



**UNECE Group of Experts on Coal Mine Methane
&
Global Methane Initiative
&
Ministry of Energy and Natural Resources, Turkey**

**Workshop
on
Best Practices
in
Coal Mine Methane Capture and Utilization**

*General Directorate of Turkish Coal Enterprises, Conference Hall
Hipodrom Cad. No:12, Yenimahalle Ankara, Turkey*

Draft Agenda as of 07.06.2019

10 June 2019 (Monday)

08:30 **Registration**

Introductory Part (30 min)

9:00 **Opening Speeches**

Mr. Hasan Hüseyin Erdoğan, *General Director, NATEN*

Mr. Zafer Benli, *Advisor to the Minister, Turkish Ministry of Energy and Natural Resources*

9:10 **Introductory Remarks**

Mr. Raymond C. Pilcher, *Chair UNECE Group of Experts on Coal Mine Methane*

9:20 **The UNECE Group of Experts on Coal Mine Methane – Goals, Activities, Achievements**

Mr. Michał Drabik, *Economic Affairs Officer, United Nations Economic Commission for Europe*

Global Perspective and Best Practices on CMM/CBM (15 min)

9:30 **UNECE Best Practice Guidance for Effective Methane Drainage and Recovery in Coal Mines: Principle-oriented vs. strict manual approach**

Mr. Raymond C. Pilcher, *Chair UNECE Group of Experts on Coal Mine Methane*

Current state of the Turkish Mining Sector (25 min)

9:45 **Turkish Coal Mining Sector: Current State, Strategy for the Future**

Ms. Mücella Ersoy, *R&D and Foreign Affairs Branch Manager, Turkish Coal Enterprises (TKİ)*

10:00 **Q&As**

All Participants

Coffee Break 10:10 – 10:40



Regulations and Enforcement (55 min)

- 10:40 **An Overview of the Turkish Mine and Petroleum Regulations & Incentives on Coal Mine Methane Production"**
Dr.Emre Özgür, *Expert on Energy and Natural Resources, General Directorate of Mining and Petroleum Affairs (MAPEG)*
- 10:55 **Methane Hazard Prevention in the light of Polish Mine Safety Regulations**
Mr. Henryk Koptoń, *Gas Hazard Control Department, GIG - Central Mining Institute*
- 11:10 **US Mine Safety Regulations Concerning Methane Hazard Prevention**
Mr. Raymond C. Pilcher, *Chair UNECE Group of Experts on Coal Mine Methane*
- 11:25 **Q&As**
All Participants

Safety, Degassing, Explosion Prevention, and Risk Assessment (1 h 25 min)

- 11:35 **New Directions in R&D in order to Decrease Methane Hazard in Polish Coal Mines - Based on GIG Experience**
Mr. Jacek Skiba, *Chief Specialist, Experimental Mine "Barbara", GIG - Central Mining Institute*
- 11:50 **Recent Changes in the Safety Culture in the Coal Mines Operated by the Shanxi Coking Coal Group**
Mr. Liu YanHong, *Head, Ventilation Department, Shanxi Coking Coal Group*
- 12:05 **Applying Hydrodynamic Stimulation for Controlled Roof Caving and Increasing Degasification Efficiency of Coal Seams in Underground Coal Mining**
Mr. Oleg V. Tailakov, *Deputy Director of Institute of Coal, Federal Research Center of Coal and Coal Chemistry, Siberian Branch of Russian Academy of Sciences*
- 12:20 **Designing of the Coal Panels with High Concentration of Coal Extraction in Strongly Gaseous Coalbeds**
Mr. Henryk Koptoń, *Gas Hazard Control Department, GIG - Central Mining Institute*
- 12:35 **Monitoring, Assessment, Prevention and Mitigation of Rock Burst and Gas Outburst Hazards in Coal Mines (based on MapROC project)**
Mr. Jacek Skiba, *Chief Specialist, Experimental Mine "Barbara", GIG - Central Mining Institute*
- 12:50 **Q&As**
All Participants

Lunch 13:00 – 14:00

Ventilation (55 min)

- 14:00 **Overview of Ventilation Characteristics, Practices, and Regulations in the US**
Mr. Raymond C. Pilcher, *Chair UNECE Group of Experts on Coal Mine Methane*
- 14:15 **Ventilation Challenges in Polish Coal mines (Characteristics, Practices, and Regulations)**
Mr. Jacek Skiba, *Chief Specialist, Experimental Mine "Barbara", GIG - Central Mining Institute*
- 14:30 **VAM processing - International Experiences from Proven Technology**
Mr. Richard Mattus, *RM Business Consulting*
- 14:45 **Q&As**
All Participants



Drainage (25 min)

14:55 **Drilling Solutions for Methane Drainage**
Mr. Clark Talkington, *Advanced Resources International (ARI)*

15:10 **Q&As**
All Participants

Pre-mine Drainage (40 min)

15:20 **Co-Development of Coal and Gas Resources – Coal Mining in an Established Gas Field**
Mr. Raymond C. Pilcher, *Chair UNECE Group of Experts on Coal Mine Methane*

15:35 **CBM Gilowice Project – Overview, the Applied Fracturing Technology, and the Obtained Results**
Mr. Piotr Kasza, *Head, Reservoir Stimulation Department, Oil and Gas Institute - National Research Institute*

15:50 **Q&As**
All Participants

Coffee Break 16:00 – 16:15

Development and Financing of CMM/CBM Project (1 h 40 min)

16:15 **An overview of existing CBM/CMM studies in Zonguldak Region**
Mr. Ali Baltaş, *Geological Research Branch Manager, Turkish Hardcoal Enterprises (TTK)*

16:30 **Coal Bed Methane Research Project in Zonguldak Region**
Mr. Muhammed Emin Bulguroğlu, *Exploration Geologist, Turkish Petroleum Corporation (TPAO)*

16:45 **Getting it Right: Policies that Provide a Solid Foundation for the Development of CMM/AMM and VAM Projects**
Ms. Meredydd Evans, *Senior Staff Scientist, Joint Global Change Research Institute, Pacific Northwest National Laboratory (PNNL)*

17:00 **The Economics of Successful Project Development**
Mr. Clark Talkington, *Advanced Resources International (ARI)*

17:15 **CMM Capture and Utilization Project in China**
Mr. Xiao Qi, *Senior Manager, Shanxi WenLongZhongMei Environment & Energy Technology Co. Ltd.*

17:30 **Global VAM Update**
Mr. Richard Mattus, *RM Business Consulting*

17:45 **AMM utilization - Experiences of methods for utilizing of low-quality methane as energy source, applicable for abandoned mining methane**
Mr. Åke Kallstrand, *Director Quality - R&D, Dürr MEGTEC*

18:00 **Q&As**
All Participants

18:15 **End of Workshop**