

Global Methane Initiative

Agriculture Sector Presentation for CCAC Livestock Manure Management Funding Component

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Overview

- What is GMI?
- GMI Agriculture Experience
- Lessons to Share
- Collaboration with CCAC

Global Methane Initiative



- A public/private partnership that advances ***cost-effective, near-term methane recovery and use*** as a clean energy source in five sectors:

***Agriculture
(Livestock and Agro-
Industrial Wastes)***



Coal Mines



***Municipal Solid Waste
(Landfills)***



Oil and Gas Systems

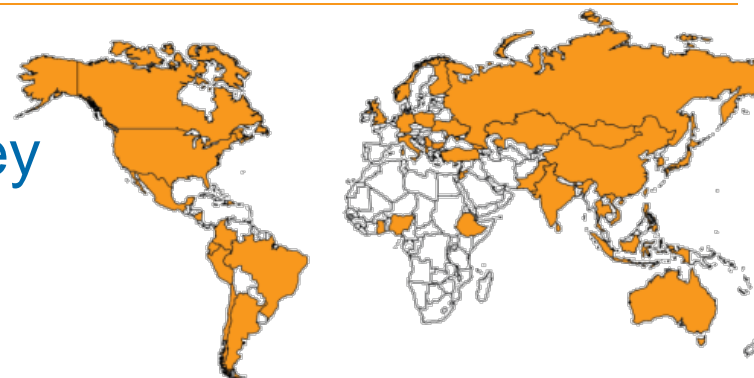


Wastewater



GMI's Charter

- **Mission:** To promote global reductions of methane from key sectors through international public-private partnerships
- Established in 2004 (M2M) & re-chartered in 2010 (GMI) to reduce barriers to methane abatement
- Includes the key players:
 - **43*** countries, all top-10 CH₄ emitters
 - 70% of global CH₄ emissions
 - **Over 1,200 private sector, NGO, multilateral organizations**



Total USG
funding

74.5

Total
leveraged
funding

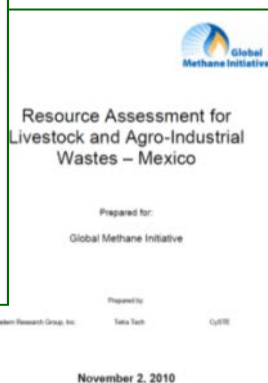
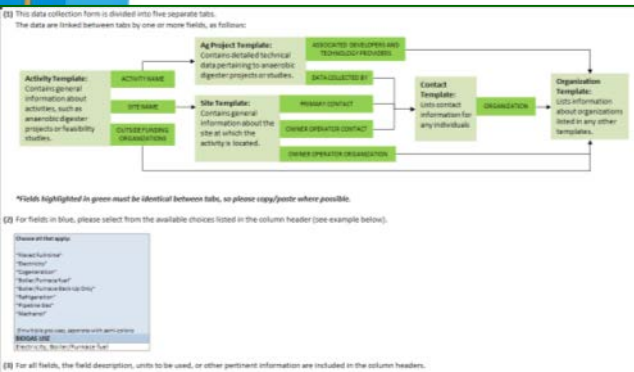
526.8

GMI Accomplishments

- Through 3 GMI Partnership Expos, showcased over 300 potential project opportunities and success stories
- Strengthened global awareness of barriers and opportunities
 - Developed sector-specific tools and resources, such as databases of agriculture, landfill and coal mine methane projects and opportunities
 - Worked with multilateral organizations (World Bank, ADB, UNECE, etc.) to develop “Best Practices” for several sectors
- Developed in-country capacity needed for long-term success
 - Established and supported “clearinghouses” or information centers
 - Supported in-country NGOs and universities with technical training and funding to promote methane reduction opportunities
 - Provided training, study tours, workshops, technology demonstrations
 - Worked with partner governments to identify potential regulatory or policy changes to incentivize methane reductions
- Provided funding and sector-specific technical expertise to World Bank Methane Finance Study Group (2013)

GMI Agriculture Subcommittee

- Provides a forum for international collaboration through information sharing & technical assistance
 - Development of international guidance documents
 - Discussion of successful policy and financial approaches
 - Analysis of methane emission reduction potential in a country/region
 - Demonstration and training projects
 - Pre-feasibility studies
 - Database of international projects



Ag Subcommittee Members

- ❖ Argentina*
- ❖ Australia
- ❖ Brazil
- ❖ Canada
- ❖ Chile
- ❖ China
- ❖ Colombia
- ❖ Dominican Republic
- ❖ Ecuador
- ❖ Ethiopia
- ❖ Finland
- ❖ India*
- ❖ Italy
- ❖ Japan
- ❖ Jordan
- ❖ Mexico
- ❖ Mongolia
- ❖ Nicaragua
- ❖ Nigeria
- ❖ Peru
- ❖ Philippines
- ❖ Poland
- ❖ Thailand
- ❖ United Kingdom
- ❖ United States*
- ❖ Vietnam

GMI Agriculture: Strategic Approach



- Assess & prioritize emission sources
 - Evaluate markets, technical capacity & existing barriers and drivers → Country plan
- Develop sustainable markets with supportive policy & programmatic environment
- Phase out support & move to evaluation (M&V)

GMI Agriculture Approach

- Develop sustainable markets -
 - Demand:
 - Create economic incentives, deliver financing mechanisms
 - Conduct outreach
 - Provide technical assistance
 - Supply:
 - Deliver training
 - Pre-select participants
 - Include demonstrations
 - Phase training modules
 - Create certification

GMI Agriculture: Status

Advanced

- Mexico

Moderate

- China
- Philippines
- Thailand
- Vietnam

Initial

- Argentina
- India

GMI Agriculture: Status

- Assessment Phase:
 - Brazil
 - Colombia
 - Dominican Republic
 - Ecuador
 - Ethiopia
 - Nicaragua*
 - Turkey

GMI Agriculture: Lessons to Share



- Comprehensive Approach
 - Tech solutions, policy development/enforcement, capacity building, regional coordination
- Sustainable Technologies
 - Cost, available equipment/material, expertise, support services
- Strong Commitment
 - Government & target stakeholders; match country priorities; get buy-in
- Link to Financing
 - Overarching mechanism with cost share; address initial costs
- Tangible Benefits/M&V
 - Indicators for implementation progress, livestock WMS, environmental management, project impact; benefit farmers & local community
- Awareness & Wide Dissemination
 - Focus on common regional interest

CCAC Collaboration

- Work together to accomplish joint goals of reducing methane emissions:
 - Advise implementers based on experience
 - Share tools & resources
 - Collaborate on workshops, events
 - Link to stakeholders
- Close collaboration offers each organization:
 - Expanded reach & technical resources
 - Access to new stakeholders
 - Opportunities to increase country-level engagement

Current Opportunities for Engagement



- Biogas Best Practices Workshop, Florianopolis, Brazil
 - March 12-13: Workshop
 - March 14 :Tri-Sector Subcommittee Meeting
 - Sector Action Plans
 - NAMAs
 - Policies/Incentives Guide

- Contribute & comment on Policies/Incentives Guide

For More Information

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www.globalmethane.org

www.epa.gov/agstar

(US program to promote livestock biodigesters)