

Methane in the Context of the Transition of the Coal Sector

Hotel QUBUS, Nadwiślańska Street 6, Cracow, Poland

Agenda as of 13.09.2021

27-28 September 2021

Monday, 27 September 2021

SEMINAR

Opening Part (40 mins)

14:00 Welcome and Housekeeping

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

14:05 Opening speech, and Introduction to the workshop

Mr. Raymond Pilcher, *Chair, Group of Experts on CMM*

14:25 International Centre of Excellence on Coal Mine Methane in Poland

Mr. Piotr Kasza, *Board Member, ICE-CMM Poland*

Coal Mine Methane Emissions Session

Methane emissions – Scale and impact on the environment (45 mins)

14:40 Impact of methane emitted from coal seams on the atmosphere

Mr. Nikodem Szlązak, *Professor, Faculty of Civil Engineering and Resource Management, AGH University of Science & Technology*

14:55 Why Coal Mine Methane needs urgent attention?

Ms. Małgorzata Kasprzak, *Junior research Analyst, EMBER*

15:10 Polish Energy Policy 2040 – key goals and ambitions

Mr. Paweł Pikus, *Director, Electricity and Gas Department*

Coffee Break 15:25 – 15:45

Monitoring and detection of methane emissions (1h)

- 15:45 **Presentation by International Methane Emission Observatory (IMEO)**
Mr. Manfredi Caltagirone, Head, *a.i. IMEO, United Nations Environment Programme*
- 16:00 **Aerial methods of methane detection**
Ms. Justyna Swolkień, *Professor, AGH University of Science & Technology*
- 16:15 **New methods of detecting methane emissions and benefits from their application**
Mr. Łukasz Kroplewski, *Vice-Chair, Group of Experts on CMM*
- 16:30 **Poland's coal mining data landscape - energy.instrat.pl**
Mr. Michał Hetmański, *President of the Board, Instrat Foundation*

Technical possibilities for capture and use (45 mins)

- 16:45 **Real possibilities of capturing methane from deep hard coal deposits**
Mr. Nikodem Szlązak, *Professor, Faculty of Civil Engineering and Resource Management, AGH University of Science & Technology*
- 17:00 **Orzesze-1 exploration well - new data on the presence of methane from coal beds in deep coal structures of the Upper Silesian Coal Basin**
Mr. Janusz Jureczka, *Director, Upper Silesian Branch, Polish Geological Institute - National Research Institute*
Mr. Michał Malczewski, *PGNiG*
- 17:15 **MARCO ventilation air methane utilisation technology - experience from the pilot project at the Barbara mine**
Mr. Robert Hildebrandt, *GIG KD Barbara*
Mr. Dariusz Świerczyński, *PROFILE Warszawa*

EU Methane Strategy and its impact on Polish Mining (45 mins)

- 17:30 **Presentation on EU Methane Strategy**
Mr. Malcolm McDowell, *Team Leader, Methane emissions, Green Transition and Energy System Integration, Unit C2 – Decarbonisation and Sustainability of Energy Sources, Directorate General for Energy (ENER), European Commission*
- 17:45 **Expected impact of the EU Methane Strategy on the coal industry in Europe**
Mr. Brian Ricketts, *Secretary-General, EURACOAL*
- 18:00 **Activities of Jastrzębska Spółka Węglowa S.A. in the context of the upcoming European Commission's Methane Strategy**
Mr. Artur Badyłak, *Director, Office of Degassing and Energy Utilities Management, JSW S.A.*
- 18:15 **Moderated Panel Discussion summarizing the session with Q&As (45 mins)**
- 19:00 End of the first day of the workshop

Tuesday, 28 September 2021

Introduction (10 min)

- 9:00 **Welcome**
Mr. Michał Drabik, *Economic Affairs Officer, UNECE*
- 9:05 **Introduction**
Mr. Raymond Pilcher, *Chair, Group of Experts on CMM*

Technical Session

CMM (2h 15 mins)

- 9:10 **The ways of improving the efficiency of degasification of the JSW S.A.'s mines**
Eugeniusz Krause, *Professor, Department of Mining Aerology, GIG*
- 9:25 **Methane intake trough directional wells – a case study of PGG**
Mr. Grzegorz Plonka, *Chief Specialist - Coordinator, Natural Hazards Bureau, PGG*
- 9:40 **Electricity production from CMM; a case study of JSW**
Mr. Marek Borowski, *Vice Dean, Faculty of Civil Engineering and Resource Management, AGH University of Science and Technology*
- 9:55 **DDMet project**
Ms. Renata Cicha-Szot, *Oil and Gas Institute, National Research Institute (INiG-PIB)*
Mr. Tomasz Topór, *Oil and Gas Institute, National Research Institute (INiG-PIB)*
Mr. Bartłomiej Jura, *Central Mining Institute*
Mr. Jacek Skiba, *Central Mining Institute, Vice-Chair, Group of Experts on CMM*
- 10:10 **New solutions for the utilization of ventilation air methane from VAMPIRE mines**
Ms. Joanna Paczkowska, *Jagiellonian University / CTIPT sp z o.o.*
- 10:25 **Extraction and utilization of methane in underground coal mining in Russia**
Mr. Alexey Shlyapin, *Deputy Director, Head of the Centre for problems of methane and gas-dynamic phenomena in coal and ore deposits, Institute of Comprehensive Exploitation of Mineral Resources, Russian Academy of Science*
- 10:40 **Technical presentation on a selected aspect of CMM in China**
International Centre of Excellence on Coal Mine Methane in China
- 10:55 **Technical presentation on a selected aspect of CMM in Tajikistan**
Mr. Furugzod Usmonov, *Ministry of Energy and Water Resource, Tajikistan*
- 11:10 **Technical presentation on a selected aspect of CMM in Kazakhstan**
Mr. Evgeny Alekseyeev, *Deputy Director, Methane Center PA*

Coffee Break 11:25 – 11:45

AMM (1h)

- 11:45 **New approach to methodology for estimating methane resources in closed mines of the Upper Silesian Coal Basin**
Mr. Jerzy Hadro, Mr. Janusz Jureczka, *Upper Silesian Branch, Polish Geological Institute - National Research Institute (PIG-PIB)*
- 12:00 **Combating methane hazard from goafs of the liquidated "Moszczenica" mine, conducted in SRK S.A. Branch KWK "Jas-Mos - Rydułtowy I" Ruch "Jas-Mos"**
Mr. Mieczysław Lubryka, *Deputy Director, Branch KWK "Jas-Mos Rydułtowy I", Mine Restructuring Company (SRK)*
Mr. Janusz Smoliło, *Vice President for Mine Closure, SRK*
- 12:15 **Experience of GURSH in implementation of measures to prevent harmful effects of methane emissions to the surface from mines liquidated during restructuring of the coal industry in Russia.**
Mr. Andrey Moiseenkov, *Director, Federal state budgetary institution for the reorganization and liquidation of unprofitable mines and open-pit mines (FGBU GURSH)*
- 12:30 **AMM project in Germany**
Mr. Stefan Möllerherm, *Research Administrator, Technische Hochschule Georg Agricola*

Mine Closure and Repurposing (1h)

- 12:45 **Development strategy of the Śląskie Voivodeship in the context of the socio-economic transformation of the region.**
Mr. Dariusz Stankiewicz, *Head of the Regional Transformation Department, Regional Development Department, Silesian Marshal's Office*
- 13:00 **Trends of changes in the coal mining sector of Russia**
Mr. Valerii Zakharov, *Director, Center for Coal Mine Methane in Russia, Russian Academy of Science*
- 13:15 **The World Bank's approach to Just Transition for All**
Magdalena Chawuła-Kosuri, *Energy & Extractives Consultant, World Bank*
- 13:30 **Laboratory Lusatia - Decarbonization of an Industrial (Coal) Region**
Mr. Hans Rüdiger Lange, *Professor, Brandenburgische Technische Universität Cottbus-Senftenberg*
- 13:45 **Q&As (15 mins)**
- 14:00 **End of Workshop**