

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)

Global Methane Initiative

- 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
- Secretariate: US Environmental Protection Agency (as well as cross-sector technical expertise)

NECE

190

environment

programme

Strategic Alliances



THE WORLD BANK

GMI Partner Countries

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 Mendbayar
- Mongolia Demchig Tserenkhand



5

Goals of the Coal Mines

- <u>Goal</u>: 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

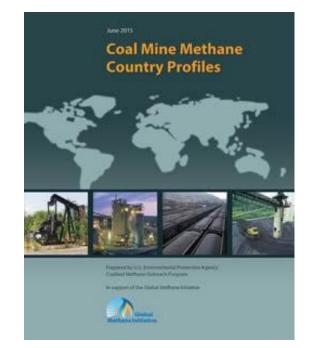
Gather Background Information	• <u>CMM Country Profiles</u>	
Identify Project Opportunities	 Prefeasibility and feasibility <u>studie</u> in GMI countries 	<u>s</u>
Evaluate Coal Mine Methane (CMM) Resources	 <u>Training</u> on how to conduct prefeasibility studies 	CMM
Assess the Market for CMM	 CMM market <u>studies</u> for select countries 	Project
Analyze Cash Flows	 CMM Cash Flow <u>Model</u> 	
Develop and Operate a Project	 CMM Mitigation and Utilization Technologies <u>Database</u> 	

GMI Tools for Coal Mine Sector



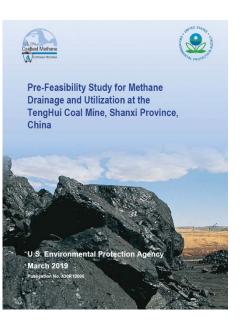
1. Gather background Information:

• <u>CMM Country Profiles</u>:



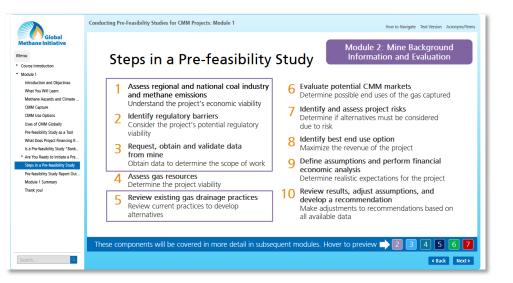
2. Identify project opportunities

- Prefeasibility and feasibility <u>studies</u>:
 - 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

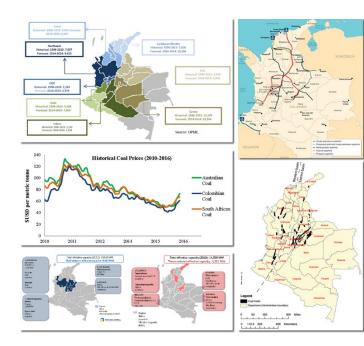


GMI Tools for Coal Mine Sector



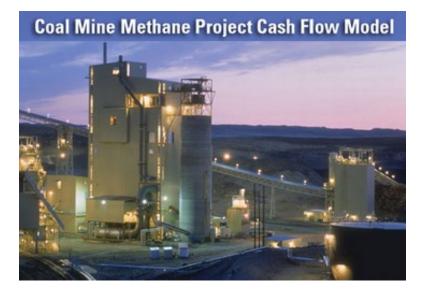
4. Assessing the Market for CMM:

 CMM market <u>studies</u> for select countries



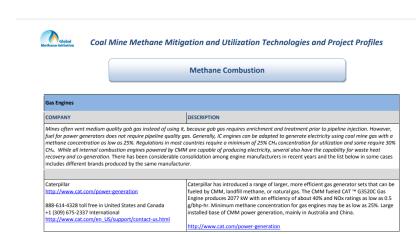
5. Analyzing the Cash Flows:

CMM Cash Flow Model



6. Developing and Operating the Project:

- CMM Mitigation and Utilization Technologies
 <u>Database</u>
- CMM Project List



New in 2021: Int'l CMM Project Database

Year: 2021



 International Coal Mine Methane Projects Database: best available source of information on operational and former/future CMM projects globally.

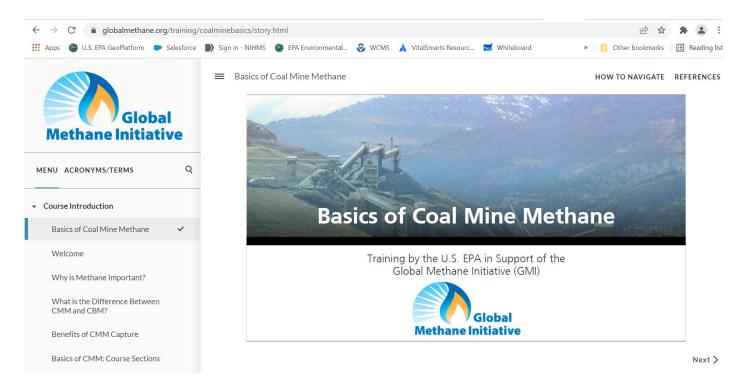
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	Global Methane Initia	tive (GMI)	f 🛩 🖽
	About GMI Events & Activities S	ectors Partner Countries Project Network Resources Participate Archive	Search Q
	Global Methane CHOLLENGE	how you're reducing methane emissions	
	■ set of Resources	International Coal Mine Methane Database View	Projects
	Sector: Coal Mines	This Excel document contains information on over two hundred coal mine methane r	ecovery and utilization projects

operating, in development, or planned around the world in both Global Methane Initiative partner and non-partner countries.

New in 2022: CMM Basics Training



- New <u>training</u> 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