International Centre of Excellence on Coal Methane in Poland

Jacek Skiba

j.skiba@gig.eu
The opening of the International Center of Excellence on Coal Mine Methane on June 7th-9th 2017 in Poland
Polish hard coal industry – current state

Poland:
Total coal production – 127.0 Mt
   (2016: 130.7 Mt)
Hard coal – 65.8 Mt
   (2016: 70.5 Mt)
Lignite (brown coal) – 61.2 Mt
   (2016: 60.2 Mt)
## Methane drainage - potential in Poland

<table>
<thead>
<tr>
<th>Specification</th>
<th>Year</th>
<th>Trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Absolute methane bearing capacity (million m³/year)</td>
<td>870.3</td>
<td>880.9</td>
</tr>
<tr>
<td>Methane drainage (million m³/year)</td>
<td>289.5</td>
<td>274.2</td>
</tr>
<tr>
<td>Amount of economically utilized methane (million m³/year)</td>
<td>158.3</td>
<td>156.5</td>
</tr>
<tr>
<td>Number of the hard coal mines</td>
<td>33</td>
<td>31</td>
</tr>
<tr>
<td>Hard coal output (Mt)</td>
<td>94.3</td>
<td>83.6</td>
</tr>
</tbody>
</table>
Methane drainage - potential in Poland

Total CH$_4$ released during mining operations
918.7 million m$^3$ (2017)
Founders of ICE-CMM Poland

Central Mining Institute
Polish Geological Institute – National Research Institute
Oil and Gas Institute – National Research Institute
Polish Oil and Gas Company

The Center in Poland operates within
The Chamber of the Natural Gas Industry

and under UNECE patronage

www.igg.pl/ICE-CMM
The Board of ICE-CMM Poland

Each of the institutions forming the Center has appointed a representative to the ICE-CMM

The Board:

Łukasz Kroplewski POGC – Chairman
Zbigniew Lubosik CMI – Member
Janusz Jureczka PGI-NRI – Member
Piotr Kasza OGI-NRI – Member

www.igg.pl/ICE-CMM
ICE-CMM Poland Funding

✓ Members fee
✓ Donations
✓ Projects

Currently the estimated annual expenditure is 100 thousand dollars, half of which is covered by our own contributions
Deliverables ICE-CMM Poland

1. Polish translation of the Best Practice Guidance for Effective Methane Drainage and Use in Coal Mines by March 2018

2. A demand-driven capacity-building workshop
   ✓ promotes gas drainage
   ✓ principles and best practices for pre-, during and post-mine gas drainage
   ✓ use of the drained gas
   ✓ destruction methods of unused gas
   by the end of 2018 and by the end of 2019 (if requested)

3. Two demand-driven seminars
   ✓ practical application of best practices in two different coal mining regions
   by the end of the year 2018 and 2019
Deliverables ICE-CMM Poland

4. A capacity-building workshop
   ✓ technologies and methods of gas drainage from CBM
   ✓ problems and opportunities associated with development of CBM projects by December 2019

5. Status reports on the activities of ICE-CMM in Poland in 2018 and 2019 at the Annual Session of UNECE Group of Experts on CMM

6. Two to four case studies
   ✓ implementation of best practices in effective methane drainage in operating coal mines (Poland and other countries cooperating with ICE) by December 2019

7. Stand and presentation of ICE-CMM Poland at the Global Methane Forum – April 2018 in Toronto

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The forthcoming activities of ICE-CMM Poland

✓ Workshop and visit ICE-CMM China in Poland – by the end of 2018
✓ Presentation of ICE-CMM at the COP24 conference in Katowice – December 2018
Thank you for your attention