



Methane to Markets Partnership Meeting
CINTERMEX
Monterrey, Mexico
27 –29 January 2009

TUESDAY, 27 JANUARY 2009					
08:00 – 16:00	Agriculture Site Tour - will depart from the main CINTERMEX entrance at 08:30	Coal SiteTour will depart from the main CINTERMEX entrance at 06:00 and returns at 21:00	Landfill Site Tour will depart from the main CINTERMEX entrance at 08:00	Oil & Gas Site Tour will depart from the main CINTERMEX entrance at 08:30	Steering Committee Meeting 16:00 – 19:00 at CINTERMEX MONTERREY 400 ROOM
WEDNESDAY, 28 JANUARY 2009					
08:30 – 09:00	Registration at CINTERMEX				
PLENARY SESSION – CANADA ROOM					
09:00 – 09:15	Welcome – Mr. José Natividad González Parás, State Governor of Nuevo León, México				
09:15 – 09:30	Methane to Markets Partnership – Ms. Dina Kruger, Division Director, Climate Change Division, US EPA				
09:30 – 09:45	Methane to Markets in México – Mrs. Sandra Herrera Flores, Undersecretary for Environmental Regulation, México				
09:45 – 10:00	Formal Opening – Mr. Juan R. Elvira Quesada, Minister of the Environment and Natural Resources, México				
KEY NOTE SPEAKERS					
10:05 – 10:35	The Challenge of Climate Change – Dr. Mario Molina Enriquez				
10:35 – 11:00	The Urgency of Methane Reduction: The Arctic Drama – Mr. Rafe Pomerance, President, Clean Air Cool Planet				
11:00 – 11:25	International Perspective – Dr. Fernando Tudela Abad, Undersecretary for Environmental Planning and Policy, México				
11:25 – 11:40	Mexico’s Climate Change Special Programme – Dr. Juan C. Mata Sandoval, Deputy Director for Climate Change Policies				
11:40 – 11:55	Coffee Break and change to break out rooms				
TECHNICAL SESSIONS					
12:00 – 13:30	Agriculture Technical Sessions EUROPA ROOM (Agenda on Page 3)	Coal Technical Sessions AFRICA/ASIA ROOM (Agenda on Page 5)	Landfill Technical Sessions CANADA ROOM (Agenda on Page 6)	Oil and Gas Technical Sessions AMERICA ROOM (Agenda on Page 7)	Steering Committee Meeting MONTERREY 400 ROO
13:30 – 14:30	Lunch – MEXICO ROOM				Subcommittee Chairs report to Steering Committee

14:00 – 18:30	Agriculture Technical Sessions EUROPA ROOM (Agenda on Page 3)	Coal Technical Sessions AFRICA/ASIA ROOM (Agenda on Page 5)	Landfill Technical Sessions CANADA ROOM (Agenda on Page 6)	Oil and Gas Technical Sessions AMERICA ROOM (Agenda on Page 7)	Steering Committee Meeting MONTERREY 400 ROOM
19:00	Off site dinner event – Transportation will be provided from the Holiday Inn and Gran Hotel Ancira				
Thursday, 29 January 2009					
08:30 – 09:00	Exhibit Hall Open				
09:00 – 10:45	Plenary Session – Steering Committee Report Out and Administrative Support Group Update – CANADA ROOM				
10:45 – 11:00	Coffee Break and change to break out rooms				
11:00 – 17:00	Agriculture Subcommittee Meeting & Working Lunch EUROPA ROOM (Agenda on Page 9)	Coal Subcommittee Meeting & Working Lunch AFRICA/ASIA ROOM (Agenda on Page 11)	Landfill Subcommittee Meeting & Working Lunch CANADA ROOM (Agenda on Page 13)	Oil & Gas Subcommittee Meeting & Working Lunch AMERICA ROOM (Agenda on Page 15)	
17:00	Adjourn				

**Agriculture Technology Transfer Workshop:
Developing Anaerobic Digester Projects from Livestock and Food Processing Wastes**

AGENDA

Wednesday, 28 January 2009

- 08:30 – 09:00 Registration
- 09:00 – 11:40 Welcome and Opening Plenary Session for the M2M Meeting
- 11:40 – 11:55 Coffee Break
- 12:00 – 12:15 Welcome and Overview of Agriculture Workshop – **EUROPA ROOM**
Co-Chairs

Session I: *Technical Considerations for digestion of agri-food wastes and project identification*

- 12:15 – 12:40 Physical, Chemical, and Biological Properties and Impacts on Gas Production
Kurt Roos, AgSTAR
- 12:40 – 13:05 Preliminary results of country resource assessments (Philippines, India, or Argentina)
Miguel Franco, PA Consultants
- 13:05 – 13:30 CDM Methodologies for calculating GHG reductions from co-mingled and non-manure waste in AD systems
Zarina Azzizova, World Bank
- 13:30 – 14:30 Lunch
[Note: Co-Chairs to attend Steering Committee during lunch to report on progress]

Session 2: *AD Systems in Europe*

- 14:30 – 15:00 *Co-digestion: The European Experience*
Heinz-Peter Mang, German Biogas and Bioenergy Society
- 15:00 – 15:30 The UK Experience with Food Waste and AD.
Nina Sweet, Waste & Resources Action Programme
- 15:30 – 16:00 Coffee Break

Session 3: Project Case Studies

- 16:00 – 16:30 AD projects using Palm Oil as a substrate
Dennis Shanklin, Environmental Fabrics Inc.
- 16:30 – 17:00 Sugar Cane Processing Waste Project in the Philippines
Zarina Aziziova, World Bank
- 17:00 – 17:30 Recovering Methane from Slaughterhouse Wastes in Colombia
Carlos Torro, Centro Nacional de Producción Más Limpia y Tecnologías Ambientales
- 17:30 – 18:00 An AD system in a juice processing plant in Mexico
Alejandro Romay, JUMEX
- 18:00 – 18:10 Final Q&A
- 18:10 – 18:15 Closing Remarks

[Back to Top](#)



AGENDA

Wednesday, 28 January 2009

- | | |
|---------------|--|
| 08:30 – 09:00 | Registration |
| 09:00 – 11:40 | Opening Plenary Session |
| 11:40 – 11:55 | Coffee break |
| 12:00 – 12:10 | Coal Workshop Begins – AFRICA/ASIA ROOM |
| 12:10 – 12:40 | Introduction <ul style="list-style-type: none">• Oscar Roldán Flores, Deputy Director for Exploration and Production, Secretariat of Energy• Alejandro Alarcón Garza, General Director of Mining Promotion, Economy Secretariat• Olga Briseño Senosiain, Director for Mining, Secretariat of the Environment and Natural Resources |
| 12:40 – 12:50 | Opportunity for Coal Mine Methane Projects in Coahuila State
<i>Jorge Alanís Canales, Coahuila State Secretary for Economic Promotion</i> |
| 12:50 – 13:30 | Experiences and Plans for CMM Project at Mexican Coal Mines
<i>Lorenzo Gonzalez Merla, Manager, Environmental Affairs, Minerales Monclova (MIMOSA)</i> |
| 13:30 – 14:30 | Lunch
<i>Subcommittee co-chairs provide report-outs to Steering Committee</i> |
| 14:30 – 15:15 | Coal Mine Methane Drainage Strategies for the Sabinas Coal Basin
<i>Jeff Schwoebel, Resource Enterprises Inc.</i> |
| 15:15 – 16:00 | Case Study: Feasibility Study of LNG and Power Generation at Songzao Coal Mines, Chongqing, China
<i>Ray Pilcher, Raven Ridge Resources</i> |
| 16:00 – 16:30 | Coffee Break |
| 16:30 – 17:15 | Case Study: Long-Term Abandoned Mine Methane Recovery Operation in the United States
<i>Ronald Collings, Ruby Canyon Engineering</i> |
| 17:15 – 18:00 | Mitigation of Ventilation Air Methane and Generation of Carbon Credits: Case Study in the United States
<i>Nicolas Duplessis, Biothermica</i> |
| 18:00 | Adjourn |

[Back to Top](#)

**Landfill Technology Transfer Workshop:
A Workshop on Barriers to Project Development and Landfill Biogas Project Successes**

AGENDA

Wednesday, 28 January 2009

- | | |
|---------------|--|
| 08:30 – 09:00 | Registration |
| 09:00 – 11:40 | Welcome and Opening Plenary Session for the Methane to Markets Meeting |
| 11:40 – 11:55 | Coffee Break |
| 12:00 – 12:10 | Landfill Gas Workshop Welcome – CANADA ROOM |
| 12:10 – 12:50 | How to convert a Landfill into an Energy Cluster - A Case Study from Juarez Mexico
Robert Langlois and Ing. Daniel Galvan, <i>Smart Soil Technology</i> |
| 12:50 – 13:30 | Using Landfill Biogas to fuel a Pyrolytic Furnace for Medical Waste in Argentina
Estela Santalla, Universidad Nacional del Centro de la Provincia de Buenos Aires |
| 13:30 – 1430 | Lunch |
| 14:30 – 15:00 | Landfill Biogas Recovery at Aguascalientes, Monterrey and León Landfills
<i>José Padilla Olvera, SIMEPRODE</i> |
| 1500 – 1545 | Managing Leachate to Achieve Project Success at Gonzalez Catan Landfill in Argentina
<i>Duncan Miller, CRA World</i> |
| 1545 – 1615 | Coffee Break |
| 1615 – 1645 | SEMARNAT - Recovery and Use of Methane as a Clean Energy Source
<i>Cesar Chavez, SEMARNAT</i> |
| 1645 – 1745 | Landfill Gas Modeling Panel on LMOP Mexico and China Models
Alex Stege, SCS Engineers and Bryce Lloyd, OWT |
| 1745 – 1800 | Q&A and Closing Remarks |

[Back to Top](#)

Oil and Gas Technology Transfer Workshop

AGENDA

Wednesday, 28 January 2009

- 08:30 – 09:00 Registration
- 09:00 – 11:40 Methane to Markets Opening Plenary Session
- 11:40 – 11:55 Coffee Break and Breakout to Oil & Gas Technical Session
- 12:00 – 12:15 Oil & Gas Technology Transfer Workshop Welcome – **AMERICA ROOM**
PEMEX
- 12:15 – 12:30 Methane to Markets Partnership and the
Natural Gas STAR International Program
Carey Bylin, US EPA
- 12:30 – 13:00 Reducing Methane Emissions from Production Wells: Reduced Emission
Completions in Gas Wells; Smart Automation of Gas Well Plunger Lifts
Don Robinson, ICF Consulting
- 13:00 – 13:30 Production and Processing Best Practices: Optimization of Glycol
Dehydrators and Pneumatic Controller Methane Emissions Reduction
Opportunities
Jorge Alberto Plauchú, PA Consulting Group
- 13:30 – 14:30 Lunch
- 14:30 – 15:15 Directed Inspection and Maintenance (DI&M): Techniques & Technologies
for Identifying, Quantifying and Repairing Fugitive Emissions (Production,
Processing, Transmission)
Don Robinson, ICF International
- 15:15 – 16:00 Methane Emissions Reductions through Vapor Recovery from Oil and
Condensate Storage and Holding Tanks
Larry Richards, Hy-Bon Engineering
- 16:00 – 16:15 Coffee Break
- 16:15 – 16:45 Reducing Emissions from Reciprocating and Centrifugal Compressors
Jorge Alberto Plauchú, PA Consulting Group
Corporate Experience: PEMEX Gas Personnel
- 16:45 – 17:05 Reducing Emissions from Natural Gas Transmission Pipelines:
Using Hot Taps and Pipeline Pumpdown Techniques
Don Robinson, ICF International

- 17:05 – 17:25 Gas Pipeline Methane Emissions Leak Detection, Measurement and Mitigation - Directed Inspection and Maintenance – Case Study
PEMEX Gas Staff
- 17:25 – 18:15 Financing Oil and Gas Sector Methane Emissions Reduction Projects through Carbon Markets
Francisco Sucre, Global Gas Flaring Reduction Partnership, World Bank
Jorge Alberto Plauchú, PA Consulting Group
- 18:15 – 18:30 Final Q&A and Closing Remarks
PEMEX and US EPA

[Back to Top](#)

Agriculture Subcommittee Meeting

AGENDA

Thursday, 29 January 2009

- | | |
|---------------|--|
| 08:30 – 10:45 | <p>Morning Plenary Session</p> <ul style="list-style-type: none"> • Steering Committee Report Out and Charge to Subcommittees • ASG Update |
| 10:45 – 11:00 | Coffee Break |
| 11:00 – 11:15 | <p>Welcome – EUROPA ROOM
 <i>Agriculture Subcommittee Co-Chairs Jeremy Eppel (U.K.) and Jorge Hilbert (Argentina)</i></p> <ul style="list-style-type: none"> • Brief Introduction of Meeting Participants • Review Minutes from the May 2008 Subcommittee Meeting • Review of Meeting Goals, and Adoption of Agenda |
| 11:15 – 11:45 | <p>Agriculture Country Updates (5 minutes each)</p> <ul style="list-style-type: none"> • Discussion of country activities furthering Partnership goals, include update on progress implementing country-specific strategy • Include update on projects showcased at the Beijing Expo. I.e. whether those projects have been funded or are being built. |
| 11:45 – 12:00 | <p>Update from Project Network Members</p> <ul style="list-style-type: none"> • Project Network member are invited to give a brief (2-3 minute) overview of their organizations work in promoting AD specifically focusing on new developments and highlighting opportunities for M2M to promote AD projects. |
| 12:00 – 12:30 | <p>Agricultural Sources of Methane Beyond Manure (Enteric Fermentation, Rice Cultivation)
 <i>Subcommittee Co-Chairs/Administrative Support Group (ASG)</i></p> <ul style="list-style-type: none"> • Discussion of ASG research • Review of Steering Committee decision |
| 12:30 – 13:45 | Lunch: Participants will bring lunch back into the meeting room for a working lunch. |
| 13:45 – 14:30 | <p>International Protocol for Anaerobic Digestion
 <i>U.S. EPA</i></p> <ul style="list-style-type: none"> • Short presentation and overview of the purpose of the Protocol • Status of Protocol Development • Discussion of proposed international protocol and next steps |
| 14:30 – 14:45 | <p>Anaerobic Digestion Systems Leakage Rate Methodology Improvement
 <i>U.S. EPA</i></p> <ul style="list-style-type: none"> • Discussion of leakage rate methodology • Review of U.S. EPA literature review |
| 14:45 – 15:15 | Coffee Break |

- 15:15 – 15:45 Partnership Expo Discussion
ASG
- Goals of Partnership Expo
 - Discussion of what worked and what did not for Agriculture sector at Beijing Expo
 - Target companies and individuals of interest that the Subcommittee should reach out to
 - Discussion of draft technical program
 - Discussion of technologies and projects to showcase
 - **Action items:** Each member country to identify at least one company/individual of interest that the Subcommittee should contact to attend the Partnership Expo and a minimum of one technology and/or project to showcase at the Partnership Expo.
- 15:45 – 16:00 Administrative Issues
Subcommittee Co-Chairs
- Next meeting
 - Updates to Subcommittee rosters
- 16:00 – 16:30 Summary of Action Items Discussed at this Meeting
ASG
- Meeting action items
 - Specific tasks that meeting participants agree to accomplish and report on at the next meeting
 - Discussion of possible agenda topics for the next Subcommittee meeting
- 16:30 Adjourn
Subcommittee Co-Chairs

[Back to Top](#)

Coal Subcommittee Meeting

AGENDA

Thursday, 29 January 2009

- | | |
|---------------|---|
| 09:00 – 10:45 | <p>Morning Plenary Session</p> <ul style="list-style-type: none"> • Steering Committee Report Out and Charge to Subcommittees • Report from the Administrative Support Group (ASG) <ul style="list-style-type: none"> • Provide a general progress report/status update on overall ASG activities • Discuss Methane to Markets Partnership-wide accomplishments report and need for Subcommittee involvement • Discuss proposed strategy for increased Project Network engagement and acknowledgement • Reinforce Steering Committee decision on plans for next Partnership Expo |
| 10:45 – 11:00 | Coffee Break and change to break out rooms |
| 11:00 – 11:30 | <p>Welcome – AFRICA/ASIA ROOM</p> <p>Brief Introduction of Meeting Participants</p> <p>Review of Meeting Goals / Brief Re-cap of April 2008 Meeting</p> <p>Adoption of Agenda</p> <p><i>Co-Chair Pamela Franklin (USA), Co-Chair A.K. Singh (India), Acting Vice-Chair Zhao Guoquan (China)</i></p> |
| 11:30 – 12:30 | <p>2010 Partnership Expo</p> <p><i>ASG, Co-Chairs, Vice Chair</i></p> <ul style="list-style-type: none"> • Updates on projects showcased in Beijing at 2007 Expo • Goals of 2010 Partnership Expo • Discussion of draft technical program • Discussion of technologies, case studies, and project opportunities to showcase • Discussion of strategy for outreach: Target companies and individuals of interest that the Subcommittee should reach out to |
| 12:30 – 13:45 | Working lunch in meeting room |
| 13:00 – 14:45 | <p>Brief update on CMM activities in Ukraine</p> <p><i>Meredydd Evans, Pacific Northwest Laboratory</i></p> <p>Coal Subcommittee Delegates Updates (5 minutes each) and Discussion</p> <ul style="list-style-type: none"> • Status of country-specific strategies • Updates on new developments and activities furthering Partnership goals (e.g., working with trade associations, training events, pre-feasibility studies, white papers) |
| 14:45 – 15:15 | Coffee Break |

- 15:15 – 16:00 Updates from Project Network on Partnership Activities
- UNECE – World Coal Institute – M2M initiative: best practices guidance document on coal mine methane degasification and utilization
Ray Pilcher, Raven Ridge Resources
 - Venting and Degasification Technologies
Mario Santillán, Minerales Monclova (MIMOSA)
 - Update on activities in China
Pamela Franklin, on behalf of International Energy Agency (IEA)
- 16:00 – 16:30 Subcommittee Action Items for 2009
Subcommittee Chairs
- Next meeting – proposals for possible dates, locations
 - Plan of action for coming year:
 - Prepare for 2010 Expo
 - Implement country strategies
 - Contribute to M2M Accomplishments report
- 16:30 Adjourn

[Back to Top](#)

Landfill Subcommittee Meeting

AGENDA

Thursday, 29 January 2009

- | | |
|---------------|--|
| 09:00 – 10:45 | <p>Plenary Session:
 Steering Committee Report Out and Charge to Subcommittees
 Report from the Administrative Support Group (ASG)</p> <ul style="list-style-type: none"> • Provide a general progress report/status update on overall ASG activities • Discuss Methane to Markets Partnership-wide accomplishments report and need for Subcommittee involvement • Discuss proposed strategy for increased Project Network engagement and acknowledgement • Reinforce Steering Committee decision on plans for next Partnership Expo |
| 10:45 – 11:00 | Coffee Break |
| 11:00 – 11:30 | <p>Welcome – CANADA ROOM
 Brief Introduction of Meeting Participants
 Adoption of Agenda
 Discussion of Charge from the Steering Committee
 <i>Co-Chair Gabriel Blanco(Argentina), Co-Chair Mario Lazzeri (Italy), Vice-Chair Roberto Urquizo (Ecuador)</i></p> |
| 11:30 – 11:45 | <p>Brief Re-cap of June 2008 Meeting
 Report out from ISWA Singapore Roundtable</p> |
| 11:45 – 12:30 | <p>2010 Partnership Expo
 <i>Co-Chairs, Vice Chair, ASG</i></p> <ul style="list-style-type: none"> • Updates on projects showcased in Beijing at 2007 Expo • Goals of 2010 Partnership Expo • Discussion of draft technical program • Discussion of technologies, case studies, and project opportunities to showcase • Discussion of strategy for outreach: Target companies and individuals of interest that the Subcommittee should reach out to |
| 12:30 – 13:45 | Working lunch in meeting room |
| 13:00 – 14:45 | <p>Landfill Subcommittee Delegates Updates (5 minutes each) and Discussion</p> <ul style="list-style-type: none"> • Status of country-specific strategies • Updates on new developments and activities furthering Partnership goals (e.g., working with trade association, training events, pre-feasibility studies, white papers) • IEA Renewables Database |
| 14:45 – 15:15 | Coffee Break |

- 15:15 – 15:45 Updates from Project Network on Partnership Activities
- 15:45—16:00 Refining Role of Partner Country Delegates *Co Chairs*
General discussion of potential roles including:
- Focal point for the project network members working in each country
 - Serving on Topic-specific work groups
 - Developers and implementers of country-specific strategies
 - Other?
- 16:00 – 16:30 Subcommittee Action Items for 2009
Subcommittee Chairs
- Next meeting – proposals for possible dates, locations
 - Plan of action for coming year to prepare for 2010 Expo, implement country strategies, contribute to M2M Accomplishments report
- 16:30 Adjourn

[Back to Top](#)

Oil & Gas Subcommittee Meeting

AGENDA

Thursday, 29 January 2009

- | | |
|---------------|--|
| 09:00 – 10:30 | Steering Committee Report Out and Charge to Subcommittees |
| 10:30- 10:45 | <p>ASG</p> <ul style="list-style-type: none"> • Provide a general progress report/status update on the overall ASG activities • Discuss Methane to Markets Partnership-wide accomplishments report and need for Subcommittee involvement • Discuss proposed strategy for increased Project Network engagement and acknowledgement • Reinforce Steering Committee decision on plans for the 2010 Partnership Expo in India |
| 10:45 – 11:00 | Coffee Break and Breakout to Oil & Gas Subcommittee Meeting |
| 11:00 – 11:30 | <p>Welcome, Brief Introduction of Meeting Participants/Review of Meeting Goals, and Adoption of Agenda – AMERICA ROOM
 <i>Chairman Kaplan Basniev (Russia), Chairman Javier Bocanegra (Mexico), and Vice Chairman Michael Layer (Canada)</i></p> |
| 11:30 – 13:00 | <p>Oil and Gas Subcommittee Delegate Updates. Each country delegate in attendance shall present on the following topics:</p> <ul style="list-style-type: none"> • Complete, in-process, and future (planned) oil and gas methane emissions reduction project activities <ul style="list-style-type: none"> ○ Projects may be in-country or in another location (ie. developed country capacity building in countries that are developing or with economies in transition) ○ Status of projects presented at Beijing Expo (Mexico and Ukraine only) |
| 13:00 – 13:45 | Lunch: Midday meal will be served such that participants will bring lunch back into the meeting room for a working lunch. |
| 13:00 – 13:45 | <p>Oil and Gas Sector Methane Emissions Reduction Project Case Studies</p> <ul style="list-style-type: none"> • Mr. AK Hazarika, Oil and Natural Gas Company of India • PEMEX |
| 13:45 – 14:00 | <p>Methane to Markets Partnership-wide Accomplishments Report
 ASG</p> <ul style="list-style-type: none"> • Background • Report Development Process and Status • Timeline |

- 14:00 – 14:30 2010 Partnership Expo in India
ASG
- Goals of the 2010 Partnership Expo
 - Discussion of Beijing Expo Lessons Learned
 - Discussion of overall India Expo oil and gas program
- 14:30 – 15:00 Coffee Break
- 15:00 – 15:30 2010 Partnership Expo in India (continued)
ASG
- Targets for country-specific participation at 2010 Expo in India
 - Based on project activities previously discussed, identify at least two oil and gas companies to attend and participate
 - If possible, also include emissions reduction technology manufacturers and service providers
 - Identify at least two specific oil and gas sector methane emissions reduction projects to be showcased
 - Proposed 2009 work plan for encouraging participation of targeted companies and highlighting targeted projects
- 15:30 – 16:00 Administrative Issues
Subcommittee Chairs
- Next meeting (when and where?)
 - Communications mechanisms (i.e., what works best?)
 - Updates to Subcommittee rosters
- 16:00 – 17:00 Summary of Action Items Discussed at this Meeting
ASG
- Meeting action items
 - Specific India Expo tasks that delegates agree to accomplish and report on at the next meeting—Open discussion on how delegates will prepare for the Expo and what they will be doing between now and the next Subcommittee meeting (Fall 2009)
 - Discussion of possible agenda topics for the next Subcommittee meeting
- 17:00 Adjourn

[Back to Top](#)