

# Methane International

*The Methane to Markets Partnership Quarterly Update*

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## **Mexico and the United States Collaborate to Energize Methane to Markets Projects**

### ***U.S. Agencies and Mexico's SEMARNAT Formalize Commitment***

At the March 2006 meeting of the U.S.-Mexico Binational Commission, officials of the U.S. Agency for International Development (USAID), the U.S.

Environmental Protection Agency (U.S. EPA), and the Mexican Ministry of the Environment (SEMARNAT)

signed a letter of cooperation to formalize their ongoing activities to capture and use methane gas in Mexico.

Over the past year, as part of the Methane to Markets Partnership, these organizations have been collaborating to identify and develop methane project opportunities in Mexico. In the waste management sector, Mexican and U.S. agencies are identifying landfills that are suitable candidates for landfill gas energy projects. In the oil and natural gas sector, Mexico's state-owned, nationalized petroleum company, Petróleos Mexicanos (PEMEX), USAID, and U.S. EPA are implementing two pilot projects to capture fugitive emissions from PEMEX's transmission and distribution infrastructure and sharing lessons learned with other stakeholders at a tech transfer workshop scheduled for April 25-26, 2006, in Villahermosa, Mexico. For more information on the workshop or to register, visit [www.methanetomarkets.org/events/2006/oil-gas/oil-gas-25april.htm](http://www.methanetomarkets.org/events/2006/oil-gas/oil-gas-25april.htm).

In the agriculture sector, Mexican and U.S. agencies are identifying project opportunities in the swine production sector. To date, experts have visited dozens of farms and will conduct baseline



## Canada to Host M2M Event at CSD Meeting



Canada will be hosting a Methane to Markets Partnership event on May 2 at the 14th session of the UN Commission on Sustainable Development (CSD-14). The event will be in Conference Room 6 at 12:15. It will showcase Methane to Markets projects and highlight how the Partnership is contributing to the CSD focus areas of Energy for Sustainable Development and Climate Change. Methane to Markets Partners and Project Network members are encouraged to participate in both of these events.

For more information on this and other meetings, see the "Upcoming Conferences and Events" section.

measurements with the intent of implementing several pilot projects by mid-2006.



Mexican and U.S. Partners and Project Network members are looking forward to sharing news of their success with the Methane to Markets community. For more information, visit [www.epa.gov/methanetomarkets/activities.htm](http://www.epa.gov/methanetomarkets/activities.htm).

## Four Partners Co-Sponsor Successful Coal Mine Methane Workshop

*Japan, China, Australia, and the U.S. Combine Resources to Advance CMM Opportunities in Beijing*

Four Methane to Markets Partners jointly sponsored the Methane to Markets Regional Workshop on Coal Mine Methane (CMM) in December 2005, proving that multilateral collaboration can yield more than individual efforts.

Held in Beijing and hosted by the China Coal Information Institute, the workshop attracted more than 80 participants, representing 10 Methane to Markets Partner countries and many Project Network members. Australia's Greenhouse Office, Japan's New Energy and Industrial Development Organization, the People's Republic of China State Administration of Coal Mine Safety, and U.S. EPA all provided support for the workshop. Discussions focused on project development issues in China, with a particular emphasis on how to identify and quantify CMM emissions and the costs and benefits of various technologies and techniques to reduce methane emissions. Experts presented the following topics:

- Successful application of U.S. and Australian technologies to Chinese mines
- Regulatory and financial issues associated with developing CMM projects in China
- International coal companies' experiences working in China
- Opportunities and barriers to CMM recovery and utilization in Argentina, India, Nigeria, Russia, and Ukraine and their relevance to opportunities in China

## Asia-Pacific and Methane to Markets Partnerships Co-Promote Opportunities to Reduce GHG Emissions

The Asia-Pacific Partnership on Clean Development and Climate (APP) is an innovative new effort to accelerate the development and deployment of clean energy technologies in a variety of sectors. Established by six countries in the Asia-Pacific region (Australia, China, India, Japan, South Korea, and the U.S.), the Partnership will foster voluntary practical measures to create new investment opportunities, build local capacity, and remove barriers to the introduction of clean, more efficient technologies.

Both M2M and APP will leverage multilateral cooperation to achieve practical results to improve energy security, reduce pollution, and address the long-term challenge of climate change. Specifically, the partnerships will mutually support efforts to capture and use methane as clean energy from coal mines and other sources such as landfills and agricultural waste.

For more information from the recent ministerial meeting on APP visit [www.dfat.gov.au/environment/climate/ap6/](http://www.dfat.gov.au/environment/climate/ap6/).

The workshop was held immediately following the Fifth International Symposium on Coalbed Methane/CMM in China. The symposium featured a number of presentations that focused on CMM utilization or mitigation technologies; resource, economic, and risk assessment strategies; and experiences at specific Chinese mines. For more information, visit [www.methanetomarkets.org/events/past.htm](http://www.methanetomarkets.org/events/past.htm).

## Building Momentum: Joint Efforts Spur Indian Methane Recovery Activities

The U.S. and India are working together to encourage the development of projects to capture and use landfill methane on the Indian subcontinent. In March 2006, Project Network member the Federation of Indian Chambers of Commerce and Industry and U.S. EPA organized a joint one-day workshop in Delhi to increase



awareness of and facilitate landfill gas energy projects. The event drew a diverse crowd of project developers, end users, and international agencies and organizations, including the U.S. Agency for

International Development (USAID) and Project Network member the International Solid Waste Association.

In support of this effort, USAID has issued a request for applications to support up to \$400,000 in activities that support the capture and commercial use of methane gas in India. The goal of this request is to help launch several replicable demonstration projects in the Indian states of Andhra Pradesh, Gujarat, Karnataka, Rajasthan, Uttar Pradesh, and elsewhere. USAID funds will help minimize the financial risks and overall costs of the proposed activities.

For more information about how to apply for this grant, visit the USAID India Web site at [www.usaid.gov/in/working\\_with\\_us/grant\\_opportunity.htm](http://www.usaid.gov/in/working_with_us/grant_opportunity.htm) and click on RFA #386-06-00, entitled "Methane to Markets Partnership Program."

## Don't Miss Your Opportunity to Be a Major Player in the 2007 Methane to Markets Partnership Expo

### *Join the Methane to Markets Project Network Today*

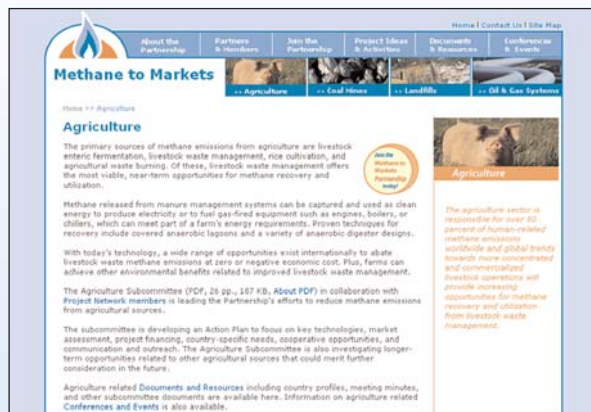
The Project Network is a growing community of private-sector entities, financial institutions, and other governmental and non-governmental organizations with an interest in methane capture and use projects.

Project Network members are actively involved in the Methane to Markets Partnership and are critical to its success. As the Partnership develops and plans for its first Expo, Project Network members might contribute in the following ways:

- Showcasing specific projects developed under the Partnership
- Presenting methane capture and use technologies and services
- Participating in forums to discuss technical and policy issues related to project development
- Assisting subcommittees in developing project guidelines or templates
- Supporting travel for key participants from project sites to present their methane recovery and use opportunities

To join the Project Network, please visit [www.methanetomarkets.org](http://www.methanetomarkets.org), click on "Join the Partnership — Project Network," and complete our non-binding online Agreement Form.

## Methane to Markets Launches New Web Pages for Agriculture Sector



Following a decision by the Steering Committee to create a new technical subcommittee for agriculture that will focus on methane capture and use projects from the livestock waste management sector, Methane to Markets recently created a series of new Web pages to service Partners and Project Network members interested in this project area.

The agriculture sector page provides general background on the livestock waste management sector and technologies for methane capture and use from this source. In addition, it houses Agriculture Subcommittee-related documents and information, outreach materials, agriculture country profiles, and other useful links. Visit [www.methanetomarkets.org/ag/index.htm](http://www.methanetomarkets.org/ag/index.htm) for more information.

## Landfill Gas Opportunities Emphasized at Waste Issues Conference in Ukraine

U.S. EPA participated in the Third International Conference on Cooperation for Waste Issues, held February 7-8 in Kharkov, Ukraine. U.S. EPA presented a paper on the opportunities for landfill methane recovery and use and the Methane to Markets Partnership. More than 350 people attended the conference. U.S. EPA representatives met with a wide range of important constituencies in Ukraine, including SEC Biomass, Transolutions, Executive Committee of Kharkov Municipal Soviet of People's Deputies, Green-Port, Russian Academy of Natural Science, Ecopress, Capacity Building in Donetsk Oblast for Waste Management, and Euroerdogas. A follow-on workshop is being planned for the fall of 2006 in cooperation with the Third International Ukrainian Conference on Biomass for Energy in Kiev.

## Methane to Markets Begins Planning for the 2007 Methane to Markets Partnership Expo

At the November 2005 Methane to Markets Partnership Meeting, the Steering Committee agreed to develop a Methane to Markets Partnership Expo to be held in conjunction with the Third Methane to Markets Partnership Meeting in 2007. The purpose of the Methane to Markets Partnership Expo is to showcase specific projects developed under the Partnership, showcase leading capture and use technologies and services, provide a forum for discussing key issues pertaining to

project development, expand the Project Network and increase participation in the Partnership, and highlight Partnership successes to date.

A task force comprising country representatives and members from each subcommittee developed recommendations for the Steering Committee. The task force provided its final Expo recommendations to and received approval from the Steering Committee in April 2006. The Methane to Markets Partnership Expo will be held in Beijing, China, in fall 2007.

## Upcoming Methane to Markets Conferences and Related Events

*Visit [www.methanetomarkets.org](http://www.methanetomarkets.org) for the most up-to-date information on Partnership conferences and events.*

### Methane to Markets Meetings

*12 May 2006*

Landfill Gas Subcommittee Meeting

Cologne, Germany

[www.methanetomarkets.org/events/2006/landfill/landfill-12may06.htm](http://www.methanetomarkets.org/events/2006/landfill/landfill-12may06.htm)

*Held in conjunction with Carbon Expo. See below.*

*22-23 May 2006*

Coal Mine Subcommittee Meeting

Tuscaloosa, Alabama, USA

[www.methanetomarkets.org/events/2006/coal/coal-may06.htm](http://www.methanetomarkets.org/events/2006/coal/coal-may06.htm)

*Held in conjunction with 2006 International Coalbed Methane Symposium.*

## Other Related Meetings

### Agriculture Meetings

15-19 September 2007

International Symposium on Air Quality and Waste Management for Agriculture  
Broomfield, Colorado, USA  
[www.asabe.org/meetings/airwaste2007/index.htm](http://www.asabe.org/meetings/airwaste2007/index.htm)

### Coal Meetings

22-26 May 2006

2006 International Coalbed Methane Symposium  
Tuscaloosa, Alabama, USA  
[bama.ua.edu/~coalbed/](http://bama.ua.edu/~coalbed/)

### Landfill Meetings

9-12 May 2006

International Solid Waste Association (ISWA)  
Beacon Conference: Waste Treatment and Final Destination  
Sao Paulo, Brazil  
[www.resilimp.com.br/english/index.php](http://www.resilimp.com.br/english/index.php)

5-8 September 2006

The Institute of Waste Management of Southern Africa's WASTECON 2006  
Cape Town, South Africa  
[www.iwmsa.co.za/wastecon.htm](http://www.iwmsa.co.za/wastecon.htm)

18-20 October 2006

Fourth Asian-Pacific Landfill Symposium  
Shanghai, China  
[www.aplas.cn/e/inform\\_e.htm](http://www.aplas.cn/e/inform_e.htm)

## Oil and Gas Systems Meetings

5-9 June 2006

International Gas Union 23rd World Gas Conference  
Amsterdam, The Netherlands  
[www.wgc2006.nl](http://www.wgc2006.nl)

## General Meetings

1-12 May 2006

14th Session of the UN Commission on Sustainable Development (CSD-14)  
New York City, New York, USA  
[www.un.org/esa/sustdev/csd/review.htm](http://www.un.org/esa/sustdev/csd/review.htm)

10-12 May 2006

Carbon Expo  
Cologne, Germany  
[www.carbonexpo.com](http://www.carbonexpo.com)

The Carbon Expo is one of the largest global carbon market events of the year. It combines technical sessions, project information, a carbon marketplace, and a technology fair where climate-friendly technologies are displayed.

13-15 September 2006

Better Air Quality Conference 2006  
Yogyakarta, Indonesia  
[www.cleanairnet.org/baq2006](http://www.cleanairnet.org/baq2006)

For more information about *Methane International* or the Methane to Markets Partnership, please visit [www.methanetomarkets.org](http://www.methanetomarkets.org) or contact the Administrative Support Group at [asg@methanetomarkets.org](mailto:asg@methanetomarkets.org).



**Methane to Markets**