



Libertad y Orden

REPUBLIC OF COLOMBIA

MINISTRY OF ENVIRONMENT, HOUSING AND TERRITORIAL PLANNING



Ministry of Environment, Housing and Territorial Planning
Republic of Colombia

GLOBAL METHANE INITIATIVE

Landfill Subcommittee Meeting

Venice, Italy – 10th November, 2010



Project	Project Status	Emission Reductions Potential tCO2e/year	M2M input
Doña Juana Landfill Gas to Energy – Bogotá, 5800 ton/d	CDM Registered project – Sep 10, 2009. Operating since May 2009	827,384	Assessment Report
La Pradera Landfill Gas management – Medellín, 2100 ton/d	CDM Registered project – Feb 6, 2009. Operating since Oct 2008	167,321	Assessment Report
El Navarro Landfill – Cali, 19 Million ton disposed, clausured 2007		47,552	Pre-feasibility Study
Loma de los Cocos Landfill – Cartagena, 750ton/d	No-Objection Letter	150,979	Pre-feasibility Study
Villa Karina Landfill – Calarcá, 40ton/d			Assessment Report
El Tejar Landfill – Apartadó, 160ton/d			Assessment Report

Most recent M2M Activities in Colombia

Project	Emission Reductions Potential tCO ₂ e/year	M2M input
El Guacal Landfill – Heliconias	80,920	Assessment Report
Nuevo Mondoñedo Landfill – Bojacá	95,192	Assessment Report
San Juan del Barro Landfill – Florencia	18,242	Assessment Report

- **Colombia Biogas Model:**

- *Development of the Colombia Biogas Model*
- *Calibrated with implemented LFG projects in Colombia : Doña Juana, La Pradera, Antanas*

- **Landfill Database:**

- *Superintendencia de Servicios Públicos Domiciliarios*
- *Information Quality Assurance, aspects to be considered, systematization*

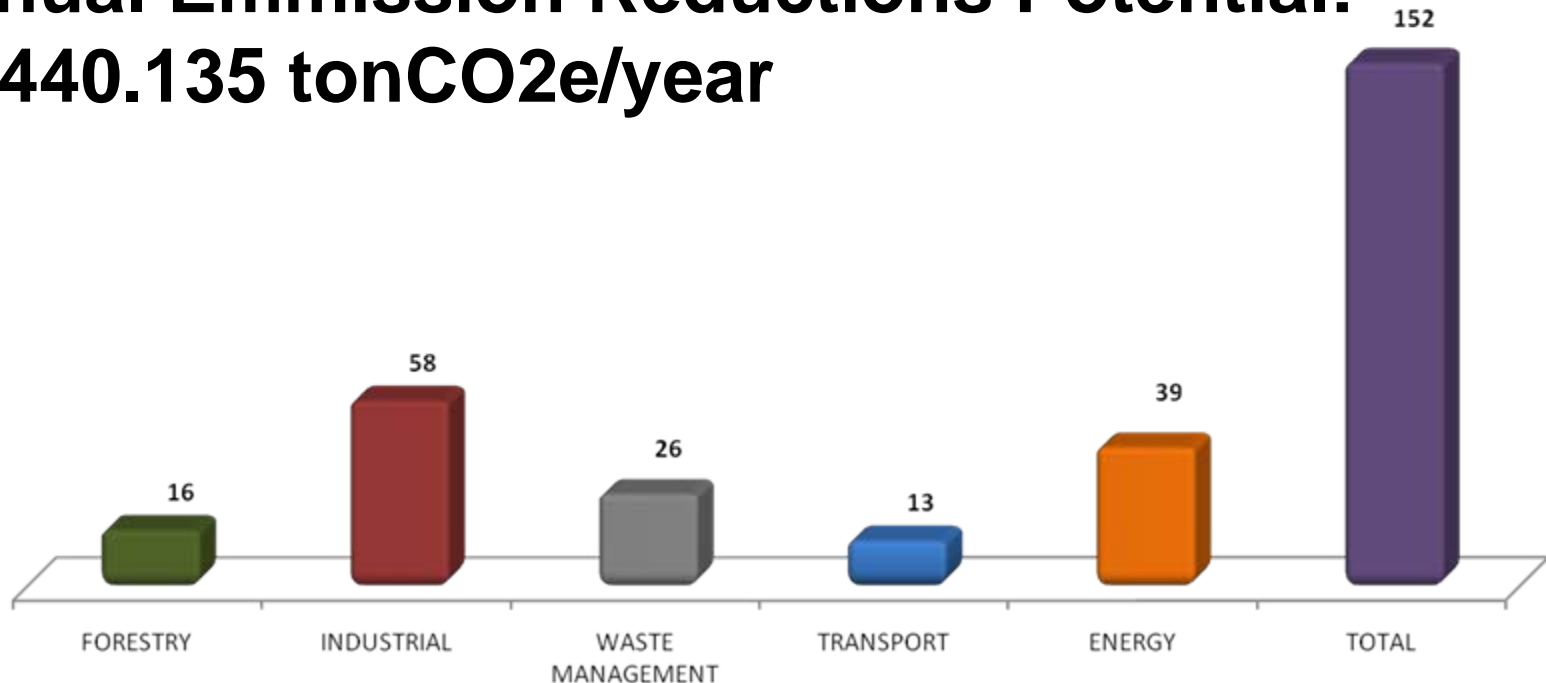


M2M Activities in Colombia

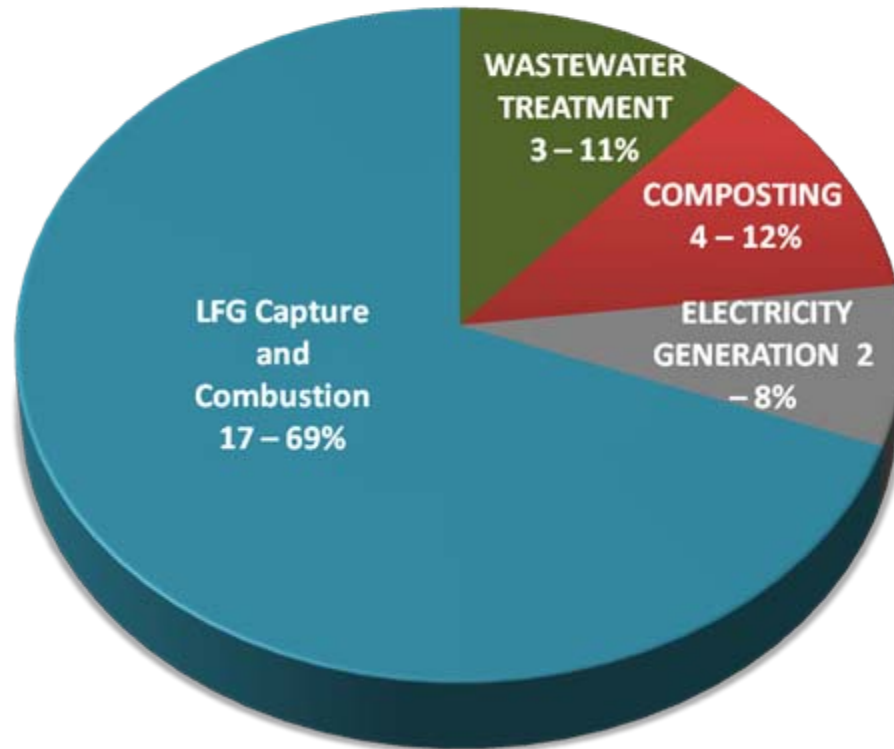
- **Workshops and Capacity Building:**
 - *Landfill gas opportunities, Barranquilla, March 2008*
 - *Landfill operations and LFG opportunities, Medellín April 2009*
 - *Side event International Waste Mgt Conference, Armenia, Ago 2009*
 - *Colombia Biogas Model, Medellín, Sep 2010*
- **Entities involved:**
 - *Grupo de Mitigación de Cambio Climático, Ministerio de Ambiente*
 - *Superintendencia de Servicios Públicos Domiciliarios*
 - *Centro Nacional de Producción más Limpia*
- **Country-specific profile & strategies:** *support needed (human resources)*



Annual Emmission Reductions Potential: 19.440.135 tonCO₂e/year



- **152** projects in the Colombia CDM pipeline – **USD 185 million dollars/year**
- **61 LoA** approved by DNA: Sustainable Development Contribution to Colombia – **5.323.660 tonCO₂e/year**
- **24** Registered by CDM EB – **3.404.517 tonCO₂e/year**
- **9** projects had issued **769.965 CERs**
- **ERPAs** representing **USD 87,8 million dollars** (2007 – 2010)



26 projects from Waste Management sector, emission reduction potential:
2.5 million tonCO₂e/year

This sector represents 17% of the Colombia CDM project portfolio

- **14 LoA** approved by DNA: Sustainable Development Contribution to Colombia
- **4** Landfill gas projects have been Registered by CDM EB
- **1** LFG project had issued **6.594 CERs** – **Antanas Landfill of Pasto**



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