

08:00 – 09:00	Registration				Exhibits Open  Conf. Hall ABC
09:00 – 10:30	<b>Opening Plenary Session – Grand Ballroom ABCD</b> <ul style="list-style-type: none"> <li>• Welcoming remarks from Meeting Hosts</li> <li>• Overview/goals of the Methane to Markets Partnership and Expo and highlighting Accomplishments</li> <li>• Keynote Speech: Importance of Methane Projects in Global Carbon Markets and as a Source of Clean Energy</li> </ul>				
10:30 – 11:00	Refreshment Break – sponsored by 				
11:00 – 12:30	<b>Plenary Session (Continued)</b> <ul style="list-style-type: none"> <li>• Leadership Roundtable and Panel Discussion: Perspectives on Methane Project Development</li> </ul>				
12:30 – 14:00	Lunch				
14:00 – 16:00  <b>Session 1</b>	<b>Agriculture Break Out</b>  Function Room 2ABC  Introduction  Keynote Address	<b>Coal Break Out</b>  Grand Ballroom D  Overview of CMM Opportunities and Advances in Projects	<b>Landfill Break Out</b>  Grand Ballroom AB  Welcome and Opening  New Developments in Estimating Landfill Methane Recovery	<b>Oil &amp; Gas Break Out</b>  Function Room 4AB  Subsection Plenary  Case Studies	
	Refreshment Break – sponsored by 				
16:30 – 18:00  <b>Session 2</b>	<b>Agriculture Break Out</b>  Function Room 2ABC  Working with International Partners to Promote Project Development	<b>Coal Break Out</b>  Grand Ballroom D  Technology Case Studies: Methane Capture, Processing, and Utilization	<b>Landfill Break Out</b>  Grand Ballroom AB  Technical Perspectives on Transitioning Landfill Gas to Beneficial Use	<b>Oil &amp; Gas Break Out</b>  Function Room 4AB  Policy, Regulatory Issues, & Climate Change	
	18:00 – 19:30	Grand Opening Reception in Exhibit Hall – sponsored by 			

# At-a-Glance Agenda

WEDNESDAY, 31 OCTOBER 2007

08:00 – 09:00	Registration					
09:00 – 11:00 <b>Session 3</b>	<b>Agriculture Break Out</b> Function Room 2ABC  Country Experiences, Technologies, and National Support for AD Development	<b>Coal Break Out</b> Grand Ballroom D  Project Case Studies <ul style="list-style-type: none"> <li>• China</li> <li>• Australia</li> <li>• USA</li> <li>• Ukraine</li> <li>• Russia</li> <li>• U.K.</li> </ul>	<b>Landfill Break Out</b> Grand Ballroom AB  Transitioning LFG to Beneficial Use: Technology Developments	<b>Oil &amp; Gas Break Out</b> Function Room 4AB  Natural Gas Compression & Methane Leak Detection	<b>Steering Committee</b> Grand Ballroom C  Open to Steering Committee Delegates only	<b>Exhibits Open</b> Conf. Hall ABC
11:00 – 11:30	Break					
11:30 – 12:30 <b>Session 4</b>	<b>Agriculture Break Out</b> Function Room 2ABC  Case Studies: AD in Support of Pollution Control, Rural Development, and Improved Environmental Management	<b>Coal Break Out</b> Grand Ballroom D  Project Case Studies <ul style="list-style-type: none"> <li>• China</li> <li>• Australia</li> <li>• USA</li> <li>• Ukraine</li> <li>• Russia</li> <li>• U.K.</li> </ul>	<b>Landfill Break Out</b> Grand Ballroom AB  Landfill Methane Utilization Projects Lessons Learned	<b>Oil &amp; Gas Break Out</b> Function Room 4AB  Upstream Production: Oil and Gas Wells	<b>Steering Committee</b> Grand Ballroom C  Open to Steering Committee Delegates only	<b>Exhibits Open</b> Conf. Hall ABC
12:30 – 14:00	Lunch					
14:00 – 15:30 <b>Session 5</b>	<b>Agriculture Break Out</b> Function Room 2ABC  Integration of Appropriate AD Technologies into Bioenergy Systems	<b>Coal Break Out</b> Grand Ballroom D  Financing CMM Projects and Addressing Project Financing Risks	<b>Landfill Break Out</b> Grand Ballroom AB  Finding Carbon Finance for Landfill Methane Projects	<b>Oil &amp; Gas Break Out</b> Function Room 4AB  Processing, Transmission and Distribution	<b>Steering Committee</b> Grand Ballroom C  Open to Steering Committee Delegates only	<b>Exhibits Open</b> Conf. Hall ABC
15:30 – 16:00	Break					
16:00 – 17:30 <b>Session 6</b>	<b>Agriculture Break Out</b> Function Room 2ABC  Measurement, Verification, Baseline, and Accounting Issues of Emission Reductions  Closing Discussion Panel: How Methane to Markets Can Assist in Overcoming Barriers  Panel Discussion: Summary and Reactions to Meeting	<b>Coal Break Out</b> Grand Ballroom D  Policy Issues Roundtable  Closing Remarks Questions and Discussion	<b>Landfill Break Out</b> Grand Ballroom AB  Finding Carbon Finance for Landfill Methane Projects  Bringing Smaller Scale LFG Projects to Market	<b>Oil &amp; Gas Break Out</b> Function Room 4AB  Associated Gas Production & Utilization	<b>Steering Committee</b> Grand Ballroom C  Open to Steering Committee Delegates only	<b>Exhibits Open</b> Conf. Hall ABC
17:30 – 18:00	Press Event					
18:00 – 19:00	Reception Outside Exhibit Hall					

**Working Meetings of the Methane to Markets Partnership**  
**All conference attendees are invited to participate**

09:00 – 10:30	<b>Plenary Session</b> – Grand Ballroom D <ul style="list-style-type: none"> <li>• Report from Policy and Technical Sessions – Overview and Outcomes <ul style="list-style-type: none"> <li>○ Agriculture</li> <li>○ Landfill</li> <li>○ Coal</li> <li>○ Oil &amp; Gas</li> </ul> </li> <li>• Outcomes from Steering Committee Meeting</li> <li>• Update from Administrative Support Group</li> </ul>			
10:30 – 11:00	Break			
11:00 – 12:00	<b>Agriculture Subcommittee</b>  Function Room 2ABC	<b>Coal Subcommittee</b>  Grand Ballroom C	<b>Landfill Subcommittee</b>  Grand Ballroom AB	<b>Oil &amp; Gas Subcommittee</b>  Function Room 4AB
12:00 – 13:30	Lunch			
13:30 – 14:30	<b>Agriculture Subcommittee</b>  Function Room 2ABC	<b>Coal Subcommittee</b>  Grand Ballroom C	<b>Landfill Subcommittee</b>  Grand Ballroom AB	<b>Oil &amp; Gas Subcommittee</b>  Function Room 4AB
14:30 – 15:00	Break			
15:00 – 16:00	<b>Agriculture Subcommittee</b>  Function Room 2ABC	<b>Coal Subcommittee</b>  Grand Ballroom C	<b>Landfill Subcommittee</b>  Grand Ballroom AB	<b>Oil &amp; Gas Subcommittee</b>  Function Room 4AB
16:00	Adjourn			

## Detailed Session Agendas

TUESDAY, 30 OCTOBER

### PLENARY SESSION – Grand Ballroom ABCD

08:00 – 09:00	<b>Registration</b>
09:00 – 10:30	<p><b>OPENING SESSION</b></p> <p><b>Opening Remarks from China’s National Development and Reform Commission (NDRC)</b> <i>Minister Xie Zhenhua, Vice Chairman, NDRC</i></p> <p><b>Opening Remarks from the United States Ambassador to China.</b> <i>Clark T. Randt, Jr., Ambassador to China</i></p> <p><b>Remarks on Coal Mine Methane Experience in China</b> <i>Minister Liang Jiakun, SAWS</i></p> <p><b>Recent Accomplishments of the Methane to Markets Partnership</b> <i>John Beale, Deputy Assistant Administrator, U.S. Environmental Protection Agency (U.S. EPA) and Chair of the Partnership Steering Committee</i></p> <p><b>Importance of Methane Projects in Global Carbon Markets and as a Source of Clean Energy</b> <i>Bindu Lohani, Vice-President, Asian Development Bank</i></p>
10:30 – 11:00	Refreshment Break – sponsored by 
11:00 – 12:30	<p><b>Leadership Round Table: Perspectives on Methane Project Development</b> <i>Moderator: Neil Hirst, Director, International Energy Agency (IEA)</i></p> <p><i>Panelists:</i></p> <ul style="list-style-type: none"> <li>– <i>Cameron Davies, Chief Executive, Alkane Ltd.</i></li> <li>– <i>Steve Zou, President and CEO, Asian American Gas, Inc.</i></li> <li>– <i>Rich Lavin, Senior Vice President, Caterpillar</i></li> <li>– <i>He Tian-cai, Chief Engineer, Jincheng Anthracite Coal Mining Company</i></li> <li>– <i>Ajit Kumar Hazarika, Director, Oil and Natural Gas Corporation of India (ONGC)</i></li> <li>– <i>Gary Crawford, Vice President, Veolia Environmental Services</i></li> </ul>
12:30 – 14:00	Lunch

## AGRICULTURE SECTOR – Function Room 2ABC

14:00 – 16:00

### SESSION 1: Introduction

*Co-Chairs: Jeremy Eppel, Head of Division, Sustainable Agriculture Strategy  
UK Department for Environment, Food and Rural Affairs and  
Agriculture Subcommittee Co-Chair and  
Wang Qingli, Head of Division of Resources and Environment Department of Science,  
Education and Rural Environment (DSERE), Chinese Ministry of Agriculture (MOA)*

### Welcome from Our Hosts

*Bai Jinming, Director General of DSERE, MOA*

### Methane to Markets: Partnership Overview

*Jeremy Eppel, Agriculture Subcommittee Co-Chair*

### Keynote Address - Livestock's Long Shadow: Environmental Issues and Options

*Pierre Gerber, Food and Agriculture Organization of the United Nations*

### What are Anaerobic Digesters, What Makes Them Work, How are They Used Around the World, and How Does AD Protect the Environment (Climate, Air, Water, Human Health)?

*Michael Chesshire, Director of Greenfinch, Ltd.*

### Current Status of Anaerobic Digestion Technology Development in China

*Deng Guanglian, Director of Biogas Research Institute of MOA*

### Session Discussion

16:00 – 16:30

Refreshment Break – sponsored by



16:30 – 18:00

### SESSION 2: Working with International Partners to Promote Project Development

*Co-Chairs: Henry Derwent, DEFRA Director of International Climate Change and Energy  
and Li Jingming, Center for Science and Development of MOA*

### Promoting the Growth of Anaerobic Digestion in Agriculture: Lessons from National and International Experience

*Jeremy Eppel and Jorge Hilbert, Methane to Markets Agriculture Subcommittee Co-Chairs*

### Overview of CDM Opportunities in AD

*Zarina Azizova, World Bank*

### Investment in the Effective Utilization of Agricultural Wastes

*Qingfeng Zhang, Asian Development Bank*

### Renewable Energy and Energy Efficiency Partnership (REEEP): Activities that Support AD Project Development Worldwide

*Li Junfeng, REEEP*

### Session Discussion

**18:00 – 19:30 GRAND OPENING RECEPTION IN EXHIBIT**

Sponsored by



## Detailed Session Agendas

TUESDAY, 30 OCTOBER 2007

### COAL SECTOR – Grand Ballroom D

14:00 – 14:10

**Welcome and Introduction**  
*Coal Subcommittee Co-Chairs*

#### **SESSION 1: Coal Mine Methane Projects and Technologies**

##### **Part 1: Overview and Technology Case Studies**

14:10 – 15:00

**Coal Mine Methane Recovery & Utilization: A Global Overview of Project Opportunities**  
*Dr. Pamela Franklin, U.S. Environmental Protection Agency (USA)*

**Overview and Technology Case Studies in China**  
*Dr. Huang Shengchu, China Coal Information Institute (China)*

15:00 – 15:30

**Directional drilling techniques used in a China degasification project**  
*Frank Hungerford, Valley Longwall (Australia)*

15:30 – 16:00

**Japanese technology to upgrade low-quality CMM using filtration with activated carbon**  
*Etsuo Shito, Gas & Power Investment Co. Ltd (Japan)*

16:00 – 16:30

Refreshment Break – sponsored by **Marubeni**  
**CORPORATION**

**Part 2: Technology Case Studies: Methane capture, processing, and utilization (continued)**

16:30 – 17:00

**Ventilation Air Methane (VAM) Power Plant in Full Operation**  
*Richard Mattus, MEGTEC (Sweden)*

17:00 – 17:30

**VAMCAT demonstration project in China**  
*Hua Guo, CSIRO*

17:30 – 18:00

**Gas Engine Power Generation for CMM/VAM**  
*Yoshinaga Takahashi, Yokohama Dockyards & Machinery Works, Mitsubishi Heavy Industries (MHI) and Hiroaki Hirasawa, Japan Coal Energy Center (Japan)*

**Wrap-up and Discussion**

**18:00 – 19:30 GRAND OPENING RECEPTION IN EXHIBIT HALL**

Sponsored by



## LANDFILL SECTOR– Grand Ballroom AB

14:00 – 14:25

### Welcome and Opening of Landfill Breakout Sessions

*Mr. Xu Haiyun, China Ministry of Construction*

*Dr. Atilio Savino and Mario Lazzeri, Landfill Subcommittee Co-Chairs*

### Opportunities to Advance Landfill Methane Recovery Projects under the Methane to Markets Partnership

*Brian Guzzone, U.S. EPA*

14:25 – 16:00

### SESSION 1: New Developments in Estimating Landfill Methane Recovery

Moderator: Dr. Atilio Savino, Argentina

### Practical Challenges in Producing Carbon Emission Reduction Credits from Landfill Gas Projects in the Developing World

*Steve Hamilton, SCS Energy*

### Landfill Gas Capture: Project Design vs. Actual Performance – Implications on Future Project Development

- **Garbage in Garbage Out – Educating Stakeholders on how to Model and Interpret Landfill Biogas Results**  
*Adrian Loening, Carbon Trade, Ltd.*
- **Evaluation of Landfill Gas Models Using Monitored Recovery from Projects in Latin America, China, and Eastern Europe**  
*Alex Stege, SCS Engineers*
- **Improving Landfill Methane Recovery**  
*Don Augenstein, IEM*

**Marubeni**  
CORPORATION

16:00 – 16:30

Refreshment Break – sponsored by

16:30 – 18:00

### SESSION 2: Technical Perspectives on Transitioning Landfill Gas to Beneficial Use

Moderator: Mario Lazzeri, D'Appolonia S.p.A.

### Communicating Ideal Landfill Operating Conditions for Maximizing LFG Capture and Use

*Peter Ho, EcoSecurities*

### Enhancing Gas Extraction and Pre-treatment for Small to Large Landfills

*Graeme Alford, Landfill Gas and Power*

### Controlled Bioreactor Landfill Program at the Yolo County Central Landfill

*Ramin Yazdani, Yolo County Public Works (California)*

## 18:00 – 19:30 GRAND OPENING RECEPTION IN EXHIBIT HALL

Sponsored by



## Detailed Session Agendas

TUESDAY, 30 OCTOBER 2007

# OIL AND GAS SECTOR – Function Room 4AB

14:00 – 16:00

### SESSION 1: Subsection Plenary

*Chair: Douglas Griffin, Department of Trade and Industry, United Kingdom*

#### Opening Statements

*Chinese Government and Oil and Gas Chairmen*

#### Case Studies:

##### **The Development and Utilization of Natural Gas and its Reduction in CNOOC**

*Shan Tongwen, Chinese National Offshore Oil Company*

##### **Study of Methane Recovery and Utilization in Petroleum Sector**

*Zhang Xingfu, Chinese National Petroleum Company*

##### **Associated Gas Recovery and Utilization Technologies in the Production of Petroleum**

*Lu Benqing, Chinese National Petroleum Company*

##### **Associated Gas Recovery Projects in Shengli Petroleum Field**

*Jiang Chuan Sheng, Shengli Petroleum Bureau of SINOPEC*

##### **Oilfield Flare Gas Recovery Projects in Zhenhai Refinery Factory**

*Chen Jian, Zhenhai Refinery Factory of SINOPEC*

16:00 – 16:30

Refreshment Break – sponsored by



16:30 – 18:00

### SESSION 2: Policy, Regulatory Issues and Climate Change

*Chair: Christopher Frietas, U.S. Department of Energy*

#### **Oil & Gas: Global Market Status and Case Study of Methane Recovery Opportunities in Russia**

*Neil Hirst, International Energy Agency (IEA)*

#### **Kyoto Protocol, CDM, JI and the Carbon Market from A to Z**

*Paul Soffe, EcoSecurities*

#### **Overview of the CDM in the Oil and Gas sector**

*Grant Kirkman, UNFCCC Secretariat*

#### **Roundtable Discussion**

*Andrew Aldridge, Climate Change Capital*

18:00 – 19:30

**Grand Opening Reception in Exhibit Hall**

## 18:00 – 19:30 GRAND OPENING RECEPTION IN EXHIBIT HALL

Sponsored by



## AGRICULTURE SECTOR – Function Room 2ABC

- 08:00 – 09:00      **Registration and Exhibits Open**
- 09:00 – 11:00      **SESSION 3: Country Experiences, Technologies, and National Support for AD Development**  
*Co-Chairs: Michael Chesshire, Director of Greenfinch, Ltd. and Zhao Lixin, Director of Center of Energy and Environment Protection Technology Development of MOA*
- Thailand's Pilot CDM Program for Livestock Waste to Energy**  
*Nat Pinnoi, World Bank*
- India's Emerging Methane to Markets Program**  
*Mahesh Patankar, International Institute for Energy Conservation*
- European Experience**  
*Katrin Pietzsch, German Society for the Sustainable Biogas and Bioenergy Utilization (GERBIO)*
- Anaerobic Digestion Technology in the U.S. Livestock Industry**  
*Kurt Roos, U.S. EPA*
- Strategy on Greenhouse Gas Emission Reduction in China**  
*Dong Hongmin, Professor of the Chinese Academy of Agricultural Sciences*
- Session Discussion**
- 11:00 – 11:30      Break
- 11:30 – 12:30      **SESSION 4: Case Studies: AD in Support of Pollution Control, Rural Development, and Improved Environmental Management**  
*Co-Chairs: Kurt Roos, Team Leader, AgSTAR Program, U.S. EPA and Li Xiujin, Professor of Beijing University of Chemical Technology*
- Farm Location, Access to Technology, and Manure Management Practices - Insights from a Case Study on Pig Production in Central Thailand**  
*Pierre Gerber, Food and Agriculture Organization of the United Nations*
- Rural Energy in China: Opportunities to Promote Health, Development, and Climate**  
*Kirk Smith, Professor, University of California - Berkeley*
- Session Discussion**
- 12:30 – 14:00      Lunch
- 14:00 – 15:30      **SESSION 5: Wide Applications of AD Technologies**  
*Co-Chairs: Jeremy Eppel, Agriculture Subcommittee Co-Chair and Ms. Dong Hongmin, Professor of the Chinese Academy of Agricultural Sciences*
- Technical Aspects and Operating Requirements for Digesters Utilizing Co-Mingled Waste and Centralized Operation in Cold Climates**  
*Heinz-Peter Mang, Beijing Institute of Energy & Environmental Protection*
- Methane from the Animal Protein Industry in Brazil**  
*Hamilton Ida, LOGICarbon*

## Detailed Session Agendas

WEDNESDAY, 31 OCTOBER 2007 (Continued)

### AGRICULTURE SECTOR (Continued) – Function Room ABC

14:00 – 15:30

**SESSION 5: Wide Applications of AD Technologies**

*Co-Chairs: Jeremy Eppel, Agriculture Subcommittee Co-Chair and Ms. Dong Hongmin, Professor of the Chinese Academy of Agricultural Sciences*

**BioFuels: A New Paradigm in Ethanol Production**

*Ted Matthews, E3 Biofuels*

**Current Status and its Potential for Large and Middle-sized Biogas Plant in China**

*Ms. Zhao Lixin, Director of Center of Energy and Environment Protection Technology Development of MOA*

**Improving Biogas Yield of Corn Stalks Through Chemical Pretreatment**

*Mr. Li Xiujin, Professor of Beijing University of Chemical Technology*

**Session Discussion**

15:30 – 16:00

Break

16:00 – 17:00

**SESSION 6: Measurement, Verification, Baseline, and Accounting Issues of Emission Reductions**

*Co-Chairs: Jorge Hilbert, Agriculture Subcommittee and Mr. Deng Guanglian, Director of Biogas Research Institute, MOA*

**Agricultural Biomass in LAC: Measurement and Verification Issues of Emissions Reductions**

*Julie McLaughlin, EcoSecurities*

**Establishing Performance Protocols for Anaerobic Digestion**

*Dr. John H. Martin, Jr., Hall Associates*

**Overview of the CDM in the Agricultural Sector**

*Grant Kirkman, Lead Officer in the UNFCCC CDM Methodologies Unit*

17:00 – 17:30

**SESSION 7: Closing Discussion Panel**

**How Methane to Markets Can Assist in Overcoming Barriers**

*Session Chairs: Jeremy Eppel and Jorge Hilbert, Agriculture Subcommittee Co-Chairs and Dr. Li Jingming, Methane to Markets Subcommittee Representative from China  
Panel Participants include Co-Chairs for each session*

**Closing Remarks and Adjourn Meeting**

*Jeremy Eppel and Jorge Hilbert, Agriculture Subcommittee Co-Chairs*

**18:00 – 19:00 Reception**

## COAL SECTOR – Grand Ballroom D

- 08:00 – 09:00 Registration and Exhibits Open
- 09:00 – 09:30 **SESSION 2: Coal Mine Methane Project Case Studies**  
**Sustainable Energy Development Coal Mine Methane in China: Overview of a 120 MW Coal Mine Methane Cogeneration Power Plant in PR China**  
*Thomas Teo, Electric Power Industry, Caterpillar Asia Pte Ltd (China)*
- 09:30 – 10:00 **Case Study: Green Gas DPB, Czech Republic: Integrated, Large-Scale Mine Gas Management**  
*Roland Mader, Green Gas International (UK)*
- 10:00 – 10:30 **Case Study: CBM/CMM Extraction in the US: A Winning Proposition for Gas and Coal**  
*Mike Onifer, CNX Gas (USA)*
- 10:30 – 11:00 **Coal Mine Gas Utilization with Gas Engines - Case Study: Sasyadko Mine, Ukraine**  
*Gerhard Pirker, GE Energy, Jenbacher Gas Engines*
- 11:00 – 11:30 Break
- SESSION 2 (Continued)**
- 11:30 – 12:00 **Developing the Methane Resources of Ukraine: Ukraine Methane Group CBM/CMM Development Projects**  
*Jon Kelafant, Covalent Energy Corporation (USA)*
- 12:00 – 12:30 **CMM Drainage and Utilization**  
*Neil Butler, Harworth Power (UK)*
- 12:30 – 14:00 Lunch
- 14:00 – 14:30 **Great Potential for CMM Project Development in Henan Province, China**  
*Jiang Guangjie, Henan Province CBM Company*
- SESSION 3: Policy and Finance Issues**  
**Financing CMM Projects and Addressing Project Financing Risks**
- 14:30 – 15:30 **Panel Discussion 1 - Financing CMM Projects: Overcoming Political and Project Risks**  
*Zhao JianPing, World Bank*  
*Anthony Maxwell, Asian Development Bank*  
*Andrew Aldridge, Climate Change Capital (UK)*  
*Greg Dunne, ICECAP Ltd. (UK)*
- 15:30 – 16:00 Break

## Detailed Session Agendas

WEDNESDAY, 31 OCTOBER 2007 (Continued)

### COAL SECTOR (Continued) – Grand Ballroom D

16:00 – 17:30

**SESSION 3 (Continued)**

16:00 – 16:45

**Panel Discussion 2 - UNECE Case Studies: Developing Investment Documents for CMM Projects in the Former Soviet Union and Eastern Europe – Lessons Learned (including question and discussion)**

*Clark Talkington, UNECE*

*Deltcho Vitchev, Renaissance Finance International (UK)*

*Alexander Hoffman, Green Gas International (UK)*

16:45 – 17:30

**Panel Discussion 3 - Roundtable on policy issues affecting CMM development including:**

- Formulation of legal framework for concurrent coal mining and CBM recovery
- Policies in Japan and the effect on the carbon business

*Sri P.R. Mandal, Ministry of Coal (India)*

*Matt Inamuro, Mitsui & Co. Ltd. (Japan)*

*Cameron Davies, Alkane Energy (UK)*

**18:00 – 19:00 Reception**

## LANDFILL SECTOR – Grand Ballroom AB

- 08:00 – 09:00      **Registration and Exhibits Open**
- 09:00 – 11:00      **SESSION 3: Transitioning LFG to Beneficial Use: Technology Developments**  
Moderator: Yuri Mateev, Scientific Engineering Centre “Biomass” Centre, Ukraine
- Appropriate Business Conditions to Utilize Gas from Landfill for Power Generation**  
*Gerhard Pirker, GE Energy*
- An Example of LFG to Truck Fuel in China**  
*Dr. Wei Wang, Tsinghua University*
- Brief Introduction of LFG Utilization Technology**  
*Ma Renxiong, Institute of Engineering Thermophysics, Chinese Academy of Science*
- Combined LFG Utilization at Xiaping Landfill (Shenzhen, China)**  
*Louis Chan, Organic Waste Technologies, Ltd.*
- 11:00 – 11:30      Break
- 11:30 – 12:30      **SESSION 4: Landfill Methane Utilization Projects Lessons Learned**  
Moderator: Gabriel Blanco, Sec. of Environment and Sustainable Development, Argentina
- Dealing with Landfill Fuels: Evaluating Fuel Treatment Options**  
*Michael Devine, Caterpillar Asia Pacific Power System*
- Case Studies from Operational and Planned LFG Projects in M2M Partner Countries**  
*Dr. Markus Francke, Green Gas International, Ltd.*
- Landfill Gas Exploitation for Electricity Production in China**  
*Wen Guo, D’Appolonia S.p.A.*
- 12:30 – 14:00      Lunch
- 14:00 – 15:30      **SESSION 5: Finding Carbon Finance for Landfill Methane Projects**  
Moderator: John Morley, Australian Greenhouse Office
- The Global Carbon Markets to 2012...and Beyond!**  
*Li Xing, ICECAP Ltd.*
- Carbon Finance in the Landfill Sector**  
*Dai Yuran, TFS Energy Solutions*
- Finding Carbon Financing for Landfill Projects**  
*Asian Development Bank Representative*
- 15:30 – 16:00      Break

## Detailed Session Agendas

WENDESDAY, 31 OCTOBER 2007 (Continued)

### LANDFILL SECTOR (Continued) – Grand Ballroom AB

16:00 – 16:30

**SESSION 5 (Continued):**

Moderator: To Be Announced

**A Landfill Operator's Perspective: Developing Landfill Gas Recovery / CDM Projects Internationally**

*Gary Crawford, Veolia Environmental Services*

**LFG Emission Reduction Purchase Agreements (ERPAs) in China, Case Study: Tianjin**

*Charles Peterson, The World Bank*

16:30 – 17:30

**SESSION 6: Bringing Smaller Scale Landfill Biogas Projects to Market**

Moderator: To Be Announced

**Direct Discharge Leachate Evaporators**

*Andy Wang, Shaw LFG Specialties*

**Landfill Biogas Technology Applications at Small Landfills**

*Brian Guzzone, U.S. EPA*

**18:00 – 19:00 Reception**

## OIL AND GAS SECTOR – Function Room 4AB

- 08:00 – 09:00      **Registration and Exhibits Open**
- 09:00 – 11:00      **SESSION 3: Natural Gas Compression and Methane Leak Detection**  
*Chair: Javier Bocanegra, Petróleos Mexicanos (PEMEX)*
- Low Emissions Compression Technologies**  
*Fernando Juarez, PEMEX Gas*
- Directed Inspection & Maintenance with Remote Sensing**  
*Don Robinson, on behalf of U.S. EPA*
- Infrared Leak Detection of Methane Using ThermaCAM GasFindIR**  
*Johan Tegstam and Li Ming, FLIR Systems*
- Remote Sensing - Aerial Leak Detection, and Measurement**  
*Daniel Brake, ITT*
- GOSAT**  
*Kay Ohashi, Nippon Steel and Ministry of the Environment, Japan*
- Methane Emission Measurement Technologies**  
*Dave Picard, Clearstone Engineering*
- 11:00 – 11:30      **Break**
- 11:30 - 12:30      **SESSION 4: Upstream Production: Oil and Gas Wells**  
*Chair: Francesco Presicce, Italian Ministry for the Environment, Land and Sea*
- Gas Well Reduced Emissions Completions, Devon/BP Case Study Experience**  
*Don Robinson, on behalf of U.S. EPA*
- Oil & Condensate Storage Tank Vapor Recovery & Field Gas Gathering**  
*Larry Richards, Hy-Bon Engineering*
- Fugitive Emissions Monitoring in Eni Upstream Oil/Gas Treatment Plants**  
*Maria Mantini, Eni*
- Utilization of Low-Pressure Associated with Petroleum Gas**  
*Dmitry Voevodkin, Camco*
- 12:30 – 14:00      **Lunch**

## Detailed Session Agendas

WEDNESDAY, 31 OCTOBER 2007 (Continued)

### OIL AND GAS SECTOR (Continued) – Function Room 4AB

14:00 – 15:30

**SESSION 5: Processing, Transmission, and Distribution**

*Chair: Eliza Dyakowska, Gas Transmission Operator GAZ-SYSTEM, SA*

**Efficiency in Natural Gas Processing Facilities**

*CNPC*

**Integrity Management: Pipeline Maintenance and Repair and Pipeline  
Pumpdown and Hot Taps**

*Marco Antonio Palomo, PEMEX Gas*

**TransCanada Case Study: Emissions Management System**

*Jim Cormack, TransCanada*

**Implementation of the Project on the Natural Gas Leak Reduction in the Management of  
Main Gas Pipeline Cherkasytransgas**

*Olena Mandra and Natalka Novakivsaka, Cherkasytransgaz*

15:30 – 16:00

Break

16:00 – 17:30

**SESSION 6: Associated Gas Production and Utilization**

*Chair: Kaplan Basniev, Russian Gubkin State University of Oil and Gas*

**Associated Gas Handling Including Gas and CO<sub>2</sub>**

*Research Institute of Oil and Gas, Nizhnevartovsk, West Siberia*

**Associated Gas Utilization**

*Kaplan Basniev, Russian Gubkin State University of Oil and Gas*

**Development of Markets**

*Larry Song, Nexant*

**Reducing Gas Flaring: Total E&P Experience in Africa**

*Henri Ekoulé, Total E&P*

**Unconventional Gas Resources: Well Completions and Production Challenges**

*Margaret Lou, U.S. Department of Energy*

**18:00 – 19:00 Reception**

## PLENARY SESSION – Grand Ballroom D

09:00 – 10:30

### Closing Plenary Session

- *Report from Policy and Technical Sessions – Overview and Outcomes*
  - *Agriculture*
  - *Landfill*
  - *Coal*
  - *Oil & Gas*
- *Outcomes from Steering Committee Meeting*
- *Update from Administrative Support Group*

10:30 – 11:00

Break

## Working Meetings of the Subcommittees

All conference attendees are invited to participate. Agendas for each subcommittee meeting are on subsequent pages.

### Subcommittee Meeting Locations:

Agriculture – Function Room 2ABC

Coal – Grand Ballroom C

Landfill – Grand Ballroom AB

Oil & Gas – Function Room 4AB

## Detailed Session Agendas

THURSDAY, 1 NOVEMBER 2007

# AGRICULTURE SUBCOMMITTEE – Function Room 2ABC

## Working Meetings of the Methane to Markets Partnership

All conference attendees are invited to participate

11:00

### Welcome and Introductions

*Jeremy Eppel and Jorge Hilbert, Agriculture Subcommittee Co-Chairs*

### Actions Arising from Last Subcommittee Meeting

- *Country profiles*
- *Country AD contacts and research institutions*

### Brief Statements and Updates from Country Representatives

- *Short presentation from Vietnam (new Subcommittee member)*
- *Updates on activities from other country representatives*
- *Brief statement on progress being made by country members regarding the present action plan*

12:00 – 13:30

Buffet Style Lunch in Meeting Space

13:30

### Open Discussion Including Project Network members

#### Discussion of Key AD Methodology Issues

- *Development of International Guidance for Characterizing the Environmental Performance of Anaerobic Digestion Systems*
- *Development of an Improved Methodology for Determining Leakage Rates from Anaerobic Digestion Systems*

#### Next Steps and New Activities

- *Discussion of Steering Committee Guidance*
- *Action Plan update*
- *Next meeting location and timing*

### Closing Remarks

*Jeremy Eppel and Jorge Hilbert, Agriculture Subcommittee Co-Chairs*

16:00

Adjournment

## COAL SUBCOMMITTEE – Grand Ballroom C

### Working Meetings of the Methane to Markets Partnership All conference attendees are invited to participate

11:00 – 12:00

#### Welcome and Introductions

##### *Subcommittee Co-Chairs and Vice Chair*

- *Brief introductions of all meeting participants*
- *Adoption of Agenda*
- *Questions for the Administrative Support Group*
- *General updates from Countries regarding activities and feedback from Expo*

Countries expected to participate in this discussion, if present:

- *Australia*
- *China*
- *Germany*
- *India*
- *Italy*
- *Japan*
- *México*
- *Nigeria*
- *Poland*
- *Russia*
- *Ukraine*
- *United Kingdom*
- *United States*
- *United States*
- *Vietnam*

12:00 – 13:30

Working Lunch in Meeting Space

13:30 – 14:00

**Open discussion for Project Network Members regarding outcomes from the Expo and implementing Steering Committee's recommendations**

14:00 – 14:30

#### **Open Discussion cover possible post-Expo activities, including the following**

- Addressing barriers to project implementation
  - Update each country profile, specifically citing project implementation barriers
  - Creation of country specific strategies to increase CMM project development
- Improving communication with Project Network and coal mining industry to solicit broader input for the Partnership
- Capitalizing upon Expo contacts and lessons learned to incorporate more business and financial interests into the Partnership
- Update from UNECE on progress evaluating CMM terminology

14:30 – 15:00

Break

15:00 – 15:45

**Continuation of discussion of post-Expo activities and incorporation into Action Plan**

15:45 – 16:00

**Discussion of possible dates and venues for next Subcommittee Meeting**

## Detailed Session Agendas

THURSDAY, 1 NOVEMBER 2007

# LANDFILL SUBCOMMITTEE – Grand Ballroom AB

## Working Meetings of the Methane to Markets Partnership

All conference attendees are invited to participate

11:00 – 12:00

### **Welcome and Brief Introduction of all Meeting Participants/Review of meeting goal and Adoption of Agenda**

*Subcommittee Co-Chairs*

- Expo Debrief
- Implementing Steering Committee recommendations
- Future direction of the Subcommittee
  - Leadership and Structure
  - Country-specific strategies
- Action Plan items

### **Implementing Steering Committee Recommendations**

*Subcommittee Co-Chairs*

- Expo Debriefing
  - Contributions and representation of the landfill sector
- Discussion of charges to landfill subcommittee

### **Updates from Member countries on Partnership Activities: Part I**

*Landfill Technical Sector Delegates*

- Activities furthering the goals of the partnership
  - Training events, assessment reports, pre-feasibility studies, white papers, updates to bibliography of online landfill methane resources
- Reporting activities for Methane to Markets Partnership-wide Annual Report

Countries expected to participate in this discussion, if present:

- |             |           |                  |
|-------------|-----------|------------------|
| • Argentina | • Germany | • Poland         |
| • Australia | • India   | • Russia         |
| • Brazil    | • Italy   | • Ukraine        |
| • Canada    | • Japan   | • United Kingdom |
| • China     | • Korea   | • United States  |
| • Colombia  | • Mexico  | • Vietnam        |
| • Ecuador   | • Nigeria |                  |

12:00 – 12:45

Working Lunch

*Delegates will retrieve lunch from buffet area and return to the meeting*

## **LANDFILL SUBCOMMITTEE (Continued) – Grand Ballroom AB**

12:45 – 14:30

**Updates from Member Countries on Partnership activities: Part II**  
*Landfill Technical Sector Delegates*

**Update from Project Network on needs from and contributions to the Partnership**  
*Project Network Attendees*

**Future Direction of the Landfill Subcommittee**

*Subcommittee Co-Chairs*

- Committee Leadership
- Establishing a Vice Chair
- Establishing new Committees and roles for participants (Country Delegates and Project Network) - see below for DRAFT committee list for discussion
  - Policy, Rules and Regulations (e.g., track, report, and respond to legislative and regulatory developments that effect landfill biogas)
  - Technical Resources (e.g., white papers and tools such as the landfill database and bibliography, track and report subcommittee progress on reducing landfill methane emissions)
  - Program Committee (e.g., develop agendas, review abstracts, plan exhibits)
  - Training Committee (e.g., develop and schedule training courses, material, faculty)

14:30 – 15:00

Break

15:00 – 16:30

**Future direction of the Landfill Subcommittee (continued)**

*Subcommittee Co-Chairs*

- Developing country-specific strategies
  - Tactics to advance landfill methane projects in M2M Countries (country-specific action plan template)

**Updates on General Action Plan activities**

*Subcommittee Co-Chairs*

- Tracking and gauging subcommittee progress towards reducing emissions of greenhouse gases
- Completed and planned workshops and training for 2007 and 2008
- Status of International Landfill Database  
*Brian Guzzone, U.S. EPA*
  - Country specific data entry procedures

**New Business**

*Subcommittee Co-Chairs*

- Landfill subcommittee meetings in 2008
- Potential Ministerial and Expo in 2009 (M2M at 5 years)

**Summary of Action Items Discussed**

*Amanda Singleton, contractor to ASG*

## Detailed Session Agendas

THURSDAY, 1 NOVEMBER 2007

### OIL AND GAS SUBCOMMITTEE – Function Room 4AB

#### Working Meetings of the Methane to Markets Partnership

All conference attendees are invited to participate

- 11:00 – 11:30      **Welcome and Brief Introduction of Meeting Participants/  
Review of Meeting Goals and Adoption of Agenda**  
*Chairmen Kaplan Basniev (Russia) and Javier Bocanegra (Mexico), and Vice  
Chairman Michael Layer (Canada)*
- Implementing Partnership-wide Steering Committee Recommendations
  - Follow-up from the Expo
  - Discuss Charge to Subcommittee
- 11:30 – 12:00      **Updates from Member Countries on Partnership Activities: Part I**  
*Oil and Gas Technical Sector Delegates*
- Activities furthering Partnership goals (e.g., training events, pre-feasibility studies, white papers)
  - Reporting activities for Methane to Markets Annual Report
- 12:00 – 13:30      Working Lunch: Midday meal will be served buffet style in the hallway outside the meeting space and participants will bring plates back into the meeting room
- 12:45 – 13:30      **Updates from Member Countries on Partnership Activities: Part II**  
*Oil and Gas Technical Sector Delegates*
- 13:30 – 14:00      **Draft Nodal Project Development Tool: Update and Demonstration**  
*Vice-Chair Michael Layer, Environment Canada*
- 14:00 – 14:30      **Strategic Planning**
- Re-opening the Action Plan: what makes sense, what should change?
  - Responding to Steering Committee Charge to Subcommittee
- 14:30 – 15:00      Break
- 15:00 – 15:30      **Strategic Planning (continued)**
- 15:30 – 15:45      **Administrative Issues**
- Next Meeting (when and where?)
  - Communications Mechanisms (i.e., what works best?)
  - Updates to Subcommittee Rosters
- 15:45 – 16:00      **Summary of Action Items discussed at this meeting**