

Over a decade of reducing methane emissions around the globe

Global Methane Initiative Partners Help...

...reduce methane emissions and encourage recovery and use of methane as an energy source.



Methane Matters...



Most prevalent manmade greenhouse gas after CO₂



Traps **28 times** more heat in the atmosphere than CO₂¹



Accounts for **32%** of climate forcing

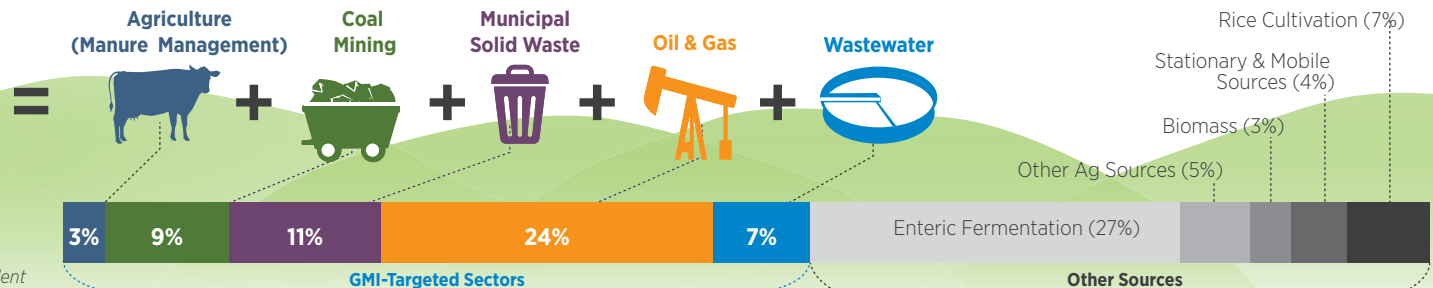


Short-lived climate pollutant, with atmospheric lifespan of **12 years**

GMI-Targeted Sectors...

...will account for **more than 5,000 MMTCO₂E** of total global manmade methane emissions by 2020.²

Projected Total Manmade Methane Emissions by 2020

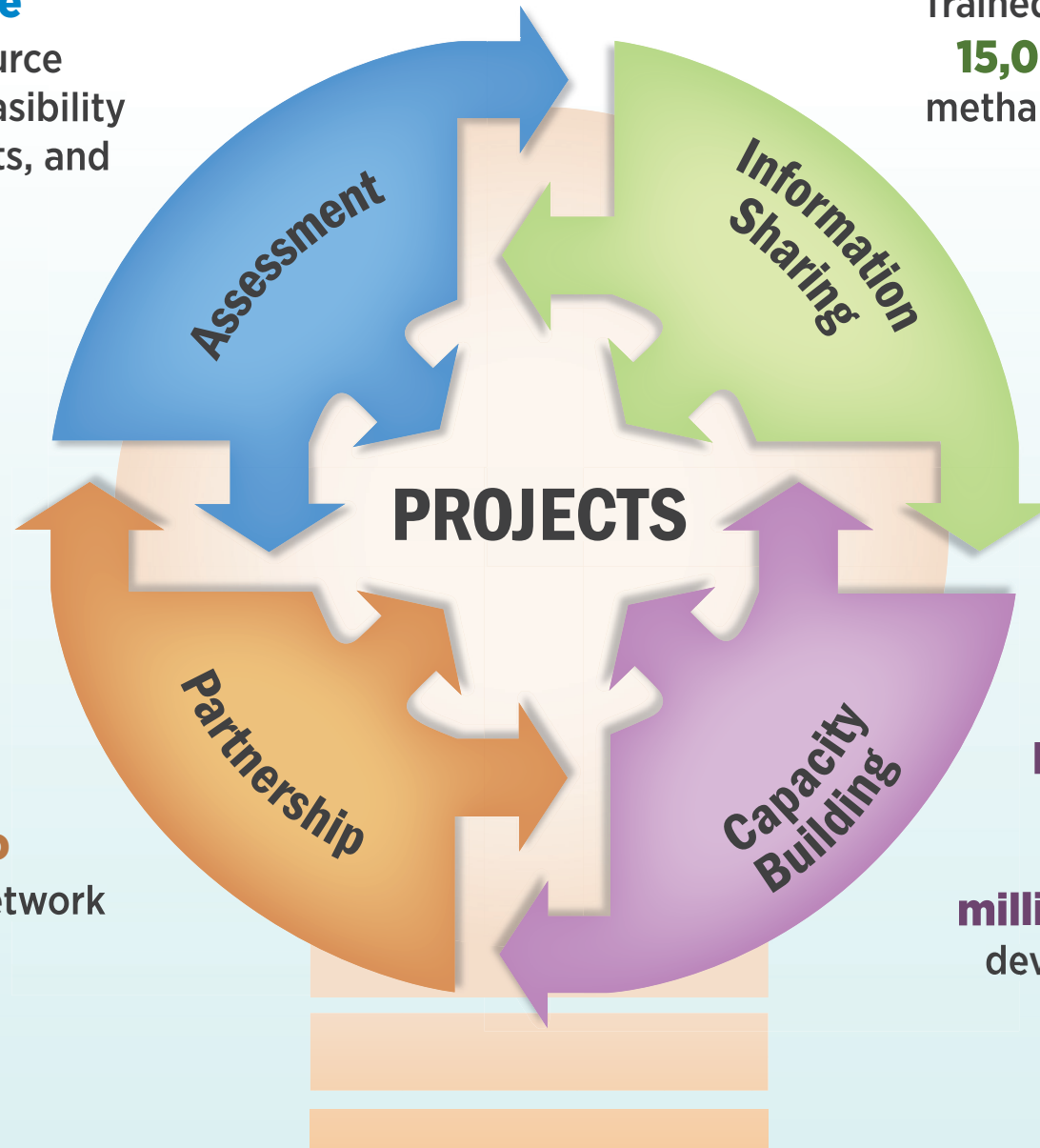


CO₂ = Carbon dioxide, CH₄ = Methane
MMTCO₂E = Million metric tons of carbon dioxide equivalent

GMI's Work Since 2004

Conducted **more than 600** resource assessments, feasibility studies, site visits, and study tours

Trained **more than 15,000** people in methane mitigation techniques

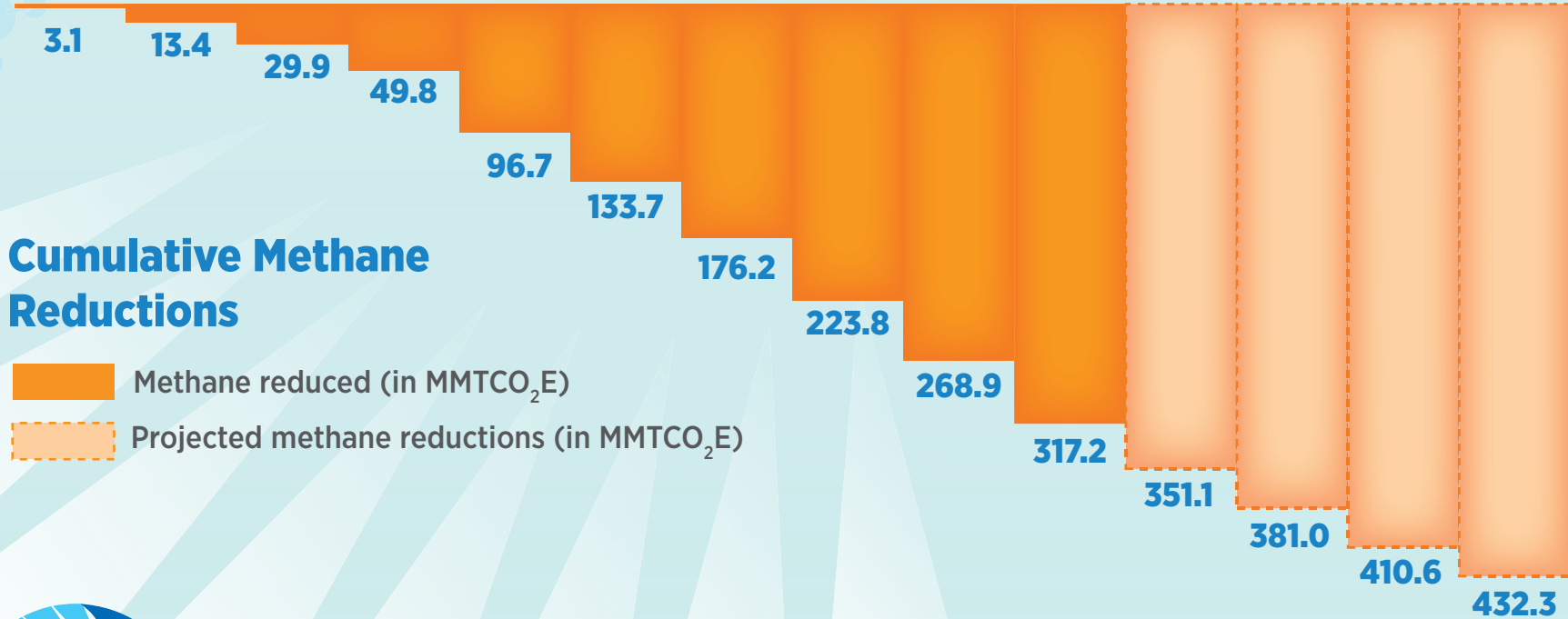


Grown **from 14 to 42** Partner Countries (plus the European Commission), and **from 100 to 1,300** Project Network members

Developed more than **50 tools and publications**, and leveraged nearly **\$550 million** for project development and training

Accomplishments

2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017



Benefits from Methane Projects...



Greenhouse gases
Reduces emissions to the atmosphere



Economic growth
Uses captured methane directly or to generate electricity



Energy security
Creates local, reliable energy source



Local environmental quality
Reduces air pollution and surface/
groundwater contamination



Worker safety
Minimizes explosive methane levels or fires



Human health
Reduces respiratory impacts associated
with high ozone levels

... which are equivalent to:

Annual greenhouse gas emissions from...



About **850 billion** miles/year
driven by an average passenger
vehicle

CO₂ emissions from...



Nearly **2 million**
railcars worth of coal burned

or



More than **800 million**
barrels of oil consumed

Carbon sequestered by.....



Nearly **10 billion** tree
seedlings grown for 10 years

To learn more about GMI, visit:

www.globalmethane.org

¹Intergovernmental Panel on Climate Change (IPCC), *Climate Change 2013: The Physical Science Basis—Working Group I Contribution to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*

²U.S. Environmental Protection Agency (U.S. EPA), *Global Anthropogenic Emissions of Non-CO₂ Greenhouse Gases: 1990–2030*

