



# Methane to Markets

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Introduction to the Agriculture Subcommittee

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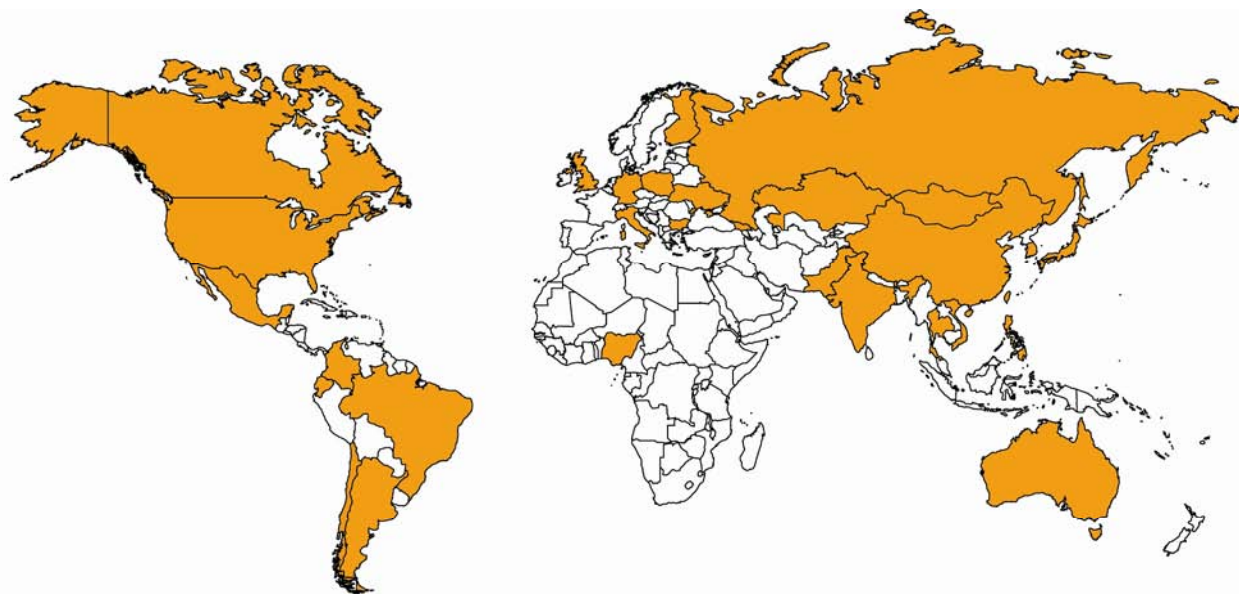
4 March 2010

# Overview

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- M2M Snapshot
- Agriculture Sector
- Sector Action Plan Summary
- Objectives of the Expo

# 31 Partner Countries Over 1000 Project Network Members



# Cost-Effective Projects Recover and Use Methane

## Coal Mines



## Oil and Gas Systems



## Landfills



## Agricultural Waste



# Agriculture Sector Background

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- Sources of methane in the agriculture sector include:
  - ***Livestock manure management***
  - Livestock enteric fermentation
  - Rice cultivation
  - Agricultural waste burning
  
- The Agriculture Subcommittee has focused on methane from livestock manure management and utilization of anaerobic digesters.
  - Livestock manure management offers the most viable, short-term opportunities for methane recovery and utilization.
  - These opportunities can be realized using currently available technology and offer benefits in terms of improved environmental quality.

# Agriculture Sector Background

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- The Agriculture Subcommittee decided to also include AD projects utilizing agri-food waste.
- The Agriculture Subcommittee has discussed the inclusion of enteric fermentation and rice cultivation into the work of the Partnership.





# Agriculture Sector Background

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- The Agriculture Subcommittee has supported the development of an international protocol to evaluate the performance of anaerobic digestion systems
  - The protocol provides a consistent and standard method for the international community to review and assess technologies and provides project developers and potential users with credible and comparable information
  - An international team of researchers and specialists reviewed the protocol and made suggestions and corrections.
  - The Subcommittee reviewed the draft protocol in Guangzhou and provided input and suggestions
  - The protocol was revised and translated and is now available in English, Chinese, and Spanish
  - The protocol will be presented to the public at the Expo

# Sector Action Plan Overview

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- The goal of the Action Plan is to promote economically viable anaerobic digestion of animal wastes through identifying and overcoming barriers to project development.
- The key barriers to project development in this sector can be categorized into the following 6 key themes:
  - National capacity
  - Technology
  - Financial and Economic
  - Policy
  - Awareness
  - Project Identification and Development
- The Action Plan includes types of activities that can overcome these obstacles, as presented in the following table.



# Sector Action Plan Overview (continued)

Obstacle to Project Development	Examples of Current Action Plan Items to Address Obstacles
National capacity	<ul style="list-style-type: none"> <li>▪ Promote capacity building in governments</li> <li>▪ Provide AD experts in the Ag Country Profiles</li> </ul>
Technology	<ul style="list-style-type: none"> <li>▪ Support technology demonstrations</li> <li>▪ Bring together technology developers in the Project Network</li> </ul>
Financial and Economic	<ul style="list-style-type: none"> <li>▪ Each country to identify and support investment opportunities</li> <li>▪ Include possible financiers in the Project Network</li> </ul>
Policy	<ul style="list-style-type: none"> <li>▪ Share lessons learned from policy development</li> <li>▪ Analyze differences in policy portions of Country Profiles</li> </ul>
Awareness	<ul style="list-style-type: none"> <li>▪ Keep up-to-date information on the M2M Web site</li> <li>▪ Hold international seminars on ag methane recovery and use</li> </ul>
Project Identification and Development	<ul style="list-style-type: none"> <li>▪ Track on-going projects in the M2M project database</li> <li>▪ Present projects at the Expo</li> </ul>



# Methane to Markets Partnership Expo

New Delhi, India • 2–5 March 2010

## Objectives of the 2010 Expo

- Highlight methane capture and use technologies and services in a trade show format
- Showcase project opportunities to potential investors
- Parallel sector tracks covering technical, policy, financing, and regulatory issues related to project development.





# Expo Technical Sessions

Session 1	<b><i>Addressing the Financing Barrier</i></b>
Session 2	<b><i>Strategies and Policies to Overcome Barriers and Implement Anaerobic Digestion (AD): Part 1</i></b>
Session 3	<b><i>Strategies and Policies to Overcome Barriers and Implement Anaerobic Digestion (AD): Part 2</i></b>
Session 4	<b><i>Overcoming Barriers of Scale: Project Bundling</i></b>
Session 5	<b><i>Opportunities to Use AD across the Food and Agriculture Sector</i></b>
Session 6	<b><i>Other Agricultural Sources of Methane</i></b>





# Methane to Markets Partnership Expo

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## Thank you for coming to the Expo!

- We look forward to an informative and productive technical session
- The Agriculture Subcommittee will be meeting on Friday

