Coal Mine Methane as a Valuable Energy Source
Hotel QUBUS, Nadwiślańska Street 6, Cracow, Poland
Agenda as of 26.02.2019
25-28 February 2019

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Monday, 25 February 2019
Afternoon
Arrival to Cracow and Registration in the Hotel

Tuesday, 26 February 2019
Morning (1 h)
11:00 Organizational Meeting / Preparation for the Workshop (for speakers only)
Room “Piano”, Hotel QUBUS, Nadwiślańska Street 6, Cracow, Poland

Afternoon
Networking meeting / Dinner (TBC)

Wednesday, 27 February 2019

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Opening Part (10 mins)

10:00 Housekeeping and Introduction to the Workshop
Mr. Michał Drabik, Economic Affairs Officer, United Nations Economic Commission for Europe (UNECE)

10:05 Opening Speech
Mr. Łukasz Kroplewski, Vice- President, Polish Oil and Gas Company (PGNiG), President, International Centre of Excellence on Coal Mine Methane in Poland (ICE-CMM in Poland)

Case study of Colombia (1h 30 mins)

10:10 Is There Methane Gas Potential in Colombia? SGC Experience in Estimating CBM resources in the Country
Mr. Marco Rincon, Geologist, Colombian Geological Survey (SGC)

10:25 Current state of the Colombian Mining Sector and the Strategy for its Future Development
Ms. Gloria Catalina Gheorghe, Mine Safety and Rescue Manager, National Mining Agency (ANM)

10:40 Challenges Faced by Mining Licence Holders due to Methane Emanations during Underground Coal Mining Exploitation; A Case Study of Colombiana de Minerales.
Ms. Katerine Avila Acero, Operational Manager, Colombiana de Minerales
10:55 **Obstacles to Development of the CBM Projects in Colombia Related to the Environmental Concerns of the Local Communities**  
Mr. Marco Rincon, *Geologist, SGC*

11:10 **Foreign Experience of Developing CMM Projects in Colombia**  
Mr. James Marshall, *Vice-President, Raven Ridge Resources Inc.*

11:25 **Security Challenges in Colombian Mines; Overview of Regulations Pertaining to the Mine Safety and Explosion Prevention**  
Ms. Gloria Catalina Gheorghe, *Mine Safety and Rescue Manager, ANM*

**Coffee Break 11:40 – 12:00**

**International Experience Part I (1h 30 mins)**

12:00 **Polish Regulatory Framework on CMM/CBM; Estimating CMM Resources and Reserves – Polish Experience**  
Mr. Jerzy Hadro, Mr. Janusz Jureczka, *Upper Silesian Branch, Polish Geological Institute - National Research Institute (PIG-PIB)*

12:15 **Estimating CMM Resources and Converting them to Reserves – US Experience**  
Mr. James Marshall, *Vice-President, Raven Ridge Resources Inc.*

12:30 **The Efficiency of Capturing Methane During Mining Exploitation in Polish Conditions**  
Mr. Marek Borowski, *Vice Dean, Faculty of Mining and Geoengineering, AGH University of Science and Technology*

12:45 **Polish Mine Safety Regulations Concerning Methane Hazard Prevention**  
Mr. Henryk Koptoń, Mr. Arnold Przystolik, *GIG - Central Mining Institute*

12:55 **Overview of Ventilation Characteristics, Practices, and Regulations in Poland**  
Mr. Eugeniusz Krause, Mr. Jacek Skiba, Mr. Bartłomiej Jura, *GIG - Central Mining Institute*

13:05 **Hybrid Underground Installation for Energy Processing and Recovering from Ventilation Air Methane Combustion in Mine Workings for Their Further Air Conditioning**  
Ms. Joanna Łojewska, *Faculty of Chemistry, Jagiellonian University*

13:15 **Overview of Ventilation Characteristics, Practices, and Regulations in the US**  
Mr. James Marshall, *Vice-President, Raven Ridge Resources Inc.*

**Signing of a Cooperation Agreement between PGNiG and PGG for Implementation of the Geo-Metan Project (40 mins)**

13:30 **Opening Statement**  
Mr. Łukasz Kroplewski, *Vice-President PGNiG*

13:33 **Geometan Project - Presentation**  
Mr. Janusz Jureczka, *Director, Upper Silesian Branch, PIG-PIB*
13:40 **Introduction to the Agreement between PGNiG and PGG**
Mr. Piotr Woźniak, *President, PGNiG*
Mr. Piotr Bojarski, *Vice-President, PGG*

13:50 **Signing of the Agreement between PGNiG and PGG**
Mr. Piotr Woźniak, Mr. Łukasz Kroplewski, *PGNiG*
Mr. Piotr Bojarski, Mr. Andrzej Paniczek, *PGG*

13:55 **Press Conference**

**Lunch Break 14:10 – 15:10**

**International Experience Part II (1h 15 mins)**

15:10 **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)*

15:25 **The Economics of Successful Project Development**
Mr. Phil Kong, *Analyst, Advanced Resources International (ARI)*

15:40 **Gilowice Project as a First Step to Develop Pre-Mine Drainage Technology in Poland – update on activities, review of the latest results**
Mr. Janusz Jureczka, Mr. Jerzy Hadro, *Upper Silesian Branch, PIG-PIB*
Mr. Łukasz Kroplewski, *Vice-President, PGNiG, President, ICE-CMM in Poland*

15:55 **CBM Gilowice Project – Applied Fracturing Technology, and the Obtained Results**
Mr. Piotr Kasza, *Head, Reservoir Stimulation Department, Oil and Gas Institute - National Research Institute*
Mr. Janusz Jureczka, *Director, Upper Silesian Branch, PIG-PIB*
Mr. Łukasz Kroplewski, *Vice-President, PGNiG, President, ICE-CMM in Poland*

16:10 **Strategic Role of CMM in Climate Change Mitigation; US Policies Affecting CMM Capture and Use**
Mr. Phil Kong, *Analyst, (ARI)*

**Coffee Break 16:25 – 16:45**

**Presentation of the CMM/CBM Equipment (1 h 15 mins)**

16:45 **Strata Mechanics Research Institute of the Polish Academy of Science**
*New measurement devices for ventilation methane content monitoring*
Mr. Janusz Kruczkowski
Mr. Piotr Ostrogórski

17:00 **Micon**
Mr. Stefan Rygulski
17:15 **Carboautomatyka S.A.**  
Mr. Wojciech Anders, Mr. Tomasz Lic

17:30 **EXME Berger Group**  
Mr. Marcin Krawczyk

17:45 **Horus Energia**  
Mr. Maciej Ziółkowski

**Closing Part (5 mins)**

18:00 **Closing Remarks**  
Mr. Łukasz Kroplewski, Vice-President, PGNiG, President, ICE-CMM in Poland  
Mr. Michał Drabik, Economic Affairs Officer, UNECE

18:05 **End of Workshop**

*Thursday, 28 February 2019*  
*Morning / Afternoon*  

Departure