



Operating under auspices of the UNECE Group  
of Experts on Coal Mine Methane

# Annual Activity Report

**17th Session of the Group of Experts on Coal Mine Methane and Just Transition**  
**Geneva, 21-23 March 2022**



## The activities of ICE-CMM Poland in 2021

- Formal joining JSW into ICE-CMM on 25 January 2021 – decision of ICE-CMM Board  
Current Board Members:

**Artur Badylak – Chairman**  
JSW S.A

**Zbigniew Lubosik PhD – Member**  
Central Mining Institute (GIG)

**Janusz Jureczka PhD – Member**  
Polish Geological Institute - National Research Institute (PIG-PIB)

**Piotr Kasza PhD – Member**  
Oil and Gas Institute - National Research Institute (INiG-PIB)

**Stanisław Zwolan – Member**  
Polish Oil and Gas Company (PGNiG)



## The activities of ICE-CMM Poland in 2021

### 16th Session of the Group of Experts on Coal Mine Methane

Geneva, Switzerland, March 3-4 2021

#### Speakers from ICE-CMM Poland:

- *J. Skiba, New Developments in the Field of Methane Management in Polish Mines.*
- *P. Kasza, Report by the International Centre of Excellence on Coal Mine Methane.*
- *A. Badylak, Presentation of the work on CMM of the new member of ICE-CMM Poland.*



## The activities of ICE-CMM Poland in 2021

### School of Underground Mining

### Seminar: Methane in the Context of the Transition of the Coal Sector

Cracow, Poland, September 27-28 2021

#### The role of ICE-CMM Poland:

- Co-organizer
- Sponsor
- *Participant*

The workshop was attended by over 60 specialists from Poland (including AGH, GIG, INiG, PIG, SRK, JSW and PGG) and abroad (including China, Kazakhstan, Germany, Russia, the United States, Tajikistan, and from the European Commission).

## Speakers from ICE-CMM Poland:

- **P. Kasza**, *International Centre of Excellence on Coal Mine Methane in Poland.*
- **J. Jureczka, M. Malczewski**, *Orzesze-1 exploration well - new data on the presence of methane from coal beds in deep coal structures of the Upper Silesian Coal Basin.*
- **R. Hildebrandt, D. Świerczyński**, *MARCO ventilation air methane utilisation technology - experience from the pilot project at the Barbara mine.*
- **A. Badylak**, *Activities of Jastrzębska Spółka Węglowa S.A. in the context of the upcoming European Commission's Methane Strategy.*
- **E. Krause**, *The ways of improving the efficiency of degasification of the JSW S.A.'s mines.*
- **R. Cicha-Szot, T. Topór, B. Jura, J. Skiba**, *DDMet project.*
- **J. Hadro, J. Jureczka**, *New approach to methodology for estimating methane resources in closed mines of the Upper Silesian Coal Basin.*





## The activities of ICE-CMM Poland in 2021

**28th International Science and Technology Conference  
Natural Mining Hazards 2021  
Poland, November 8-10 2021**

### **The role of ICE-CMM Poland:**

- Co-organizer
- Sponsor
- *Participant*

The conference was attended mainly by people from Polish mines, companies and research centers, but also colleagues from the Czech Republic, Germany, Spain and Great Britain.



### Speakers from ICE-CMM Poland:

- ***P. Kasza, M. Drabik**, Activity of the International Center of Excellence for Methane from Coal Mines in Poland as part of the UNECE Expert Group on Methane from Coal Mines and Just Transition.*
- ***J. Hadro, J. Jureczka**, New approach to methodology for estimating methane resources in closed mines of the Upper Silesian Coal Basin.*
- ***A. Badylak**, Activities of Jastrzębska Spółka Węglowa S.A. in the context of the upcoming European Commission's Methane Strategy.*
- ***S. Trenczek, K. Wierziński, A. Walentek, H. Koptoń, M. Karbownik**, A new, comprehensive approach to the study and forecasting of the methane hazard in the longwall area.*

## Other activities of ICE-CMM Poland in 2021

- Promotional activities of the translated Best Practice Guidance for Effective Methane Drainage and Use in Coal Mines.
- ICE-CMM website administration and update (<http://www.igg.pl/ICE-CMM>).
- Report on the activities of the International Centre of Excellence on Coal Mine Methane in Poland operating at the Chamber of Commerce for Gas Industry for the period 01/06/2017 - 31/12/2020 submitted to the President of the Republic of Poland, Prime Minister, Ministers of State Assets, Economic Development and Technology, Climate and Environment, Director of National Centre of Research and Development and Managing Companies that are Members of ICE-CMM.
- Preparation of the draft report constituting the repository of knowledge acquired by the Center from all the conference in which ICE-CMM participated.





## Other activities of ICE-CMM Poland in 2021

- At the request of the Presidium of ICE-CMM, the Management Board of IGG on December 17, 2021 adopted Resolution No. 32/2021 on the termination of the operation of the International Centre of Excellence on Coal Mine Methane in Poland (ICE-CMM) within the Chamber of the Gas Industry.
- From January 1st, 2022 The activity of ICE-CMM is continued as part of the Central Mining Institute in Katowice.



## The upcoming ICE-CMM Poland activities in 2022

- Seminar at the School of Underground Mining, Methane Session, ( April 2022, Cracow, Poland).
- 17th Session of the Group of Experts on CMM, Geneva, 21-22 march 2022 (Presentation of 2021 report).
- Participation in the International Forum on Energy for Sustainable Development, (September 2022, Armenia)
- Participation in the Global Methane Forum.
- Participation in the International Scientific and Technical Conference in the series Natural Mining Hazards (November 2022, Poland).
- Development of ICE-CMM as a part of Central Mining Institute (GIG).
- Creation of a new website of the Center within GIG and its updating.
- Preparation of the annual report on methane emissions and its use (May 2022).



## The upcoming ICE-CMM Poland activities in 2022

- Addendum (Supplement) to "Best Practice Guidance for Effective Methane Drainage and Use in Coal Mines" containing an overview of best practices in the scope of methane capture from coal seams and the management or disposal of gas obtained in this way in Poland, along with at least two case studies on the implementation of these practices in selected Polish mines.
- Publication of the Polish version of the AMM Best Practice Guide and MRV Best Practice Guide.
- Report on the assessment of the resource potential and the possibility of mining methane from coal beds in abandoned hard coal deposits in Poland.
- Report on the results of the presence of methane in deeply lying coal seams (below 2000 m) - based on the Orzesze-1 well.
- Presentation of the project on the reduction of methane emissions and its economic use (as part of the Research Fund for Coal and Steel).



# Thank you for your attention

