Item 10: Twelfth Joint Meeting of UNECE Group of Experts on CMM & JT and 31st GMI Coal Mines Subcommittee Meeting

22 March 2022
Global Methane Initiative (GMI)

- GMI is an international partnership of 45 countries and hundreds of private sector and multilateral partners focused on reducing methane emissions across five key sectors: oil & gas, coal mining, landfills, agriculture (manure), wastewater.

- Aim to provide the tools, resources, and expertise to enable countries to reduce methane quickly and cost-effectively.

- Secretariat: US Environmental Protection Agency (as well as cross-sector technical expertise).
Subcommittee Meeting Agenda: March 23

- **Welcome** (Volha Roshchanka, Coal Mines Subcommittee Co-Chair, EPA)
- **Keynote Address from the Subcommittee Co-Chair from India** (Manoj Kumar, Coal Mines Subcommittee Co-Chair, CMPDI)
- **Keynote Address from the Subcommittee Co-Chair from China** (Liu Wenge, Coal Mines Subcommittee Co-Chair, CCII)
- **Secretariat Update** (Monica Shimamura, GMI Secretariat)
- **Country Updates from Delegates**
- **Subcommittee Updates and Accomplishments** (Liu Wenge, Coal Mines Subcommittee Co-Chair, CCII)
- **Subcommittee Action Plan** (Volha Roshchanka, Coal Mines Subcommittee Co-Chair, EPA)
- **Summary of Action Items and Adjourn**

**Subcommittee Co-Chairs**

- 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)
Welcome to Our New Coal Mines Subcommittee Delegates!

- **Two new Coal Mines Subcommittee Co-Chairs**
  - China – Liu Wenge
  - India – Manoj Kumar

- **Several New Delegates**
  - Australia – Shon Fletcher
  - Australia – Tamara Pavlovic
  - Colombia – Gustavo Adolfo Raad de La Ossa
  - Colombia – Gloria Gheorghe
  - Turkey – Metin Aktan
  - Turkey – Dilan Duman
  - Turkey – Hasan Hüseyin Erdoğan
  - Mongolia – Melscho Mendarbayar
  - Mongolia – Demchig Tserenkhand
Goals of the Coal Mines

- **Goal:** To reduce the impacts of climate change by providing international leadership to mitigate global methane emissions through the abatement, recovery, and use of methane from coal mines.

- **Focus of the Subcommittee is to:**
  - Promote the recovery, abatement, and utilization of coal mine methane (CMM), ventilation air methane (VAM), and abandoned mine methane (AMM)
  - Encourage collaboration to build capacity and develop strategies and markets
  - Work to remove barriers to methane mitigation project development to improve worker safety, enhance mine productivity, increase revenues, and reduce greenhouse gas (GHG) emissions.
GMI Tools Support All Steps in Project Development

- **Gather Background Information**
  - CMM Country Profiles

- **Identify Project Opportunities**
  - Prefeasibility and feasibility studies in GMI countries

- **Evaluate Coal Mine Methane (CMM) Resources**
  - Training on how to conduct prefeasibility studies

- **Assess the Market for CMM**
  - CMM market studies for select countries

- **Analyze Cash Flows**
  - CMM Cash Flow Model

- **Develop and Operate a Project**
  - CMM Mitigation and Utilization Technologies Database
1. Gather background information:
   - CMM Country Profiles:

2. Identify project opportunities
   - Prefeasibility and feasibility studies:
     - Over 50 studies in 11 GMI Partner countries

3. Evaluate CMM Resources:
   - Training on how to conduct pre-feasibility studies at active and abandoned coal mines
4. Assessing the Market for CMM:
   - CMM market studies for select countries

5. Analyzing the Cash Flows:
   - CMM Cash Flow Model

6. Developing and Operating the Project:
   - CMM Mitigation and Utilization Technologies Database
   - CMM Project List
International Coal Mine Methane Projects Database: best available source of information on operational and former/future CMM projects globally.
New in 2022: CMM Basics Training

- New **training** that provides information about methane that is emitted through coal mining and summarizes potential mitigation options
- Thank you to the Coal Mines Subcommittee delegates for review and feedback!
Thank you!

Volha Roshchanka
Roshchanka.Volha@epa.gov

Co-Chair, Coal Mines Subcommittee
Global Methane Initiative

Director
Coalbed Methane Outreach Program