



**Post-Mining Perspectives:  
Capture and Use of Abandon Mine Methane  
and  
Mine Reclamation and Revitalization of Post Mining Areas**

*Hotel QUBUS, Nadwiślańska Street 6, Cracow, Poland*

*Agenda as of 14.02.2020*

**24-26 February 2020**

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**Wednesday, 26 February 2020**

**SEMINAR**

**Opening Part (25 mins)**

- 9:00 **Housekeeping and Introduction to the workshop**  
Mr. Michał Drabik, *Economic Affairs Officer, United Nations Economic Commission for Europe (UNECE)*
- 9:05 **Opening speech UNECE**  
Mr. Raymond Pilcher, *Chair, Group of Experts on CMM*
- 9:15 **Opening speech GMI**  
Mr. Clark Talkington, *Vice-President, Advanced Resources International*

**Environmental Aspect of AMM (45 mins)**

- 9:25 **The Problem of AMM: Fugitive emissions composition, accumulation, migration and potential hazards**  
Mr. Raymond Pilcher, *Chair, Group of Experts on CMM*
- 9:40 **Scope of methane emissions from abandoned mines and their impact on the environment**  
Mr. Clark Talkington, *Vice-President, Advanced Resources International*
- 9:55 **Estimating future AMM emissions**  
Mr. Raymond Pilcher, *Chair, Group of Experts on CMM*

**Coffee Break 10:10 – 11:30**

**AMM Projects: Planning, Design, Technologies, Regulations, Examples (2h 30 mins)**

- 10:30 **Polish regulations pertaining to AMM capture and utilization; examples of AMM projects in Poland**  
Mr. Jerzy Hadro, Mr. Janusz Jureczka, *Upper Silesian Branch, Polish Geological Institute - National Research Institute (PIG-PIB)*

- 10:45 **Planning AMM projects: Quantifying resources, reservoir testing, feasibility study, gas production Strategies, AMM utilization options**  
Mr. Clark Talkington, *Vice-President, Advanced Resources International*
- 11:00 **AMM resources and reserves assessment – Polish experience**  
Mr. Jerzy Hadro, Mr. Janusz Jureczka, *Upper Silesian Branch, Polish Geological Institute - National Research Institute (PIG-PIB)*
- 11:15 **Efficiency of capturing methane from abandoned mines in Polish conditions**  
Mr. Marek Borowski, *Vice Dean, Faculty of Mining and Geoengineering, AGH University of Science and Technology*
- 11:30 **Intelligent Mine Closure; a case study of the AMMUSCB project, a first AMM capture and use project in Poland**  
Mr. Krystian Wierzbiński, *Central Mining Institute*
- 11:45 **AMM project development in Germany: regulations, financing, examples of projects**  
Mr. Clemens Backhaus, *Engineer, A-TEC Anlagentechnik GmbH*
- 12:00 **AMM project development in the Saar region**  
Mr. Stefan Möllerherm, *Research Administrator, Technische Hochschule Georg Agricola*
- 12:15 **Abandoned Mine Methane recovery in Northern France**  
Mr. Julien Moulin, *Chairman, Francaise de l'Energie*  
Mr. Jean Pierre Kucheida, *Chairman, French Mining Towns Association*
- 12:45 **Low quality AMM is also a resource**  
Mr. Ake Kallstrand, *Technical Director, Environment, Climate & Energy, DÜRR- MEGTEC*

**Lunch Break 13:00 – 14:00**

**Revitalization of Post Mining Areas (1h 15 min)**

- 14:00 **Revitalization of post mining areas: circular economy contributors**  
Ms. Alicja Krzemien, *Head, Department of Risk Assessment and Industrial Safety, Central Mining Institute*  
Mr. Pedro Riesgo Fernández, *Professor, School of Mining, Energy and Materials Engineering, University of Oviedo*
- 14:15 **Presentation on revitalization of post mining areas / post-mining waste management**  
Mr. Bartłomiej Bezak, *Head, Innovation and New Technologies Team, Polish Mining Group*
- 14:30 **Revitalisation of post-mining areas in Brzeszcze in the context of energy transition in mining regions**  
Mr. Marek Cała, Ms. Anna Ostręga, *AGH University of Science and Technology*
- 14:45 **Protection of mining heritage in the mine closure and revitalisation processes – case study from Brzeszcze, Poland**  
Ms. Anna Ostręga, Ms. Natalia Kowalska, *AGH University of Science and Technology*

## **EU Policy and Regulations on Coal and Methane (2h 15 mins)**

- 15:00 **Current and future EU policy on methane**  
Ms. Carmen Opera, *Policy Officer, DG Energy, European Commission*
- 15:15 **EU policy and regulations on CMM and AMM capture and utilization; incentives, barriers, and available funds**  
Mr. Robert Zielger, *European Commission*
- 15:30 **Possibilities for funding of Methane related projects under the RFCS fund; priorities for the future**  
Mr. Lucas Jansen, *Policy Officer, DG Research and Innovation, D4 – Coal and Steel, European Commission*
- 15:45 **EU policy on coal and mine closure - coal regions in transition platform**  
Mr. Brieuc Posnic, *European Commission*

## **Coffee Break 16:00 – 16:20**

- 16:20 **Polish Government's Perspective**  
Mr. Maciej Bialek, *Chief Expert, Mining Department, Ministry of State Assets*
- 16:35 **Polish Coal Industry's Perspective**  
Mr. Janusz Olszowski, *President, Polish Mining Chamber of Industry and Commerce*
- 16:50 **EU Coal Industry's Perspective**  
Ms. Magdalena Chawula - Kosuri, *Deputy Secretary General, EURACOAL*
- 17:05 **Moderated discussion with the audience**  
Mr. Raymond Pilcher, *Chair, Group of Experts on CMM (Moderator)*

## **Closing Part (10 mins)**

- 17:20 **Closing Remarks**  
Representatives of the UNECE Group of Experts on CMM, *Chair, Vice-Chair, and Secretary*
- 17:30 **End of Workshop**