

# Methane to Markets Partnership

*Working to reduce global methane emissions in order to enhance economic growth, strengthen energy security, improve air quality, improve industrial safety, and reduce emissions of greenhouse gases.*



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# The Partnership

- Launched in 2004.
- 17-country members.

# Current Governmental Partners

- Argentina
- Australia
- Brazil
- Canada
- China
- Colombia
- Ecuador
- India
- Italy
- Japan
- Mexico
- Nigeria
- Republic of Korea
- Russia
- Ukraine
- United Kingdom
- United States





# The Partnership

- Launched in 2004.
- 17-country members.
- Strong emphasis placed on joint action between government and the private sector.
- Supports international cooperation to develop technologies to capture methane and use it as a clean energy source.



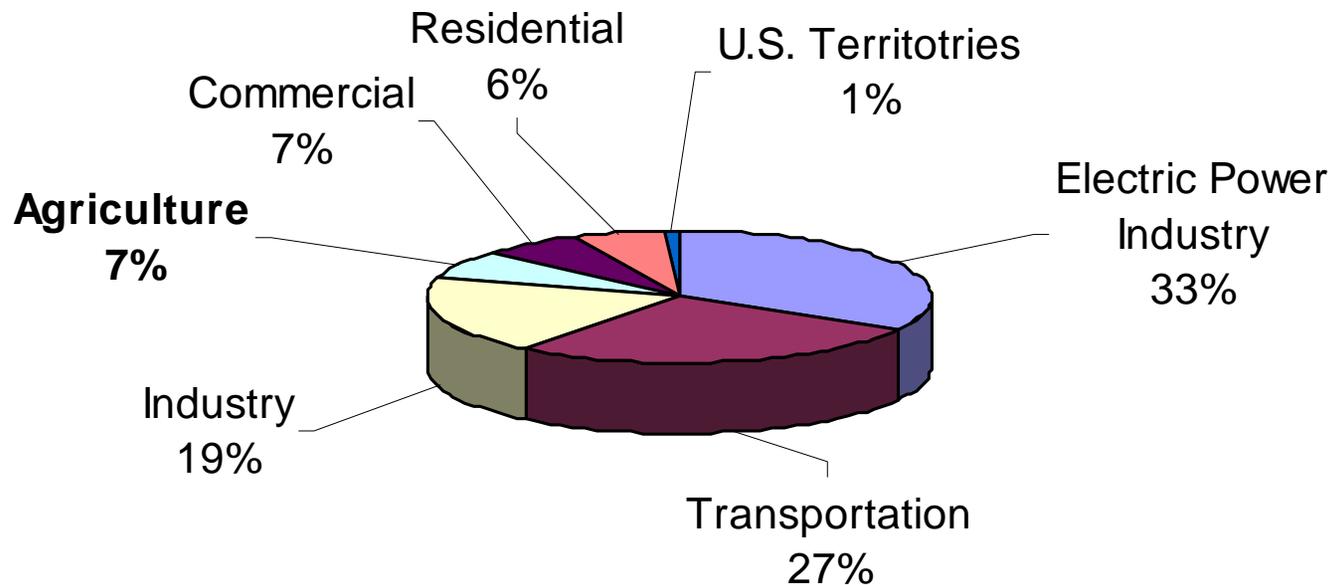
# Major Methane Sources

Partnership currently focuses on four sources of methane emissions:

- Agriculture (animal waste management)
- Coal mines
- Landfills
- Oil and gas systems

# 2003 U.S. Greenhouse Gas Emissions

## U.S. Greenhouse Gas Emissions Allocated to Economic Sectors in 2003 (Tg CO<sub>2</sub> Eq.)



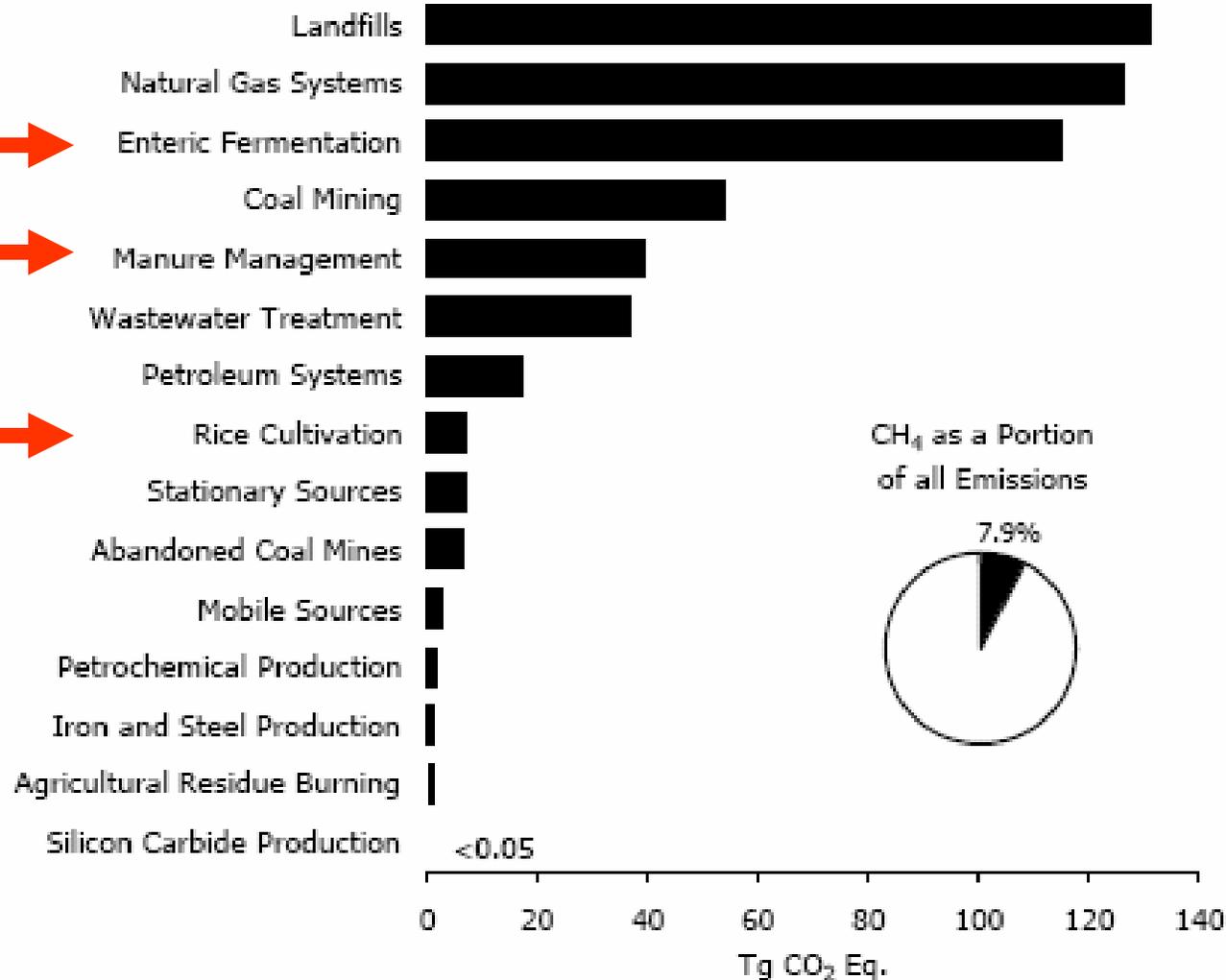
Source: Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990 – 2003 USEPA



## U.S. Government Profile on Animal Waste

- Agricultural emissions of methane ( $\text{CH}_4$ ) accounted for more than 2% of the greenhouse gas emissions in the U.S.
- Sources of methane emitted, from greatest to smallest contribution, are enteric fermentation, manure management, rice cultivation, and residue burning.

# 2003 U.S. Sources of Methane Emissions



Source: Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990 – 2003 USEPA



## U.S. Government Profile on Animal Waste

- Agricultural emissions of methane (CH<sub>4</sub>) accounted for 2.4% of the greenhouse gas emissions in the U.S.
- Sources of methane emitted, from greatest to smallest contribution, are enteric fermentation, manure management, rice cultivation, and residue burning.
- At the present time, livestock waste provides the best opportunity for methane recovery.



# Anaerobic Digesters

- Currently the only economically feasible technology used for methane capture and use.
- U.S. federal government has and continues to partially sponsor the construction of digesters nationwide via financial and technical assistance.
- Technology has significant potential to
  - address multiple environmental concerns
  - contribute to domestic energy security
  - help maintain strong rural economics



## Next Steps

- Develop an action plan for the Agriculture sub-committee.
- Create a project network.
- Support the 2007 Partnership Project Expo.
- Possibly host a Partnership agriculture workshop.

# Methane to Markets Partnership

[www.methanetomarkets.org](http://www.methanetomarkets.org)

