

# 2024 Global Methane Forum

## Mobilizing Methane Action

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# China Country Update: Progress of Methane Utilization & Emission Reduction in China's Coal Industry

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# Policy Update

## □ Methane reduction policy of coal industry in China:

- In November 2023, the *Methane Emission Control Action Plan* was issued, encouraging and guiding coal companies to increase coal mine methane drainage and utilization.
  - By 2025, the annual utilization volume of coal mine methane will reach 6 billion m<sup>3</sup>.
  - During the 15<sup>th</sup> Five-Year Plan Period, the level of coal mine methane utilization will be further improved.
- *The Coalbed Methane Statistical Investigation System* was revised to comprehensively and timely assess the national situation of CBM and CMM drainage and utilization.

# Policy Update

## □ Methane reduction policy of coal industry in China:

- Formulate and promulgate the *Interim Regulations on Carbon Emission Trading Management* and the *Interim Measures for Voluntary Greenhouse Gas Emission Reduction Trading Management (Trial)*, establish a *National Carbon Market Dual-Track Driving Mode*, and make full preparations for the comprehensive launch of CCER.
  - Further improve the carbon emissions trading system;
  - Improve the level of data quality law-based management of greenhouse gas emission;
  - Boost internal forces for the construction and development of carbon market
  - Launch the national voluntary greenhouse gas emissions trading market.

# Policy Update

## □ Methane reduction policy of coal industry in China:

- Led by CCII, the Methodology for Voluntary Emission Reduction of Coal Mine Methane is being developed to support the methane emission reduction in coal sector. The Methodology is going to be issued in 2024.



**Kick-off Meeting for  
Methodology Preparation**



**Attending the workshops on voluntary emission reduction  
methodology for coal mine methane**

# Policy Update

## □ Methane reduction policy of coal industry in China:

- Initiate the compilation of *Methane Control Technology Development Roadmap*, and CCII is responsible for the research on coal mine methane monitoring technology.



# Technology Update

## □ CMM utilization is trending towards diversification.

The utilization approaches mainly includes:

- Household use or as industrial fuel;
- LNG, CMM purification;
- Power generation;
- Clean energy vehicles;
- VAM thermal oxidation.



# Welcome to the 20<sup>th</sup> International Symposium on CBM/CMM in China



16<sup>th</sup> International Symposium on CBM/CMM  
in China held in Jincheng



17<sup>th</sup> International Symposium on CBM/CMM  
in China held in Pingdingshan



19<sup>th</sup> International Symposium on  
CBM/CMM in China held in Beijing

- Since 2001, the *International Symposium on CBM/CMM in China*, supported by China's National Mine Safety Administration and USEPA, and organized by CCII, has been successfully held for nineteen sessions.
- The 20<sup>th</sup> International Symposium on CBM/CMM in China will be held in November or December 2024.

# Next steps



## **Strengthen the establishing of MRV system**

- Cover all the process of coal mine methane drainage, transportation, storage, and utilization;
- Promote the collection and analysis of methane emissions data from coal mines, and carry out evaluation and tracking of methane emission reduction effectiveness in key regions and key companies.

## **Support the cascaded utilization with different concentration, and facilitate technological innovation and R&D, etc.**

- Promote the R&D on key technologies, for example, VAM catalytic oxidation technology for destruction and waste heat utilization, efficient purification technology for low concentration CMM, and direct combustion technology of coal mine methane with CH<sub>4</sub> concentration of 3%-9%.



Thank you