

ASG Updates and the Global Methane Challenge

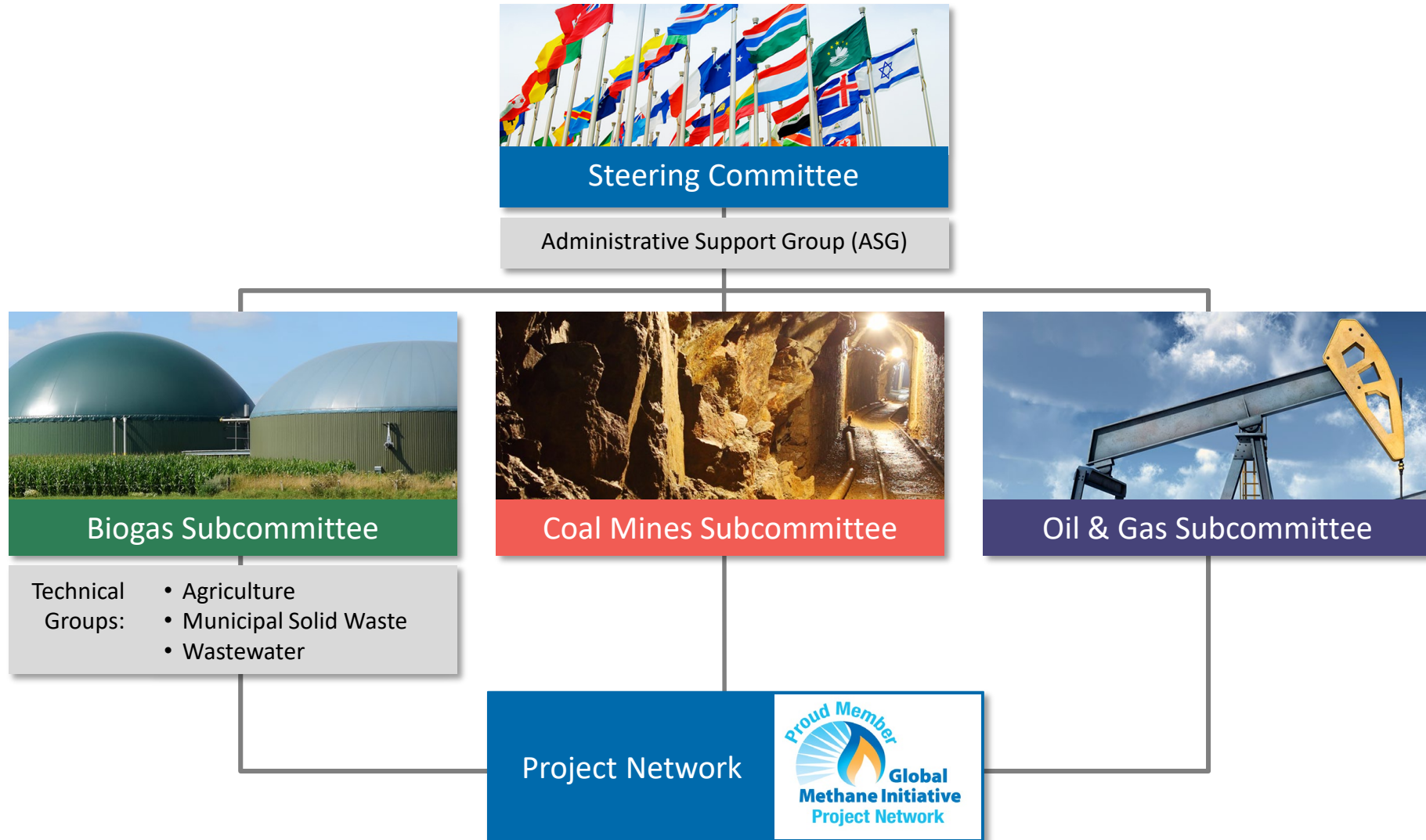
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28 October 2019



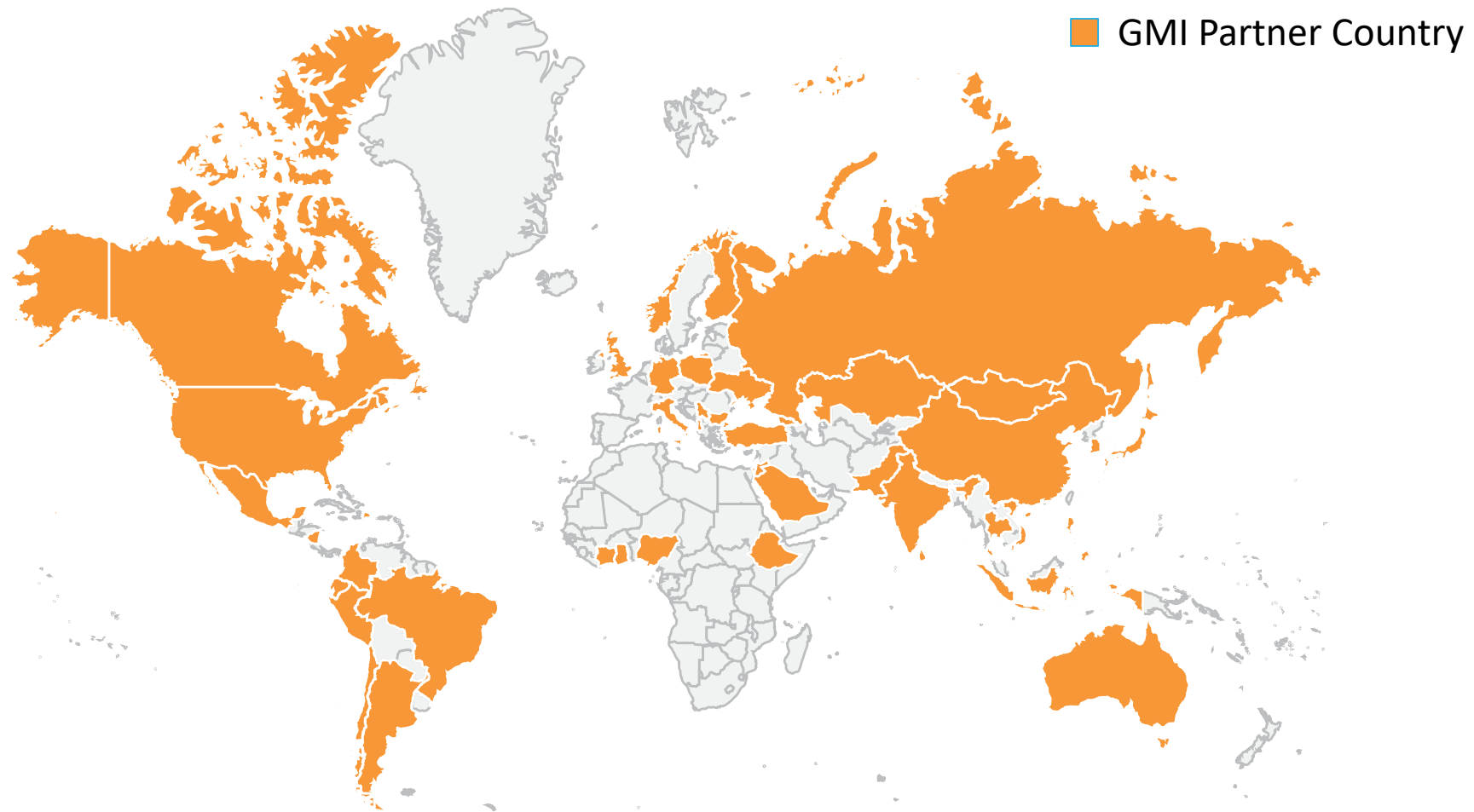
Overview of the Global Methane Initiative

- International public-private partnership focused on reducing barriers to the recovery and use of methane as a clean energy source (established in 2004; charter renewed in 2016)
- Includes 45 Partner Countries and more than 700 Project Network members
- Targets sector-specific areas for methane reduction
 - Biogas (Agriculture, Municipal Solid Waste, Municipal Wastewater)
 - Coal Mines
 - Oil & Gas Systems
- Collaborates with the Climate and Clean Air Coalition (CCAC), the United Nations Economic Commission for Europe (UNECE), and the International Energy Agency (IEA)

Organizational Structure



Partner Countries



GMI Partner Countries represent approximately 75% of the world's man-made methane emissions

Accomplishments Since 2004



Grown from 14 to 45 partner countries



More than \$610 million in leveraged funding for projects and training



More than 500 Project Network members



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



Provided trainings for more than 15,000 people in methane mitigation

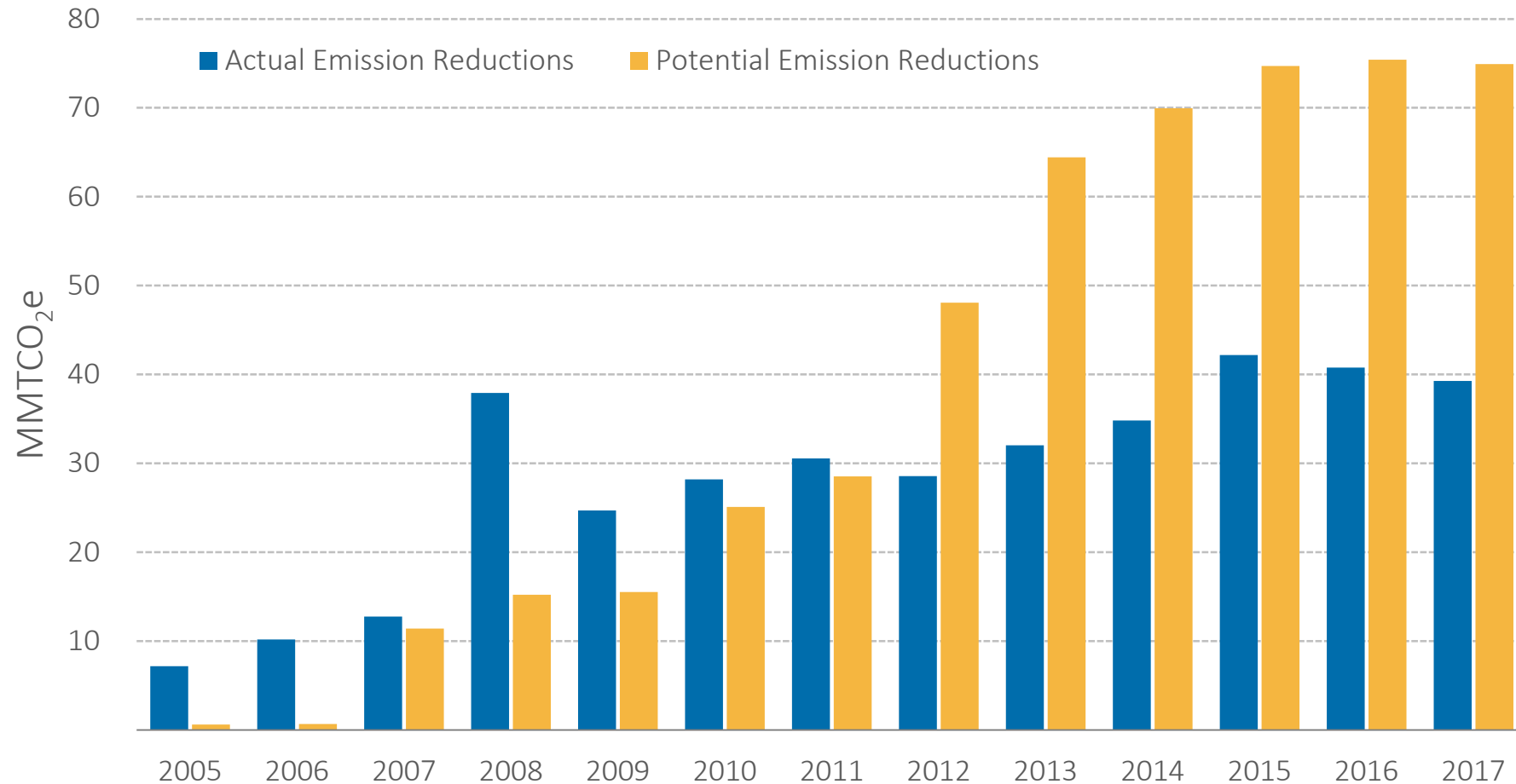


Developed more than 50 tools and resources for methane mitigation

GMI support has yielded cumulative emissions reductions of nearly **370 MMTCO₂e**, resulting in many benefits, including:

- Decreased greenhouse gases
- Improved human health
- Increased worker safety
- Better air and water quality
- Enhanced energy security
- Expanded economic growth

GMI Methane Emission Reductions



These data represent the best available yet conservative estimates of emission reductions, including actual emission reductions from GMI projects and potential emission reductions from other projects identified through GMI efforts.


GMI News and Updates

- GMI Website Enhancements
 - Home page
 - Sector pages
 - Project Network page
- Project Network
 - Quarterly Newsletter
- New Mailing List
- Social Media:

 [Facebook.com/globalmethane](https://www.facebook.com/globalmethane)

 [Twitter.com/globalmethane](https://twitter.com/globalmethane)

 [Linkedin.com/company/global-methane-initiative-gmi](https://www.linkedin.com/company/global-methane-initiative-gmi)



The screenshot shows the homepage of the Global Methane Initiative (GMI) website. At the top, there is a navigation bar with links for NEWS, ABOUT GMI, SECTORS, COMMUNICATION, and EXPLORE. A language selection dropdown is visible in the top right corner. The main header features the GMI logo, which consists of a stylized flame and sun icon, followed by the text "Global Methane Initiative". Below the logo, a paragraph describes the GMI as an international public-private partnership focused on reducing barriers to the recovery and use of methane as a clean energy source. To the right of the text is a world map highlighting GMI Partner Countries in orange. Below the map is a link to visit the Partner Country page. A prominent orange banner across the middle of the page reads "Global Methane CHALLENGE" and "It's time to take action!". Below this banner, there are three columns of content: "Methane Matters" with a video player thumbnail, "The Challenge" describing methane's impact on warming, and "The Opportunity" discussing the benefits of methane capture. At the bottom, a dark blue banner announces "New GMI Fact Sheet Available!" with "Download" and "Descargar" buttons.

Global Methane Forum 2020

- 23 – 27 March 2020 in Geneva, Switzerland
- Co-hosted with UNECE
- GMI Meetings:
 - Oil & Gas Subcommittee
 - Coal Mines Subcommittee
 - Biogas Subcommittee
 - Steering Committee
 - Plenary Session
- Capstone event to celebrate the Global Methane Challenge

Recommendations for topics?

Send recommendations to
ASG@Globalmethane.org

More details coming soon!



Global Methane Challenge

Global Methane
CHALLENGE

The logo for the Global Methane Challenge features the words "Global Methane" in a blue sans-serif font above the word "CHALLENGE" in a larger, bold, dark blue sans-serif font. The letter "H" in "CHALLENGE" is replaced by a stylized orange and yellow flame. To the right of the text is a graphic of a grid of blue squares that tapers to the right, resembling a digital arrow or a data stream.

Sponsored by  Global
Methane Initiative

View the Challenge Video at:
http://staging.globalmethane.org/challenge/video/draft/gmc_biogas2.mp4

Why Participate in the Challenge?

- Each Challenge participant will be publicly recognized for actions to reduce methane emissions
 - Opportunity to highlight new and ongoing efforts
 - “Challenge” website and GMI website and social media will showcase actions
 - GMI, CCAC and UNECE events will provide forum for sharing actions
- Challenge participants and actions will be celebrated at the 2020 Global Methane Forum
- Your efforts will help inspire other organizations to take ambitious actions towards methane mitigation
- Challenge submissions will be accepted until the end of the year

Examples of Actions



Wastewater Sector

- Installing anaerobic sludge digestion systems
- Installing biogas capture systems
- Installing new centralized aerobic treatment facilities or covered lagoons
- Installing degassing devices at the effluent discharge of anaerobic municipal reactors



Municipal Solid Waste Sector

- Gas collection/capture
- Electricity generation
- Direct utilization of gas
- Change in waste management practices
- Implement measures to reduce and recover food waste
- Organics diversion/organics management



Agriculture Sector

- Quantify methane emissions
- Maintain data for all large point sources
- Assess the costs of abatement and publish results
- Adopt anaerobic digestion technology
- Develop a network of centralized digester systems for improved economies of scale

Check out submissions and showcase your own actions at globalmethane.org/challenge

GLOBALMETHANE.ORG

HOME

THE CHALLENGE

ACTION MAP

ACTIONS

FAQS

TELL YOUR STORY



Global Methane CHALLENGE

It's time to take action! Join the Global Methane Challenge and showcase your work to reduce methane emissions.

The Global Methane Challenge is open to all public and private-sector actors interested in showcasing their actions to reduce methane emissions. The goal of the challenge is to catalyze ambitious action to reduce methane emissions and showcase policies and technologies being used to reduce methane emissions around the world. Learn more about the [Global Methane Initiative \(GMI\)](#).



The Challenge

The Global Methane Challenge is your chance to tell the world what you are doing to reduce methane emissions. Whether you are ready to make a new commitment or want to highlight an ongoing effort, we want to showcase it here.

Why methane?

- Methane is a powerful greenhouse gas, and emissions are on the rise
- Methane is a short-lived climate pollutant, so reductions made now can have significant short-term benefits
- Cost-effective technologies to capture and use methane are widely available today

Visit globalmethane.org/challenge

The screenshot shows the homepage of the Global Methane Challenge website. On the left is the logo for the Global Methane Initiative, featuring a stylized flame and sun. The main heading is "Global Methane CHALLENGE" with a flame icon in the letter 'A'. Below this, there is a call to action: "It's time to take action! Join the Global Methane Challenge and showcase your work to reduce methane emissions." A secondary paragraph explains that the challenge is open to all public and private-sector actors and aims to catalyze action to reduce methane emissions. On the right, there is an "Action Map" section with a world map showing GMI Partner Countries in purple and National Actions in orange. A yellow callout box points to the map, highlighting a specific action in Kazakhstan.

- Actions are highlighted on the website



Kazakhstan Wastewater Biogas Recovery Initiative

The Kazakhstan Ministry of Energy, Department of Renewable Energy, is interested in developing an initiative to analyze the potential for biogas recovery and utilization in the municipal wastewater treatment sector. The initial work is being undertaken with the collaboration of the Global Methane Initiative (GMI) and includes technical analyses, benchmarking against international norms and best practices, identification of the cost-effectiveness of biogas recovery, developing policy recommendations and regulatory initiatives, and supporting technical training of wastewater treatment plant (WWTP) operators.

The Department of Renewable Energy also considers this effort as a proxy for developing broader support for biogas utilization, including in solid waste disposal and agricultural waste, in the context of renewable energy development and emissions reductions.

Thank you!

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