

QUESTIONNAIRE

**Workshop on Best Practice Guidance for Effective Methane Drainage and Use in Coal Mines**

**Karaganda, Kazakhstan, 2016**

Dear Sir/Madam,

We ask you kindly to answer the questions below. It is called to help us to arrange the workshop in a way to address the coalmine gas management issues relevant to your mining conditions in the most appropriate manner.

**General questions:**

1. Your area of expertise at the mine:
  - Gas drainage \_\_\_\_\_
  - Safety \_\_\_\_\_
  - Gas utilization \_\_\_\_\_
  - Other (please specify) \_\_\_\_\_
2. Does your mine employ longwall installations, room and pillar installations or both? \_\_\_\_\_  
\_\_\_\_\_
3. Does the mine use advancing or retreating ventilation systems in the longwalls? \_\_\_\_\_  
\_\_\_\_\_
4. Does the mine use multi-level mining, i.e., from the top down (shallowest seam – to deepest seam or vice versa)? \_\_\_\_\_  
\_\_\_\_\_
5. Has the mine experienced any methane related incidents (fires or explosions) in the last three years? If yes, please describe. \_\_\_\_\_  
\_\_\_\_\_
6. Does the mine have a history of gas outbursts? \_\_\_\_\_  
\_\_\_\_\_
7. Does the mined coal have a tendency for spontaneous combustion? \_\_\_\_\_  
\_\_\_\_\_

**Gas drainage and ventilation:**

8. Which gas drainage techniques are exploited at your mine:
  - Gob wells from the surface \_\_\_\_\_
  - Pre-drainage from the surface \_\_\_\_\_
  - Subsurface pre-drainage \_\_\_\_ in-seam horizontal boreholes \_\_\_\_ drainage gallery \_\_\_\_

- Cross-measure boreholes \_\_\_\_\_
  - Other (please specify) \_\_\_\_\_
9. What is the main concern regarding effectiveness of the mine methane control systems? \_\_\_\_
- \_\_\_\_\_

**Mine gas utilization:**

10. Does your mine have any gas utilization practice:
- Use of the gas from the drainage \_\_\_\_\_
  - Use of ventilation methane \_\_\_\_\_
11. In case of utilization, the gas is used for the purpose of:
- Heating \_\_\_\_\_
  - Power generation \_\_\_\_\_
  - Other (please specify) \_\_\_\_\_

**Workshop:**

12. Which issue you would like to be addressed while the workshop discussions:
- Pre-drainage efficiency in conditions of low permeability \_\_\_\_\_
  - Prevention and control of coal and gas outbursts and existing best practice \_\_\_\_\_
  - Stability of subsurface pre-drainage boreholes \_\_\_\_\_
  - Utilization of mine gas from drainage system \_\_\_\_\_
  - Utilization of ventilation methane \_\_\_\_\_
  - Effective practice of incentives for mine gas utilization \_\_\_\_\_