



25th World Mining Congress
ASTANA 2018 • KAZAKHSTAN

Date: 20 June 2018:

Session:

**Turning Coal Mine Methane into an Asset:
 Implementing Best Practices and Policies**

Session chairs: Global Methane Initiative (GMI) and United Nations Economic Commission for Europe (UNECE) Group of Experts on Coal Mine Methane (GOE on CMM)

General direction, goal: The goal of this session is to promote and encourage the adoption and implementation of best practices in the drainage and utilization of coal mine methane (CMM), and to promote enabling policies to further CMM project development.

Agenda

10.00 - 10.05	<p>Opening Remarks</p> <p><i>Ms. Volha Roshchanka, Program Manager, United States Environmental Protection Agency (U.S. EPA)/Global Methane Initiative (GMI)</i></p>
10.05 - 11.00	<p>Session 1: GMI and UNECE Group of Experts on CMM: Partnering to Reduce Emissions from Coal Mining Activities</p>
10:05 - 10:20	<p>The Global Methane Initiative (GMI) and its Role in Promoting CMM Utilization</p> <p><i>Ms. Volha Roshchanka, Program Manager, U.S. EPA/GMI</i></p>
10:20 - 10:30	<p>The UNECE Group of Experts on Coal Mine Methane</p> <p><i>Mr. Michal Drabik, Economic Affairs Officer, United Nations Economic Commission for Europe</i></p>
10:30 - 10:50	<p>An Introduction to the International Centres of Excellence on CMM: Poland and China</p> <ul style="list-style-type: none"> • Mr. Jacek Skiba, Chief Specialist, Experimental Mine "Barbara", GIG - Central Mining Institute, "ICE-CMM Poland" • Mr. Liu Jianguo, Original Director, New Industry Development Bureau, Shanxi Coking Coal Group Co., Ltd "ICE-CMM China"
10:50 - 11:00	<p>An Introduction: Best Practice Guidance for Effective Methane Drainage and Recovery in Coal Mines</p> <p><i>Mr. Raymond C. Pilcher, Chair, UNECE Group of Experts on Coal Mine Methane</i></p>

11:00 – 11:30	Session 2: CMM, AMM and VAM Projects
11:00 – 11:40	<p>Policies and Economics for CMM/AMM/VAM Project Development</p> <ul style="list-style-type: none"> Ms. Meredydd Evans, Senior Staff Scientist, Joint Global Change Research Institute, Pacific Northwest National Laboratory, <i>“Getting it Right: Policies that Provide a Solid Foundation for the Development of CMM/AMM and VAM Projects”</i> Mr. Jonathan Kelafant, Senior Vice President, Advanced Resources International (ARI), <i>“The Economics of Successful Project Development”</i>
11:40 – 12:00	Coffee Break
12:00 – 16:00	Session 3: Drainage and Utilization of Methane from Active Underground and Surface Mines
12:00 – 12:35	<p>CMM Utilization Case Studies and Applications</p> <ul style="list-style-type: none"> Mr. Yurii Bobrov, Executive Director, The Association of Mining Towns of Donbass, <i>“CMM Capture and its Use in Selected Urban Areas in Donbas”</i> Mr. Andrey Garanin, Director of UMG for Kazakhstan and CA, <i>“Recent CMM Project in Donbass Area and Plans for Adapting Experience in Kazakhstan”</i> Mr. Peeyush Kumar, Director, Ministry of Coal, Government of India, <i>“Opportunities for methane drainage and CMM extraction in India”</i>
12:35 – 13:00	<p>Perspectives for Surface Mine Methane (SMM)</p> <ul style="list-style-type: none"> Mr. Raymond C. Pilcher, Chair, UNECE Group of Experts on Coal Mine Methane, <i>“Surface Mining Worldwide: Emission Reduction Project Opportunities – Barriers and Possible Solutions”</i> Mr. Evgeny Alekseev, Deputy Director, Methane Center PA, <i>“Possible SMM Experimental Capture in Conditions of Kazakhstan Pits”</i>
13:00 – 14:00	Lunch
14:00 – 15:30	<p>Best Practices in Managing Degassing/Outbursts</p> <p><i>Moderator: Mr. Ray Pilcher, Chair, UNECE Group of Experts on CMM</i></p> <ul style="list-style-type: none"> Mr. Alexey Shalashinkiy, DMT/IMC Montan, <i>“Modern Approach to Coal and Gas Outburst Prevention”</i> Mr. Sergazy Baimukhametov, Advisor Director of Coal Department, ArcelorMittal Temirtau JSC, <i>“Improving Gas Outburst Management at Gassy Low Permeability Coal Seams at the Karaganda Coalfield”</i> 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, <i>“Technique and Results of the Measurement of Gas Content and Permeability of Coal Seams in Underground Mines”</i> Mr. Clemens Backhaus, Engineer, A-TEC Anlagentechnik GmbH, <i>“Case Studies on Degassing at Active Mines in Kazakhstan”</i>
15.30 – 16.00	<p>Ventilation Air Methane (VAM) Projects: Opportunities and Challenges</p> <ul style="list-style-type: none"> Mr. Richard Mattus, Consultant, RM Business Consulting, <i>“VAM Processing - International Experiences from Proven Technology”</i> Mr. Steven Wan, Fortman (Beijing) Clean Energy Technology, <i>“Destruction and Utilization of Coal Mine Ventilation Air Methane in China”</i>

16:00 – 16:30	Coffee Break
16:30 – 17:50	Session 4: Best Practices in Drainage and Utilization of Methane from Abandoned / Closed Mines
16.30 – 17.50	<p><i>Moderator: Mr. Michael Cote, President, Ruby Canyon Engineering</i></p> <ul style="list-style-type: none"> • Mr. Michael Cote, President, Ruby Canyon Engineering, <i>“Optimizing Abandoned Mine Methane Resources at Abandoned Mines in the United States”</i> • Mr. Clemens Backhaus, Engineer, A-TEC Anlagentechnik GmbH, <i>“Case Study from Germany on the Degassing and Utilisation of Mine Gas from Abandoned Mines”</i> • Mr. Evgeny Ivankin, Chief Engineer, Karagandalikvidshakht, <i>“Providing Safety While Managing Gas Emissions at Mining Allotments of Abandoned Mines in Karaganda Coal Basin.”</i> • Mr. Magsud Yalymov, Chief miner on subsoil, ArcelorMittal Temirtau JSC, and Mr. Sergey Morozov, Specialist on Subsoil of ArcelorMittal Temirtau JSC, <i>“The State of Methane Emissions from the Liquidated Mines and the Experience of Using Methane Gas from the Waste Spaces of the Operating Mines of the Karaganda Coal Basin”</i>
17.50 – 18.00	<p>Closing Remarks</p> <p><i>Volha Roshchanka and Michal Drabik</i></p>