



SPE Workshop: The Sustainable Development of the Suriname-Guyana Basin

23-24 March 2022 | Royal Torarica | Paramaribo, Suriname

With 13 billion barrels of discovered resources and continuing exploration, opportunities in Suriname and Guyana are tremendous, but will present challenges given the lack of experience and knowledge in offshore high-tech petroleum activities. This SPE workshop has three focus areas: technology, regulatory aspects, building local capacity.

It is the ambition of this SPE Workshop to play a role in filling the knowledge gap by not only focusing on the best technologies for deepwater subsea developments but to also address the regulatory and local content issues common for emerging frontier areas. In addition to the usual SPE Workshop technical participants, decision makers in government, and civil society will be encouraged to attend.

The outcome of the SPE Workshop is to provide an information platform for sustainable value growth in the Suriname-Guyana Offshore basin. The workshop will highlight how to optimize technology, regulatory systems, local content and capacity-building of the human resources required for national development.

Committee Members

CO-CHAIRPERSON

Patrick Loys Brunings, Staatsolie Maatschappij Suriname N.V

CO-CHAIRPERSON

Brian Chia, Isika Shore Base Inc

Henk Chin-A-Lien, Staatsolie Maatschappij Suriname N.V

Cassandra Dewan, UFRJ

Louise Flynn, DAI/ Center for Local Business Development - Guyana

Marissa Foster, Ministry of Natural Resources, Guyana

Jeneece Isaac, Ministry of Energy and Energy Industries, Trinidad and Tobago

Nils Kaageson-Loe, Baker Hughes

Eric Maidla, Honorary Consul of Estonia, Texas

Lars Mangal, Totaltec

Dennis A Pieters, Mid Atlantic Oil & Gas

Carlos Augusto Rojas Mendizabal, Total E&P Suriname B.V. Branch

Susan Scott, ExxonMobil

Lumay Vilorio, Endeavor Management

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Thanks to the overwhelming support from our sponsors, we are able to greatly discount the workshop registration fees for all attendees.

Our sponsors' support enables SPE to provide an avenue for knowledge transfer concerning the sustainable development of the Suriname-Guyana basin within this emerging sector.

Special thanks to the SPE Suriname Section for welcoming this event in Paramaribo!

Technology Showcase



Who We Are SPE is the largest individual member organization serving managers, engineers, scientists and other professionals worldwide in the upstream segment of the oil and gas industry.



Society of Petroleum Engineers

Wednesday, 23 March 2022

0700–0800 **Royal Ballroom Foyer**
Registration and Welcome Coffee

0800–0810 **Royal Ballroom**
Chairperson's Welcome and Safety Moment

0810–0910 **Royal Ballroom**
Opening Session

- **Honorable Minister David Abiamfo**, Ministry of Natural Resources, Suriname
- **Honorable Minister Vickram Bharrat**, M.P. Minister of Natural Resources, Ministry of Natural Resources
- **Annand Jagesar**, CEO, Staatsolie Maatschappij Suriname N.V
- Message from **2021 SPE International President Thomas A. Blasingame** and from **SPE Latin America and the Caribbean Regional Director Gail Ramdath**.

0910–1040 **Royal Ballroom**
Session 1: State of the “Union” Suriname and Guyana

Session Chairpersons: Lumay Viloría-Gomez, Endeavor Management

This session will showcase the knowledge acquired during the exploration of the prolific Guyana Suriname Basin. It will feature current operators and suppliers who will share their experiences, techniques and interpretations which have attributed to the modern understanding of the basin today. The session will also highlight how the many exploration and appraisal wells have transformed the development outlook of this basin.

- **The Guyana – Suriname Basin: Source-to-sink Considerations from Exploration to Asset**
Carl Watkins, CGG
- **Benefits of Integration in the Guyana – Suriname Basin**
Matthew Chandler, ExxonMobil
- **Suriname Block 58: Advanced Data Acquisition and Interpretation in the Exploration/appraisal Phase – Sapakara South Example**
Arnaud Mazeraud, TotalEnergies

1040–1100 **Royal Ballroom Foyer**
Coffee Break

1100–1230 **Royal Ballroom**
Session 2: Regulatory

Session Chairpersons: Jeneece Isaac, Ministry of Energy and Energy Industries, Trinidad and Tobago; **Cassandra Dewan**, Universidade Federal do Rio de Janeiro (UFRJ)

This session provides an overview of the regulatory systems in both Guyana and Suriname as well as, an introduction to other developed models adopted by more mature hydrocarbon producing regions. The main focus areas are risk management, outlining model regulatory frameworks through legislation and sustainable value growth. The speakers will discuss the lessons learnt over the years and ways to improve the overall industry regulatory regime.

- **Upstream Regulation in Brazil—Where do We Stand?**
Raphael Moura, Tiago Machado de Souza Jacques, National Agency of Petroleum, Natural Gas and Biofuels (ANP, Brazil)
- **Regulatory Framework for the New Post-Pandemic Norm and Energy Transition**
Armando Zamora Reyes, National Hydrocarbons Agency (ANH, Colombia)
- **Managing Production Sharing Contracts in Suriname**
Angele Karg, Staatsolie Maatschappij Suriname N.V

1230–1400 **Banquet Hall**
Lunch & Technology Showcase

1340–1400
Technology Showcase Presentation
by Staatsolie Maatschappij Suriname N.V



1400–1600 **Royal Ballroom**
Session 3: Drilling

Session Chairpersons: Carlos Rojas-Mendizabal, Total Energies
Nils Kaageson-Loe, Baker Hughes

The drilling session provides an insight on the history of drilling operations in offshore Suriname and Guyana basins as a basis to understand the current and future challenges to explore and develop oil and gas assets (Continental Shelf and Deepwater). It aims to discuss the technologies allowing to reach the current state of the art in Conventional Offshore and Deepwater operations (with consideration of the diverse geological contexts drilled), the technical challenges faced and key performance improvements. It gives, as well, a vision of upcoming challenges and technologies that will allow to overcome them.

- **TBD**
Mitch Jie-A-Looi, Staatsolie Maatschappij Suriname N.V
- **Offshore Suriname: Challenges in Deepwater Drilling Operations**
Dylan Richey, Apache
- **TBD**
Amanda Studebaker, Baker Hughes
- **Post Salt Well Construction Overview in Brazilian Deepwater Offshore—Past and Future**
Marcello Marques, Petrobras

1600–1630 **Royal Ballroom Foyer**
Coffee Break

1630-1800

Royal Ballroom

Interactive Panel Session: Gas Utilization and Monetization

Moderator: Brian Chia, Isika Shore Base Inc

The wild price fluctuation in natural gas globally has reinforced its role during the energy transition to net zero. Suriname and Guyana have ample associated gas resources.

This interactive panel session will explore the questions—do we monetize gas or use it for ultimate oil recovery by re-injection into the reservoirs?

Panelists:

Vernon Paltoo, President, National Energy Corporation
Eddy Fränkel, Deputy Director Power & Sustainable Energy, Staatsolie Maatschappij Suriname N.V.

1800-1930

Club House & Marina - The Pier

Welcome Reception

Thursday, 24 March 2022

0700-0800

Royal Ballroom Foyer

Registration and Welcome Coffee

0800-0930

Royal Ballroom

Session 5: Local Content

Session Chairpersons: Susan Scott, ExxonMobil
 Lars Mangal, Totaltec

Oil and gas development will play a significant role in the economic development of both Guyana and Suriname. Through a combination of pragmatic policy and successful implementation Local Content can be a fundamental component to the development a robust, diverse and healthy economy. The first discovery in the basin was in 2015, with the scale of reserves rapidly becoming clear. Seven years after discovery, is local content where it should be?

Learn from Guyana and Suriname stakeholders and international companies what their experience has been in building local capacity - successes, challenges. Explore what are the synergies that cross the border of the two countries, and how to realize these opportunities as a win for all stakeholders. This session will focus on the implementation and explore the key components that underpin a successful local content approach through the lens of the operator, the local business, and civil society.

- **Local Content Development in Suriname: Status of initiatives triggered by the Offshore Discoveries**
Deniss Pello, Staatsolie Maatschappij Suriname
- **Guyana's Local Content Framework—Perspectives from the Private Sector**
Shyam Nokta, Environmental Management Consultants Inc.
- **Assessing the Effectiveness of Local Content Policies**
Paul Watson, Consultant, DAI

0930-1000

Royal Ballroom Foyer

Coffee Break

1000-1130

Royal Ballroom

Session 6: ESG/HSE

Session Chairpersons: Henk Chin-A-Lien, Staatsolie Maatschappij Suriname N.V
Lumay Viloría-Gomez, Endeavor Management
Nick Welch, Endeavor Management

As Sustainability become a mandatory matrix to perform operations with the awareness of the planet, the people and the preservation for a better future; session six will bring international companies or organizations to go over best practices and lesson learned in offshore operation.

The focus will be the Environmental, Social and Governance process. A brief view of international standards and ESG/HSE Integration. The goal is to provide bring some examples to support the GSB development and get early adoption as the basin goes through exploration to appraisal then development.

- **Developments in Sustainability and Energy Transition in Upstream**
Tiago Machado de Souza Jacques, ANP - National Agency of Petroleum, Brazil
- **Suriname; Voyage to the Heart of Marine Biodiversity on Block 58**
Joanna Sowulewska, Jonathan Smith, TotalEnergies

1130-1300

Banquet Hall

Lunch & Technology Showcase

1300-1500

Royal Ballroom

Session 7: Education Strategies

Session Chairpersons: Dennis A Pieters, Mid Atlantic Oil & Gas
Eric Maidla, Honorary Consul of Estonia, Texas

Presenters will cover their experience starting up a completely new Petroleum Engineering and Earth Science Programs and will discuss strategies that were used and implemented to train existing Professors from other fields to engage in the Petroleum Engineering and Earth Science programs: training students and also addressing ways to build the internal collaborative alliances necessary to make the most of the university's vast knowledge and expertise with both industry and Governmental organizations.

- **Petroleum and Sustainable Energy Programs at The University of the West Indies, Trinidad and Tobago**
Raffie Hosein, The University of the West Indies
- **Foundational Knowledge, Attitudes and Practices: Positioning Local Youth to Benefit from and Protect their Patrimony**
Barbara Reynolds, Education Consultant
- **Petroleum Related Education at the Anton de Kom University of Suriname**
Theo E. Wong, Anton De Kom University of Suriname
- **Analysis of the Brazilian Strategy to Find and Build Their First Petroleum Engineering Department Back in 1988—A Story of Success**
Eric Maidla, Honorary Consul of Estonia, Texas

1500-1515

Royal Ballroom

Chairpersons Closing and Workshop Wrap Up

Accessibility

Our events and functions are accessible to all attendees with wheelchairs. If you require special arrangements, please contact our staff at the registration desk.

Alcohol Policy

SPE recognizes the legitimate serving of alcoholic beverages in the process of conducting business and social activities. We also recognize that the use and consumption of alcohol carries with it the requirement for all attendees to consume those beverages responsibly.

Commercialism

In remaining consistent with workshop objectives and SPE guidelines, commercialism in presentations will not be permitted. Company logos should be used only to indicate the affiliation of the presenter(s).

Continuing Education Units

Attendees will receive 1.6 CEUs. One CEU equals 10 contact hours of participation. CEUs will be awarded through SPE Professional Development for participation and completion of an SPE workshop. A permanent record of a participant's involvement and awarding of CEUs will be maintained by SPE.

Documentation

Following the workshop, a URL containing released copies of the workshop presentations will be available to all attendees.

Electronic Devices

As a courtesy to the speakers and your fellow registrants, please turn off all electronic devices during presentations.

Name Badges

Please wear your badge at all times. It is a courtesy to your fellow registrants, speakers, and sponsors.

Photography and Recording Policy

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Workshop Format

Workshops maximize the exchange of ideas among attendees and presenters through brief technical presentations followed by extended Q&A periods. Focused topics attract an informed audience eager to discuss issues critical to advancing both technology and best practices. Many of the presentations are in the form of case studies, highlighting engineering achievements and lessons learned. In order to stimulate frank discussion, no proceedings are published and members of the press are not invited to attend.

COVID-19 Precautions

The Royal Torarica is strictly observing COVID-19 hygiene and safety rules during events. Please be aware of the signage throughout the venue. The use of masks is mandatory.

A Scribe Report will be produced by the Program Committee and distributed to workshop participants 4 – 6 weeks following the workshop. The copyright of the report is with SPE.



Please take a moment and let us know your thoughts on this event!

Use your mobile device <http://go.spe.org/21AV04Attendee>