

***Unconventional Oil And Gas Exploration, Development And Safety:
A Deep Dive Into The Science, Technology And Best Practices***

**December 6-7, 2011
Brussels, Belgium**

Venue

Crowne Plaza Brussels - Le Palace

Rue Gineste 3,
B-1210 Brussels, Belgium

The Atlantic Council and Goldwyn Global Strategies are pleased to invite you to participate in the workshop "***Unconventional Oil And Gas Exploration, Development And Safety: A Deep Dive Into The Science, Technology And Best Practices***" on **December 6-7** in **Brussels, Belgium** which will center on best practices and smart regulation of the shale gas exploration and production. This workshop is aimed at informing regulators on the practices and techniques regulators utilize in comparative jurisdictions to safely regulate unconventional gas resources. The workshop will be of a technical nature, appropriate for regulators and parliamentarians, with sessions led by distinguished academic experts and regulators in the fields of unconventional drilling, water management and unconventional extraction regulation.

The format will be a two day master class with sessions led by a knowledgeable and well-rounded group of individuals and topics focused on issues ranging from geological characteristics of shale plays, water usage and chemicals, to the impact on communities and the use of aquifers. An agenda is included below and more information is available on the workshop website. Only registered participants will be given access to the information on the website. As space is limited, please confirm your attendance early.

Please contact us at energy@acus.org or 001-202-701-7727 with your confirmation and with any questions you may have. We hope you can join us and are looking forward to your active participation throughout the discussions.

Program

Day I - Tuesday, December 6th, 2011

07:30 Registration

08:30 Introductions and Overview of the Workshop

David L. Goldwyn – President, Goldwyn Global Strategies, LLC
John Lyman – Director, Energy and Environment Program,
Atlantic Council

08:45 Geological Characteristics of Shale Plays: Why the Rocks Matter

- Geological differences in shale plays
- Customizing drilling approaches to accommodate unique geological characteristics
- Microseismicity and variation in fractures

Richard Davies – Director of Durham Energy Institute, Durham University

09:10 A Regulator’s Perspective on Sector Management

- What are the essential baseline laws and regulations?
- How to harmonize national and local regulators
- Evaluating drilling and development plans
- Safety case versus prescriptive regulations – striking a balance
- Mitigating land disruptions and managing community impact

Health and Safety:

- Collecting baseline measurements
- Planning for contingencies, hazard mitigation, and spill prevention
- Monitoring and measuring air pollution

George Eynon – Board Member, Energy Resources Conservation Board

09:30 – 10:30 Question and Answer Session

10:30 Coffee Break

10:45 Best Practices in Exploration: Drilling, Casing, and Cementing

- Commonly used drilling, casing, cementing practices
- Current approaches to well integrity management
- Determining safe distances from aquifers
- Assessing appropriate technology
- How to reduce the surface footprint from shale oil and gas exploration and development
- Techniques used in vertical drilling, lateral design, and fracking

William Fleckenstein - Adjunct Professor, Department of Petroleum Engineering, Colorado School of Mines

11:30 – 12:30 Question and Answer Session

12:30 Lunch

13:30 Best Practices in Hydraulic Fracturing

- Risk management in horizontal and vertical drilling
- Standards and essential practices
- Comparative development plans for different geological formations

Chemicals and Fluids Used During Hydraulic Fracturing:

- Chemical content of fracturing fluids

Purpose of chemicals in fracturing fluids

William Fleckenstein - Adjunct Professor, Department of
Petroleum Engineering, Colorado School of Mines

14:30 – 15:30: Question and Answer Session

15:30 Coffee Break

**15:45 Myths and Realities in Shale Oil and Gas Development: Can
Smart, Safe, Economical Development Take Place in Europe?**

William Fleckenstein - Adjunct Professor, Department of
Petroleum Engineering, Colorado School of Mines

Richard Davies – Director of Durham Energy Institute, Durham
University

George Eynon – Board Member, Energy Resources Conservation
Board

David Yoxheimer - Extension Associate, Pennsylvania State
University, College of Earth and Mineral Sciences, Marcellus
Center for Outreach and Research

16:30 – 17:30 Question and Answer Session

17:30 Reception

Day II - Wednesday, December 7th, 2011

07:30 Check – In

08:30 Impact on Communities

- How and when to communicate with national and local populations
- Smart practices in stakeholder relations
- Addressing public concern through sound science

David Yoxheimer - Extension Associate, Pennsylvania State
University, College of Earth and Mineral Sciences, Marcellus
Center for Outreach and Research

09:30 – 10:30: Question and Answer Session

10:30 Coffee Break

10:45 Water Usage and Sourcing

- Where does the water come from?
- Protecting drinking water sources

David Yoxheimer - Extension Associate, Pennsylvania State
University, College of Earth and Mineral Sciences, Marcellus
Center for Outreach and Research

Comparative Commentary:

William Fleckenstein - Adjunct Professor, Department of
Petroleum Engineering, Colorado School of Mines

George Eynon – Board Member, Energy Resources Conservation Board
Richard Davies – Director of Durham Energy Institute, Durham University

11:30 am – 12:30 pm Question and Answer Session

12:30 Lunch

13:30 Produced and Flowback Water

- Options for handling flowback water
- Reinjection and recycling of flowback water
- Disposal methods

David Yoxheimer - Extension Associate, Pennsylvania State University, College of Earth and Mineral Sciences, Marcellus Center for Outreach and Research

Comparative Commentary:

William Fleckenstein - Adjunct Professor, Department of Petroleum Engineering, Colorado School of Mines

George Eynon – Board Member, Energy Resources Conservation Board

Richard Davies – Director of Durham Energy Institute, Durham University

14:30 – 15:30 Question and Answer Session

15:30 Coffee Break

15:45 Aquifers

- Treatment and filtering techniques
- Addressing methane leakage

David Yoxheimer - Extension Associate, Pennsylvania State University, College of Earth and Mineral Sciences, Marcellus Center for Outreach and Research

16:30 – 17:30 Question and Answer Session

17:30 Reception

If you have any questions regarding the conference, or would like to RSVP, please contact energy@acus.org or (202) 701-7727.

This message was sent to Heike.Leberle@europarl.europa.eu from:
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Featuring

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