

EAGE

EUROPEAN
ASSOCIATION OF
GEOSCIENTISTS &
ENGINEERS



Sixth EAGE Eastern Africa Petroleum Geoscience Forum

THE FUTURE OF PETROLEUM GEOSCIENCE IN THE EASTERN AFRICAN ENERGY MIX

10-12 OCTOBER 2022 • CAPE TOWN, SOUTH AFRICA

- **First Announcement and Call For Abstracts**

WWW.EAGE.ORG

TECHNICAL COMMITTEE

This event is organized with the essential support of the technical committee members. The Technical Committee is composed of industry specialists within the event topic's area.

Malcolm Francis (Co-Chair)	Independent Consultant
Karyna Rodriguez (Co-Chair)	Searcher Seismic
Remi Julien (Co-Chair)	TotalEnergies
Alessandro Piccoli	IHS Markit
Friso Veenstra	TNO
Arjan van Vliet	Shell
Vittorio Maselli	Dalhousie University
Ayan Omar	National Oil Corporation of Kenya
Giacomo Firpo	RAK Gas
Peter Dekker	PetroSA
Dag Helland Hansen	EMGS
Charles Thomas	Striped Horse
Tony Younis	Impact Oil and Gas
Cecile Robin	Rennes University
Alessio Checconi	TGS

EVENT OVERVIEW

Sixth EAGE Eastern Africa Petroleum Geoscience Forum
The future of petroleum geoscience in the Eastern African energy mix.

World-class offshore and onshore energy resources await discovery and development across Africa. With the recent pandemic and climate change, now is the time to pool our experience and look forward to planning strategic change.

“Overall, Sub-Saharan Africa accounts for 75 percent of the world’s population without access to electricity - some 57 million people - still lack access to electricity. Living without electricity means they also live without refrigeration and access to clean cooking fuels. As a result, each year, more than half a million people die due to complications related the burning of charcoal and other materials for cooking. This is more than the number of deaths from HIV, malaria and Tuberculosis combined.” “Africa today stands on the cusp of enormous opportunity. Some 40% of the gas discoveries made in the past decade have been in the Continent. It is now clear Africa is home to some of the world’s largest untapped reserves of hydrocarbons. Governments can finally hope to provide universal access to electricity and lift millions of people out of poverty.” “ We need to plan integrated projects that develop the local economy while also generating export revenues”. White Paper compiled by Frontierenergy.network 2021.

The world needs energy. As Geoscientists, we are ready to play our part in the Eastern African energy mix. We urgently need to plan future development considering the new challenge to reduce carbon dioxide and methane release to the atmosphere. As an industry, we are familiar with tackling environmental and logistical challenges. HSE implementation in challenging circumstances has had to adapt as hydrocarbon exploration moved offshore and into deeper and deeper waters.

As Geoscientists, we study earth cycles through geologic time scales. Africa has the right to a just transition, ideally, we need to accelerate our understanding to address new challenges and find ways to complete the Carbon-cycle, to create sustainable environmentally responsible loops.

We plan a sixth “hybrid” technical forum to discuss ways to ensure continuation with certainty. We will refer to lessons learnt from the virtual “fifth” forum and the recent EAGE hybrid annual conference, whilst considering recent events affecting the future of petroleum geoscience in the Eastern Africa energy mix. We will be promoting and enabling both local and global participation. ‘We need to plan integrated projects that develop the local economy while also generating export revenues.’”

There will be opportunities for sponsorship of IT hubs in regional centres, for example, government facilities and University campus locations.

We will invite keynote speakers to raise awareness of the issues and proposed solutions. We plan to have dedicated sessions providing a good forum to openly share thoughts on the most relevant topics. We are particularly keen to ask the student, local chapters, and special interest communities to nominate members to a joint steering team to ensure a fully inclusive event.

This East African forum will share planning with EAGE West Africa to bring together a week of online and in-person events.

The forum has a Geoscience technical focus set within a bigger picture. Universities should view this as an opportunity to understand the research challenges and find opportunities for industry engagement. National and international energy companies will have the chance to see the geoscience challenges and the opportunity to inform future strategies. There are unique sponsorship opportunities to help make the forum a success. Be ready to reflect on the forum with pride and say I was there.



CALL FOR ABSTRACTS

The Technical Committee invite practitioners, innovators, and industry experts to contribute to this forum and submit an abstract of 2-4 pages. Submissions for posters & oral presentations are welcome on all topics. Students and Academia professionals are invited to submit abstracts. The deadline for abstract submission is 17 June 2022.

ABSTRACT SUBMISSION THEMES

1. Subsurface

- **Petroleum systems, play evaluation and de-risking**
 - Geodynamics and plate tectonics
 - Paleoclimate and paleoceanography
 - Sediment source to sink
 - Source Rocks
 - Plays in different geographical areas
 - Role of evaporites
 - Conventional & unconventional reservoirs
- **Key wells in Africa**
 - Key discoveries
 - Pre-drill forecast
 - Post-drill lessons learned
 - Scientific drilling
- **Role and future of frontier exploration**
 - Seismic acquisition challenges and solutions
 - Drilling deeper, challenges and solutions
 - Ultra-deep water exploration targets
 - urbidites and deep-water petroleum systems
 - Key risks parameters
- **Digitalization and New Technology**
 - Role and advances in East Africa
- **Applied Geoscience**
 - Mineral Exploration (As a tool for petroleum exploration)
 - Geothermal energy

2. Above Ground

- **Challenges and solutions in development**
- **Licensing rounds in East Africa**
- **Fiscal terms and regulatory updates**
- **Government roles**
- **Data governance and sharing**
- **Industry academia collaboration**

3. Energy Transition

- **Carbon intensity of different plays in East Africa**
- **Hydrogen resources**

Submissions have to be made on the official EAGE event website by 17 June 2022.



IMPORTANT DATES

Call for Abstract Open	10 December 2021
Call for Abstract Close	17 June 2022
Early Registration Open	15 May 2022
Regular Registration Open	16 July 2022
Registration Closed	9 October 2022

SPONSORSHIP OPPORTUNITIES

Sponsorship opportunities are available to suit all budgets. Please visit our website using the QR Code below for further details.



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