

CONFERENCE PROGRAM



22 -23 August 2018 • Cartagena Colombia

Welcome from General Chair

We meet in this historic city at a historic time for our country. The recent peace process and new pro-business government present the perfect backdrop to explore opportunities for the energy sector, both in Colombia and throughout the region.

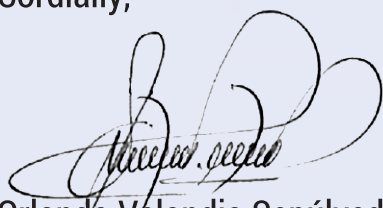
As administrators of our nation's hydrocarbon resources, we are taking steps to increase the country's competitiveness and to encourage domestic and foreign investment. Our new regulatory framework allows greater flexibility and access to new E&P areas in accordance with industry needs.

We look forward to meeting with and learning from our colleagues throughout the Americas and sharing strategies for how to benefit our agencies, our industry and our citizens through innovative, responsible and environmentally sustainable practices. We invite conference participants to enjoy an interesting, well-rounded agenda, from high-quality plenaries, country sessions and business luncheons that highlight best practices, bid rounds and investment opportunities throughout the region.

Visit the exhibition to find the latest in information and technology and explore business opportunities at the B2B sessions. Continue your networking at evening receptions, where you can experience Colombian culture and enjoy local music and dance. While in town, take time to enjoy Cartagena, a city filled with history, culture and delicious cuisine.

May the warmth of the Caribbean stay with you long beyond your stay.

Cordially,



Orlando Velandia Sepúlveda

President, ANH Colombia

General Chair

Latin America & Caribbean Region

Energy Opportunities Conference 2018



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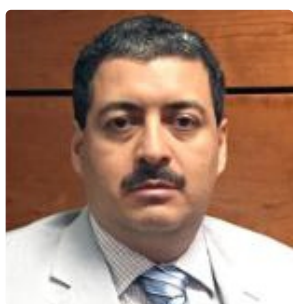
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Clyde Griffith
Suriname Participation
Staatsolie



Xavier Moonan
Caribbean Participation
University of the West Indies



Juan Pablo Lovecchio
Argentina Participation
YPF

Conference Schedule

Tuesday, August 21

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|------------------------|--|
| 9:00 a.m. - 5:00 p.m. | Registration, Salón Guacamayo, 2nd Floor |
| 10:00 a.m. - 5:00 p.m. | Exhibitor Setup, Salón Bolívar Foyer, 2nd Floor |
| 2:00 p.m. - 6:00 p.m. | Regulatory Agency Meeting (invitation Only), Salón Manzanillo, 1st Floor |

Wednesday, August 22

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|-----------------------|--|
| 7:00 a.m. - 5:00 p.m. | Event Registration, Salón Guacamayo, 2nd Floor |
| 7:30 a.m. - 6:30 p.m. | Exhibition, Salón Bolívar Foyer, 2nd Floor |
| 8:00 a.m. - 9:00 a.m. | Opening Ceremony Maria Fernanda Suarez, Colombia Minister of Energy, Honorary Chair; Orlando Velandia, ANH President, General Chairs; Jürgen Loeber, Executive Vice President, Ecopetrol; Victor Vega, General Vice Chair; Denise Cox, AAPG President Location: Gran Salón Bolívar, 2nd Floor |

Session I: A Regulatory Framework for the 21st Century

Chairs: Orlando Velandia, President, ANH Colombia; Victor Vega, General Vice Chair
Location: Gran Salón Bolívar, 2nd Floor

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|-------------------------|---|
| 9:00 a.m. - 9:20 a.m. | ANH: A New Road Map Orlando Velandia, President, National Hydrocarbon Agency (ANH), Colombia |
| 9:20 a.m. - 9:40 a.m. | New Regulatory Framework and Modification of the Hydrocarbons Organic Law Seferino Yesquén León, Board of Directors President, PeruPetro, Peru |
| 9:40 a.m. - 10:00 a.m. | Energy Reform in Mexico: New Model, Key Success Factors and Learned Lessons Faustino Monroy, Director Exploration Division, National Hydrocarbon Commission (CNH), Mexico |
| 10:00 a.m. - 10:20 a.m. | Bolivian Oil & Gas Model and Exploration Challenges Oscar Barriga, President, YPFB Corporation |
| 10:20 a.m. - 10:40 a.m. | COFFEE BREAK, SALÓN BOLÍVAR FOYER, 2ND FLOOR |

Session II: Empowering Communities and Protecting the Environment

Chairs: María Victoria Riaño, President, Equión Energía; Ulises Hernández, Director of Prospective Resources, Pemex
Location: Gran Salón Bolívar, 2nd Floor

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| 10:40 a.m. - 11:00 a.m. | Aboriginal and Minority Groups Consultation in Energy, Mining and Infrastructure Projects: A Comparative Analysis of the North American and the Latin American Approaches Alejandro Mesa, Greg McNab, Baker McKenzie |
| 11:00 a.m. - 11:20 a.m. | The Petroleum Industry: Building Futures and Transforming Lives María Victoria Riaño, President, Equión Energía |
| 11:20 a.m. - 11:40 a.m. | Empowering Local Communities through an Award-Winning Holistic Energy Model Carlos Ávila, Director of Finance and Administration, Belize Natural Energy |

11:40 a.m. - 12:00 p.m.

Best Environmental & Social Practices in Responsible Lending

Carla Chizmar, Head of Environment, Social & Governance, Cifi

Luncheon Session

Included with Registration

Location: Gran Salón Bolívar, 2nd Floor

12:00 p.m. - 1:30 p.m.

Energy, Poverty and Climate: Seeking the Radical Middle

Scott W. Tinker, Director, Bureau of Economic Geology, The University of Texas at Austin

Session III: The Future Energy Matrix

Chair: Scott W. Tinker, Director, Bureau of Economic Geology, The University of Texas at Austin; Ana María Carrillo, Associate, BRC Standard & Poors, S&P Global

Location: Gran Salón Bolívar, 2nd Floor

1:45 p.m. - 2:10 p.m.

The New Era of Energy

Ricardo Sierra, CEO, Celsia

2:10 p.m. - 2:35 p.m.

Energy Transition and the Role for Natural Gas

Mounir Bouaziz, Vice President Commercial South America and Africa, Shell

2:35 p.m. - 3:00 p.m.

The Advance of Renewables in Mexico After the Energy Reforms, a Success Story for Solar PV Plants

Guillermo Garcia y Morales, Business Development Director-Mexico and Central America, Array Technologies Inc.

3:00 p.m. - 3:25 p.m.

Renewable Energies in Latin America: an Analysis from the Credit Risk Perspective

Ana María Carrillo, Associate, BRC Standard & Poors, S&P Global

3:25 p.m. - 3:55 p.m.

COFFEE BREAK, SALÓN BOLÍVAR FOYER, 2ND FLOOR

Session IV: Best Practices for Unconventional Exploration & Production

Jan Pluis, Exploration Manager for Latin America, Chevron; Duncan Nightingale, Corporate Vice President-Operations, Development & Reservoir Management, Frontera Energy

Location: Gran Salón Bolívar, 2nd Floor

3:55 p.m. - 4:20 p.m.

Unconventional Success in Argentina. The Exploration View

Matías Di Benedetto, Manager for Exploration of Unconventional Plays, YPF

4:20 p.m. - 4:45 p.m.

Lessons Learned from the Americas

Marc Payne, Colombia Country Manager, Chevron

4:45 p.m. - 5:10 p.m.

Leveraging North American Resource Play Experience into the Global Arena

Melissa Coleman, General Manager, Exploration – Latin America, Africa, Europe, Middle East, ConocoPhillips

5:10 p.m. - 5:35 p.m.

Unconventional Opportunities in Mexico

Juan Carlos Granados Hernández, Exploration New Ventures and Alliances, Pemex

5:35 p.m. - 6:00 p.m.

EXHIBIT VISITS, SALÓN BOLÍVAR FOYER, 2ND FLOOR

6:00 p.m. - 8:00 p.m.

NETWORKING RECEPTION & ENTERTAINMENT, HILTON CARTAGENA GARDENS

Thursday, August 23

7:00 a.m. - 5:00 p.m. EXHIBIT VISITS, SALÓN BOLÍVAR FOYER, 2ND FLOOR

7:30 a.m. - 8:30 a.m. EXHIBITION OPENS, SALÓN BOLÍVAR FOYER, 2ND FLOOR

Session V: Challenges and Opportunities For Offshore Exploration

Chairs: Jorge Calvache, Vice President of Exploration, Ecopetrol; Tomás Zapata, Vice President of Exploration, Repsol

Location: Gran Salón Bolívar, 2nd Floor

8:30 a.m. - 8:55 a.m. **The Present and Future of Offshore Colombia Exploration**

Jorge Calvache, Vice President of Exploration, Ecopetrol

8:55 a.m. - 9:20 a.m. **Pemex Offshore: Results and Perspectives**

José Antonio Escalera, President of Exploration, Pemex

9:20 a.m. - 9:45 a.m. **Opportunities for Pre-Salt in Brazil**

Rodrigo Valle Real, Colombia Manager, Petrobras

9:45 a.m. - 10:10 a.m. **Caribbean Offshore Biogenic Gas: a New Giant Province**

Tomás Zapata, Vice President of Exploration, Repsol

10:10 a.m. - 10:40 a.m. COFFEE BREAK, SALÓN BOLÍVAR FOYER, 2ND FLOOR

Session VI: A Panorama of Oil & Gas in the Americas: Trends, Opportunities and Challenges

Chairs: Hernan Arizmendi, CEO, Lago Energy; Leopoldo Olavarria, Head of Energy-Latin America, Norton Rose Fulbright

Location: Gran Salón Bolívar, 2nd Floor

10:40 a.m. - 11:00 a.m. **A Panorama of Oil & Gas in the Americas: Trends, Opportunities and Challenges**

Leopoldo Olavarria, Head of Energy-Latin America, Norton Rose Fulbright

11:00 a.m. - 11:20 a.m. **E&P Investment Trends in Latin America**

Ruairaidh Montgomery, Principal Analyst, Wood MacKenzie

11:20 a.m. - 11:40 a.m. **IFC Experiences in Financing Oil, Gas & integrated Midstream in Emerging Markets**

Jorge L. Gallón, Senior Investment Officer, IFC World Bank Group

11:40 a.m. - 12:00 p.m. **Latin America Oil and Gas Industry Outlook**

Fabiola Ortiz, Director of Corporate Ratings, S&P Global

Luncheon Session

Included with registration

Location: Gran Salón Bolívar, 2nd Floor

12:00 p.m. - 1:15 p.m. **Big Data, Big Analytics and the Value of Diverse Perspectives**

Denise Cox, AAPG President

Session VII: Connecting Industry and Government – Associations Panel

Chairs: Francisco Lloreda, President, Colombian Petroleum Association (ACP); Elvira Pureza Gómez, AAPG LACR President-Elect
Location: Gran Salón Bolívar, 2nd Floor

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| 1:30 p.m. - 1:50 p.m. | Perspectives from Colombia Francisco Lloreda, President, Colombian Petroleum Association (ACP) |
| 1:50 p.m. - 2:10 p.m. | Perspectives from Mexico Raymundo Piñones, Director, Mexican Association of Hydrocarbon Companies (AMEXHI) |
| 2:10 p.m. - 2:30 p.m. | Perspectives from Peru Igor Salazar, President - Hydrocarbon Division, Peruvian National Mining, Petroleum and Energy Society (SNMPE) |
| 2:30 p.m. - 2:50 p.m. | Perspectives from Brazil Milton Costa, Secretary General, Brazilian Petroleum Institute (IBP) |
| 2:50 p.m. - 3:20 p.m. | COFFEE BREAK, SALÓN BOLÍVAR FOYER, 2ND FLOOR |

Session VIII: New Technologies And New Analytics

Chair: César Patiño, EOR Technology Chief, Ecopetrol; César Mantilla, Country Manager Colombia-Peru, Halliburton Landmark
Location: Gran Salón Bolívar, 2nd Floor

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| 3:20 p.m. - 3:40 p.m. | Building Technological Capabilities through Alliances and Open Innovation: Ecopetrol's Experiences Andrés Mantilla Zarate, Director, Ecopetrol Center of Innovation and Technology |
| 3:40 p.m. - 4:00 p.m. | Technologies for Fullstream Development in Oil and Gas industry during the Digital Revolution German Gómez, Director Western Hemisphere Channel Partners, Baker Hughes, a GE Company |
| 4:00 p.m. - 4:20 p.m. | Supercomputing and Artificial Intelligence for the Oil & Gas Industry Pedro Mario Cruz e Silva, Solution Architect Manager, Nvidia |
| 4:20 p.m. - 4:40 p.m. | Seismic Intelligence: A Platform to Apply Artificial Intelligence to Seismic Data Emilio Vital Brazil, Scientist, IBM Research |
| 4:40 p.m. - 5:00 p.m. | Challenges for the Digital Transformation in the Execution of Engineering and Construction Projects Andrés Gutierrez, Senior Account Executive, Oracle |

Country Snapshots: Presentations Highlighting Investment Opportunities Throughout the Region

Chair: Gina Godfrey, AAPG International Pavilion
Location: Manzanillo Room, 1st floor, Thursday, 23 August

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| 3:30 p.m. - 3:45 p.m. | Shallow Water and Onshore Bid Rounds 2018 - Trinidad Talk Andra Francis-Nicholas, Senior Geophysicist (Ag.), MEEI – Ministry of Energy and Energy Industries |
| 3:45 p.m. - 4:00 p.m. | Staatsolie, Outlook & New Opportunities - Suriname Clyde Griffith, Team Coordinator Geoscience Group, Staatsolie |
| 4:00 p.m. - 4:15 p.m. | Open Uruguay Round - Uruguay Pablo Gristo, Geoscience Manager, ANCAP |

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| 4:15 p.m. - 4:30 p.m. | U.S. Offshore Oil and Gas Overview - U.S. Gulf of Mexico Michael Celata, Regional Director Gulf of Mexico Region, BOEM |
| 4:30 p.m. - 4:45 p.m. | Colombia's Energy City - Colombia Camilo Morales, Energy Officer City of Barranquilla, City of Barranquilla |
| 5:00 p.m. - 6:00 p.m. | EXHIBIT VISITS, SALÓN BOLÍVAR FOYER, 2ND FLOOR |
| 6:00 p.m. - 8:00 p.m. | CLOSING BEACH PARTY, PLAYA OASIS, HILTON CARTAGENA HOTEL |

Business-to-Business (B2B) Session

Dates: Wednesday and Thursday, 22-23 August

Location: Bocachica, Tierrabomba and Manzanillo Rooms, 1st Floor

Meet with current and future partners and explore business opportunities

By appointment, registration required

Evening Entertainment

Opening Reception and Concert

Tuesday – reception and traditional musical performance Hilton Gardens, 6 p.m.

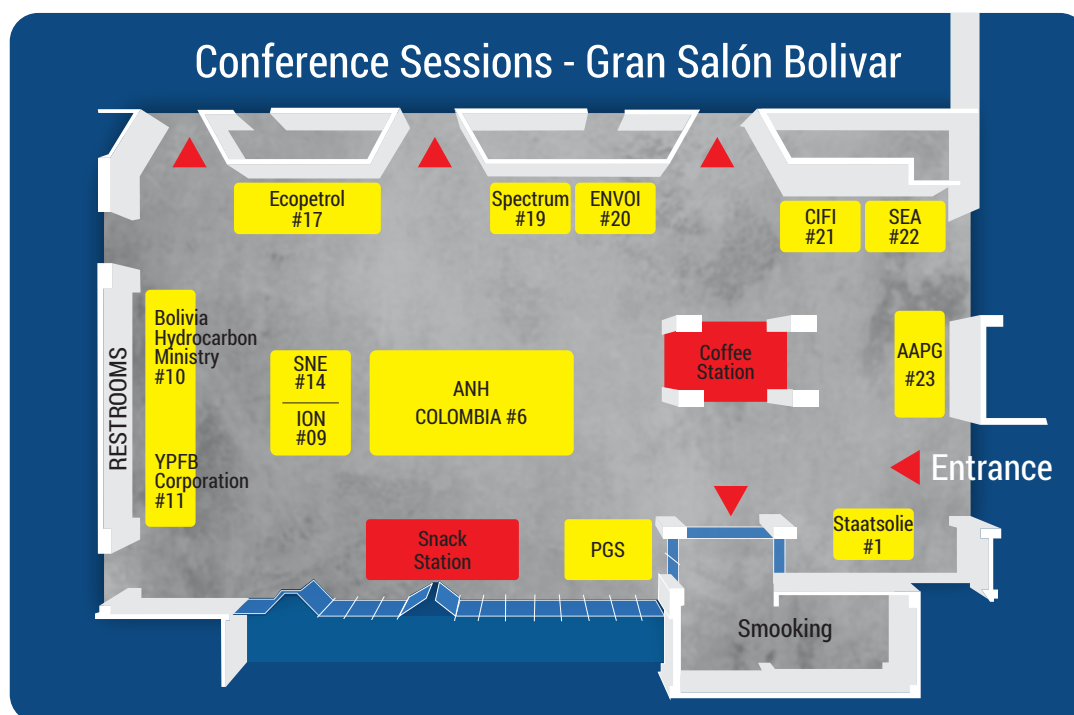
Enjoy the evening with a reception and musical performance by Miriam Negrete, la Voz que Enamora, and group of all-female musicians singing traditional Colombian vallenato music. Miriam runs a foundation providing musical and cultural education for women from disadvantaged backgrounds.

Closing Beach Party

Wednesday– closing beach party Playa Oasis, 6 p.m.

Culminate your conference experience enjoying the sunset on Cartagena's Laguito Peninsula. Interact with a Palanquera dressed in the city's traditional dress while enjoying appetizers, drinks and good conversation. Relax and practice your dance moves with a live band playing traditional Latin Music.

Exhibition Map



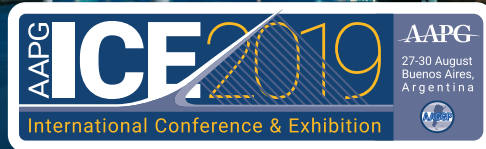
Exhibitor List

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|---|--|--|
|  | AAPG Latin America & Caribbean Region - #23 1444 S. Boulder, Tulsa, OK 74119, USA latinamerica@aapg.org +180 0364 2274 | www.aapg.org |
|  | ANH Colombia - #1 Avenue 26 No. 59 - 65 2nd Floor Bogotá - Colombia info@anh.gov.co +571 593 1717 | www.anh.gov.co |
|  | Corporación Interamericana para el Financiamiento de Infraestructura (CIFI) - #21 Costa del Este, Torre MMG, Piso 13 Panamá johanna.gomez@cifi.com - +507 320 8041 | www.cifi.com |
|  | Ecopetrol - #17 Cra. 13 #36-24 Bogota, DC Colombia +571 234 4000 | www.ecopetrol.com.co |
|  | Envoi Limited - # 20 Old Stables House, 1d Manor Road London, United Kingdom deliver@envoi.co.uk - +440 2085661310 | www.envoi.co.uk |
|  | ION Geo - #9 2105 CityWest Blvd #100 Houston, TX USA info@iongeo.com - +281 933 3339 | www.iongeo.com |
|  | Ministry of Hydrocarbons Plurinational Republic of Bolivia - #10 Avenida Mariscal Santa Cruz - Esquina Calle Oruro - Edif. Centro de Comunicaciones La Paz info@hidrocarburos.gob.bo - +591 2237 4050 | |
|  | PGS - #3 15375 Memorial Drive, Suite 100 Houston, TX jerry.whitney@pgs.com - +1 281 886 8625 | www.pgs.com |
|  | Secretaría Nacional de Energía, Panama - #14 Calle 50 y 74, Edificio 909, Piso 11 Panamá, República de Panamá +507 527 9976 | www.energia.gob.pa |
|  | Spectrum Geo Inc. - # 19 11750 Katy Fwy Suite 900 Houston, TX 77079 sales@spectrumgeo.com +128 16470502 | www.spectrumgeo.com |
|  | Staatsolie Maatschappij Suriname - #1 Dr. Ir. H.S. Adhinstraat 21 Paramaribo, Suriname info@staatsolie.com - +597 499649 | www.staatsolie.com/en |
|  | Switch Energy Alliance (SEA) - #22 3500 Oakmont Blvd, Suite 100 Austin, TX 78831 USA bhays.switch@gmail.com - +1214 995 8026 | www.switchon.org |
|  | YPFB Corporation - # 11 Calle Bueno No 185 entre Federico Suazo y Camacho La Paz, Bolivia info@ypfb.gob.bo +591 2217 6300 | www.ypfb.gob.bo |

Notes:

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