## At-a-Glance Agenda
### TUESDAY, 30 OCTOBER 2007

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Details</th>
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<tbody>
<tr>
<td>08:00 – 09:00</td>
<td>Registration</td>
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<tr>
<td>09:00 – 10:30</td>
<td>Opening Plenary Session – Grand Ballroom ABCD</td>
<td>Conf. Hall ABC</td>
<td>Welcoming remarks from Meeting Hosts, Overview/goals of the Methane to Markets Partnership and Expo and highlighting Accomplishments, Keynote Speech: Importance of Methane Projects in Global Carbon Markets and as a Source of Clean Energy</td>
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<td>10:30 – 11:00</td>
<td>Refreshment Break – sponsored by CarbonTrade</td>
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<tr>
<td>11:00 – 12:30</td>
<td>Plenary Session (Continued)</td>
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<td>Leadership Roundtable and Panel Discussion: Perspectives on Methane Project Development</td>
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<tr>
<td>12:30 – 14:00</td>
<td>Lunch</td>
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<tr>
<td>14:00 – 16:00</td>
<td>Session 1</td>
<td>Function Room 2ABC, Grand Ballroom D, Grand Ballroom AB, Function Room 4AB</td>
<td>Agriculture Break Out, Coal Break Out, Landfill Break Out, Oil &amp; Gas Break Out</td>
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<td>Introduction, Keynote Address, Overview of CMM Opportunities and Advances in Projects, Welcome and Opening, New Developments in Estimating Landfill Methane Recovery, Technology Case Studies: Methane Capture, Processing, and Utilization, Technical Perspectives on Transitioning Landfill Gas to Beneficial Use</td>
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<td>16:00 – 16:30</td>
<td>Refreshment Break – sponsored by Marubeni Corporation</td>
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<tr>
<td>16:30 – 18:00</td>
<td>Session 2</td>
<td>Function Room 2ABC, Grand Ballroom D, Grand Ballroom AB, Function Room 4AB</td>
<td>Agriculture Break Out, Coal Break Out, Landfill Break Out, Oil &amp; Gas Break Out</td>
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<td>Working with International Partners to Promote Project Development, Technology Case Studies: Methane Capture, Processing, and Utilization, Technical Perspectives on Transitioning Landfill Gas to Beneficial Use, Policy, Regulatory Issues, &amp; Climate Change</td>
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<tr>
<td>18:00 – 19:30</td>
<td>Grand Opening Reception in Exhibit Hall – sponsored by Coal India</td>
<td>Conf. Hall ABC</td>
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</table>
## At-a-Glance Agenda
### WEDNESDAY, 31 OCTOBER 2007

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>08:00 – 09:00</td>
<td>Registration</td>
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<tr>
<td>09:00 – 11:00</td>
<td><strong>Session 3</strong>&lt;br&gt;<strong>Agriculture Break Out</strong>&lt;br&gt;Function Room 2ABC&lt;br&gt;Country Experiences, Technologies, and National Support for AD Development&lt;br&gt;<strong>Coal Break Out</strong>&lt;br&gt;Grand Ballroom D&lt;br&gt;Project Case Studies&lt;br&gt;- China&lt;br&gt;- Australia&lt;br&gt;- USA&lt;br&gt;- Ukraine&lt;br&gt;- Russia&lt;br&gt;- U.K.&lt;br&gt;<strong>Landfill Break Out</strong>&lt;br&gt;Grand Ballroom AB&lt;br&gt;Transitioning LFG to Beneficial Use: Technology Developments&lt;br&gt;<strong>Oil &amp; Gas Break Out</strong>&lt;br&gt;Function Room 4AB&lt;br&gt;Natural Gas Compression &amp; Methane Leak Detection&lt;br&gt;<strong>Steering Committee</strong>&lt;br&gt;Grand Ballroom C&lt;br&gt;Open to Steering Committee Delegates only&lt;br&gt;<strong>Exhibits Open</strong>&lt;br&gt;Conf. Hall ABC</td>
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<td>11:00 – 11:30</td>
<td>Break</td>
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<td>11:30 – 12:30</td>
<td><strong>Session 4</strong>&lt;br&gt;<strong>Agriculture Break Out</strong>&lt;br&gt;Function Room 2ABC&lt;br&gt;Case Studies: AD in Support of Pollution Control, Rural Development, and Improved Environmental Management&lt;br&gt;<strong>Coal Break Out</strong>&lt;br&gt;Grand Ballroom D&lt;br&gt;Project Case Studies&lt;br&gt;- China&lt;br&gt;- Australia&lt;br&gt;- USA&lt;br&gt;- Ukraine&lt;br&gt;- Russia&lt;br&gt;- U.K.&lt;br&gt;<strong>Landfill Break Out</strong>&lt;br&gt;Grand Ballroom AB&lt;br&gt;Landfill Methane Utilization Projects Lessons Learned&lt;br&gt;<strong>Oil &amp; Gas Break Out</strong>&lt;br&gt;Function Room 4AB&lt;br&gt;Upstream Production: Oil and Gas Wells&lt;br&gt;<strong>Steering Committee</strong>&lt;br&gt;Grand Ballroom C&lt;br&gt;Open to Steering Committee Delegates only&lt;br&gt;<strong>Exhibits Open</strong>&lt;br&gt;Conf. Hall ABC</td>
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<td>12:30 – 14:00</td>
<td>Lunch</td>
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<td>14:00 – 15:30</td>
<td><strong>Session 5</strong>&lt;br&gt;<strong>Agriculture Break Out</strong>&lt;br&gt;Function Room 2ABC&lt;br&gt;Integration of Appropriate AD Technologies into Bioenergy Systems&lt;br&gt;<strong>Coal Break Out</strong>&lt;br&gt;Grand Ballroom D&lt;br&gt;Financing CMM Projects and Addressing Project Financing Risks&lt;br&gt;<strong>Landfill Break Out</strong>&lt;br&gt;Grand Ballroom AB&lt;br&gt;Finding Carbon Finance for Landfill Methane Projects&lt;br&gt;<strong>Oil &amp; Gas Break Out</strong>&lt;br&gt;Function Room 4AB&lt;br&gt;Processing, Transmission and Distribution&lt;br&gt;<strong>Steering Committee</strong>&lt;br&gt;Grand Ballroom C&lt;br&gt;Open to Steering Committee Delegates only&lt;br&gt;<strong>Exhibits Open</strong>&lt;br&gt;Conf. Hall ABC</td>
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<td>15:30 – 16:00</td>
<td>Break</td>
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<tr>
<td>16:00 – 17:30</td>
<td><strong>Session 6</strong>&lt;br&gt;<strong>Agriculture Break Out</strong>&lt;br&gt;Function Room 2ABC&lt;br&gt;Measurement, Verification, Baseline, and Accounting Issues of Emission Reductions&lt;br&gt;Closing Discussion Panel: How Methane to Markets Can Assist in Overcoming Barriers&lt;br&gt;<strong>Coal Break Out</strong>&lt;br&gt;Grand Ballroom D&lt;br&gt;Policy Issues Roundtable&lt;br&gt;Closing Remarks Questions and Discussion&lt;br&gt;<strong>Landfill Break Out</strong>&lt;br&gt;Grand Ballroom AB&lt;br&gt;Finding Carbon Finance for Landfill Methane Projects&lt;br&gt;Bringing Smaller Scale LFG Projects to Market&lt;br&gt;<strong>Oil &amp; Gas Break Out</strong>&lt;br&gt;Function Room 4AB&lt;br&gt;Associated Gas Production &amp; Utilization&lt;br&gt;<strong>Steering Committee</strong>&lt;br&gt;Grand Ballroom C&lt;br&gt;Open to Steering Committee Delegates only&lt;br&gt;<strong>Exhibits Open</strong>&lt;br&gt;Conf. Hall ABC</td>
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<tr>
<td>17:30 – 18:00</td>
<td>Press Event</td>
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<td>18:00 – 19:00</td>
<td>Reception Outside Exhibit Hall</td>
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### Working Meetings of the Methane to Markets Partnership

All conference attendees are invited to participate

<table>
<thead>
<tr>
<th>Time</th>
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| 09:00 – 10:30 | **Plenary Session** – Grand Ballroom D  
• Report from Policy and Technical Sessions – Overview and Outcomes  
  o Agriculture  
  o Landfill  
  o Coal  
  o Oil & Gas  
• Outcomes from Steering Committee Meeting  
• Update from Administrative Support Group |
| 10:30 – 11:00 | Break                                                                   |
| 11:00 – 12:00 | Agriculture Subcommittee  
Function Room 2ABC  
Coal Subcommittee  
Grand Ballroom C  
Landfill Subcommittee  
Grand Ballroom AB  
Oil & Gas Subcommittee  
Function Room 4AB |
| 12:00 – 13:30 | Lunch                                                                   |
| 13:30 – 14:30 | Agriculture Subcommittee  
Function Room 2ABC  
Coal Subcommittee  
Grand Ballroom C  
Landfill Subcommittee  
Grand Ballroom AB  
Oil & Gas Subcommittee  
Function Room 4AB |
| 14:30 – 15:00 | Break                                                                   |
| 15:00 – 16:00 | Agriculture Subcommittee  
Function Room 2ABC  
Coal Subcommittee  
Grand Ballroom C  
Landfill Subcommittee  
Grand Ballroom AB  
Oil & Gas Subcommittee  
Function Room 4AB |
| 16:00      | Adjourn                                                                 |
Detailed Session Agendas
TUESDAY, 30 OCTOBER

PLENARY SESSION – Grand Ballroom ABCD

08:00 – 09:00  Registration

09:00 – 10:30  OPENING SESSION

Opening Remarks from China’s National Development and Reform Commission (NDRC)
Minister Xie Zhenhua, Vice Chairman, NDRC

Opening Remarks from the United States Ambassador to China.
Clark T. Randt, Jr., Ambassador to China

Remarks on Coal Mine Methane Experience in China
Minister Liang Jiakun, SAWS

Recent Accomplishments of the Methane to Markets Partnership
John Beale, Deputy Assistant Administrator, U.S. Environmental Protection Agency (U.S. EPA) and Chair of the Partnership Steering Committee

Importance of Methane Projects in Global Carbon Markets and as a Source of Clean Energy
Bindu Lohani, Vice-President, Asian Development Bank

10:30 – 11:00  Refreshment Break – sponsored by CarbonTrade

11:00 – 12:30  Leadership Round Table: Perspectives on Methane Project Development
Moderator: Neil Hirst, Director, International Energy Agency (IEA)
Panelists:
– Cameron Davies, Chief Executive, Alkane Ltd.
– Steve Zou, President and CEO, Asian American Gas, Inc.
– Rich Lavin, Senior Vice President, Caterpillar
– He Tian-cai, Chief Engineer, Jincheng Anthracite Coal Mining Company
– Ajit Kumar Hazarika, Director, Oil and Natural Gas Corporation of India (ONGC)
– Gary Crawford, Vice President, Veolia Environmental Services

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 Marubeni Corporation

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*


*Li Junfeng, REEEP*

**Session Discussion**

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

Sponsored by Coal India
### Detailed Session Agendas

**TUESDAY, 30 OCTOBER 2007**

**COAL SECTOR – Grand Ballroom D**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 14:00 – 14:10 | Welcome and Introduction  
Coal Subcommittee Co-Chairs |
| 14:10 – 15:00 | **SESSION 1: Coal Mine Methane Projects and Technologies**  
Part 1: Overview and Technology Case Studies  
*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** |
| 16:30 – 17:00 | **Part 2: Technology Case Studies: Methane capture, processing, and utilization** (continued)  
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 **Coal India**
Detailed Session Agendas
TUESDAY, 30 OCTOBER 2007

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

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
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

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<tr>
<td>14:00 – 15:30</td>
<td><strong>SESSION 5: Wide Applications of AD Technologies</strong>&lt;br&gt;Co-Chairs: Jeremy Eppel, Agriculture Subcommittee Co-Chair and Ms. Dong Hongmin, Professor of the Chinese Academy of Agricultural Sciences</td>
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<td><strong>BioFuels: A New Paradigm in Ethanol Production</strong>&lt;br&gt;Ted Matthews, E3 Biofuels</td>
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<td><strong>Current Status and its Potential for Large and Middle-sized Biogas Plant in China</strong>&lt;br&gt;Ms. Zhao Lixin, Director of Center of Energy and Environment Protection Technology Development of MOA</td>
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<td><strong>Improving Biogas Yield of Corn Stalks Through Chemical Pretreatment</strong>&lt;br&gt;Mr. Li Xiujin, Professor of Beijing University of Chemical Technology</td>
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<td><strong>Session Discussion</strong></td>
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<td>15:30 – 16:00</td>
<td>Break</td>
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<td>16:00 – 17:00</td>
<td><strong>SESSION 6: Measurement, Verification, Baseline, and Accounting Issues of Emission Reductions</strong>&lt;br&gt;Co-Chairs: Jorge Hilbert, Agriculture Subcommittee and Mr. Deng Guanglian, Director of Biogas Research Institute, MOA</td>
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<td><strong>Agricultural Biomass in LAC: Measurement and Verification Issues of Emissions Reductions</strong>&lt;br&gt;Julie McLaughlin, EcoSecurities</td>
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<td><strong>Establishing Performance Protocols for Anaerobic Digestion</strong>&lt;br&gt;Dr. John H. Martin, Jr., Hall Associates</td>
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<td><strong>Overview of the CDM in the Agricultural Sector</strong>&lt;br&gt;Grant Kirkman, Lead Officer in the UNFCCC CDM Methodologies Unit</td>
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<td>17:00 – 17:30</td>
<td><strong>SESSION 7: Closing Discussion Panel</strong>&lt;br&gt;How Methane to Markets Can Assist in Overcoming Barriers&lt;br&gt;Session Chairs: Jeremy Eppel and Jorge Hilbert, Agriculture Subcommittee Co-Chairs and Dr. Li Jingming, Methane to Markets Subcommittee Representative from China&lt;br&gt;Panel Participants include Co-Chairs for each session</td>
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<td><strong>Closing Remarks and Adjourn Meeting</strong>&lt;br&gt;Jeremy Eppel and Jorge Hilbert, Agriculture Subcommittee Co-Chairs</td>
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<td><strong>18:00 – 19:00 Reception</strong></td>
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**AGRICulture SECTOR (Continued)** – Function Room ABC
Session Agenda

**08:00 – 09:00**
Registration and Exhibits Open

**SESSION 2: Coal Mine Methane Project Case Studies**

**09:00 – 09:30**
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

**Panel Discussion 1 - Financing CMM Projects: Overcoming Political and Project Risks**

**14:30 – 15:30**
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
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<tr>
<td>16:00 – 17:30</td>
<td>SESSION 3 (Continued)</td>
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| 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**
<table>
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<tr>
<td>08:00 – 09:00</td>
<td>Registration and Exhibits Open</td>
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<tr>
<td>09:00 – 11:00</td>
<td><strong>SESSION 3: Transitioning LFG to Beneficial Use: Technology Developments</strong>&lt;br&gt;Moderator: Yuri Mateev, Scientific Engineering Centre “Biomass” Centre, Ukraine&lt;br&gt;&lt;br&gt;Appropriate Business Conditions to Utilize Gas from Landfill for Power Generation&lt;br&gt;Gerhard Pirker, GE Energy&lt;br&gt;&lt;br&gt;An Example of LFG to Truck Fuel in China&lt;br&gt;Dr. Wei Wang, Tsinghua University&lt;br&gt;&lt;br&gt;Brief Introduction of LFG Utilization Technology&lt;br&gt;Ma Renxiong, Institute of Engineering Thermophysics, Chinese Academy of Science&lt;br&gt;&lt;br&gt;Combined LFG Utilization at Xiaping Landfill (Shenzhen, China)&lt;br&gt;Louis Chan, Organic Waste Technologies, Ltd.</td>
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<td>11:00 – 11:30</td>
<td>Break</td>
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<tr>
<td>11:30 – 12:30</td>
<td><strong>SESSION 4: Landfill Methane Utilization Projects Lessons Learned</strong>&lt;br&gt;Moderator: Gabriel Blanco, Sec. of Environment and Sustainable Development, Argentina&lt;br&gt;&lt;br&gt;Dealing with Landfill Fuels: Evaluating Fuel Treatment Options&lt;br&gt;Michael Devine, Caterpillar Asia Pacific Power System&lt;br&gt;&lt;br&gt;Case Studies from Operational and Planned LFG Projects in M2M Partner Countries&lt;br&gt;Dr. Markus Francke, Green Gas International, Ltd.</td>
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<tr>
<td>12:30 – 14:00</td>
<td>Lunch</td>
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<td>14:00 – 15:30</td>
<td><strong>SESSION 5: Finding Carbon Finance for Landfill Methane Projects</strong>&lt;br&gt;Moderator: John Morley, Australian Greenhouse Office&lt;br&gt;&lt;br&gt;The Global Carbon Markets to 2012…and Beyond!&lt;br&gt;Li Xing, ICECAP Ltd.&lt;br&gt;&lt;br&gt;Carbon Finance in the Landfill Sector&lt;br&gt;Dai Yuran, TFS Energy Solutions&lt;br&gt;&lt;br&gt;Finding Carbon Financing for Landfill Projects&lt;br&gt;Asian Development Bank Representative</td>
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<td>15:30 – 16:00</td>
<td>Break</td>
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**Detailed Session Agendas**  
**WEDNESDAY, 31 OCTOBER 2007 (Continued)**

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 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**
Detailed Session Agendas
WEDNESDAY, 31 OCTOBER 2007

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
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 CO₂**

*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**
Detailed Session Agendas
THURSDAY, 1 NOVEMBER 2007

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
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
Detailed Session Agendas
THURSDAY, 1 NOVEMBER 2007

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
1. Brief introductions of all meeting participants
2. Adoption of Agenda
3. Questions for the Administrative Support Group
4. 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
1. Addressing barriers to project implementation
   - Update each country profile, specifically citing project implementation barriers
   - Creation of country specific strategies to increase CMM project development
2. Improving communication with Project Network and coal mining industry to solicit broader input for the Partnership
3. Capitalizing upon Expo contacts and lessons learned to incorporate more business and financial interests into the Partnership
4. 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
  o Leadership and Structure
  o Country-specific strategies
• Action Plan items

Implementing Steering Committee Recommendations
Subcommittee Co-Chairs
• Expo Debriefing
  o 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
  o 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
• Australia
• Brazil
• Canada
• China
• Colombia
• Ecuador
• Germany
• India
• Italy
• Japan
• Korea
• Mexico
• Nigeria
• Poland
• Russia
• Ukraine
• United Kingdom
• United States
• Vietnam

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 affect 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