

Methane Mondays

9th Meeting

Ninth meeting, Monday, 5 June 2023, 16:00-17:45 Geneva time

Online

Draft outline

- **Topic:** *Coal mining lifecycle from exploration through closure and repurposing. The value of real time monitoring from onsite measurements and remote sensing.*
- **Focus:**
 - Monitoring of methane emissions, water, subsidence, and waste through time, over the mine life cycle.
- **Issues to be addressed in presentations:**
 - Available tools for, and methods of monitoring;
 - Matters to pay attention to (methane, water, subsidence, waste);
 - Current practices and room for improvement;
 - Safety matters;
 - Resource management and circularity (potential savings)

Plan of the event:

Housekeeping, Mr. Michal Drabik, Secretary, NECE Group of Experts on CMM and JT (4 minutes)

Welcoming remarks, Mr. Raymond Pilcher, Chair, UNECE Group of Experts on CMM and JT (4 minutes)

Presentations: (60 minutes)

- Monitoring global methane emissions via satellite imagery; general introduction of current industrial applications, Mr. Ozgur Acir, President, The Association of Geological Researches (JADE)
- Application of remote sensing in coal mine methane monitoring, Mr. Ioannis Binietoglou, Clean Air Task Force (CATF)
- Gaseous emissions related to the fire of coal seams and mining heaps - measurement techniques and experimental insight, Mr. Jaroslaw Necki, AGH University of Krakow (AGH)
- Monitoring of induced seismic events in German hard coal post-mining areas, Mr. Stefan Möllerherm, The Georg Agricola University of Applied Sciences (THGA)
- Geomonitoring in Post-Mining - New approaches for water monitoring, Mr. Stefan Möllerherm, The Georg Agricola University of Applied Sciences (THGA)

Summary by Mr. Raymond Pilcher, Chair, UNECE Group of Experts on CMM and JT (7 minutes)

Debate moderated by Mr. Raymond Pilcher, Chair, UNECE Group of Experts on CMM and JT (30 minutes)