaceous Deep Water Clastics Plays of Southern Namibia - J. Bijkerk ^{1*} , S. Dekker ¹ , M. Poupon ¹ , J. Reijs ¹ , K. Van Toorenburg ¹ , P. Lambregts ¹ ¹ Shell International Exploration and Production
16:50	Discussion Session: New Play Concepts and Play De-risking
17:15	Breakout Room: South Africa & Namibia Basin
17:15	Breakout Room: East Africa On and Offshore Basin
17:45	End of Day

Oral Presentations | Wednesday 31 March

Session 3: Above Ground Risk Operating in East Africa Session Chairs: Ayan Omar, National Oil Corporation of Kenya and Giacomo Firpo, RAK Gas	
12:00	EA11 - Local Content Legislative Framework in Kenya - L. Obwogo ^{1*} , L. Koiyo ¹ , J. Waringa ¹ , A. Omar ¹ ¹ National Oil Corporation of Kenya
12:25	EA13 - Oil & Gas Exploration in Brazil using the Magnetotelluric Method: An Example for East Africa - P. De Lugao ^{1*} , B. Kriegshaeuser ¹ ¹ Stratimage Consultoria Ltda
12:50	Discussion Session: Above Ground Risk Operating in East Africa
Poster Session Session Chair: Karyna Rodriguez, Searcher Seismic	
13:00	P01 - Applied Geoscience Project - V. Ojo ^{1*} ¹ Ranvico Gemstone Limited
13:10	P02 - Hydrocarbon Seep Hunting: Soil Gas Geochemical Sampling Application in the Karoo Basin, South Africa - Z. Mowzer ^{1*} , C. Motsoaledi ² ¹ Petroleum Agency SA; ² Petroleum Agency SA
13:20	Break
Session 4: Applied Geoscience Projects Session Chairs: Friso Veenstra, TNO and Giacomo Firpo, RAK Gas	
13:30	EA14 - Regional Aquifer Characterization in the Buliisa Area – Uganda. - C. LOISEAU ^{1*} , L. CANTEGREL ¹ , L. CARCIONE ¹ , E. GAUCHER ² ¹ TOTAL EP Uganda; ² TOTAL, R&D
13:55	EA15 - Prospects of Industrial Hydrocarbons Accumulations Detecting on Onshore and on Offshore of South Africa in the Region of Cape Town - M. Yakymchuk ^{1*} , I. Korchagin ² ¹ Institute of Applied Problems of Ecology, Geophysics and Geochemistry; ² Institute of Geophysics, NAS of Ukraine
14:20	EA16 - Identification of Bypassed Oil in Carbonate Buildup Reservoir at Mature Field with Integration of Saturation Log and Cement Bond Quality - I.K. Barus ^{1*} , H. Sipahutar ¹ , A. Sukmatiwani ¹ , A. Amperianto ¹ , G. Sucahyo ² ¹ PT. Pertamina EP Asset 4; ² Baker Hughes
14:45	EA17 - 3D seismic evidence for the Beira High as a continental fragment - Habgood, E. ¹ on behalf of Sutton, S. ² ¹ ExxonMobil International Limited, UK ² ExxonMobil retiree
15:10	Discussion Session: Applied Geoscience Projects
15:30	Break
15:40	EA18 - Exploiting the Geothermal Potential of East Africa for Energy Diversification and Sustainability - K. Ndyamuhaki ^{1*} , O. Ssembataya ¹ , J. Balinga ¹ ¹ Makerere University; ² Petroleum Authority Uganda, Graduate Internship
16:05	Panel Discussion: Future of Sustainability
16:30	Breakout Room: Geoscience for Society
16:30	Breakout Room: Industry and Academia Collaboration
17:00	End of Day

Oral Presentations | Thursday 1 April

Session 5: Applications of New Technology	
Session Chairs: Friso Veenstra, TNO and Vittorio Maselli, Dalhousie University	
12:00	EA20 - Stratigraphic Forward Modelling in Albert Lake as a Tool for an Integrated Understanding of Basin Sedimentary Infilling - G. San Miguel ^{1*} , N. Vilasi-Marmier ¹ , M. Bez ¹ , S. Veillard ¹ , N. Buratti ¹ , M. Rousseau ¹ , A. Ahmed ¹ , M. Stankoff ¹ , J.L. Rubino ¹ [§] Total SA
12:25	EA23 - 2D Coda Attenuation Analysis in Sub-Basaltic Regions from Active Sources - K. Asena ^{1*} [§] National Oil Corporation Kenya
12:50	EA24 - Reservoir Delineation and Characterization in the Northern Orange Basin, using Genetic Inversion and Seismic Attributes - R. Africa ^{1*} [§] The University of the Western Cape; ² Petroleum Agency SA
13:15	EA26 - Adoption of a Standardized Checklist for Quality Checking Geomodelling Workflows for a Green Field in the Albertine Graben, Uganda - J. Ecau ^{1*} , A. Nyombi ¹ , A. Aya O'Biale ¹ [§] Petroleum Authority of Uganda
13:40	Discussion Session: Applications of New Technology
14:00	Break
Session 6: Unconventional Potential	
Session Chairs: Alessandro Piccoli, IHS Markit and Maria Zweigert, Total	
14:15	EA27 - Shale Gas Resource Assessment of the Organic-rich Eccra Group Shale of the Karoo Basin: Prospective Area Delineation and Resource Estimation - S. Adams ^{1*} [§] Petroleum Agency SA
14:40	EA28 - Evaluation of the Coalbed Methane Prospectivity of the Ermelo Coalfield (Amersfoort Project Area), Main Karoo Basin, South Africa - X. Schalkwyk ^{1*} , T. Thovhogi ² [§] Petroleum Agency SA; ² Petroleum Agency SA
15:05	Discussion & Closing Session
15:30	End of Day



IMPORTANT DATES

Registration Opens	25 November 2020
Registration Close	29 March 2021
Forum	30 March – 1 April 2021

GLOBAL REGISTRATION FEES

REGISTERED AND PAID	FROM: 25 NOVEMBER 2020 UNTIL: 29 MARCH 2021
EAGE Member	€ 200
Non Member (Includes EAGE Membership)	€ 300
EAGE Student Member	€ 125
Non Student Member (Includes EAGE Membership)	€ 150

LOCAL REGISTRATION RATES

REGISTERED AND PAID	FROM: 25 NOVEMBER 2020 UNTIL: 29 MARCH 2021
EAGE Member	€ 100
Non Member (Does Not Include EAGE Membership)	€ 125
EAGE Student Member	€ 25
Non Student Member (Includes EAGE Membership)	€ 50

*Local Rates are applicable if you are based in the Africa region.

*Memberships are provided for Non-Member registrations and the activation will only take place after the event, between 2-3 weeks.

All fees are in Euros (€). One Euro of your total registration fee is donated to the EAGE Green Fund. Please note that all fees are subject to 5% VAT as per UAE regulations.

Please note: The deadlines are following the Local Time in the United Arab Emirates.

Members please note: To qualify for the member registration fee, your EAGE membership dues for 2020 must have been paid and confirmed. The processing time for membership applications or renewals is 10 working days.

- To qualify for the reduced student registration fee:
 - Students must be enrolled in a full time study programme at a recognized university or institute
 - The registration must be accompanied by a copy of a student ID card and/or official proof of enrolment.

- Please note: Student non-members cannot be older than 34 years of age (when registering).

- Please note that EAGE reserves the right to cancel the workshop due to low participation. In this case, payment will be refunded in full.

EAGE registration fees differentiate between EAGE membership recognition levels and non-members. First year members have Green membership status which gives you a € 50 discount (€ 25 for students) on the Non-member fee for each EAGE event registration; starting from Bronze status, you can benefit from an even greater reduced EAGE member registration fee. Click here for more information about the recognition programme.

SPONSORSHIP OPPORTUNITIES

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