

3rd annual

ShaleGas

WORLD

Argentina 2014

27-28 August 2014
Hilton, Buenos Aires, Argentina

Strategy and opportunity
for Argentina's
unconventional
oil and gas producers

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ShaleGas

WORLD

Argentina 2014

Shale Gas World Argentina is the premier meeting place for shale gas and unconventional resource stakeholders. Join us in to debate the economics of the Argentine shale industry and learn how the country is working to commercialise shale reserves. Understand how operators are managing environmental and water management challenges, whilst optimising drilling and completions techniques to drive down well costs and realise the vast potential of shale in Argentina.

Hear operator case studies from Argentina and the US. Hear provincial government forecasts for the economic outlook of shale in their province. Find out direct from the investor perspective, what the appetite is for ongoing E&P in the country. Shale Gas World Argentina will allow you to network with key industry stakeholders, hear the latest technical insights from operators and help you to grow as part of Argentina's energy revolution.

Technical and Strategic Roundtables
Taking place on both conference days, you have the chance to sit and debate specific issues with the key figures specialising in each topic.

Senior Networking
Meet and build lasting business relationships with major industry players.



Operator Case Studies
Hear from Argentine and US operators for an insight into current challenges and future predictions.

Economics
Learn from investors themselves what they are looking for when making future investment and hear their economic forecasts for the Argentine industry.

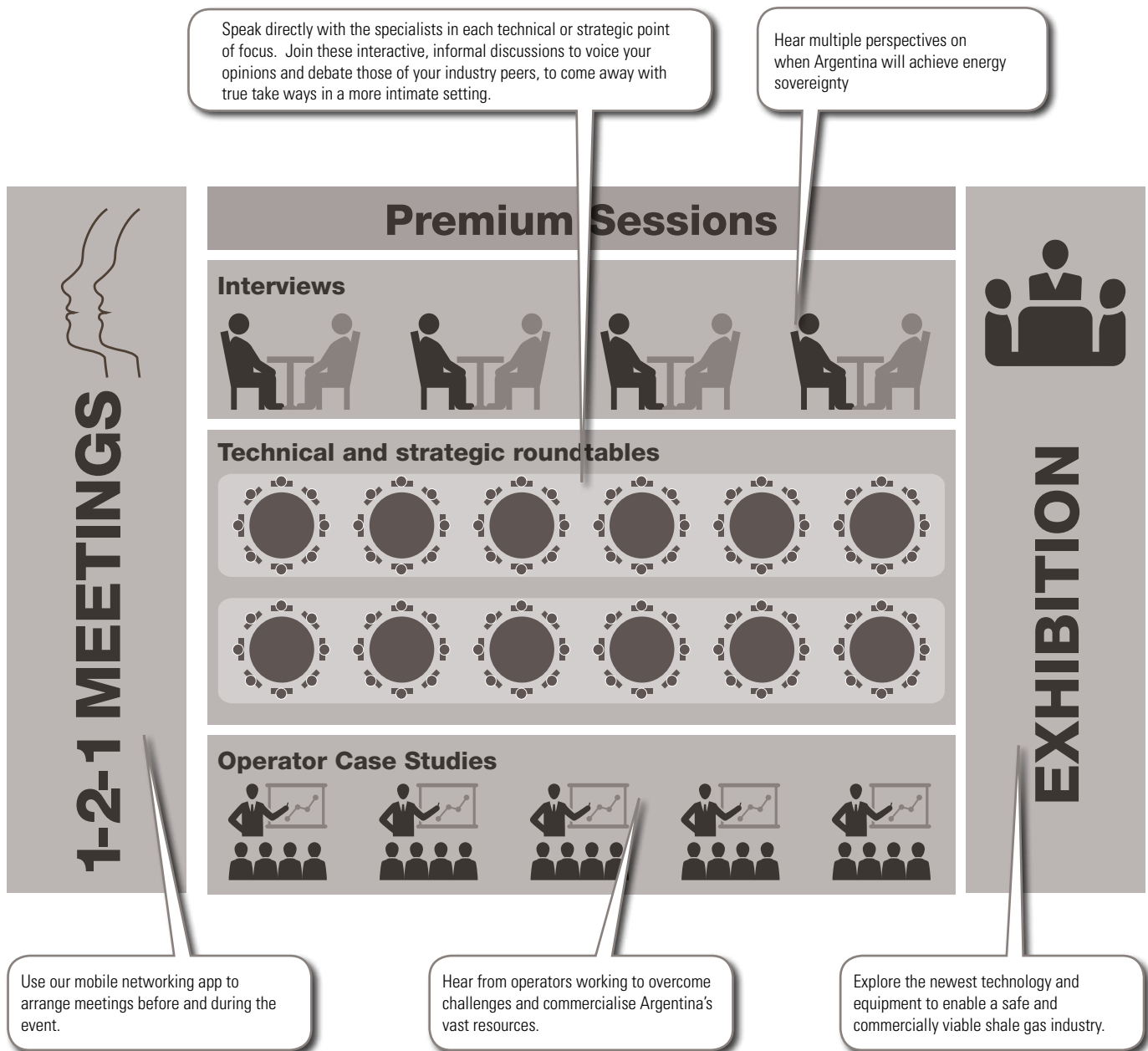


Event at a glance

Shale Gas World Argentina 2014 is where you will meet operators, government representatives, investors and key stakeholders in Argentine shale gas and unconventional resource development. With major players gathered on one platform, this is your opportunity to hear from industry experts Gustavo Bianchi, Governor Jorge Sapag, José Luis Manzano and Luis Giusti, and direct from operators Andes Energia, Pan American Energy, Pluspetrol, Madalena Austral and Gran Tierra.

The event includes: interactive technical and strategic roundtables, operator case studies, investor panel discussions, an online meeting system, and a networking evening reception.

**Book now
to secure
your place!**



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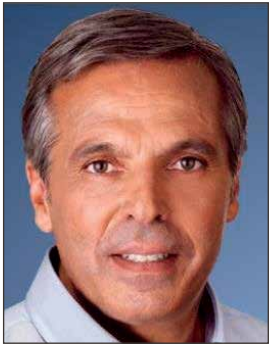
NuTech
ENERGY ALLIANCE

**CDM
Smith**

CAMERON



KEY SPEAKERS



Jorge Sapag

Governor

**Neuquén Provincial
Government**

Governor Sapag will be setting out the current investment landscape in the Neuquén Province, discussing local regulation and forecasting his vision for future operations in the region.



Alejandro Jotayan

CEO

Andes Energia

Alejandro Jotayan is the CEO of Andes Energia and will be sharing their results obtained in the Vaca Muerta and what he expects to see in the future.



José Luis Manzano

Chairman

Integra Capital

Dr Manzano will be outlining the investment outlook for Argentine shale, analysing whether the industry is moving fast enough to satisfy all stakeholders



Luis Giusti

Senior Advisor

CSIS

Taking on a global outlook, Mr Giusti will be analysing macro-scale changes and strategies of operators across the industry and what economic lessons Argentina should be learning in order to fully utilise its resources.



Javier Iguacel

Managing Director

Pluspetrol

With a case study of Pluspetrol's operations in the Vaca Muerta, Mr Iguacel will be analysing their results to date, and how partnerships and the use of the latest technology is driving commercial success in the formation.

**Book now
to secure
your place!**

TECHNICAL AND STRATEGIC ROUNDTABLES

Each roundtable is specifically focussed on a technical or strategic topic, giving you the perfect opportunity to discuss issues in-depth with the key players in that particular area, in a more informal setting.

As an attendee, you will be able to voice your opinions on the important questions affecting and influencing your industry, in front of the people that matter.

The tables will be hosted by operators, analysts, investors and service providers, allowing for a range of perspectives to be discussed and debated.

Technical Roundtables

These roundtables each address specific technological aspects of the Argentine shale industry.



EVALUATION

Reservoir evaluation and interpretation of shale plays in Argentina - identifying sufficient quality rock and sweet spots



RESERVOIR ENGINEERING

Implementing an effective reservoir engineering approach



WELL STIMULATION & COMPLETIONS

Which fracking and completions technologies are proving most effective in Argentinian shale?



DRILLING

Reducing time and costs in shale gas drilling operations



NAVIGATING THE REGULATORY LANDSCAPE

Overcoming regulatory challenges and working with regulatory bodies



WATER AND WASTEWATER MANAGEMENT

Optimising water and waste management strategies

Strategic Roundtables



MARKET OUTLOOK OF GAS PRICE



INFRASTRUCTURE AND SUPPLY CHAIN



SHALE GAS INVESTMENT



MINIMISING THE COSTS OF E&P



OPERATING AS AN INDEPENDENT IN ARGENTINA



COMPARATIVE ECONOMICS - ARGENTINA AND US



ENERGY SELF-SUFFICIENCY IN ARGENTINA

08:30

Registration and coffee

Plenary session

09:00



Conference Welcome
Josh Dance, General Manager - Energy, **Terrapinn**

09:05



Chairperson's welcoming speech
Deborah Resley, Regional Research Manager, **IHS**

THE FUTURE OF SHALE DEVELOPMENT: ADDRESSING ARGENTINA'S ENERGY DEFECIT

09:10



Keynote: Understanding the current investment landscape in the Neuquén province
Jorge Sapag, Governor, **Neuquén Provincial Government**

09:30



Keynote interview
Jorge Sapag, Governor, **Neuquén Provincial Government**

09:40

Keynote: Understanding the current investment landscape in the Chubut province

10:10



Keynote: What results have Andes Energia obtained in the Vaca Muerta and what can we expect to see in the future?
Alejandro Jotayan, CEO, **Andes Energia**

10:30



Keynote interview
Alejandro Jotayan, CEO, **Andes Energia**

10:40

Morning refreshments

11:30



Training the Untrained, Build for the Future
Arturo Valencia, Latin America General Manager, **FMC Technologies**

11:50

TECHNICAL ROUNDTABLES

Delegates are invited to join two of the following discussion tables. There will be a chance to rotate after 30 minutes to join another table. Roundtables each address specific technological aspects of the Argentinean shale industry and allow direct interaction and in-depth discussion on the chosen topic with their peers and experts in the area



1 EVALUATION
Reservoir evaluation and interpretation of shale plays in Argentina - identifying sufficient quality rock and sweet spots
Jerónimo Valenti, Joint Ventures Senior Manager, **Pan American Energy**



2 RESERVOIR ENGINEERING
Implementing an effective reservoir engineering approach



3 WELL STIMULATION & COMPLETIONS
Which fracking and completions technologies are proving most effective in Argentinean shale?
Miguel Di Vincenzo, VP of Global Sales & Technology, **EcoStim Energy Solutions**



4 DRILLING
Reducing time and costs in shale gas drilling operations



5 NAVIGATING THE REGULATORY LANDSCAPE
Overcoming regulatory challenges and working with regulatory bodies
Juan Cruz Diaz, Principal & Founder, **Cefeidas Group**



6 WATER AND WASTEWATER MANAGEMENT
Optimising water and waste management strategies
Martín Panelo, Managing Director, **Ekotech**

12:50

Lunch served in the exhibition area

OPERATOR CASE STUDIES

14:20

How have Pan American Energy overcome challenges in the Neuquén basin?
Gabriela Gonzalez, Head of Discipline - G&G Non-Conventional Reservoirs, **Pan American Energy**

14:40



How are Pluspetrol maximising their operating potential in the Vaca Muerta?
Javier Iguacel, Managing Director, **Pluspetrol**

15:00



How can international experience be transposed to drive success in Argentina?
Ruy Riavitz, Country Manager, **Madalena Austral**

15:20

Afternoon refreshments

15:50

Which proppants are best suited to Argentinean Shale?
Mas Supply

GEOLOGY AND THE ENVIRONMENT

16:10



A new approach to the Vaca Muerta and Los Molles Formations
Cecilia Lauri, Director of Studies, **Neuquén Government**

16:30



Treatment and Management of Produced Water and Flowback Fluids
Martin Panelo, Director, **Ekotech**

16:50

Panel

Panel: How are operators minimising the environmental impact of hydraulic fracturing through water and waste management?



Martin Panelo, Director, **Ekotech**



Diego Rosa, HSEC, **Gran Tierra**



Hosted by:
Sebastián Sánchez, Environmental Senior Consultant, **Pan American Energy (moderator)**

17:20

End of day and Networking Drinks Reception



Chairperson's opening remarks
Deborah Resley, Regional Research Manager, IHS

ECONOMICS OF SHALE GAS



Keynote: The investment outlook for Argentine shale
José Luis Manzano, Chairman, **Integra Capital**



Keynote: What economic lessons can Argentina learn from the global development of the shale gas industry?
Luis Giusti, Former CEO of PDVSA and Senior Advisor, **CSIS**

10:10

Morning refreshments

11:00

STRATEGY ROUNDTABLES

Delegates are invited to join two of the following discussion tables. There will be the chance to rotate after 45 minutes and join another table. Roundtables each address specific strategic aspects of the Argentinean shale industry and allow direct interaction and in-depth discussion on the chosen topic with their peers and experts in the area



1 MARKET OUTLOOK OF GAS PRICE
Julio Ledesma, Commercial Lead, Argentina, **Shell Upstream Americas**



2 INFRASTRUCTURE AND SUPPLY CHAIN



3 SHALE GAS INVESTMENT
Marcos Boysen, Private Equity Analyst, **Pampa Capital**



4 MINIMISING THE COSTS OF E&P



5 OPERATING AS AN INDEPENDENT IN ARGENTINA



6 COMPARATIVE ECONOMICS – Argentina and US
Gervasio Barzola, VP Subsurface & Development, **Pioneer Natural Resources**



7 ENERGY SELF-SUFFICIENCY IN ARGENTINA
Daniel Monzon, Head of Southern Cone Consulting, **Wood MacKenzie**

12.30

Lunch served in the exhibition area



Optimising Field Development, Well Spacing Data Acquisition and Integration
Gervasio Barzola, VP Subsurface & Development, **Pioneer Natural Resources**

PROSPECTS FOR INVESTMENT IN ARGENTINA

14:20 Panel: What needs to happen to create a stable environment for investment?



Octavio Molmenti, MD Head of Oil & Gas Latin America, **Citi Global Markets**



Diego Kuschnir, Managing Director & Portfolio Manager, **Tudor Pickering Holt & Co**



Frank McGann, Latin America Oil & Gas Managing Director, **Bank of America Merrill Lynch**



Brian Chase, Principal, **Campbell Lutyens & Co**



14:50 **When will Argentina be self-sufficient in their energy requirements?**
Daniel Monzon, Head of Southern Cone Consulting, **Wood MacKenzie**

15:10 Chairman's Closing Remarks

15:20 End of Conference

Join us as we take the discussions around the world.



ShaleGas
WORLD EUROPE 2014

24-26 November 2014, Warsaw

ShaleGas
WORLD UK 2015

12-13 May 2015, Birmingham

ShaleGas
WORLD Argentina 2015

26-27 August 2015, Buenos Aires

For more information about any of the events call Laura Jones on +44 (0)207 092 1231 or email laura.jones@terrapinn.com
www.terrapinn.com/shalegasargentina

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Unconventional Networking

Shale Gas World Argentina is no average conference. We recognise the importance of networking and the difficulty in making the right connections; so we offer an exclusive experience which allows you do just that. From meeting through our mobile app, to peer-to-peer partnering and even our personal premium service networking managers, we endeavour to ensure that contact and relations are easily managed and made time effective.



Download our networking app

Download our networking app to get organised and get in touch with all attendees before the event.

Use the Shale World portal to:

- Plan your sessions
- Build a personalised agenda
- Identify exhibitors to visit
- Set up onsite meetings with key executives.
- Network with other attendees

Keep all your messages, appointments and favourites at your fingertips and continue networking whilst you're there. You can still use the networking tool within the app for a full year after the event so you can follow up with anybody you've missed months down the line.

Your Networking Manager



Take advantage of this dedicated and personalised meeting service. Hold meetings with pre-qualified partners arranged by your networking manager in your private on-site meeting room.

Meetings for our key stakeholders are made before and throughout the event. Utilise our networking managers to coordinate face to face meetings with Europe's top E&P companies, OSC's and government ministers.

Bianca Geldenhuis

Get involved

- Book a stand and showcase your innovative solutions to new customers
- Get updates on the latest technology
- Become a sponsor and reinforce brand awareness and business growth
- Speak and foster thought leadership about the future of shale in Argentina

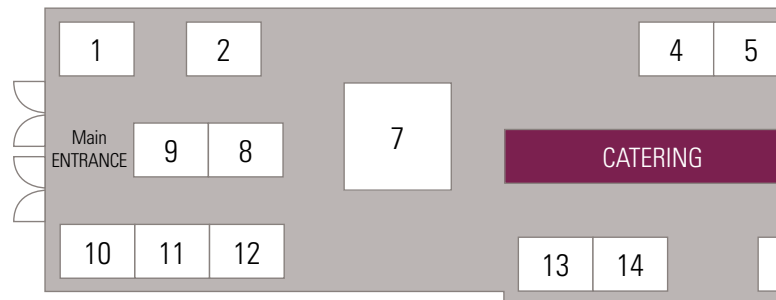
Why exhibit

- Generate new business leads
- Build brand presence and raise brand profile
- Forge strategic partnerships and joint ventures
- Showcase latest products and innovations to prospective buyers
- Promote new services to prequalified clientele
- Educate your target market on your latest service offerings

Limited stands available

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Exhibit Floor



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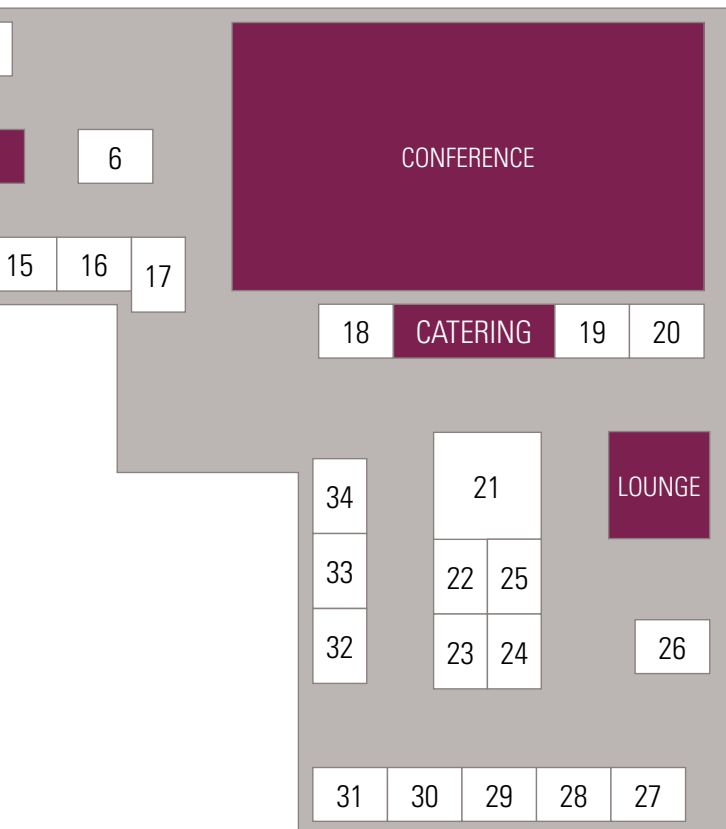
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Industries
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Socotherm

Position Plan



Who should exhibit?

- Oil Service Companies
- Unconventional Resource Specialists
- Frac Experts, Rig Management Companies
- Rig Operators, Drilling Contractors
- Consultancies
- Government Energy Ministries
- Research Institutions
- Geophysical Services
- Seismic Monitoring Companies
- Waste Management
- Earth Science Specialists
- Remediation and Appraisal Services
- M&A/Legal and Financial Specialists
- Water Management Companies
- Water Treatment Specialists
- Chemical Providers
- Insurance Providers
- Risk Management Companies
- Logistics/Freight Companies
- E&P Software Engineers
- Data Monitoring Companies
- Training Providers
- Industrial Equipment Companies



10

reasons to attend

- 1** Hear from Governor Sapag about the investment landscape in Neuquén and his vision for the future of shale in the region.
- 2** Take part in our exclusive technical and strategic roundtables, hosted by operators, investors and analysts.
- 3** Discover the outlook for investment in the industry from investors themselves and find out exactly what factors affect investment appetite.
- 4** Hear from Pluspetrol about their latest results in the Vaca Muerta.
- 5** Learn how Pan American Energy have overcome challenges in the Neuquén Basin.
- 6** Discover how Madalena is using international experience to drive success in Argentina.
- 7** Find out how to optimise drilling and completions design to maximise the value of your shale reserves.
- 8** Assess the best way to navigate the regulatory landscape in Argentina and how best to manage the operator / regulator relationship.
- 9** Discuss the environmental impacts of shale with strategies to optimise water and waste management systems.
- 10** Hear from experts in the US about how to optimise well spacing and well placement.

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