

# Welcome!

Tomás Carbonell  
GMI Steering Committee Chair  
U.S. Environmental Protection Agency

## Tour de Table

- We will call on each participant / delegation to make brief introductions
- Each participant is invited to introduce themselves (name, affiliation, and country)



# Setting the Scene: Meeting Objectives and Agenda Review

Tomás Carbonell  
GMI Steering Committee Chair  
U.S. Environmental Protection Agency

# GMI Steering Committee Meeting Objectives



- Share and discuss methane-related activities, priorities, opportunities and needs across GMI and its Subcommittees, Partner Countries and Strategic Partners
- Review, revisit and confirm (or adapt, as necessary) GMI's overall strategic priorities based on discussions
- Chart a course for our activities leading to the 2024 Global Methane Forum

# Agenda: Day One

## Day One: 5 September 2023

**Welcome, Opening of the Meeting**

**Tour de Table / Brief Introductions**

**Setting the Scene:** Meeting Objectives

**GMI Today:** Accomplishments and Highlights

**Subcommittee Updates and Discussion**

**Collaboration and Progress on Methane Initiatives:** Updates and Discussion with Strategic Partners

**Lunch break**

**Country Updates** with Facilitated Discussion (Parts 1 and 2)

**Recap and Wrap-up of Day 1**

**Optional pay-your-own group dinner**



# Agenda Day Two

## Day Two: 6 September 2023

**Welcome, Recap of Day 1 and Goals for Day 2**

**Country Updates** with Facilitated Discussion  
(Part 3)

**2024 Global Methane Forum: Update and Discussion**

**Revisit Strategic Opportunities and Priorities:** Discussion

**Lunch break**

**Establishing a GMI Presence at COP28:**  
Discussion

**Steering Committee Meeting in March 2024:**  
Discussion

**Secretariat Update**

**Recap and Wrap-up of Day 2**

# Overview: GMI Strategic Priorities [Updated July 2022]

## Strategic Priorities:

1. Support global ambition to reduce methane emissions significantly by 2030
2. Support individual GMI country partners in their efforts to reduce global methane emissions through national action plans or national sector strategies
3. Support Project Network members in their efforts to engage in methane reduction commitments and partnerships

## Action Plan [actions within 1-5 years]:

1. Collaborate and align with key Strategic Partners to foster high-profile opportunities
2. Continue to engage with the private sector
3. Position GMI as a “methane mitigation resource center”

# **GMI Today: Members, Accomplishments, and Highlights**

GMI Secretariat





# **Global Methane Initiative**

**Leading methane action since 2004**

# 2022: Forum Highlights



## Global Methane, Climate and Clean Air Forum

a joint event sponsored by GMI and CCAC

- 5 high-level plenary sessions on global efforts to reduce emissions from methane and other short-lived climate pollutants
- 36 technical sessions bringing together practitioners, policymakers and technical experts
- 3 site visits to an anaerobic digester, landfill, and wastewater facility



# 2022: GMI International Methane Mitigation Activities and Impacts

Through GMI in 2022:

**9**

**countries**

supported activities where more than

**2,000**




**people**

received a total of approximately

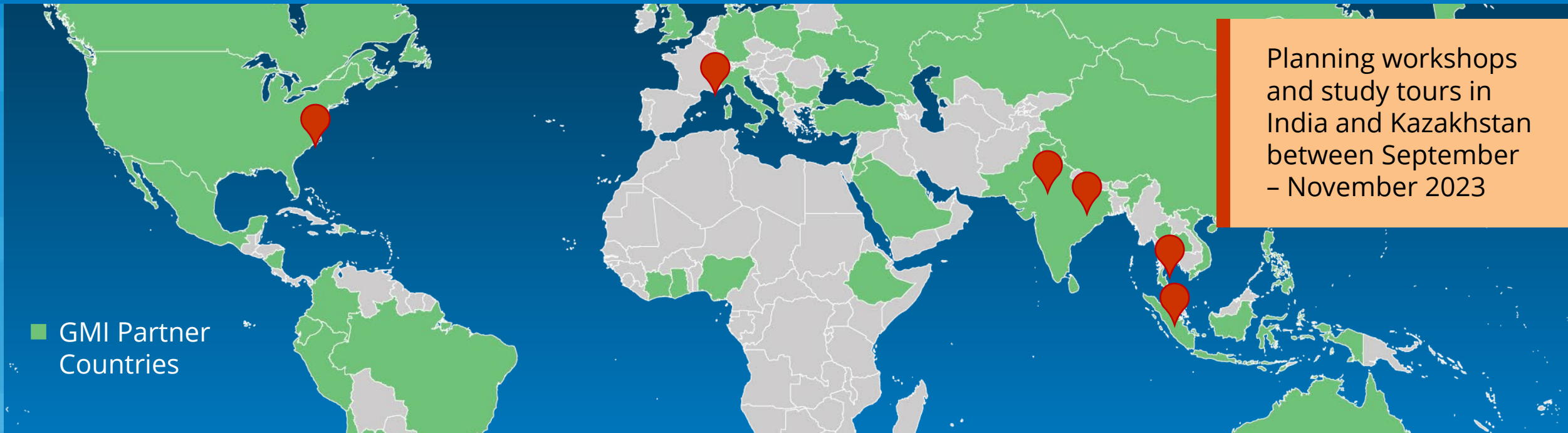
**19,000**

**hours**

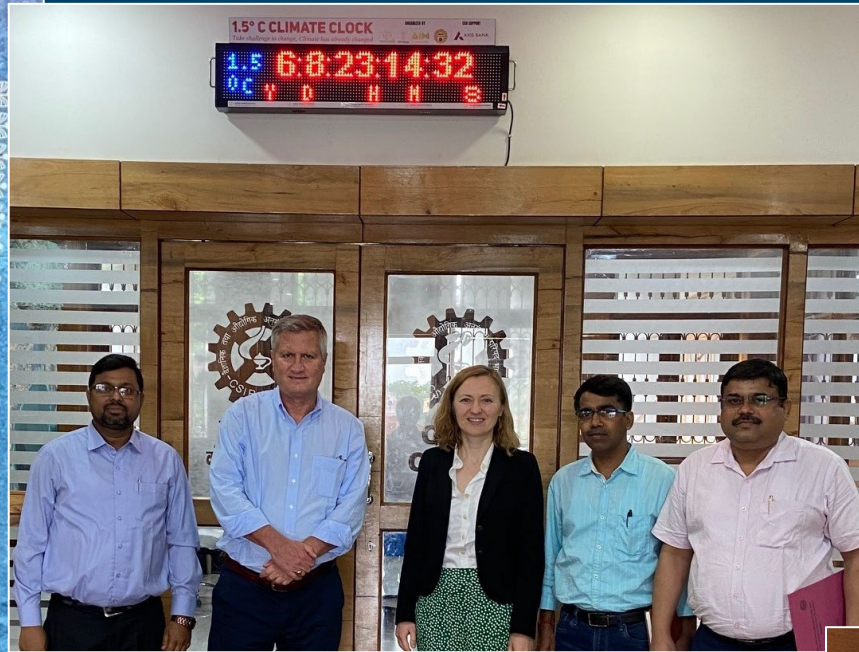
of training about reducing methane emissions and capturing methane for productive uses

 <b>Capacity Building/Information Sharing</b> fostering best practices	
<b>4</b>	<b>Workshops/Trainings</b> India, Mexico, and United States
<b>2</b>	<b>Manuals/Websites/Other Outreach</b> Partnership-wide
 <b>Assessments</b> identifying opportunities for emission reductions	
<b>13</b>	<b>Reports/Tools/Models</b> China, Colombia, India, Mexico, Serbia, United States, and Partnership-wide
<b>3</b>	<b>Study Tours/Other Technical Assistance</b> India, Serbia, and Partnership-wide
<b>3</b>	<b>Measurement/Pre-feasibility Studies</b> India, Kazakhstan, and Serbia
 <b>Partnerships</b> building relationships to foster action	
<b>24</b>	<b>GMI Meetings (Steering Committee/Subcommittees)</b> India, Mexico, Serbia, United States, and Virtual meetings (hosted from Switzerland and the United States)
<b>3</b>	<b>Conferences</b> Serbia, United States, Partnership-wide

# GMI is building capacity, engaging Partner Countries and providing technical assistance around the world in 2023



February 2023	March 2023	May 2023	June 2023	July 2023	September 2023
New Delhi, India	Geneva, Switzerland	Bangkok, Thailand	Kuala Lumpur, Malaysia	Ranchi, India	Washington, DC, USA
<b>World Sustainable Development Summit</b>	<b>GMI Oil &amp; Gas Subcommittee Meeting</b> <b>GMI Coal Mines Subcommittee Meeting</b>	<b>GMI Biogas Subcommittee Technical Workshop</b>	<b>GMI capacity building at Energy Asia</b>	<b>Improving inventories and management of methane emissions</b>	<b>GMI Steering Committee Meeting</b>
				 	



**GMI on the road building capacity in 2023!**

# Secretariat Priorities Through 2023

- Provide support to countries that are working to aggressively reduce methane emissions, including signatories of the Global Methane Pledge
- Support Subcommittee Co-Chairs to expand GMI Subcommittee membership
- Enhance promotion of GMI through targeted communications
- Leverage strategic partnerships to improve collaboration
  - For example, with the United Nations Economic Commission for Europe (UNECE), Climate and Clean Air Coalition (CCAC), Global Methane Hub, World Bank and the International Energy Agency (IEA)
- Plan the 2024 Global Methane Forum



Geneva, Switzerland  
March 2024

# Ongoing Secretariat Activities: Action Plan/Engagement Strategy Status 2023

## Objective 1: Refine key messages to market GMI to delegates and stakeholders

Potential Activities	Specific Actions	GMI Entity In Imple
Evaluate where GMI's technical strengths and expertise can add value for key stakeholders.	✓ Identify the specific strength, expertise, and role of GMI vis-à-vis other international organizations.	Secretariat
	✓ Identify the specific strength, expertise, and role of GMI can bring to key stakeholder groups to address their needs.	Secretariat
Identify key messages to articulate who we are, why we matter, and how we are different than other organizations.	✓ Identify key messages for GMI as a whole.	Secretariat
	✓ Identify tailored messages for target stakeholder groups.	Secretariat
Use key messages to market GMI to delegates and stakeholders.	✓ Develop "communications cheat sheet" with value add and key messages for each GMI stakeholder group to guide day-to-day communications and outreach (see sections II and III).	Secretariat
	✓ Identify communications channels through which GMI will communicate these key messages.	Secretariat, L Subcommitte

✓ Completed

● In progress/Exploring

## Objective 2: Strengthen the flow of information and cross-sector collaboration for internal stakeholders

Potential Activities	Specific Actions	GMI Entity Involved in Implementation
Ensure that all GMI Partners make efforts to rejuvenate their engagement with and participation in each of the Subcommittees.	✓ Conduct opt-in process for Subcommittees to refresh participation.	Leadership, Subcommittee Co-Chairs, Secretariat
Ensure robust communication between each of the Subcommittees and Steering Committee.	✓ Host regular Subcommittee Co-Chair meetings to discuss mutually beneficial work.	Subcommittee Co-Chairs and Steering Leadership
	✓ GMI Steering Committee Chair meets once per year individually with Co-Chairs of each Subcommittee to get feedback and input.	Subcommittee Co-Chairs and Steering Leadership
	✓ Make Subcommittee updates permanent item on Steering Committee meeting agendas.	Secretariat and Steering Leadership
	✓ Develop a roster/contact list with all Steering and Subcommittee delegates so delegates can more easily connect with each other.	Secretariat
	✓ Identify country Steering Committee delegates in Subcommittee delegate welcome letter (and vice versa).	Secretariat
	● Consider developing internal websites for each Subcommittee similar to the Steering Committee website.	Secretariat
	● Provide opportunities for the delegates to share information and updates outside of the Subcommittee meetings, such as regionally focused networking opportunities.	Subcommittee Co-Chairs, Secretariat

# Secretariat Action Items: Post April Steering Committee Meeting

- ✔● 1. Follow up on identified opportunities for collaboration
- ✔ 2. Establish Executive Planning Committee for the Global Methane Forum 2024 and begin preparations.
- ✔ 3. Finalize renewal of Steering Committee members.
- ✔ 4. Finalize Strategic Partner criteria and invite new Partners as appropriate.
- ✔ 5. Begin planning for September Steering Committee meeting.
- ✔● 6. Share key messaging and outreach materials developed under the Action Plan and Engagement Strategy.
- ✔ 7. Send to Steering Committee members the invite to the GMI Biogas Subcommittee in May in Bangkok.
- ✔ 8. Distribute meeting presentation and meeting summary.

✔ Completed

● In progress/Ongoing



# GMI renewed its Steering Committee and approved new chairs in 2023

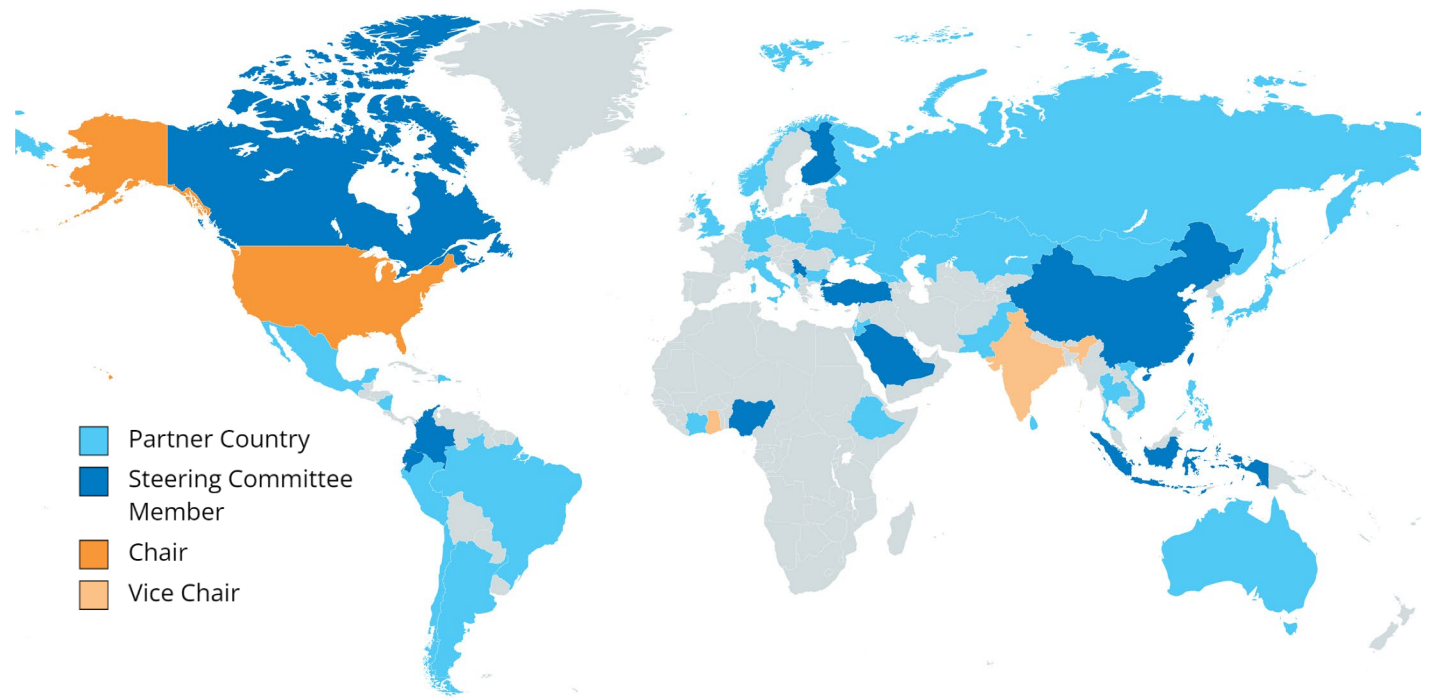
**Steering Committee Leadership**



Chair: United States



Vice Chairs: India and Ghana



**47** Partner Countries as of 2023

<b>Steering Committee Members</b>	Canada China Colombia	Finland Ghana (Vice Chair) India (Vice Chair)	Indonesia Nigeria Saudi Arabia	Serbia Turkey United States (Chair)
-----------------------------------	-----------------------------	---	--------------------------------------	---

# GMI is strengthening its Strategic Partnerships in 2023



- ✓ Building global networks of experts and stakeholders to address methane
- ✓ Identifying and connecting methane emission reduction opportunities with funding resources
- ✓ Advancing action plans based on climate policy and international energy trends
- ✓ Developing sector-based tools and training
- ✓ Pursuing new partnerships

# GMI is well underway in planning the Global Methane Forum 2024

**Mark your calendars to join us in Geneva in March 2024 for a prestigious event devoted to mobilizing methane action!**

**GMI launched an Executive Planning Committee with international membership in June**

**Expecting more than 300 in-person attendees representing**

- ✓ Delegates from GMI Partner Countries
- ✓ Climate experts and thought leaders
- ✓ Government representatives
- ✓ Private sector executives
- ✓ Multilateral development banks
- ✓ Nongovernmental organizations
- ✓ Finance institutions
- ✓ Philanthropies
- ✓ Environmental groups

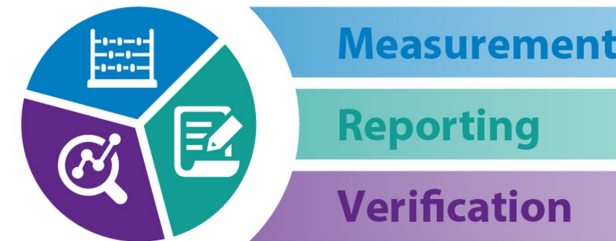




# GMI is refining key messages and delivery methods to expand reach

- Sharing and promoting new tagline and accomplishments through **mailing list** and **social media**
- Hosted a Measurement, Reporting, and Verification **webinar series** for biogas projects
- Providing **online training** for coal mine methane in multiple languages
- Developing **technical tools** and **fact sheets** accessible through the GMI website
- Finalizing a **Policy Makers' Toolkit**

## Leading methane action since 2004

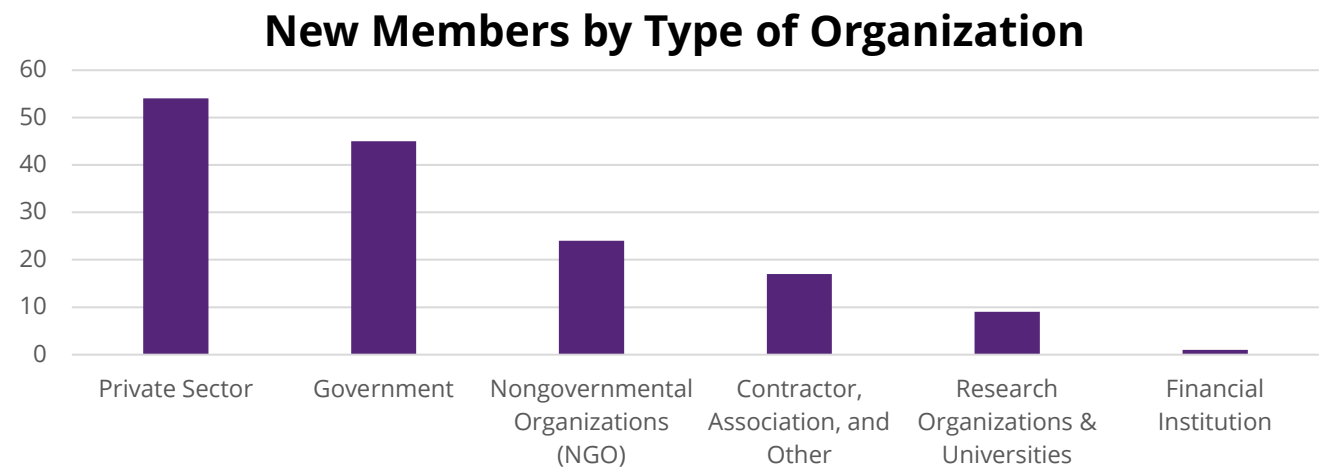


# GMI is continuing to add new Project Network Members

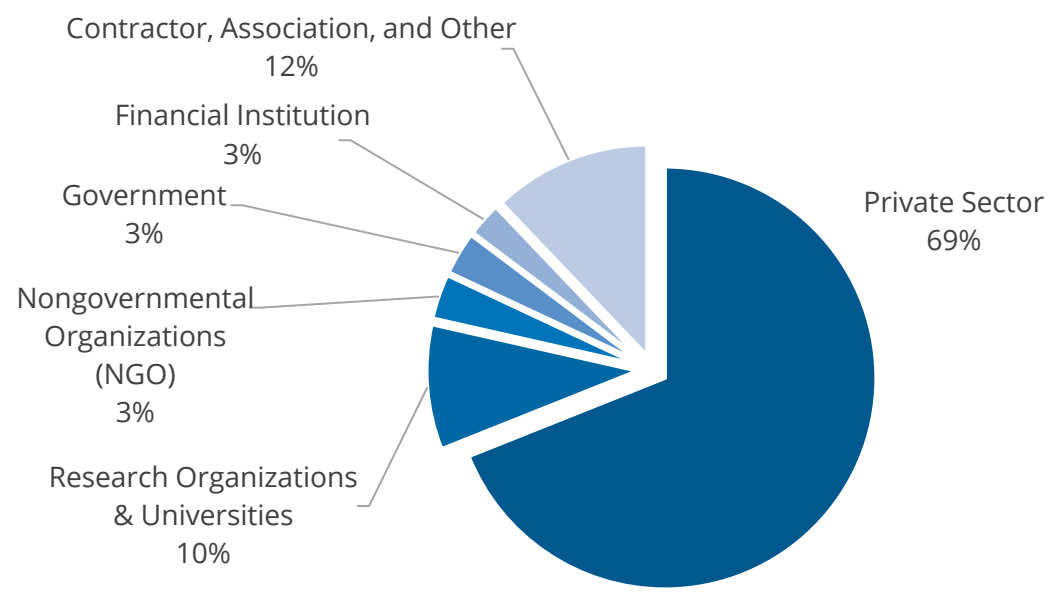


**150 organizations** joined GMI's Project Network in 2023 ... bringing **total members** to approximately **900!**

**20% in 2023**

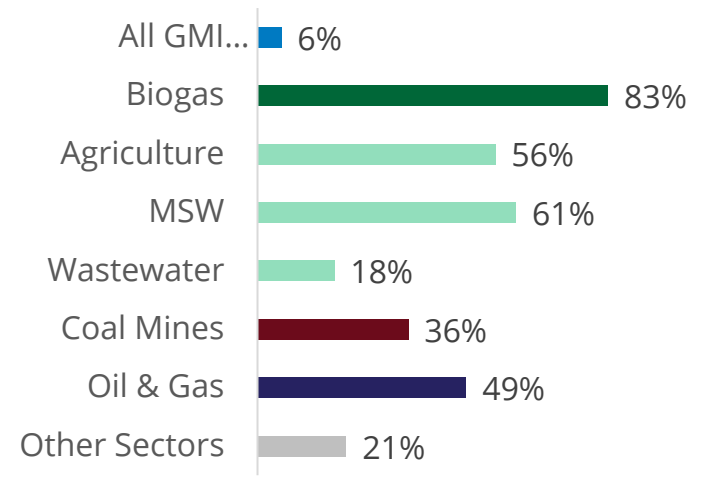


## Percent of Current Members by Type of Organization



## Percent of Current Members by Sector of Interest

*Most members identify multiple sectors*

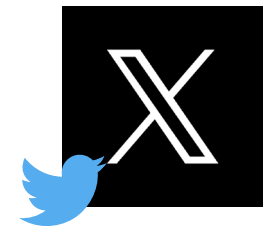


# GMI Outreach Statistics

- **Social media stats show growth in LinkedIn**
- **Mailing list subscribers up to 2,773**
  - Subscribers up more than 6% in 2023
  - 106 new subscribers in 2023
- **Website traffic remains steady**
  - Average about 2,800 page views per week
  - More than 94,000 users in 2023
  - Usage peaks reflect GMI events



**1,519**  
Followers  
(+438 since Nov 2022)

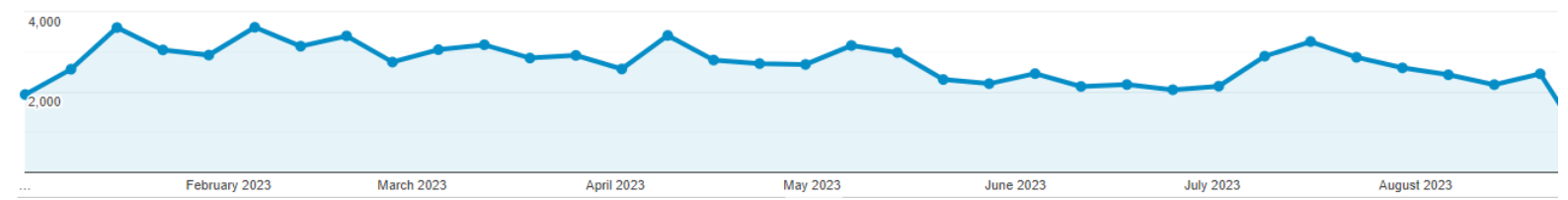


**926**  
Followers  
(+24 since Nov 2022)



**545**  
Followers

**globalmethane.org**  
Users throughout 2023



# Subcommittee Updates and Discussion



Coal Mines



Oil & Gas  
Systems



Biogas  
(Agriculture,  
Municipal Solid  
Waste, Municipal  
Wastewater)

# Coal Mines Subcommittee Updates

**Liu Wenge**, Co-chair  
China Coal Information Institute (CCII)  
(China)

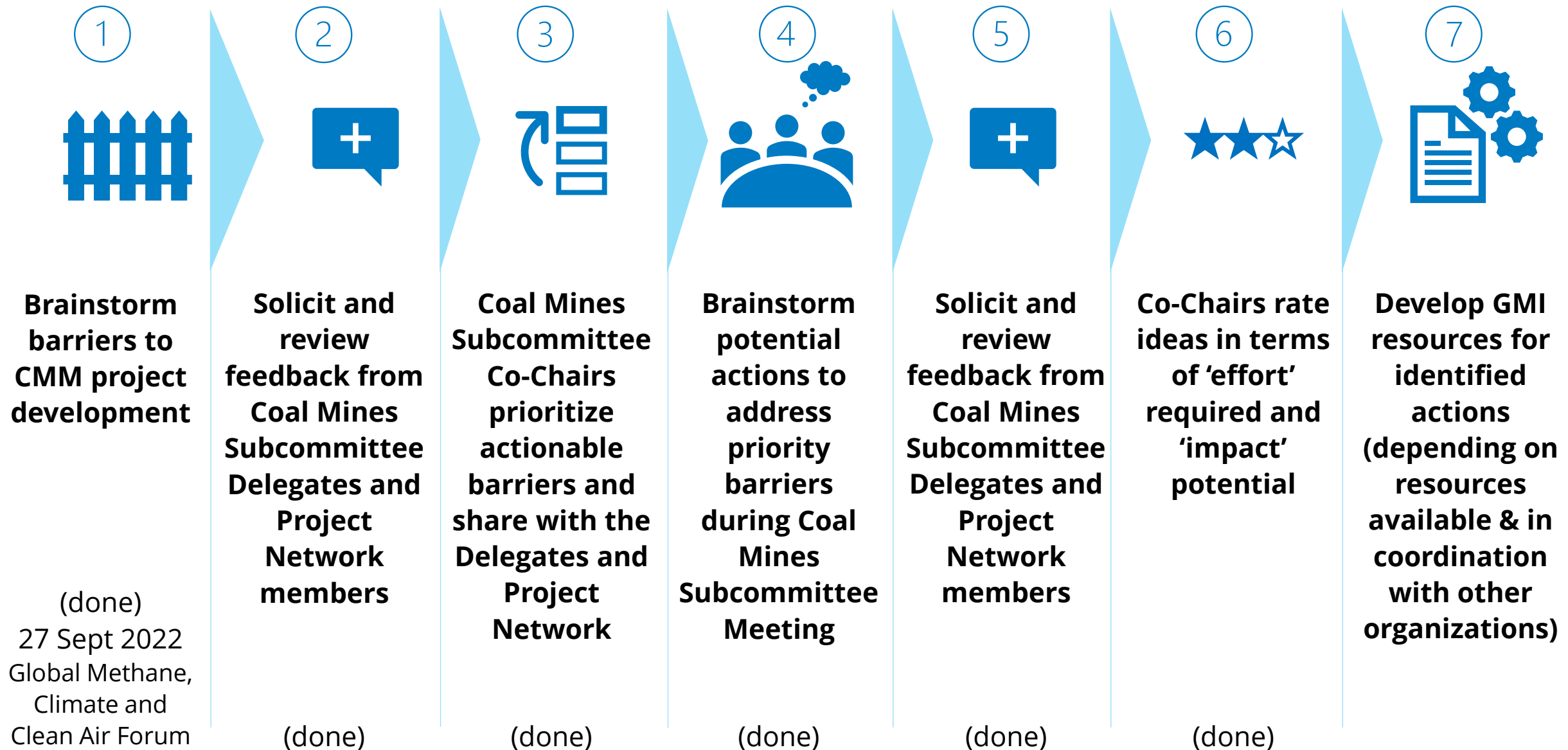
**Manoj Kumar**, Co-chair  
Central Mine Planning & Design Institute  
Ltd (CMPDI) (India)

**Volha Roshchanka**, Co-chair  
U.S. Environmental Protection Agency  
(EPA) (United States)





# Process for Identifying GMI Subcommittee Activities



# Context: Challenges, Opportunities and Priorities

- The Subcommittee and Project Network identified [36 barriers](#) that were ***legal/ regulatory, technical, market, or other***. Co-Chairs found the following challenges in the sector to be the most pressing:
  - **Legal/Regulatory**: Policymakers need data on how the coal sector can contribute to decarbonization so that they can realize the sector's mitigation potential (& develop supporting policies/regulatory frameworks)
  - **Legal/Regulatory**: Project developers/coal mines lack clarity on ownership of CMM/AMM; difficult to get access to the rights
  - **Technical**: Need to destigmatize, show projects can make money, and are technically feasible



# Subcommittee Activities and Accomplishments

- The Subcommittee continued to have brainstorming session on potential solutions to challenging to methane mitigation in the coal sector
- To address top challenges, the community identified over **80 approaches**, that suggested the following:
  - Existing technical information should be adapted to be more accessible to policymakers. Focus on getting information on the sector's mitigation potential (scale and relative costs) to the right people
  - Better technical data and methodologies should show the dynamic/variable nature of emissions, estimate reserves of methane at abandoned mines, and be verified/reconciled, incl. with remote sensing data
  - Data on emissions from coal mines should be based on measurements and made public in a format that is easy to understand
  - Rights to methane at abandoned mines should be assigned quickly as reserves decline

# Upcoming Plans for Tools Resources and Events

- The Co-Chairs have ranked 30 selected ideas for the Subcommittee to implement. The top ranked ideas were:
  - Develop case studies with Marginal Abatement Curves (MAC) and country-specific analyses, case studies that show the economics of technological/policy solutions, and coal sector mitigation potential among those solutions
  - Update the GMI technology database as well as add costs, examples, suppliers; also make it more interactive
  - Develop easy to follow training (webinars, online/interactive, in-person) on how emissions are estimated through top-down methods
- The Subcommittee will look into these ideas in the coming year. They seem suitable to address some of the challenges identified earlier.

# Oil & Gas Subcommittee Updates

James Diamond, Canada  
Subcommittee Co-Chair



# Context: Challenges, Opportunities and Priorities

- International Energy Agency: The energy sector is responsible for nearly 40% of total methane emissions attributable to human activity, second only to agriculture. Reporting a slight rise in methane emissions, from 2021. With existing technology in the oil and gas sector, emissions can be reduced by over 75%
- Comprehensive policy proposals and programs in several key jurisdictions: Canada, Colombia, Europe, Mexico, Nigeria, Saudi Arabia, United States
- Inventory data is lacking; active measurement and data consolidation campaigns tend to gather oil and gas sector information (first): International Methane Emissions Observatory
- Still...individual oil and gas company approach crucial to advance mitigation opportunities and data sharing
- For GMI:
  - Objective 1: Serve as a methane knowledge center for the oil & gas sector
    - Virtual oil & gas technical sessions, Forum Agendas
    - Recognize and promote oil & gas-related events on GMI website
  - Objective 2: Facilitate policy and project implementation through capacity building and technical assistance

# Subcommittee Activities and Accomplishments

- The GMI Oil & Gas Subcommittee focuses on identifying and deploying practical and cost-effective methane mitigation technologies and practices. The Subcommittee's objective is to reduce or eliminate emissions from oil and natural gas systems by encouraging collaboration between Partner Countries, Subcommittee members, and Project Network members.
- Building Resources
  - Identifying and Evaluating Opportunities for Greenhouse Gas Mitigation & Operational Efficiency Improvement at Oil and Gas Facilities (2020)
  - Best Practice Guidance for Effective Methane Management in the Oil and Gas Sector: Monitoring, Reporting and Verification (MRV) and Mitigation (2019)

# Upcoming Plans for Tools Resources and Events

- Focus on 2024 Global Methane Forum
  - With partners or coordinating events: CERAWeek, Society of Petroleum Engineers, Methane Mitigation Europe, Emmett Institute on Climate Change and the Environment (UCLA)
- Provide targeted support to facilitate implementation of mitigation projects
  - Canada - Methane Mitigation and reduction in the oil and gas sectors: Challenges and Opportunities in Nigeria (2024-26)
  - United States - Emission factor approach to improve GHG inventory in Indonesia
  - United States - Direct measurement approach to improve GHG inventory in Philippines



# **Biogas Subcommittee Updates**

Monica Shimamura and  
Matt Hamilton

Subcommittee Co-Chairs



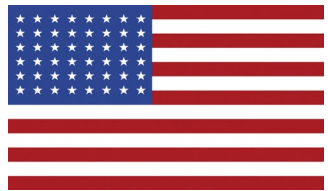
# Biogas Subcommittee

- The GMI Biogas Subcommittee oversees the work of three sectors of involvement:
  - Agriculture (manure and agro-industrial wastes and residues)
  - Municipal Solid Waste
  - Municipal Wastewater
- The Subcommittee is linked by interests and similarities between biogas energy use, the types of wastes managed, waste treatment technologies (specifically in organic waste treatment), and the potential for synergistic projects involving input streams from multiple sources.
- Every country has agriculture waste, solid waste, and wastewater

## Biogas Subcommittee Co-Chairs



Matt Hamilton, Environment and Climate Change  
Canada (ECCC), Canada



Monica Shimamura, U.S. Environmental Protection  
Agency (EPA), United States

# GMI Support for the Biogas Sector

- Encompasses solid waste, wastewater, and agriculture sectors, including:
  - Anaerobic digestion
  - Composting
  - Landfill gas
  - Co-digestion
- Support to overcome technical, financial, policy and communication barriers in the development of biogas projects
  - Developing tools and resources
  - Providing technical assistance
  - Workshops and trainings



# GMI Biogas Subcommittee Technical Workshop – May 2023

## ■ Key messages:

- Biogas projects in Southeast Asia still face many challenges. Most biogas projects are at the household level and do not remain in operation after the first few years.
- Every country faces different challenges related to the implementation of biogas projects and the solutions will vary widely by country. Country representatives agree that their national government must play a role in implementing regulatory changes to encourage the production of biogas as a way to reduce methane emissions.
- Regional similarities in biogas policies, challenges, and benefits exist, therefore it is advantageous to host webinars, trainings, and capacity building workshops with a regional focus.
- There is an opportunity to involve the private sector in implementing biogas projects. The private sector can often offer more solutions in terms of investments and technologies that are applicable to a country's specific situation.
- In the future, where it's possible, co-locating the GMI Biogas Subcommittee meeting with the CCAC Annual Meeting is a benefit to both organizations and should be considered when planning the next meeting.

# Upcoming Subcommittee Priorities

- Planning a virtual workshop series focused on landfill gas in last quarter 2023 and first half of 2024
- Developing a strategy to guide the Subcommittee moving forward
  - Identify partners
  - Connect stakeholders that need support with those who offer it
  - Accelerate methane projects
- Tools/resources in development:
  - Waste Characterization Tool
  - Policymaker's Framework

## **We are looking for a Co-Chair!**

- The Biogas Subcommittee Co-Chairs are looking to recruit a third Co-Chair
  - Interested in someone working in the agriculture sector
- Please email the Secretariat with any recommendations

# **Collaboration and Progress on Methane Initiatives: Updates and Discussion**

Tomás Carbonell  
GMI Steering Committee Chair  
U.S. Environmental Protection Agency



# Collaboration and Progress on Methane Initiatives: Updates and Discussion with GMI's Strategic Partners

- **Facilitator:** Tomás Carbonell, GMI Steering Committee Chair, U.S. Environmental Protection Agency
- Dario Liguti, United Nations Economic Commission for Europe (online)
- Sandra Cavalieri, Climate & Clean Air Coalition
- Global Methane Hub (online)
- Zubin Bamji, World Bank (TBC)
- Tomás Bredariol, International Energy Agency (online)

# **Group Photo and Lunch Break (90 minutes)**

# Country Updates with Facilitated Discussion

Daniel Benefoh  
GMI Steering Committee Vice Chair  
Ghana Environmental Protection Agency, Ghana

# Country Updates with Facilitated Discussion (Part 1)

## ■ **Facilitator**

- Dr. Daniel Benefoh, GMI Steering Committee Vice Chair, Ghana Environmental Protection Agency, Ghana

## ■ **Ghana**

- Dr. Daniel Benefoh and Mrs. Juliana Bempah

## ■ **India**

- Mr. M. Nagaraju, Mr. Ajay Kumar, and Mr. Chiranjib Patra

## ■ **Saudi Arabia**

- Mr. Faisal Al Qurooni and Mr. Faisal Al Musa

# Global Methane Initiative (GMI) Steering Committee Meeting India Coal Sector Update

5<sup>th</sup> – 6<sup>th</sup> September, 2023  
Central Mine Planning & Design Institute



# Presentation Outline

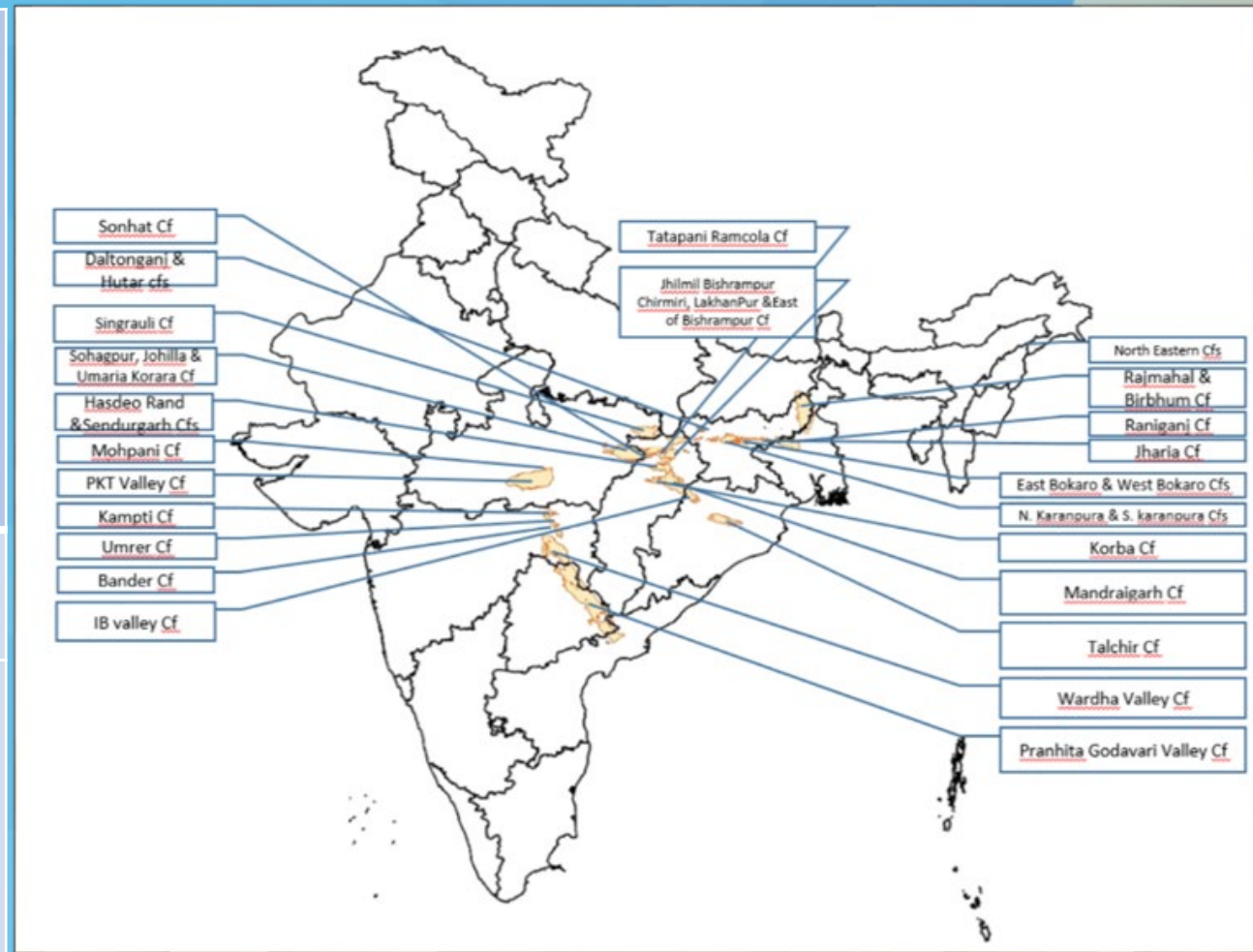
- Coal: Epitomizes energy in India
- Coal Bearing Areas in India
- Development of CBM: India's Perspective
- Development of CBM/CMM: CIL/CMPDI's Endeavour
- Ways Ahead

# Coal: Epitomizes Energy in India

- India's total Coal resource is about 361 Billion Tonne
- India is the 2<sup>nd</sup> largest coal producing country after China with the coal production of about 893.19 Million Tonne (MT) in 2022-23 (Coal India Limited contribution: 703 MT)
- India targeted to increase the Coal production up to 1.3 Billion Tonne by 2024-25.
- Studies suggest that Coal will remain the main source of energy supply in foreseeable future in India.
- around 55% share in meeting India's total primary energy requirement;
- 75% share in power generation.

# Coal Bearing Areas in India

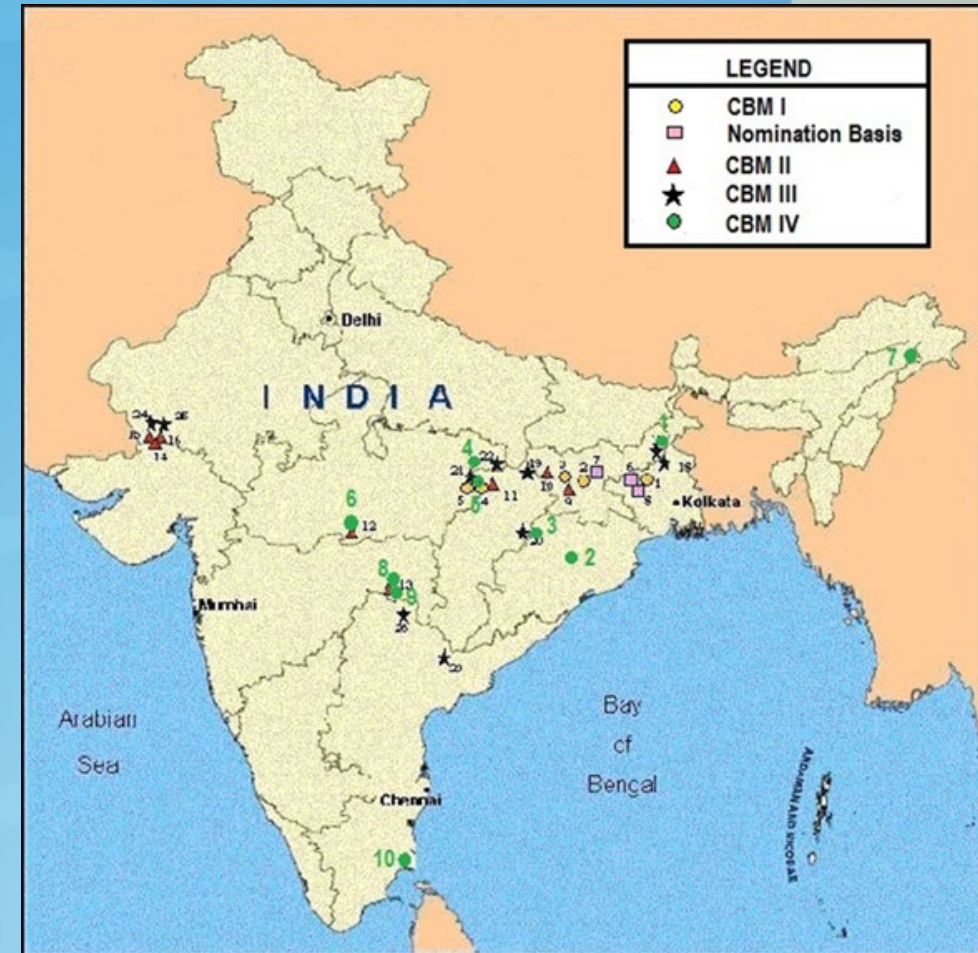
<b>Total No. of Coal bearing Basins</b>	<b>7</b>	<ol style="list-style-type: none"> <li>1. Damodar Koyel valley</li> <li>2. Deogarh</li> <li>3. Rajmahal</li> <li>4. Mahanadi valley</li> <li>5. Son valley</li> <li>6. Godavari</li> <li>7. Assam-Arakan</li> </ol>
<b>No. of CFs</b>	<b>61</b>	<b>39 Gondwana CFs, 22 Tertiary CFs</b>
<b>Total Prognosticated Coal bearing area (Sq. Km)</b>	<b>Around 33000</b>	<b>Gondwana CFs: 31,984 Tertiary CFs : 986</b>





# Development of CBM: India's Perspective

- **CBM Policy** was formulated in India in July, 1997;
- **Directorate General of Hydrocarbons** under MoPN&G is the nodal agency for the CBM Development in India;
- **32 Blocks** have been awarded through four CBM rounds of Global bidding till 2008;
- **4 Blocks** have been awarded through Special CBM bid round 2021;
- **Presently four Blocks** are under Commercial Production, four Blocks are under Development and four Blocks are under Exploration Phase;
- **Currently CBM production** from country is about 1.9 MMSCMD;



# Development of CBM: India's Perspective

- Government of India has offered 16 CBM Blocks covering an area of about 5800 Sq km and spread across 7 states under Open Acreage Licensing Policy ("OALP") under Special CBM Round 2022.

Sl. No.	Block	State	Area (Sq.Km.)	Coalfield
1	BP-ONHP(CBM)-2022/1	Jharkhand	564.21	Rajmahal
2	BP-ONHP(CBM)-2022/2	West Bengal	197.04	Birbhum
3	PG-ONHP(CBM)-2022/1	Maharashtra	331.21	Wardha Valley
4	PG-ONHP(CBM)-2022/2	Maharashtra	708.87	Wardha Valley
5	PG-ONHP(CBM)-2022/3	Telangana	443.65	Godavari Valley
6	PG-ONHP(CBM)-2022/4	Telangana	195.40	Godavari Valley
7	PG-ONHP(CBM)-2022/5	Telangana	284.14	Godavari Valley
8	SR-ONHP(CBM)-2022/1	Madhya Pradesh	272.14	Singrauli
9	SR-ONHP(CBM)-2022/2	Madhya Pradesh	222.13	Singrauli
10	SR-ONHP(CBM)-2022/4	Madhya Pradesh	418.18	Johilla
11	SR-ONHP(CBM)-2022/5	Madhya Pradesh	210.60	Sohagpur
12	SR-ONHP(CBM)-2022/3	Chhattisgarh	407.80	Tatapani-Ramkola
13	SR-ONHP(CBM)-2022/6	Chhattisgarh	88.01	Sonhat
14	SR-ONHP(CBM)-2022/7	Chhattisgarh	590.00	Mand-Raigarh
15	SR-ONHP(CBM)-2022/8	Odisha	190.70	IB Valley
16	SR-ONHP(CBM)-2022/9	Odisha	693.33	Talcher

# Development of CBM/CMM: CIL/CMPDI's Endeavour

## 1. Jharia CMM/CBM Block-I (BCCL):

- Jharia CBM Block-I having area 26.55 sq km and resource of 25 BCM has been awarded to M/s PEPL for CBM Development through Global bidding.
- Block is under Exploration Phase.

## 2. Raniganj CMM/CBM Block (ECL):

- Raniganj CBM Block having area 32 sq km and resource 2.2 BCM.
- Efforts are being made for development of this Block.

# Fugitive Emission Estimates in India

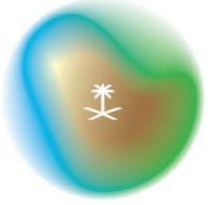
- CMPDI along with USEPA currently working on Fugitive Emission Estimates from Surface Mines of India.
- Project is proposed in three phases:
  - Develop an approach for estimation of emissions from surface mines in India
  - Disseminate results of the previous activities to ensure their acceptance in India and beyond
  - Advance mitigation of coal mine methane at active and abandoned mines in India
- Project duration: 18 Months

# Ways Ahead

- Keeping in view the technical challenges likely to be faced in CBM/CMM development within CIL Areas, transfer of technology from Global Methane Initiative (GMI) partner countries would be desired.
- Sequential Extraction of Coal and CBM – Need for ensuring safe coal mining after extraction of CBM.
- India is taking all efforts to make coal mining sustainable to environmental, social and economic dimensions.

Thank You  
धन्यवाद





# Methane Emissions Mitigation in the Oil and Gas Industry in Saudi Arabia

Saudi Arabia – GMI SC Update  
September 2023

# KSA has maintained an upstream methane intensity<sup>1)</sup> of 0.05% in 2022, which is already well below the OGCI ambition to achieve 0.20% by 2025

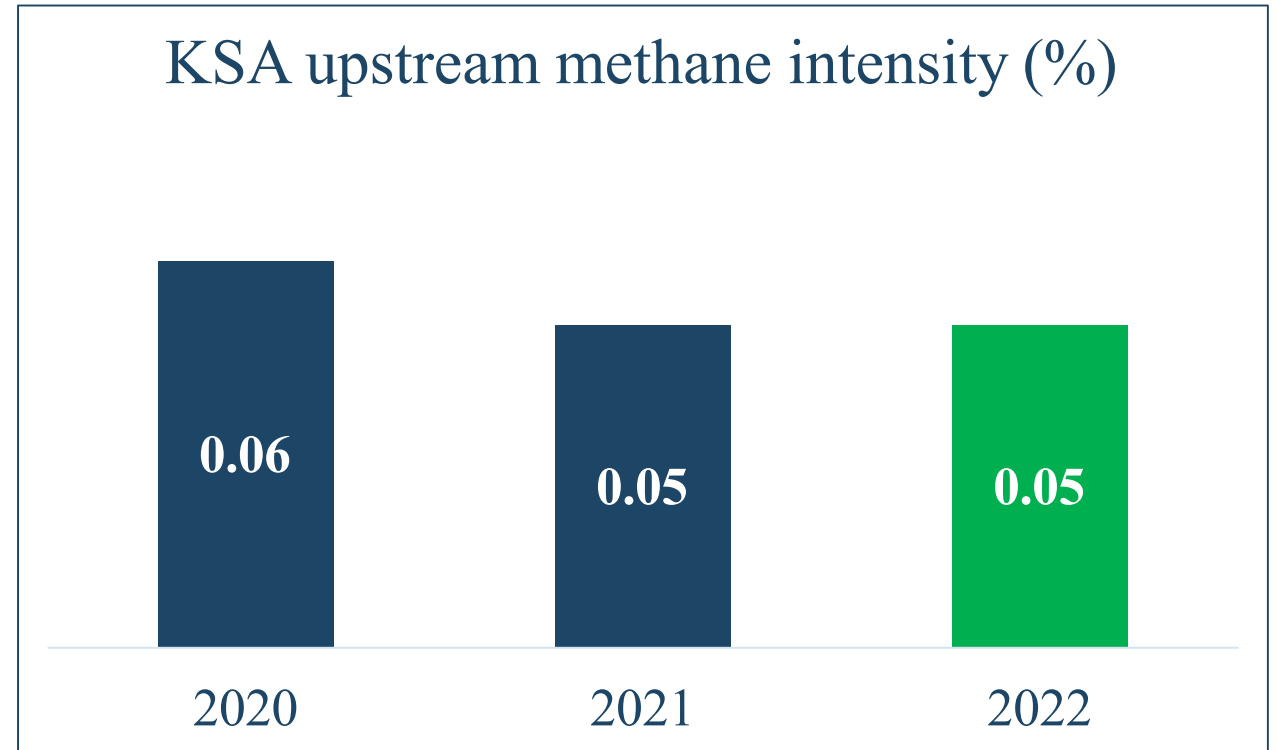
KSA's upstream methane intensity and reduction efforts

## This has been achieved through:

- 1 Flare minimization
- 2 Leak detection and repair programs and deploying breakthrough technologies

## And will be enhanced by:

- 3 Commitments and pledges





# KSA has reduced its flaring intensity<sup>1)</sup> in 2022 to 4.61 scf/boe (the lowest ever) compared to 5.51 scf/boe in 2021 – And is committed to reach ZRF<sup>2)</sup> by 2030

## Flare minimization achievements and targets

### The master gas system

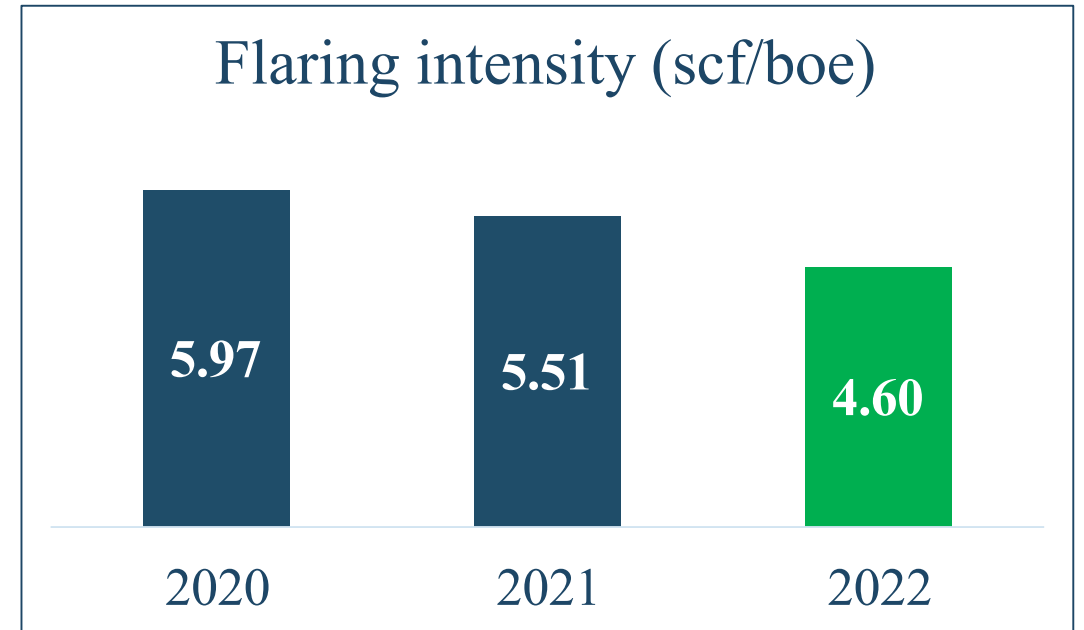
Developed in the 1970s to capture and reuse gas, which eliminated associated gas flaring

### The flare minimization roadmaps

A comprehensive flare minimization roadmap has identified priorities, plans and targets for all facilities, which led to maximized flaring reduction

### The flare gas recovery systems (FGRS)

Significant investments, installations and improved operations of in-house FGRS across several facilities. Two new FGRSs were installed in 2022



**A flare volume of < 1% of total raw gas production has been maintained since 2012**



## In addition, a comprehensive LDAR (leakage, detection and repair) program covering all operating facilities and tagging millions of components is deployed

### Methane leak detection and repair program

#### The leak detection program...

Detect & quantify



Repair leaks



Verify leak reduction



#### ...is exhaustive by design



LDAR was applied to **all operating facilities in KSA and thousands of points** (valves, flanges, connectors, pumps, compressors, and tanks) were surveyed to minimize methane leaks



In addition to LDAR, **detection solutions** and technologies such as the use of **satellite monitoring, drones, and unmanned aerial vehicles** are being assessed and deployed



# Striving for even more, KSA pledged to reduce upstream methane emissions to near zero and to participate in the efforts to cut 30% of methane emissions by 2030

KSA's methane commitments and pledges

## Near zero-methane initiative



Saudi Aramco is an establishing member of the zero-methane initiative

## The global methane pledge



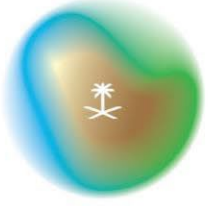
Saudi Arabia is a participant in the global methane pledge

## Zero Routine Flaring initiative



Saudi Aramco is committed to the World Bank's "Zero Routine Flaring by 2030"





**Thank You**

# Facilitated Discussion

- **Successes?**
- **Challenges?**
- **Lessons learned?**
- **Areas where GMI support was or could be helpful?**

# Health Break



**15**

minutes



# Country Updates with Facilitated Discussion (Part 2)

## ■ **Facilitator**

- Dr. Daniel Benefoh, GMI Steering Committee Vice Chair, Ghana Environmental Protection Agency, Ghana

## ■ **Canada**

- Dr. Diane de Kerckhove

## ■ **Finland**

- Dr. Kaarle Kupiainen

## ■ **Turkey**

- Dr. Hasan Hüseyin Erdoğan

# CANADA'S ACTION ON METHANE

**GMI Steering Committee**

**September 2023**

**Dr. Diane de Kerckhove**



Environment and  
Climate Change Canada

Environnement et  
Changement climatique Canada

Canada 



# METHANE COMMITMENTS

- Global Methane Pledge
  - Joined in November 2021
  - Canada is motivated to lead by example by advocating for methane action and accelerating implementation of the Pledge
  - Areas of focus are climate finance, emissions from the oil and gas and waste sectors, and action to support global air quality objectives
- Faster and Further: Canada's Methane Strategy
  - Developed to support Canada's commitment under the Global methane Pledge
  - Announced at the Global Methane Forum 2022
  - Based on current estimates, Canada is on track to achieve a 35% reduction below 2020 methane levels
  - Available [online](#) in English and French

Canada's Total Methane Emissions  
92 Mt CO<sub>2</sub>e

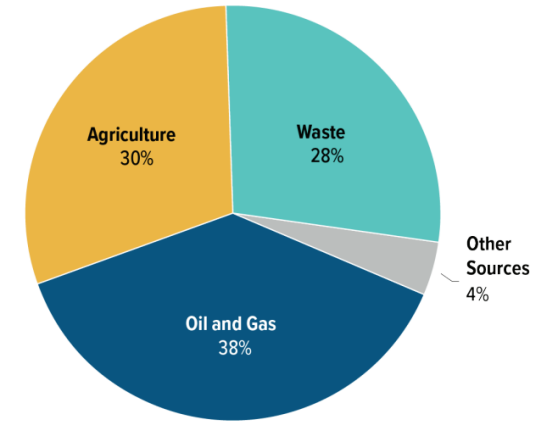


Figure 3: Canada's Total Methane Emissions by Sector (2020)



# OIL AND GAS

- Regulations already in place to reduce the sector's methane emissions by about 40 by 2025, with federal and provincial policies driving this outcome
    - Regulations include measures to address venting and fugitive emissions
  - Extensive methane measurement campaigns have been funded to provide insight into sector emissions
  - Strengthened methane regulations are being developed to achieve at least a 75% reduction of oil and gas methane emissions by 2030.
    - Advancing policy to include more sources and extend coverage along the sector value chain
    - Discussion paper with proposed framework published in 2022
-

# WASTE

- Canada is developing new regulations to increase recovery and destruction of methane from municipal solid waste landfills
    - Aiming to reduce emissions by about 50% by 2030 from 2019 levels
    - Publication of draft regulations is planned for winter 2024, and final regulations by the end of 2024
    - Working domestically and with international colleagues (e.g., US EPA, California) to improve and standardize emerging landfill methane measurement methods (e.g., drone-based surveys)
  - Exploring opportunities to support the build out of municipal solid waste infrastructure to reduce landfill methane emissions and extract more value from biodegradable waste (e.g., composting, biogas production, landfill methane capture and use)
-

# AGRICULTURE

- There has been a 20% decrease in Canada's agricultural methane emissions since 2005
  - Climate change mitigation is one of the 5 focus areas of Canada's Sustainable Agriculture Strategy (2023)
  - Several of Canada's livestock producer and industry groups are setting targets to reduce GHG emissions
  - Canada is developing protocols for the agriculture sector that aim to address both enteric- and manure-related emissions
  - Federal funding programs such as:
    - The On-Farm Climate Action Fund (OFCAF) provides \$670 million to support immediate on-farm action to reduce methane emissions and other GHGs
    - The Agricultural Clean Technology Program (ACT) is a \$495.7-million program that aims to support the development and adoption of clean technologies in agriculture
-

# FINANCE & PROJECTS

- Canada joined the International Methane Emissions Observatory (IMEO) Implementation Committee this year
    - Also made a one-time contribution of \$250k
  - As part of its \$5.3 billion in international climate financing, Canada is supporting several methane mitigation projects including:
    - \$2 million for projects in GMI ODA-eligible countries
      - \$1.225 million for biogas (4 projects)
      - \$775k for oil and gas (1 project)
    - \$7.5M to expand the *Reciclo Organicos* Program to four Caribbean SIDS (Belize, Grenada, Guyana, Saint Lucia) and two Pacific SIDS (Fiji and Samoa).
  - *Reciclo Organicos* Program
    - As part of its previous climate finance envelope, Canada provided \$7M to help Chile identify and accelerate the implementation of solid waste management projects that could mitigate methane emissions and meet their NDC.
    - Success of this program led to support from the Global Methane Hub to replicate and expand Reciclo Organicos in 5 other LAC countries (Costa Rica, the Dominican Republic, Mexico, Peru, and Uruguay) as well as Chile.
-

# Facilitated Discussion

- **Successes?**
- **Challenges?**
- **Lessons learned?**
- **Areas where GMI support was or could be helpful?**

# Recap and Wrap-up of Day 1

Tomás Carbonell  
GMI Steering Committee Chair  
U.S. Environmental Protection Agency



# Recap of Day 1 / What's Ahead for Day 2

## Day Two: 6 September 2023

**Welcome, Recap of Day 1 and Goals for Day 2**

**Country Updates** with Facilitated Discussion  
(Part 3)

**2024 Global Methane Forum: Update and  
Discussion**

**Revisit Strategic Opportunities and  
Priorities: Discussion**

**Lunch break**

**Establishing a GMI Presence at COP28:  
Discussion**

**Steering Committee Meeting in March 2024:  
Discussion**

**Secretariat Update**

**Recap and Wrap-up of Day 2**



# **GMI Steering Committee Meeting**

**Day 2: 6 September 2023**  
**Hybrid Meeting**



# Recap of Day 1 and Goals for Day 2

Tomás Carbonell  
GMI Steering Committee Chair  
U.S. Environmental Protection Agency



# Agenda

## Day Two: 6 September 2023

**Welcome, Recap of Day 1 and Goals for Day 2**

**Country Updates** with Facilitated Discussion  
(Part 3)

**2024 Global Methane Forum:** Update and  
Discussion

**Revisit Strategic Opportunities and  
Priorities:** Discussion

**Lunch break**

**Establishing a GMI Presence at COP28:**  
Discussion

**Steering Committee Meeting in March 2024:**  
Discussion

**Secretariat Update**

**Recap and Wrap-up of Day 2**

# Country Updates with Facilitated Discussion

Sharyn Lie  
Director, Climate Change Division  
U.S. Environmental Protection Agency

# Country Updates with Facilitated Discussion (Part 3)

## ■ **Facilitator**

- Sharyn Lie, Director, Climate Change Division, Environmental Protection Agency, United States

## ■ **Nigeria (TBC)**

- Mrs. Bahijjahtu Abubakar

## ■ **Serbia (virtual)**

- Ms. Sandra Dokić

## ■ **United States**

- Dr. Pamela Franklin



# US ACTIONS ON METHANE



Pamela M. Franklin, Ph.D.

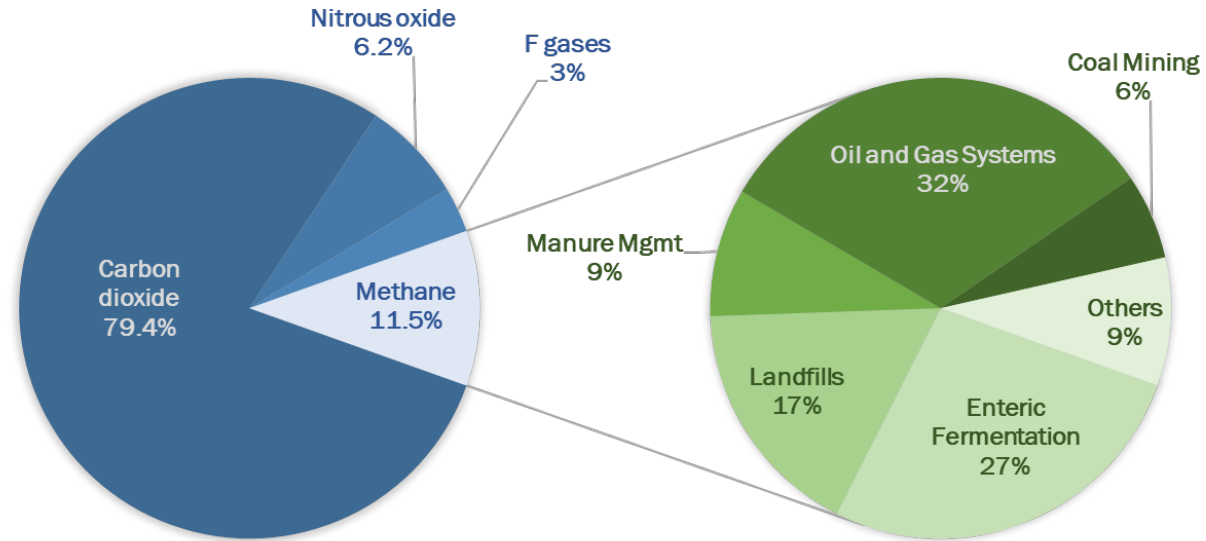
Climate Change Division, US Environmental Protection Agency

September 6, 2023

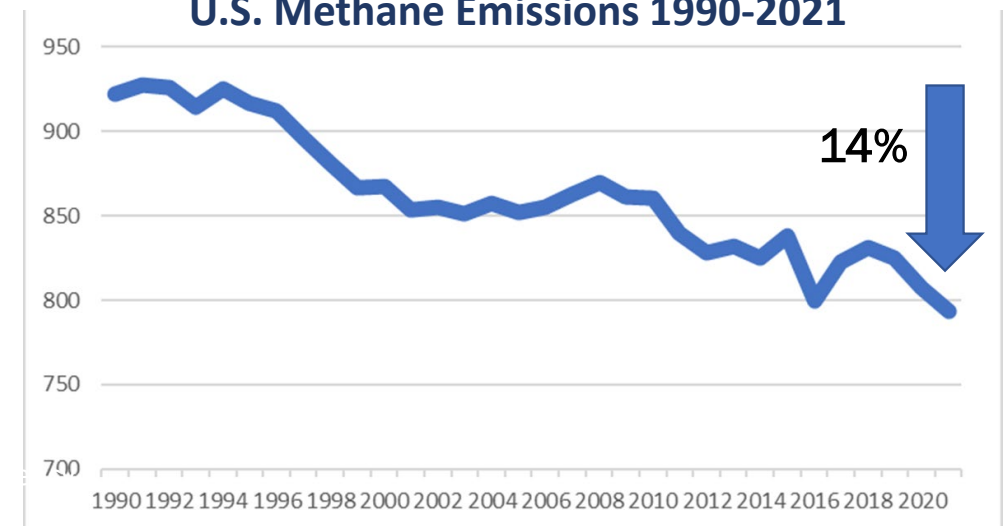
# U.S. Methane Emissions

- 11.5 percent of total U.S. greenhouse gas (GHG) emissions in 2021
- Key emissions sectors:
  - oil and gas
  - enteric fermentation
  - landfills
  - manure management
  - coal mining

U.S. Methane Emissions by Gas and Source, 2021

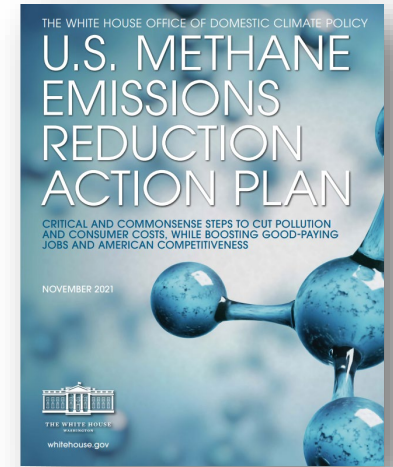


U.S. Methane Emissions 1990-2021



# Biden-Harris Administration Actions on Methane

- Ambitious domestic efforts include:
  - 2021 White House Methane Emissions Reduction Action Plan
  - Historic levels of investment, financial & technical assistance through the Inflation Reduction Act, including Methane Emissions Reduction Program
  - Unprecedented regulatory actions announced / proposed in the oil & gas sector
  - Regulations in the landfill sector
  - Rigorous, comprehensive greenhouse gas reporting program
  - Voluntary partnership programs in the oil & gas, landfill, coal mining, and agriculture sectors
- International leadership
  - Leadership at COP26 to launch Global Methane Pledge
  - Technical and financial support for Global Methane Initiative
  - Broad interagency efforts





# Inflation Reduction Act: Methane Emissions Reduction Program

The Inflation Reduction Act (promulgated August 2022) provides new authorities under Clean Air Act Section 136 to reduce methane emissions from oil and gas operations

The Methane Emissions Reduction Program includes:

1. Financial and Technical Assistance
2. Waste Emissions Charge
3. Greenhouse Gas Reporting Program Subpart W Revisions



# Inflation Reduction Act / Methane Emissions Reduction Program: Financial and Technical Assistance

- EPA, Department of Energy (DOE) and DOE's National Energy Technology Laboratory (NETL) are partnering to provide
  - More than \$1 billion in **financial assistance** for methane monitoring and to reduce methane emissions from the oil and gas sector.
  - **Technical assistance** to help states, industry, and other partners implement solutions that reduce methane emissions.
- In August 2023, EPA, DOE and NETL announced the first in a series of funding opportunities.
  - Up to **\$350 million** in formula funding to eligible states to assist industry to voluntarily identify and permanently reduce methane emissions from low-producing conventional wells.
  - States also will be able to use a portion of their award for environmental restoration and to invest in their monitoring capacity for low-producing conventional wells
- Following this non-competitive solicitation, EPA and DOE intend to offer one or more additional competitive solicitations to monitor and mitigate emissions from the oil and gas sector, which will be available to a broader range of applicants.

# EPA Proposed Rule to Reduce Methane from Oil & Natural Gas Operations

EPA has proposed updated requirements under section 111 of the Clean Air Act to reduce methane and other harmful air pollution from both new and existing sources in the oil and natural gas industry (published November 2021 and December 2022):

- 1. Updated New Source Performance Standards, which require methane reductions from new, modified and reconstructed sources.**
  - Requirements include: Fugitive emissions monitoring and repair at well sites, Stronger requirements for flares, Zero emissions standards for pneumatic pumps, New standards for dry seal compressors, and a program to identify super-emitting events for prompt mitigation.
- 2. Emissions Guidelines, which would require states to develop plans that establish, implement and enforce performance standards for hundreds of thousands of existing sources across the country.**
  - State requirements must generally reflect the reductions achievable by applying the Best System of Emission Reduction that EPA has determined has been adequately demonstrated.
  - States would have to submit plans including their requirements to EPA for review.

# Municipal Solid Waste (MSW) Sector Actions

The White House Methane Emissions Reduction Action Plan set a goal to capture and destroy 70% of the landfill methane generated by 2030

- Latest data from 2021 indicates this “recovery rate” is ~ 60%
- EPA has established regulations for landfills (Clean Air Act New Source Performance Standards):
  - Current landfill regulations (finalized in 2016) require landfills of a certain size and gas production to collect and destroy landfill gas
  - National Enforcement and Compliance Initiative: Mitigating Climate Change includes a focus on methane from landfills
- Emissions data quality:
  - EPA has proposed updates to the Greenhouse Gas Reporting Program to improve data quality and national inventory
- Grants
  - EPA Climate Pollution Reduction Grants to states, tribes, and municipalities for planning and implementation of GHG emission reduction strategies across all sectors, including waste
  - IRA \$20M for Methane Emissions Monitoring at landfills
- Research
  - \$1.5M in Research Grants to Reduce U.S. Household Food Waste
  - Science to Achieve Results funding for Understanding and Control of Municipal Solid Waste Landfill Air Emissions

Figure 7-1: 2021 Waste Sector Greenhouse Gas Sources

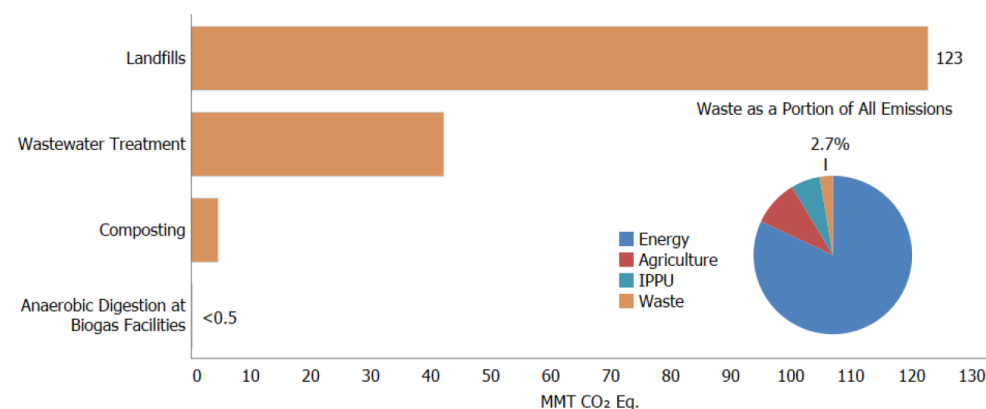
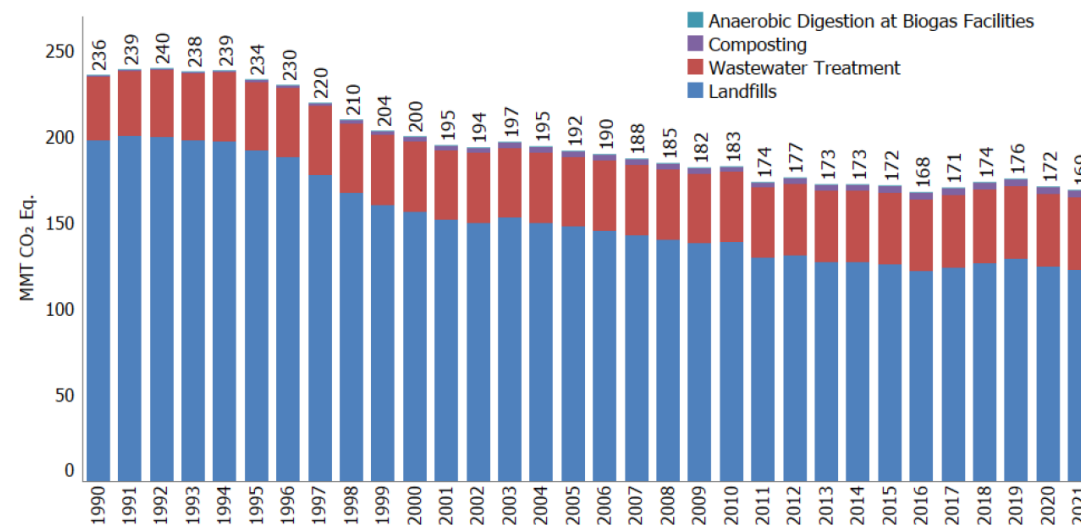


Figure 7-2: Trends in Waste Sector Greenhouse Gas Sources



# International activities

# US Support for GMI

- US support for GMI includes
  - Hosting the secretariat
  - Serving as Chair of the Steering Committee
  - Serving as Co-Chair for the Coal Mines and Biogas Subcommittees
- EPA, with additional funding from Department of State, provides technical support across all sectors for
  - Developing sector-specific tools & resources
  - Preparing policy analyses
  - Conducting capacity building
  - Providing training and convening events

In 2022, in support of GMI, the US:

- Provided direct technical assistance to 6 partner countries
- Held 4 technical workshops/trainings
- Produced 13 reports/models/tools
- Hosted 3 study tours
- Conducted/finalized 3 measurement/prefeasibility studies
- Co-hosted the 2022 Global Methane, Climate and Clean Air Forum



# All-of-government approach

## Environmental Protection Agency (EPA)

EPA manages the Secretariat of the Global Methane Initiative and provides technical assistance, convenes experts, and develops best practice resources on methane measurement and mitigation.

## Agency for International Development (USAID)

USAID is maximizing methane mitigation as a co-benefit of its development programs. The Agency also appointed a methane coordinator to lead its effort to scale and mainstream methane abatement in relevant programming across sectors.

## Department of State

State leads diplomatic engagement on methane and makes strategic investments in international methane initiatives and technical assistance.

## Department of Energy (DOE)

DOE leads the U.S. government's R&D on methane emissions across the natural gas supply chain and engages with international partners to share research results and new technologies.

## Department of Agriculture (USDA)

USDA supports cooperative research, capacity building, and technical exchanges to reduce methane emissions, including by improving productivity, reducing food loss and waste, and supporting a circular economy in food systems.

## Trade and Development Agency (USTDA)

USTDA funds project planning assistance (feasibility studies, technical assistance and pilot projects) and partnership-building activities to support infrastructure projects, including methane reduction, in emerging economies.

## Export-Import Bank of the U.S. (EXIM)

EXIM provides debt financing (loans, guarantees, and insurance) for the purchase of U.S. goods and services by foreign buyers, including for methane-reducing technologies and tools.

## International Development Finance Corporation (DFC)

DFC is able to finance eligible private sector-led opportunities with up to \$1B in debt and/or political risk insurance per project, as well as equity investments—up to 30% of a direct equity or funds transactions.



**Thank you!**



# Facilitated Discussion

- **Successes?**
- **Challenges?**
- **Lessons learned?**
- **Areas where GMI support was or could be helpful?**

# 2024 Global Methane Forum: Update and Discussion

M. Nagaraju  
GMI Steering Committee Vice Chair  
Ministry of Coal, India



# 2024

## **Global Methane Forum**

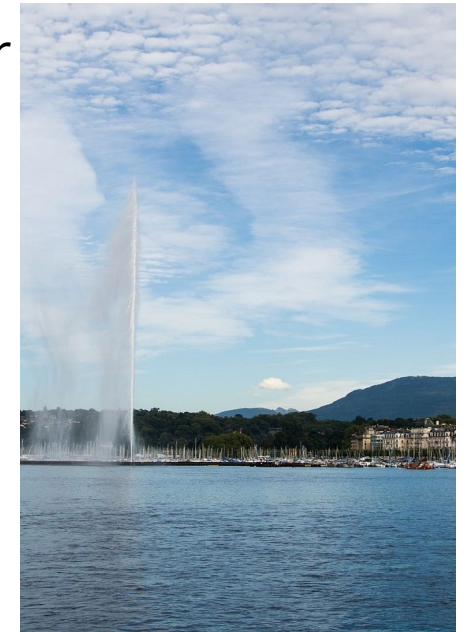
### Mobilizing Methane Action

Geneva, Switzerland

<https://www.globalmethane.org/2024forum/>  
18-20 March 2024

# 2024 Global Methane Forum Planning

- Planning is underway for the 2024 Global Methane Forum, Palais des Nations and Geneva Convention Center Geneva, Switzerland, 18-20 March 2024
- **Forum Executive Planning Committee**
  - Meets monthly (started meeting in June 2023)
  - Provides high-level guidance and informs key decision-making
  - Represents the interests of the Steering Committee, Co-host/co-sponsor organizations and includes:
    - Countries: Canada, India, Saudi Arabia, U.S.
    - Cohost/partner organizations:
      - *UNECE* (providing space and logistical support)
      - *CCAC* (potentially supporting travel for some speakers)
      - *Global Methane Hub* (providing funding as a co-sponsor)
- **Subcommittees**
  - Leading agenda development for technical sessions with co-sponsors



# Structure of the 2024 Forum

	Monday (18 March)				Tuesday (19 March)	Wednesday (20 March)			
ROOM	Palais Room (seats 150)	TBC(30)	TBC(30)	TBC(30)	Convention Center (495)	Palais Room (seats 150)	TBC(30)	TBC(30)	TBC(30)
10:00-13:00	UNECE Group of Experts on Coal Mine Methane and Just Transition (CMMJT) Meeting	GMI Steering Committee Meeting	OIL & GAS Joint Technical Sessions	BIOGAS Joint Technical sessions: Agriculture, Waste, Wastewater	Plenary Session: High-level, Cross-cutting	OIL & GAS Joint Technical sessions	BIOGAS Joint Technical sessions: Agriculture, Waste, Wastewater	COAL Joint technical sessions	TBD - Technical/training sessions or other breakout sessions as needed
15:00-18:00	COAL Joint technical sessions								
18:00 - 19:30	Welcome reception (Palais)				Networking Reception				

	Jointly organized sessions or events of Global Methane Forum
	GMI Steering meeting
	UNECE Expert group meeting

	Palais
	Geneva Convention Center

# 19 March Plenary Session: Proposed agenda/ themes

9:00-10:00	<b>Welcome Coffee</b> Registration/check-in	
10:00 – 10:10	<b>Welcome and Opening of the Session</b>	
10:10 – 10:20	<b>Introductory Remarks</b>	
10:20 – 11:30	<b>Keynote Session: A Global Call to Mobilize Methane Action</b> <i>Session theme: The latest science/data, outcomes from COP (e.g., progress on global action, Pathways initiatives, etc), opportunities and the need for more action (Include high-level speakers on science, energy, environment, policy, finance)</i>	<b>Moderated session</b>
11:30 – 11:50	<b>Networking/Coffee Break</b>	
11:50 – 13:00	<b>Governments as Vital Drivers to Mobilize Methane Action</b> <i>Session theme: Perspectives from and/or announcements by governments on methane goals, priorities, experiences, and challenges: what has worked, and what hasn't, in addressing methane mitigation through policy, regulations and voluntary incentives</i>	<b>Facilitated Panel Discussion</b>
13:00 – 15:00	<b>Lunch</b>	
15:00 – 16:00	<b>The Importance of Industry and Data to Mobilize Methane Action</b> <i>Session theme: Perspectives from leaders in the private sector, state-owned and/or multinational companies/organizations, on goals, priorities, opportunities, experiences, and challenges, including the pros/cons of satellite/remote data</i>	<b>Facilitated Panel Discussion</b>
16:00 – 16:40	<b>Engaging Key Stakeholders and Influencers to Mobilize Methane Action</b> <i>Session theme: Perspectives on engaging key stakeholders and effective communication approaches to mobilize action</i>	<b>Facilitated Panel Discussion</b>
16:40 – 16:55	<b>Networking/Coffee Break</b>	
16:55 – 17:55	<b>Catalyzing Finance to Mobilize Methane Action</b> <i>Perspectives from financial institutions, the private sector, public sector and NGOs on connecting funding to action: opportunities, barriers, lessons and risks</i>	<b>Facilitated Panel Discussion</b>
17:55-18:00	Closing Remarks and Adjournment	
18:00-19:30	<b>Networking Event/Reception</b>	

# Proposed Principles & Objectives for Forum Speakers

- Strive for speaker balance across multiple dimensions for the entire Forum, including:
  - Gender and ethnic diversity
  - Global representation (developed / developing and geographic diversity)
  - Public, private sector, NGO perspectives
  - Youth perspective
- Seeking high-level, dynamic speakers at the **plenary** including:
  - Private sector executives, Senior government officials, environmental leaders
  - Different perspectives: governance/policy, investment, industry, practitioners



# Discussion of proposed speakers: MORNING

10:20 –  
11:30

## Keynote Session: A Global Call to Mobilize Methane Action

**Session theme:** *The latest science/data, outcomes from COP (e.g., progress on global action, Pathways initiatives, etc.), opportunities and the need for more action* (Include high-level speakers on science, energy, environment, policy, finance)

**Goal: Secure ONE SPEAKER per topic = 5 SPEAKERS total**

### Policy:

- **John Kerry** US Special Envoy on Climate, OR
- **Anne Hidalgo**, Mayor, Paris

### Science:

- **Dr. Katherine Hayhoe**, Chief Scientist, The Nature Conservancy and Paul Whitfield Horn Distinguished Professor and the Political Science Endowed Chair in Public Policy and Public Law, Department of Political Science, Texas Tech University, OR
- **Fred Krupp**, President, Environmental Defense Fund

### Environment:

- **Dr. María P. Neira**, Director of Department of Environment, Climate Change and Health, World Health Organization, OR
- **Simon Stiell**, Executive Secretary, UNFCCC

### Energy:

- **Fatih Birol**, Executive Director, International Energy Agency, OR
- **Damilola Ogunbiyi**, Special Representative of the UN Secretary General for Sustainable Energy for All; Co-chair, UN Energy, OR
- **Achim Steiner**, Administrator; Co-Chair UN Energy, UNDP

### Finance:

- **Rachel Kyte**, Dean of Fletcher School International Affairs; Director, Tufts University, OR
- **Ajay Banga**, President, World Bank, OR
- TBD, Bloomberg Philanthropies

## Moderated session

Proposed  
Moderator  
options:

Tomas  
Carbonell,  
Deputy  
Assistant  
Administrator  
U.S. EPA

OR

Dmitry  
Maryasin,  
Deputy  
Executive  
Secretary,  
UNECE



# Ideas for Side Events: Ways to Enhance Networking Experiences and Celebrate GMI's 20<sup>th</sup> Anniversary



- Thanks to the generosity of and sponsorship by the Global Methane Hub, GMI is able to add virtual access, translation, coffee breaks and networking events to the Forum!
- **Networking events planned:**
  - Welcome Reception at the Palais, Monday evening 18 March 2024
  - Lunch at the Convention Center, Tuesday 19 March 2024
  - Plenary Day Reception at the Convention Center, Tuesday 19 March 2024
- **Other opportunities:**
  - Morning and afternoon coffee breaks at both the Palais and Convention Center

## Exploring potential options for enhancing networking experiences such as:

- *Poster session/tables/exhibits*
  - *e.g. by Delegates and/or Project Network Members on country and/or company methane activities, resources and/or successes*
- *A GMI 20<sup>th</sup> Anniversary Celebration video (prepared in advance)*
- *“Family photo” of attendees*
- *Other suggestions welcome!*

# Status of Key Milestones

Key GMF Milestones	May 2023	June-July 2023	Aug-Sept 2023	Oct-Nov 2023	December 2023	Jan 2024	February 2024	March 2024
Executive Planning Committee	Confirm EPC members	Launch EPC	Host Monthly meeting	Host monthly EPC meetings				
		Finalize goals/ outcomes/themes						
	Confirm supporters – define contributions and roles							
		Identify options for celebrating GMI's 20 <sup>th</sup> Anniversary and enhancing networking		Implement recommendations for celebration/networking				
Agenda Development		Start drafting plenary agenda; activate Subcommittees to draft technical agendas	Continue to draft agenda / send invitations / confirm speakers & moderators	Continue to draft agenda / send invitations / confirm speakers & moderators	Post final agenda	Send final details message/package for all speakers/ moderators		
Communications/ Media/Outreach	Create GMF2024 website		Promote GMF2024	Promote GMF2024 via listservs, social media, website, and outreach to key stakeholders				
Logistics	Send save-the-date announcement		Open registration/post agenda			Begin developing onsite materials		Finalize onsite materials
	Reserve block of 50 sleeping rooms	Identify potential supporters for enhancements	Confirm side meeting space at Palais	Identify invitational travel needs	Organize side events, expos, receptions as appropriate			

Completed
  In progress
  Not started

# Next Steps

- Executive Planning Committee will continue to meet monthly
- Secretariat and UNECE will:
  - Begin sending invitations to plenary, other speakers in September/October
  - Open up registration
  - Promote the Forum
  - Begin planning networking events enhancements/GMI celebration activities as appropriate

## Topics for September Executive Planning Committee Meeting

- Continue discussion of potential plenary speakers, space status
- Further explore ideas for potential networking activities and exhibits
- Discuss ways to maximize attendance from developing countries
- Discuss options for communications and promotion
- Update by Secretariat on planning and key milestones

# Facilitated Discussion

- Are there other or additional topics, speakers, partners or sessions (e.g. tools or resource trainings) you think should be part of the Forum?
- What do you think is the best way to enhance the networking opportunities (e.g., matchmaking, project network member table/exhibits, poster sessions, family photo, etc)?
- What do you think is the best way to celebrate GMI's 20<sup>th</sup> Anniversary (e.g., video, etc)?
- What would help maximize attendance, especially from developing countries (e.g., regional roundtables, etc)?

# Health Break



**15**

minutes



# Revisit Strategic Opportunities and Priorities: Discussion

Tomás Carbonell  
GMI Steering Committee Chair  
U.S. Environmental Protection Agency

# Revisiting Strategic Opportunities and Priorities

- Recap on themes, needs, opportunities shared during country, strategic partner, and Subcommittee updates
- What did we hear?
- How should this affect our planning?
- What are GMI's strategic opportunities and priorities going forward?

# Revisit GMI Strategic Priorities [Last Updated July 2022]

## **Strategic Priorities:**

1. Support global ambition to reduce methane emissions significantly by 2030
2. Support individual GMI country partners in their efforts to reduce global methane emissions through national action plans or national sector strategies
3. Support Project Network members in their efforts to engage in methane reduction commitments and partnerships

## **Action Plan [actions within 1-5 years]:**

1. Collaborate and align with key Strategic Partners to foster high-profile opportunities
2. Continue to engage with the private sector
3. Position GMI as a “methane mitigation resource center”



**Lunch Break  
(90 minutes)**

# Establishing a GMI Presence at COP28: Discussion

M. Nagaraju  
GMI Steering Committee Vice Chair  
Ministry of Coal, India

# Showcasing GMI Partner Country Leadership around COP28

- Which Partner Countries are attending?
- Are you interested in hosting a GMI methane event at the COP?
- Do you know of others intending to host methane-related events that we should connect with?
- How can GMI support Partner Countries at COP28?
  - e.g., Provide GMI key messages and updates that could be showcased at COP, provide speakers, promote the event, etc.



**COP28 in Dubai**  
30 Nov-12 Dec

# Health Break



**15**

minutes



# Discussion: Steering Committee Meeting in March 2024

M. Nagaraju  
GMI Steering Committee Vice Chair  
Ministry of Coal, India

# Steering Committee Meeting: 18 March 2024

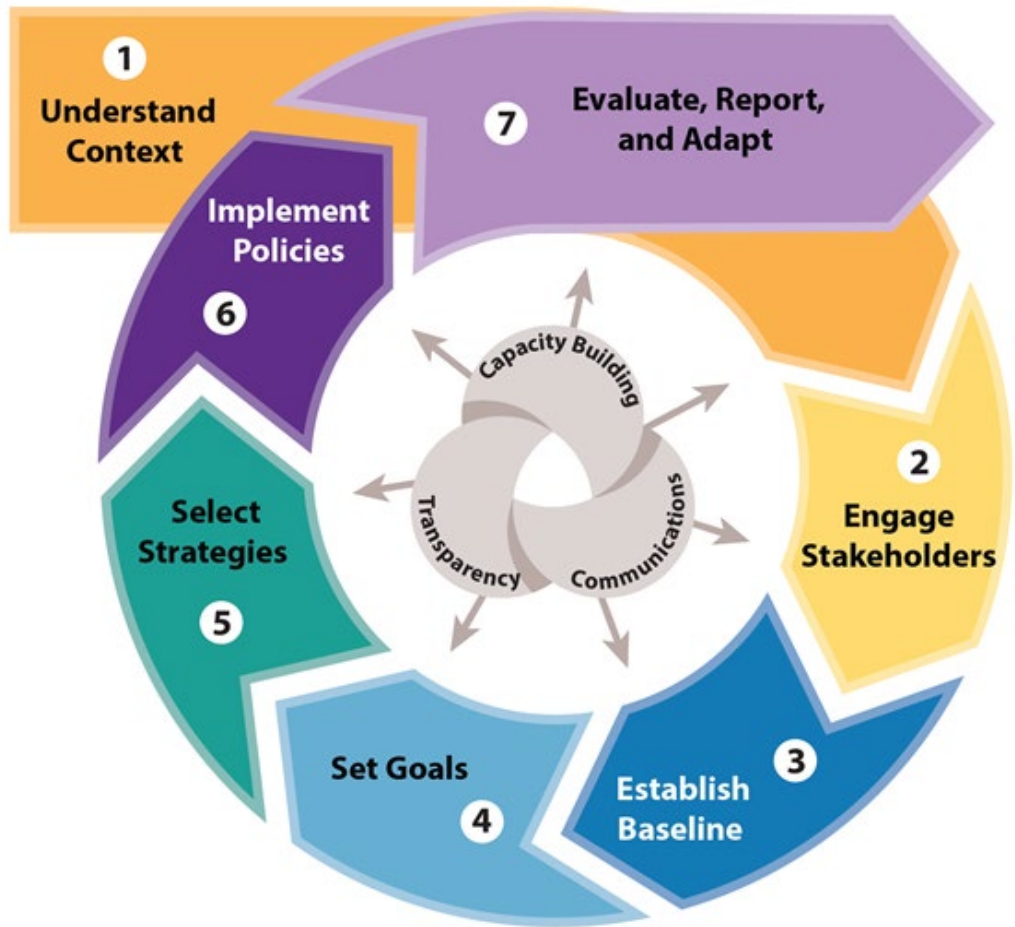
Monday, 18 March 2024  
Palais de Nations, Geneva  
10:00 AM – 6:00 PM

- Potential agenda topics
  - Update on collaboration and progress on methane initiatives
  - Recap of COP28
  - Subcommittee Updates
  - Partner Country Updates
  - External Guest Speakers (i.e., overview of available technology solutions, climate financing)
  - Secretariat Updates
    - Report of progress on action items (Steering Committee Action Plan & Engagement Strategy and September 2022 Steering Committee meeting)
    - Planning calendar for remainder of 2024; discuss timing of virtual Steering Committee meeting in fall 2024
  
- **We welcome your input and suggestions for topics, discussions, and guest speakers**

# GMI Secretariat Update

Denise Mulholland  
GMI Secretariat Director

# Under development! GMI Policy Maker's Roadmap for Addressing Methane Emissions



- **What:** A roadmap to help countries accelerate progress toward their methane emission reduction goals, such as those adopted by signatories to the Global Methane Pledge.
- **How:** Provides a step-by-step process for developing and implementing policies, programs, and partnerships to reduce methane emissions
  - Compiled and organizes available tools and resources around seven steps and three core principles (capacity building, transparency and communications)
- **Who:** Primarily for national policy makers
- **When:** Ideally to be posted in October 2023



# Other Activities Planned by the Secretariat

- Finalize GMI key messages and materials to be used by GMI, Partner delegates and others in outreach, such as at COP28
- Publish GMI cross-sectoral quarterly newsletters to promote GMI and GMI partner country progress and successes
- Develop case studies to showcase GMI partner country activities, successes and lessons learned
- Continue preparing for the 2024 Global Methane Forum and next Steering Committee meeting
- Complete follow-up activities from this Steering Committee meeting

# Road to the Global Methane Forum

## RECAP of 2023 so far

- ✓ 13 February Steering Leadership meeting (virtual)
- ✓ 21-22 March Coal Mines Subcommittee meeting (in-person in Geneva & virtual)
- ✓ 22 March Oil & Gas Subcommittee meeting (in-person in Geneva & virtual)
- ✓ 13 April Steering Committee meeting (virtual)
- ✓ 31 May Biogas Subcommittee meeting (in-person in Bangkok)
- ✓ 24 August Steering Leadership meeting (virtual)

● 5-6 September Steering Committee meeting in Washington, DC  
(in-person & virtual)

January Steering Leadership meeting  
(virtual)

COP28 in Dubai  
30 Nov-12 Dec



● 2024 Global Methane Forum in Geneva  
18-20 March

- 18 March, Steering Committee meeting
- 18 & 20 March, Coal Mines Subcommittee meetings
- 18 & 20 March, Biogas Subcommittee meetings
- 18 & 20 March, Oil & Gas Subcommittee meetings



# Wrap-up and Next Steps

Tomás Carbonell  
GMI Steering Committee Chair  
U.S. Environmental Protection Agency

# Thank You!

## Next Steps:

- Host Global Methane Forum
- Plan for Steering Committee meeting
- Other



[globalmethane.org](http://globalmethane.org)

