



UNECE Group of Experts on Coal Mine Methane & Global Methane Initiative

3rd International Coal Conference
Ukrainian Coal Mining Industry in the Times of Decarbonisation

Workshop
on
Best Practices
in
Coal Mine Methane Capture and Utilization

*The Institute of Geotechnical Mechanics named by N. Poljakov of the National Academy of Sciences of Ukraine
Simferopol's'ka Street, 2-a, 49005, Dnipro, Ukraine*

Draft Agenda as of 07.06.2019

12 June 2019 (Wednesday)

Introductory Part (10 min)

9:30 Introductory Remarks

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

Current state of the Ukrainian Mining Sector (15 min)

9:45 Ukrainian Mining Sector: Current State, Strategy for the Future, CMM-related issues

Mr. Anatoly.F Bulat, *Head, Program on Mine Methane Capture and Recovery, Institute of Geotechnical Mechanics named by N. Poljakov of National Academy of Sciences of Ukraine*

Regulations and Enforcement (30 min)

10:00 Methane Hazard Prevention in the light of Polish Mine Safety Regulations

Mr. Henryk Koptoń, *Gas Hazard Control Department, GIG - Central Mining Institute*

10:15 US Mine Safety Regulations Concerning Methane Hazard Prevention

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

Safety, Degassing, Explosion Prevention, and Risk Assessment (30 min)

10:30 An overview of the Ukrainian mine regulations pertaining to the mine safety and explosion prevention

Mr. Igor Yashchenko, *Deputy Director, Department of Industrial Safety and Physical Protection, Ministry of Energy and Coal Industry*

10:45 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*

Coffee Break 11:00 – 11:30

Safety, Degassing, Explosion Prevention, and Risk Assessment (continued) (45 min)

- 11:30 **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*
- 11:45 **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*
- 12:00 **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*

Drainage and Mine Gas Utilization (30 min)

- 12:15 **Drilling Solutions for Methane Drainage**
Mr. Clark Talkington, *Advanced Resources International (ARI)*
- 12:30 **CMM Capture and its Use in Selected Urban Areas in Donbas**
Mr. Yuriy Bobrov, *Executive Director, The Association of Mining Towns of Donbass*
- 12:45 **Q&A**
All Participants

Lunch 13:00 – 14:00

Ventilation (45 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*

Pre-mine Drainage (30 min)

- 14:45 **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*
- 15:00 **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*

Development and Financing of CMM/CBM Project (45 min)

- 15:15 **An overview of the Ukrainian policies and measures that promote CMM and VAM use, and the existing projects that use or destroy methane recovered from coal mining**
Mr. Vadym Miroshnychenko, *Head, Degassing and Ventilation Unit, Technical Development Department, Coal Production Directorate DTEK ENERGY*
- 15:30 **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)*
- 15:45 **The Economics of Successful Project Development**
Mr. Clark Talkington, *Advanced Resources International (ARI)*

Coffee Break 16:00 – 16:30

Development and Financing of CMM/CBM Project (continued)

- 16:30 **CMM Capture and Utilization Project in China**
Mr. Xiao Qi, *Senior Manager, Shanxi WenLongZhongMei Environment & Energy Technology Co. Ltd.*
- 16:45 **Global VAM Update**
Mr. Richard Mattus, *RM Business Consulting*

Coal Industry in Georgia – Challenges, Opportunities, and CMM Situation

- 17:00 **Coal Industry in Georgia – Challenges, Opportunities, and CMM Situation**
Mr. Gia Arabidze, *Dean, Faculty of Power Engineering and Telecommunication, Georgian Technical University*
- 17:15 **Q&A**
All Participants
- 17:30 **End of Workshop**