






Wednesday – 12 October 2011					
	Agriculture Site Tour 09:00 – 16:00 Agricultural Biogas Plant  ZD IZPIB Grodziec Śląski	Coal Site Tour 08:00 – 17:00  GŁÓWNY INSTYTUT GÓRNICHTWA	Landfill Site Tour Barycz Landfill 09:00 – 14:30  INSTYTUT NAFTY I GAZU	Oil & Gas Site Tour Compressor Station and Laboratory 08:00 – 16:00  GAZ system	Steering Committee Meeting 14:00 – 18:00
18:00 – 20:00	World Heritage Site Wieliczka Salt Mine tour				
20:00 – 22:00	Wieliczka Salt Mine Opening Dinner – Hosted by  MINISTRY OF ECONOMY				
Thursday – 13 October 2011					
08:30 – 09:00	Registration and coffee				
09:00 – 11:00	Opening Plenary Session Moderated by: Lucyna Jaremczuk, Bilateral Economic Cooperation Department, Ministry of Economy, Poland <ul style="list-style-type: none"> • Welcome <ul style="list-style-type: none"> ○ Marcin Korolec, Undersecretary of State, Ministry of Economy, Poland ○ William Heidt, Deputy Chief of Mission, U.S. Embassy, Warsaw • State of the Initiative Address <ul style="list-style-type: none"> ○ Jim Jones, Deputy Assistant Administrator, U.S. EPA and GMI Steering Chair • Keynote Addresses <ul style="list-style-type: none"> ○ Paul Gunning, Acting Director, Climate Change Division, U.S. EPA ○ Havard Toresen, Deputy Director General, Ministry of the Environment, Norway and Co-Chair of Task Force on Short-Lived Climate Forcers, Arctic Council ○ Zbigniew Kamienski, Deputy Director, Ministry of Economy, Poland 				

Thursday – 13 October 2011 (Continued)						
11:00 – 11:30	Coffee Break and change to break out rooms					
11:30 – 13:30	Agriculture Sessions	Coal Sessions	Landfill Sessions	Oil & Gas Sessions	Eastern Partnership Meeting	Steering Committee Meeting Continued
13:30 – 14:30	Lunch				Eastern Partnership Luncheon	Subcommittee Chairs report to Steering Committee
14:30 – 18:00	Agriculture Sessions Continued	Coal Sessions Continued	Landfill Sessions Continued	Oil & Gas Sessions Continued		Steering Committee Meeting Continued
18:30	Reception (Park Inn)					
Friday – 14 October 2011						
08:30 – 09:00	Coffee and Networking					
09:00 – 11:00	Agriculture Sessions Wrap Up	Coal Sessions Wrap Up	Landfill Sessions Wrap Up	Oil & Gas Sessions Wrap Up		
11:15 – 12:30	Plenary Session <ul style="list-style-type: none"> • Subcommittee Chairs Report Out • Steering Committee Report Out • Closing Address 					
12:30	Adjourn					

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Agriculture Subcommittee – Technical and Policy Sessions

Park Inn
Krakow, Poland

13 October 2011

Agriculture Subcommittee Meeting

- 11:30 – 11:40 **Welcome and Brief Introductions**
Anil Dhussa and Jorge Hilbert, Co-chairs
- 11:40 – 12:15 **Brief Country Updates (5-10 minutes for each country)**
Country delegates
- 12:15 – 12:20 **Subcommittee Leadership**
Anil Dhussa and Jorge Hilbert, Co-chairs
- 12:20 – 12:30 **Overview of Topics to be Discussed at the Steering Committee Meeting**
Monica Shimamura, Administrative Support Group, Global Methane Initiative
- 12:30 – 12:45 **Discussion of Ongoing Subcommittee Work, Including the International Database**
Anil Dhussa and Jorge Hilbert, Co-chairs
Allison Costa, U.S. Environmental Protection Agency
- 12:45 – 13:00 **Discussion of Future Subcommittee Work**
Anil Dhussa and Jorge Hilbert, Co-chairs
- 13:00 – 13:15 **Expo Planning: Possible Topics to Discuss**
Anil Dhussa and Jorge Hilbert, Co-chairs
- 13:15 – 13:30 **Summary and Review of Action Items**
- 13:30 – 14:30 **Lunch**
[Note: Co-Chairs to attend Steering Committee during lunch to report on progress]

Agriculture Technical Sessions

- 14:30 – 14:40 **Introduction and Overview**
Co-chairs
- Session 1: *Financing for Project Development***
- 14:40 – 15:00 **Using Microfinancing Programs to Advance Small-Scale Projects**
Prem Sagar Subedi, Winrock International
- 15:00 – 15:20 **The Future of Carbon Finance Program of Activities (POAs) in a Post-2012 World**
W. Nick Bowden, World Bank

Session 2: National Standards and Policies that Increase the Adoption of AD

- 15:20 – 15:40 **Ethiopia's Strategy for Climate Resilient Green Economy**
Daniel Fikreyesus, Community Development and Research
- 15:40 – 16:00 **India's Standards and Policies**
Anil Dhussa, Indian Ministry of New and Renewable Energy
- 16:00 – 16:20 **Germany's National Energy Policies Supporting AD**
Eike Horn, German Society for Sustainable Biogas and Bioenergy Utilisation (GERBIO)
- 16:20 – 16:40 **Design and Implementation of National Domestic Biogas Programs in Developing Countries**
Wim J. van Nes, Netherlands Development Organisation (SNV)
- 16:40 – 17:00 **Break**

Session 3: Spotlight on AD Projects around the World
(Each presentation will highlight two representative projects from the country)

- 17:00 – 17:20 **Thailand**
Arux Chaiyakul, Thailand Department of Livestock Development
- 17:20 – 17:40 **China**
Liu Xin, Energy and Environmental Development Consulting Limited
- 17:40 – 18:00 **Argentina**
Jorge Hilbert, INTA

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Session 4: European Perspectives on AD Development

- 09:00 – 09:20 **Framework, Potential, and State of the Art of Biogas Technology in Ukraine**
Yuri Matveev, Renewable Energy Agency, SEC Biomass
- 09:20 – 09:40 **AD Projects in Poland**
Anna Bartkowiak, Poland Institute of Technology and Life Sciences
- 09:40 – 10:00 **United Kingdom's AD Strategy**
Steve Dagnall, AEA

Session 5: Increasing International Collaboration

- 10:00 – 10:20 **Canada/Mexico Project**
Daniel Masse, Agriculture and Agri-Food Canada
- 10:20 – 10:40 **Discussion of International Collaboration Projects**
Anil Dhussa and Jorge Hilbert, Co-chairs

Technical Session Wrap-Up

- 10:40 – 11:00 **Closing Remarks**
Anil Dhussa and Jorge Hilbert, Co-chairs

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Park Inn
Krakow, Poland

13 October 2011

Coal Subcommittee Meeting

- 11:30 – 11:40 **Welcome Addresses and Brief Introductions**
Co-Chairs from the United States, India and China
Polish representative
All meeting participants
- 11:40 – 11:55 **ASG Update**
Monica Shimamura (ASG)
- 11:55 – 12:55 **Brief Partner Country Updates (5 minutes per country)**
Country delegates
- 12:55 – 13:05 **Discussion of Draft Policy White Paper—Flaring of Coal Mine Methane: Assessing Appropriate Opportunities**
Felicia Ruiz (United States)
- 13:05 – 13:15 **Discussion of Updated Coal Mine Technology Database**
Jayne Somers (United States)
- 13:15 – 13:30 **Review of Action Items and Planning for Next Subcommittee Meeting and Third Expo**
Co-Chairs
- 13:30 – 14:30 **Lunch**
[Note: Co-Chairs to attend Steering Committee during lunch to report on progress]

Coal Technical Sessions

- 14:30 – 14:40 **Introduction and Overview**
Co-Chairs from the United States, India and China
- Session 1: Best Practices for Coal Mine Methane Drainage Globally**
Moderated by Ray Pilcher, Raven Ridge Resources (United States) (invited)
- 14:40 – 14:55 **Update on Best Practices Guidelines for Methane Drainage from Coal Mines**
Branko Milicevic, UNECE Group of Experts (Switzerland)
- 14:55 – 15:10 **Polish Mine Practices**
Eugeniusz Krause, Central Mining Institute of Katowice (Poland)
- 15:10 – 15:25 **Russian Mine Practices**
Oleg Tailakov, Institute of Coal of SB RAS (Russia)
- 15:25 – 15:35 **Q&A**
- 15:35 – 15:50 **Break**

Session 2: Coal Mine Methane Technologies

Moderated by Felicia Ruiz, U.S. Environmental Protection Agency (United States)

- 15:50 – 16:05 **Heat to Power**
Audrey Mascarenhas, Questor Technology, Inc. (Canada)
- 16:05 – 16:20 **Technology to Enhance CMM to Gas Pipeline Quality or LNG**
Wim van der Zande, G.I. Dynamics (Netherlands)
- 16:20 – 16:35 **CSIRO CMM Research**
Dr. Hua Guo, CSIRO (Australia)
- 16:35 – 16:55 **Experience of Dart Energy in Surface-to-in-Seam Drilling for Coalbed Methane Extraction ahead of Mining**
Peter Roles, Dart Energy Ltd (Poland)
- 16:55 – 17:05 **Q&A**

Session 3: Coal Mine Methane Sources

Moderated by Jayne Somers, U.S. Environmental Protection Agency (United States)

- 17:05 – 17:25 **Surface Mine Coal Production and Pre-Mine Drainage**
Jim Marshall, Raven Ridge Resources (United States)
- 17:25 – 17:45 **VAM Project Updates Globally**
Neil Butler, Harworth Energy (United Kingdom)
- 17:45 – 17:50 **Q&A**
- 17:50 – 18:00 **Wrap up and Adjourn**
Co-Chairs from the United States, India and China

14 October 2011

Coal Technical Sessions

- 09:00 – 09:10 **Introduction and Overview**
Co-Chairs from the United States, India and China
- 09:10 – 09:30 **Australia's Clean Energy Future Package and the Coal Sector Assistance Packages**
Wayne Calder, Department of Resources, Energy and Tourism (Australia)

Session 4: Coal Mine Methane Activities in Poland

Moderator TBD

- 09:30 – 09:50 **Update on CMM in Poland**
Jacek Skiba, Central Mining Institute of Katowice (Poland)
- 09:50 – 10:10 **Methane Hazards and Hazard Abatement in Poland Coal Mines**
Andrzej Tor or Antoni Jakubów, Jastrzębska Spółka Węglowa S.A. (Poland)
- 10:10 – 10:30 **Obstacles and Incentives for Project Development in Poland**
Aleksandra Magaczewska, Ministry of Economy (Poland)
- 10:30 – 10:40 **Q&A**
- 10:40 – 11:00 **Wrap up and Adjourn**
Co-Chairs from the United States, India and China
Polish representative

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Landfill Subcommittee – Technical and Policy Sessions

Park Inn
Krakow, Poland

13 October 2011

Landfill Technical and Policy Sessions

Session 1: Methane Mitigation in Solid Waste Management

11:30 – 11:55 **Waste Opportunities: Past and Future Climate Benefits from Better Municipal Waste Management in Europe from European Environment Agency**
Ioannis Bakas, European Topic Center on Sustainable Consumption and Production

11:55 – 12:20 **The Waste Sector's Contribution to Reducing Greenhouse Gas Emissions – A Successful Experience in Germany**
Marlene Sieck, German Federal Environment Agency

12:20 – 12:45 **A Climate Calculator for Solid Waste Management**
Regine Vogt, IFUE

12:45 – 13:10 **Implications of New Waste Management Legislation in Finland**
Jukka Salmela, Helsinki Region Environmental Services Authority

13:10 – 13:30 Q&A

13:30 – 14:30 **Lunch**
[Note: Co-Chairs to attend Steering Committee during lunch to report on progress]

Session 2: Solid Waste Management and Nationally Appropriate Mitigation Actions (NAMAs)

14:30 – 14:50 **Mitigation Actions Available in the Waste Sector**
Gary Crawford, Veolia, International Solid Waste Association

14:50 – 15:20 **Waste NAMA as Part of Greenhouse Gas Reduction Strategy**
Sandra Lopez Tovar, Ministry of Environment and Sustainable Development (Colombia)

15:20 – 15:40 **Assessing NAMAs for Energy, Transportation, and Waste Sectors**
Ms. Olja Stanić, Ministry of Environment, Mining and Spatial Planning, (Republic of Serbia)

15:40 – 16:00 Q&A, Break, and Transition into Session 3

Session 3: Case Studies from Recent Innovative Landfill and Wastewater Biogas Projects *Moderator: Paul Brown, TetraTech*

16:00 – 16:30 **Financing an International Landfill Biogas Project –Mariupol and Chernigov Landfill Gas Energy Projects in Ukraine**
Yuri Matveev, REA/SCC Biomass, invited

16:30 – 17:00 **Energy from Wastewater**
Daniel Yeh, University of South Florida

17:00 – 17:30 **Landfill Gas Systems Operations and Maintenance**
Chad Leatherwood, SCS Engineers

17:30 – 18:00 **Leachate Management**
Terry Beasy, Heartland Technology Partners

18:00 – 18:15 Q&A

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08:30 – 09:00 Coffee and Networking

Landfill Subcommittee Meeting

09:00 – 09:15 **Update from the ASG on Partnership Status**
Henry Ferland, ASG

09:15 – 09:30 **Brief Partner Country Updates (up to 3 minutes per country)**
Country delegates

09:30 – 09:40 **Update on International Best Practices Guide**
Ms. Rachel Goldstein, U.S. Environmental Protection Agency

- Status update on draft chapters
- Discuss needed photos, case studies, and input
- Peer review editorial schedule

09:40 – 09:50 **Update on Wastewater Sector Initiatives**

09:50 – 10:00 **Q&A and Wrap-up by Co-Chairs of Subcommittee**

Landfill Technical and Policy Sessions

Session 4: The Polish Experience – Challenges and Opportunities for Advancing Landfill Gas Energy

10:00 – 10:20 **Landfill Gas as Vehicle Fuel in Poland – Lessons Learned from Biogasmax Project**
Sylwia Klatka, Con Voco Sp. Z o. o., Consulting for Sustainable Development, invited

10:20 – 10:40 **Perspectives on Advancing Landfill Gas Projects in Poland under GMI**
Piotr Klimek, Instytut Nafty i Gazu

10:40 – 11:00 **Landfill Gas Systems Operational Challenges in Poland**
Rafal Lewicki, Ministry of the Environment (Poland)

11:00 – 11:15 Q&A, transition to Closing Plenary Session

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Oil and Gas Subcommittee – Technical and Policy Sessions

Park Inn
Krakow, Poland

13 October 2011

- 11:30 – 11:45 **Introduction and Welcome to the Oil & Gas Technical and Policy Sessions**
Polish Representative
Oil and Gas Subcommittee Representatives
- 11:45 – 12:00 **Global Methane Initiative**
Carey Bylin, U.S. EPA
- 12:00 – 12:30 **GAZ-SYSTEM — Natural Gas Emission Reduction from Transmission System and Goals of GAZ-SYSTEM Activities**
Eliza Dyakowska, Gaz-System
- 12:30 – 13:00 **ONGC Experience Implementing Vapour Recovery Units on Crude Oil Storage Tanks**
A.B. Chakraborty, Oil and Natural Gas Corporation Limited (ONGC)
- 13:00 – 13:30 **Indonesian Climate Policy and the Importance of Methane Reductions in the Oil & Gas Sector**
Syamsidar Thamrin, Indonesian State Ministry of National Development Planning (BAPPENAS)
- 13:30 – 14:30 **Lunch**
- 14:30 – 16:00 **Panel Session on Companies' Experiences with Methane Leak Detection and Measurement Studies**
Johan Tegstam, FLIR Systems AB; Milton Heath, Heath Consultants; A.B. Chakraborty, Oil and Natural Gas Corporation Limited (ONGC); Reid Smith, BP and Dr. Axel Scherello, Open Grid Europe GmbH
- Panelists will give a brief presentation on their experiences followed by a question and answer session.
- 16:00 – 16:15 **Break**
- 16:15 – 17:00 **Using Reduced Emission Completions (RECs) to Minimize Methane Emissions from Hydraulically Fractured Gas Wells**
Reid Smith, BP
- 17:00 – 17:45 **Country-Specific Activities Update**
Subcommittee Co-Chairs
- Member countries will provide a brief update on relevant activities in which their country has been involved since the last Subcommittee meeting held on 15 June 2011.
- 17:45 – 18:00 **Wrap up and Adjourn**

14 October 2011

- 09:00 – 09:05 **Opening Remarks**
EPA Representative
- 09:05 – 09:30 **Experience with Methane Emission Reductions**
PEMEX (Invited)
- 09:30 – 10:05 **Using Pipeline Pumpdown to Minimize Methane Emissions During Transmission Pipeline Repair**
Dr. Axel Scherello, Open Grid Europe GmbH
- 10:05 – 10:55 **Routing Centrifugal Compressor Seal Oil De-gassing Emissions to Fuel Gas as an Alternative to Installing Dry Seals**
Don Robinson, ICF International
Reid Smith, BP
- 10:55 – 11:00 **Wrap up and Adjourn**

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