EAGE Sub-Saharan Africa Energy Forum

EXPLORING AND ACCESSING AFRICA’S ENERGY POTENTIAL: CHALLENGES, OPPORTUNITIES, AND THE ROAD AHEAD

4-6 MARCH 2024 • WINDHOEK, NAMIBIA

Final Announcement
TECHNICAL COMMITTEE

Remi Julien (Co-Chair) Total Energies
Joe Martin (Co-Chair) SHELL
Karyna Rodriguez Searcher Seismic
Alessandro Piccoli IHS Markit
Alessio Checoni PXGEO
Ayan Omar National Oil Corporation of Kenya
Bruce Webb ENI
Charles Thomas Searcher Seismic
Dag Helland Hansen EMGS
Frizo Veenstra TNO
Giacomo Firpo RAK Gas
Malcolm Francis Independent Consultant
Mathieu Jeannot Total Energies
Mohamed Zine ONHYM
Sarah Shirt Tullow Oil
Stanley Wharton Subsurface Imaging
Steve Pitman PGs
Sugandha Tewari SLB
Verity Agar TGS
Vittorio Maselli Dalhousie University
Liz Ross CNOOC
Luke Davey BGP

WORKSHOP OVERVIEW
We are pleased to invite you to join us at the EAGE Sub-Saharan Africa Energy Forum, this is a combined event of our previous successful workshop series titled "EAGE Eastern Africa Petroleum Geoscience Forum & Western Africa Exploration & Production Workshop". This forum intends to address the key role that geoscience activities have in the Sub-Saharan African energy sector. Our event is designed to gather professionals from a diverse set of backgrounds including: Energy and service companies, academia, and regulators to foster fruitful discussions.

As Oil and Gas projects have historically been the main contributor of this forum, we will continue to offer a wide range of topics on African Petroleum systems including a diverse range of topics from the industry as well as academic research. Topics can include recent accomplishments of key wells, large integrative studies, or application of new technologies and future projects keeping in mind the energy transition. In addition, this forum welcomes the discussion of above ground challenges to the untapped Petroleum and Clean Energy resources of the Sub-Saharan.

We look forward to your presence in Namibia and active participation in this exciting event!

TOPICS

- Petroleum systems, play evaluation and de-risking
- Key wells and projects in Africa
- Role and future of frontier exploration
- Digitalization, New Technology and Data Standards
- Geoscience role in Energy Transition and Environment
- Above Ground

Sunday, 3 March 2024

DURSTERNBROOK GAME DRIVE

14:30 Icebreaker Reception - Dursternbrook Game Drive, Dursternbrook Guest Farm 4

TECHNICAL PROGRAMME

Oral Presentations | Monday 4 March 2024

ANGELO/ANGELA MEETING ROOM

08:00 Registration & Welcome Coffee
08:30 HSSE From Hotel
08:35 Welcome by Co-Chairs Remi Julien (Total Energies) & Joe Martin (Shell)
08:45 Opening Address by Mrs. Victoria Sibeya, Executive: Exploration, NAMCOR

SESSION 1 - Revival of Orange Basin and Beyond (Namibia / South Africa)
Session Chairs: Mathieu Jeannot & Karyna Rodriguez

09:10 Keynote 1 - Deep offshore exploration in the Orange Basin: What is next? - Benjamin Gatignol (Total Energies)
09:40 A voyage to Venus - from Tupi to Liza and beyond - J. Collardi* - Westwood Global Energy Group
10:00 Can we disregard the regional context now Graff/Venus discoveries have de-risked magmatic margins? In short, no! - D. Paton**, P. Markwick**, J. Salomo**, E. Mortimer*, M. Parker-Nance**, P. Gristo**, J. Marmisolle**, R. Reall**, Tectonknow; KnowingEarth; Petroleum Agency South Africa; University of Cape Town; ANCAP
10:40 Morning Coffee Break
11:10 Keynote 2 - Deepwater frontier exploration in Namibia, the journey from country entry to appraisal - Adeleye Falade (Shell)
11:40 Assessing Cretaceous sediment influx routes and provenance, offshore Namibia - E. Kay***, F. Winter* TGS
12:00 The Next Oil Frontier: Namibia’s Promising Hydrocarbon Plays - D. Rathee**, S. Tewari Schlumberger
12:20 Session Q&A
12:40 Lunch Break - Ekipa Restaurant at the Hilton Windhoek
13:40 Repeating Namibia’s deepwater exploration success in northern basins - T. Hansen**, V. Sibeya** PGS, NAMCOR
14:00 Venus rising in the Outeniqua Basin, South Africa - A. Davids**, R. Tshikovhi** Petroleum Agency SA
14:20 From a single Deepwater frontier exploration well in Namibia to a full back - R. Moey**, E. De Jonge*, B. Van Assema*, L. Kramers*
14:40 Session Q&A
14:50 Keynote 3 - Keynote on Kudu Field - Guido Paparoni (BW Energy)

Panel Discussion on Orange Basin (Namibia & South Africa)
Topic: Frontier Exploration and Beyond
15:20 Introduction To Panelists & Discussion
15:55 Audience Q&A

Poster Session

16:05 Lightning Session - Presenters introducing their posters
16:15 Afternoon Coffee Break
16:45 Characterization of the reservoir potential of selected Wells in the Walvis Basin, Offshore Namibia - J. Ndangi ‘iyambo***, C. Uahengo**, M. Opuwari, A. Narubes, P. Sindimba* UNAM, University of Namibia

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16:50 Reservoir Characterisation and Depositional Environments of the Owambo Formation, Mulden Group, Owambo Basin, Namibia – J. N. Hamalwa*, C. Uahengo*, A. Vatuva*, A. Nanubes*, P. Sindimba* 
*UNAM, University of Namibia

16:55 Striking a balance between hydrocarbons and green energy in the face of the energy crisis - C. Uahengo*, M. Harris1, E. Nepembe1, A. Vatuva1, G. Chongwain1 
*UNAM, University of Namibia

17:00 The Cullinan Journey: From a regional high to drillable target - K. Domingos*, R. Moeys* 
*Pioneer Oil and Gas Consulting

17:05 Prospective of Namibian onshore and offshore basins - A. Wanke 
*Upstream Exploration Services Namibia

17:10 The Hydrocarbon Potential of Northern Lüderitz Basin, offshore Namibia - R. Toirac*, Y. Perez 
*Pioneer Oil and Gas Consulting

17:15 Closing Remarks by Chair

17:25 End of Day 1

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Oral Presentations | Tuesday 5 March 2024

**ANGEO/ANGELA MEETING ROOM**

08:00 Registration & Welcome Coffee

08:30 Welcome by Co-Chairs: Review of Day 1 & Welcome to Day 2

08:40 Keynote 4 - Near Field, ILX Exploration, example of OML 102, shallow water Nigeria - Lise Sallès (Total Energies)

**SESSION 2 - Exploration in mature and frontier West African basins**

Session Chairs: Dag Helland-Hansen & Mathieu Jeannot

09:10 Seismic Expression of Southern Atlantic Petroleum Systems - K. Rodriguez*, N. Hodgson 
*Searcher

09:30 Predicting Viscosity in an undrilled panel of a deep-offshore West African basin field - Y. Kodzierski*, T. Rives, H. Zhou 
*TotalEnergies

09:50 Structural framework and tectonic evolution of the offshore Namibe Basin, Angola - E. Nepembe*, S. Schröder1, M. Huuse1, A. Wanke/NAMCOR

10:10 Contouries and Mixed depositional systems along the South African margin - A. Fielies*, R. Africa 
*Petroleum Agency SA

10:30 Session Q&A

10:50 Morning Coffee Break

11:20 Imaging new exploration plays in the shale diapir zone of the deepwater Niger Delta - E. Kay*, F. Winter 
*TGS

11:40 Regional insights of exploration in Kwanza basin, Angola: using a regional post-stack 3D dataset merge - M. Uzcatelu**, S. Tewari1, B. Rathee1 
*SLB

12:00 Revealing the Structural Influence on Reservoir Channel Deposition in the deepwater Niger Delta - A. Burrell** 
*PSS

12:20 Evolution of a mixed clastic system in a transform followed by passive margin setting offshore Benin - F. Winter, P. Rovira** 
*TGS

12:40 Session Q&A

13:00 Lunch Break - Ekips Restaurant at the Hilton Windhoek

**SESSION 3 - Digitalization, New Technology and Modelling**

Session Chairs: Steve Pitman & Charles Thomas

14:00 Modern CSEM and impact on African exploration-from Girassol to fieldwide estimates of saturation - D. Helland-Hansen*, E. Nerland1 
*EMGS ASA

14:20 Expediting salt body interpretation for exploration studies using machine learning: A Kwanza basin, Angola case study - D. F. Fernandez*, M. Uzcatelu Salazar*, R. King1, G. Mazzell-Jones1, S. Tewari1 
*SLB

14:40 Latest deterministic 4D workflows applied to West Africa monitoring examples - H. Prigent**, A. Grandi1 
*CGG; TotalEnergies

15:00 Afternoon Coffee Break

15:30 RGT-enabled characterization of rifted-related or salt-controlled turbidite fairways: from analogs to West African margin perspectives - N. Daynac** 
*Elis

15:50 Session Q & A

**Panel Discussion on West Africa**

Topic: Near Field Exploration & Production

16:10 Introduction to Panelists & Discussion

16:45 Audience Q&A

16:55 Closing Remarks by Chair

17:05 End of Day 2

19:30 Gala Dinner - Venue: Roof of Africa

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**Oral Presentations | Wednesday 6 March 2024**

**ANGEO/ANGELA MEETING ROOM**

08:00 Registration & Welcome Coffee

08:30 Welcome by Co-Chair: Review of Day 2 & Welcome to Day 3

08:40 Keynote 5 - Keynote on East Africa - Peter Elliott (INVENTURES)

09:10 Understanding complex near surface geology of Tilenga field with a shallow hazard seismic cube - J. Mischler**, M. Retailleau1, A. Alonso Monteiro1, P. Plasterie1, M. Gue2, O. Guillou1 
*CGG; TotalEnergies EP

09:30 Mixed Turbidite Contourite Systems of the Save Basin Offshore Mozambique - K. Rodríguez*, N. Hodgson1 
*Searcher

09:50 A tertiary play in southern Rovuma basin in Mozambique identified on seismic and CSEM - D. Helland-Hansen**, E. Nerland1, M. Zibane1, E. Matiav1 
*EMGS ASA; INP

10:10 Session Q&A

10:30 Morning Coffee Break

11:00 The Untapped Potential of the Barremian Basin Floor Play System in the Pletmos Basin - R. Ishkov1**, A. Davids1 
*Petroleum Agency South Africa

11:20 Pilotocene graben development led the reorganization of the deep-water sediment routing systems offshore Tanzania - M. Dottore Stagna2, V. Maselli1, D. Reynolds1, D. Iacopini1, D. Grujic1, S. Tewari1, A. Van Vliet1 
*Dalhousie University; University of Naples “Federico II”; Schlumberger; Royal Dutch Shell

11:40 Case studies of six challenging development projects in East Africa - A. Piccoli** 
*IHS Global

12:00 High Impact Exploration Globally and in Africa - B. Gill* 
*Westwood Global Energy Group

12:20 Session Q&A

12:40 Lunch Break - Ekips Restaurant at the Hilton Windhoek

**Breakout Session**

13:40 Introduction to Breakout Session Session Chairs: Remi Julien (Total Energies) & Joe Martin (Shell)

13:50 Afternoon Coffee Break

14:20 Group Discussion Session

14:50 Review of Findings / Q&A

15:10 Final Closing Remarks by Co-Chairs

15:30 Close of Workshop
REGISTRATION FEE
(All registration rates are in USD)

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<th>Registered and Paid</th>
<th>Onsite Registration Fees</th>
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<td>EAGE Green Member(^{1,5})</td>
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Members please note: To qualify for the member registration fee, your EAGE membership dues for 2023 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

The Non-member fee includes EAGE membership for the remainder of 2024 (31/12/2024). This membership will be activated shortly after the event. Members please note: To qualify for the member registration fee, your EAGE membership dues for 2023 must have been paid and confirmed. The processing time for membership applications or renewals is 10 working days. The non-member fee is USD 50 discount (USD 25 for students) on the Non-member fee for each EAGE event registration.

Please note: The deadlines are following the Local Time in the Netherlands. EAGE reserves the right to cancel the short course(s), conference(s), workshop(s) or field trip(s) due to low participation. In this case, payment will be refunded in full.

Payment Methods
All payments must be made in US Dollars
* By credit card (VISA, Master card, AMEX) through our secure web server
* By bank transfer. Made out to: Emirates NBD Bank, The Greens branch, P.O. Box 777, Dubai, UAEIBAN: AE420260001025427498303 Swift Code: EBILAEAD

Please indicate your name and/or invoice number clearly on bank transfers. Due to postal or bank delays, registration by post and/or bank transfer will not be accepted after 12 February 2024. Please allow at least two weeks for processing.

SOCIAL PROGRAMME
Icebreaker Reception
Sunday 3 March, 14:30hrs - 19:30hrs
Venue: Dursternbrook Game Drive, Dursternbrook Guest Farm

Gala Dinner
Tuesday 5 March, 19:30hrs - 22:00hrs
Venue: Roof of Africa, 124, 126 Nelson Mandela Ave, Windhoek, Namibia

Get a 50% discount on registration fees exclusively for African residents!