

# Co-Chairs Subcommittee Updates and Accomplishments

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Coal Mines Subcommittee Co-Chair, CCII

# Update on New Training Resources



## REPORT

Prepared new report for UNECE: [Best Practice Guidance for Effective Management of Coal Mine Methane at National Level: Monitoring, Reporting, Verification and Mitigation.](#)

## ONLINE TRAINING



[Conducting Pre-Feasibility Studies for CMM Projects:](#) This eight-module course is now available. Six of the modules have been [translated into Chinese.](#)



[Conducting Pre-Feasibility Studies for Abandoned Mine Methane \(AMM\) Projects:](#) This first three modules of this seven-module course are now available.

# New in 2021: Int'l CMM Project Database

- In 2021, the Subcommittee updated and released the International Coal Mine Methane Projects Database, which is the best available source of information on operational and former/future CMM projects globally. It is available on the [GMI website](https://www.gmi.org/).

Global Methane Initiative (GMI)

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Global Methane CHALLENGE Tell us how you're reducing methane emissions

International Coal Mine Methane Projects Database

View

Sector: Coal Mines

Year: 2021

This Excel document contains information on over two hundred coal mine methane recovery and utilization projects operating, in development, or planned around the world in both Global Methane Initiative partner and non-partner countries.

Project Data												Mine Name (incl. other known names)		Mine Description	
Country	Project Name	Project Status	Start Year	Project Description	Project End Use Type(s)	Gas Flow to Project	Gas Flow Unit	Rated Capacity of Equipment	Rated Capacity Units	Annual Emissions Reductions (MTCO2e)	Cumulative Emissions Reductions thru 2019 (MTCO2e)	Mine Name (incl. other known names)		Mine Description	
Australia	2012 Coal AUS Oak Creek Flaring	Operational	2012	Installation of enclosed flares planned for Nov 2012. The plant will consist of six Hofstetter enclosed flares and six ring seal vacuum pumps, with the ability to deal with 12,000 l/sec of gas and generate 300hp through the Oak Creek gas pipe.	Flare							Oak Creek			
Australia	2012 Coal AUS Tahmoor Colliery Flaring	Operational	2012	Three (3) enclosed flares used to destroy methane drained from mine. See attachments	Flare							Tahmoor Colliery		Tahmoor Colliery is located approximately 70 kilometres South West of Sydney in the Southern Highlands region, consisting of an underground mine and Coal Handling and Preparation Plant. The colliery produces approximately two million tonnes of high quality coking coal per year, which is loaded to Port Kembla for the export market. The mine was commissioned in 1979 by Clutha Coal, and production of coal commenced in 1982. In 1986 longwall mining was introduced. The mine has changed hands several times during its 30 year history and is currently fully managed by Koorata Coal NSW, operating as Tahmoor Coal Pty Ltd. Tahmoor currently employs approximately 440.	
Australia	2013 Coal AUS Appin Colliery Flares	Operational	2012	Flares installed at wells draining CMM from gob/goaf areas.	Flare							Southern Coal Field		The Appin Colliery and Tower Colliery are located within the Southern Coal Field.	
Australia	2013 Coal AUS Ashton Flaring	Planned/In Development/Construction	2013	Enclosed flares planned to destroy drained methane from underground coal operations. Number of flares undefined.	Flare							Ashton Coal Project		The Ashton Coal Project is located approximately 14 km north-west of Singleton in the Hunter Valley, New South Wales. The project includes an open cut coal mine, an underground coal mine, a Coal Handling and Preparation Plant and a rail siding. The Ashton Open-Cut and Underground Coal Mines have a current production capacity of approximately 3.9mtpa of high quality Semi-Soft Coking Coal. This coal is predominantly exported to Asian steelmakers. The Ashton Coal operation is an unincorporated Joint-Venture between Yancoal Australia Ltd (90%) and Itchu Corporation of Japan (10%). Yancoal Australia Ltd acquired the interest in the Ashton Open-Cut and Underground Coal Mines effective from December 2009 through its purchase of Felix Resources Pty Ltd. Yancoal Australia Ltd is the operator of these mines and manages the joint nslist/Mandalong.aspx	
Australia	2013 Coal AUS Mandalong Flaring	Operational	2013	1-2 enclosed flares. 2019 notes: Flaring is still active, and the gas management systems were upgraded to accommodate increasing natural gas production. ER fell by 28% when compared to 2018.	Flare					142,857	888,571	Mandalong		http://centralia.coal.com.au/Operations/Operationslist/Mandalong.aspx	
Australia	Blakefield Mine Flaring Project	Operational	2010	Currently 3 enclosed flares (Energen - Hofstetter). 5 LMS Energy decommissioned flares. 2012 plans to install goaf flares.	Flare							Bulgia Mining Complex		Surface and underground operations. The Bulgia Underground Operations comprise the Beltana No. 1 Mine and the Blakefield South Mine. Underground mining operations are undertaken using longwall retreat mining techniques. The longwall blocks at	

# New in 2022: CMM Basics Training

- This week, the Subcommittee released a 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!



# GMI Coal Mines Subcommittee Accomplishments

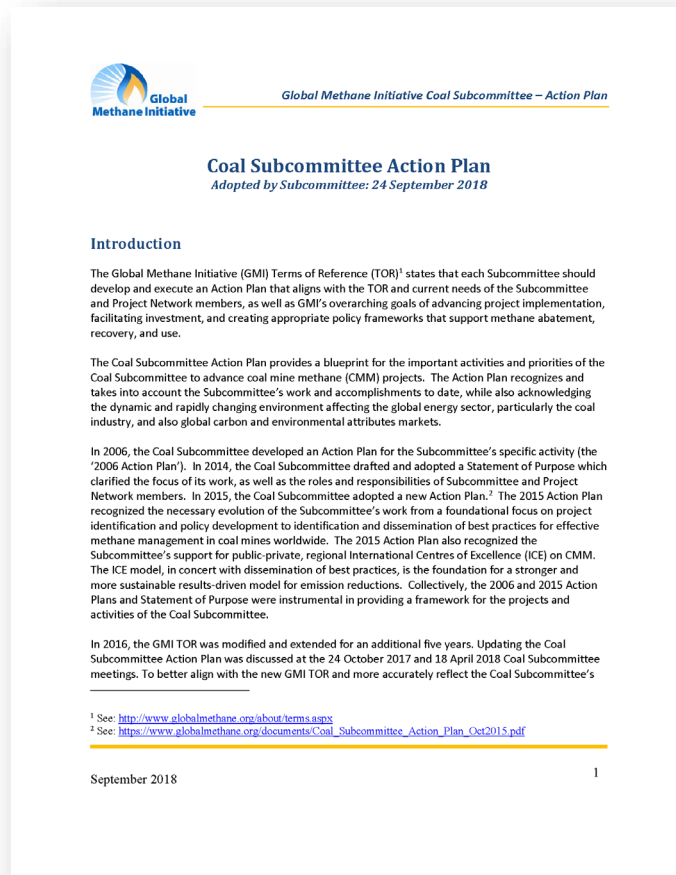
- In India, a 25 km<sup>2</sup> area in the Jharia Coalfields in the state of Jharkhand has been identified for extraction of coalbed methane (CBM) prior to coal mining, and work has already started.
- Several new CMM-fueled power plants are under construction in the Shanxi, Shaanxi, and Guizhou provinces in China.
- The Subcommittee is continuing to make efforts to expand membership and to identify sector-specific, regional, and informal organizations with whom to partner.

# Subcommittee Action Plan

**Volha Roshchanka**

Coal Mines Subcommittee Co-Chair, EPA

# Adopted Subcommittee Action Plan



- Adopted by Subcommittee in September 2018
  - Previous Coal Subcommittee Meeting
- Available on GMI website:  
[https://globalmethane.org/documents/Coal\\_Subcommittee\\_Action\\_Plan\\_September2018.pdf](https://globalmethane.org/documents/Coal_Subcommittee_Action_Plan_September2018.pdf)
- 3-year cycle
- Open to suggestions and feedback



# Objectives of the 2018 Subcommittee Action Plan

1. Develop Overview Materials
2. Identify and Address Key Barriers to Project Development
3. Identify Country-Specific Needs and Opportunities
4. Establish Long-Term Relationships that Promote the Coal Subcommittee Objectives

- Given today's global environmental, are these still the right priorities?
- What should be the priorities moving forward?
- What actions will Partners take the lead on implementing?



# Examples of Accomplishments under the Action Plan

## Objective 1: Develop Overview Materials

- ✓ Regular updates to the GMI CMM Country Profiles (7 profiles)
- ✓ Updated CMM Technology Project List
- ✓ Developed CMM Basics Training

## Objective 2: Identify and Address Key Barriers to Project Development

- ✓ Updated White Paper “Legal and Regulatory Status of CMM Ownership in Key Countries: Considerations for Decision Makers”
- ✓ Held seminars, workshops and/or extended training to facilitate technology transfer on best practices, evolving from a more targeted approach
- ✓ Prepared pre-feasibility studies in GMI countries
- ✓ Conducted training on preparation and delivery of pre-feasibility and full feasibility studies

# Timeline for Revising the Action Plan



1. Please send comments (in track changes) to Volha Roshchanka by **April 10**.
2. Delegates will receive updated draft version by **April 20**.
3. Final version posted by **April 30**.