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 08.06.2019
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 and 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. Yurii 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 Mine Ventilation Best Practices and Regulations in the USA
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 New Elk Coal Company: 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
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

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)

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)

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

Global VAM Update
Mr. Richard Mattus, RM Business Consulting

Coal Industry in Georgia – Challenges, Opportunities, and CMM Situation
Mr. Gia Arabidze, Dean, Faculty of Power Engineering and Telecommunication, Georgian Technical University

17:00 Q&A
All Participants

17:30 End of Workshop