WORKSHOP OUTLINE

WORKSHOP OVERVIEW
AAPG will be hosting a three-day workshop featuring a series of presentations focused on showcasing Namibia’s exciting journey to major oil and gas discoveries detailing the deep-water play, its current understanding, and future potential. Despite various exploration efforts over the past years, it has become apparent that there is a considerable need for revisiting the Cretaceous plays of the Orange Basin, and potentially, other Namibian offshore basins. The results of recent drilling activities have turned Namibia’s Orange Basin into a global hotspot for exploration activities, with multiple rigs currently operating offshore Namibia. The association of multiple successive, world-class deep-water discoveries in the Orange Basin, has further proven to be game changers for Namibia’s upstream industry. Namibia is now termed as a promising frontier margin, with the recent discoveries opening a new play fairway in the Orange basin.

WORKSHOP OBJECTIVES
This workshop aims to enhance the outcomes of the 2022 AAPG Namibia GTW by offering in-depth analysis of the onshore and offshore geology and, to describe the proven and potential petroleum systems. It will present the integration of data from seismic, geological, and geophysical data to better understand and describe the proven and potential petroleum systems. It will provide insights regarding the prospectivity of these basins. Discussions will be focused on showcasing Namibia uncovering the transformational potential of the Orange Basin. Regional understanding of sedimentary & tectonic evolution, providing new insights regarding the prospectivity of these basins. Deep water reservoirs: Reservoir distribution their depositional architecture and controls on reservoir quality. Challenges of deep-water exploration the evolving trend of African deep-water exploration. Current and projected exploration and appraisal activities in the Orange Basin.

WORKSHOP GUIDELINES

FORMAT
The workshop will be 3 days, consisting of oral presentations, poster presentations, and breakout sessions where participants can discuss and investigate a specific theme that is of mutual interest. The first day will feature an inaugural keynote speech by a high-profile professional from the industry.

ATTENDANCE
Registrations are invited from all relevant disciplines with experience and/or knowledge of the subject areas being addressed in the workshop. Registrations will be accepted on a first-come, first-served basis.

CALL FOR POSTER ABSTRACTS
You are invited to prepare a poster for presentation at the workshop. If you are interested in participating, please send a short abstract to cnavarro@aapg.org by 21 June 2024. All posters will be produced as pull-up banners and delivered by AAPG. There will be no other format available for poster display.

REGISTRATION TYPES & FEES

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*To avail the Member rate you must be an active member of AAPG.
**To register as a Young Professional you must be under the age of 35 with less than 10 years of work experience.

REGISTRATION DEADLINE
To guarantee your seat, please make sure to register by 15 July 2024.

CANCELLATION POLICY
AAPG will refund the tuition, less a $100 processing fee, if the request is received no later than 30 days prior to the workshop. Cancellations must be made in writing. The registrant will accept cancellation notices by telephone, but all such notices must be followed up by fax or email. No refund will be made for cancellations received less than 30 days prior to a workshop being given. Nonpayment of tuition does not constitute automatic cancellation. If no cancellation notice is received by 30 days prior to a workshop, participants are liable for full tuition. AAPG reserves the right to cancel a workshop if enrollment is insufficient to ensure proper effectiveness. Substitutions for individuals can be made at any time. A paid enrollment may be transferred one time to a future workshop if the request is received prior to the 30-day cut-off date.

BENEFITS OF ATTENDING
The workshop is an opportunity for attendees to receive up-to-date knowledge about the recent deep-water discoveries, talks will be focused on understanding the proven petroleum systems and exploration plays that have been identified in recent exploration activities. It is an opportunity to network and share experiences.
This session will discuss Namibia's petroleum systems with a focus on how all and elements such as multiple reservoirs, source rock, trap, and seal sequences and onshore Namibia has proven the presence of a working petroleum system hardly tested the full onshore potential. Hydrocarbon exploration both offshore drilled onshore exploration and stratigraphic wells were relatively shallow, and Basin in the country's northern part, and the Nama Basin in the south. Most of the onshore, there are two vast Neoproterozoic/Early Cambrian Basins, the Owambo Orange Basin have demonstrated that a working petroleum system is present Kudu Gas Field. Exploration wells drilled on Graff, Jonker, Venus and Mopane have been drilled offshore Namibia of which seven have been drilled in the Kabeljou-1 well drilled in the South African portion of the Orange Basin has proven the existence of this source rock.

Onshore, source rock has been sampled in wells and encountered in outcrops from the Owambo and Nama Basins. Source rock presence within the Owambo Basin has been associated to the Otavi Group carbonates and marine shales from the Otavi and Mulden Group. The oil prone shales in the Nama group belong to the Prince Albert Group which these correlate well with the Whitehill formation in South Africa and the Irani Shales in South America. Source rock within the Nama Basin has been associated with the Permian age Ecza Group coal seams.

This session will showcase techniques for defining the limits of petroleum systems, how to map out the distribution of source rocks with the help of the current understanding resultant from the discoveries. Discussions will highlight the proven and potential source rocks of Namibia, their characteristics, burial history, and their proven / possible migration routes.

The petroleum exploration in the Namibian sedimentary basins is still in frontier phase and the petroleum systems are not properly understood. The challenge of exploring in frontier basins is identifying and de-risking hydrocarbon play elements due to sparse and sometimes absence of seismic data, well data, lithological and stratigraphic information. To date, only 42 exploration wells have been drilled offshore Namibia of which seven have been drilled in the Kudu Gas Field. Exploration wells drilled on Graff, Jonker, Venus and Mopane prospects have all resulted in discoveries of light oil with associated gas. The regional petroleum systems are poorly understood but the discoveries in the Orange Basin have demonstrated that a working petroleum system is present offshore Namibia.

Onshore, there are two vast Neoproterozoic/Early Cambrian Basins, the Owambo Basin in the country's northern part, and the Nama Basin in the south. Most of the drilled onshore exploration and stratigraphic wells were relatively shallow, and hardly tested the full onshore potential. Hydrocarbon exploration both offshore and onshore Namibia has proven the presence of a working petroleum system and elements such as multiple reservoirs, source rock, trap, and seal sequences have been confirmed. This session will discuss Namibia's petroleum systems with a focus on how all the various elements come together to define proven and potential petroleum systems.