

Workshop: Methane Management in Extractive Industries

Organizers: United Nations Economic Commission for Europe, UN Environment, Global Methane Initiative (tbc), European Bank for Reconstruction and Development, Oil and Gas Climate Initiative

Target group: Coal Community, Oil and Gas Community, Methane Management Community

Methane is a powerful greenhouse gas (GHG) and a short-lived climate pollutant. While methane stays in the atmosphere for a much shorter time than CO₂, taken gram-for-gram it has a significantly higher global warming potential. Addressing methane emissions not only significantly reduces the rate of warming in the near term, but also contributes to climate solutions in a longer-term perspective. Since methane, unlike other GHGs, can be used for energy generation, its proper management offers opportunities to mitigate global climate change in an economically viable manner. Reducing methane emissions can also deliver safety and local air and water quality benefits making reduction projects very attractive from an environmental, economic and social perspective.

Based on IEA estimates, about 60% of global methane emissions are due to human activities, of which coal mining accounts for 11% and natural gas and oil systems for 22% (12% and 10% respectively). Managing methane is both a challenge and an opportunity for delivering on the Paris Agreement's objectives and attaining the Sustainable Development Goals. Currently, information available on methane emissions from extractive industries is sporadic and often based on estimates. There are neither common technological approaches to monitoring and recording methane emissions, nor standard methods for reporting them.

This session will share the latest science on methane emissions, the benefits of managing this GHG, how the emissions can be reduced credibly and cost-effectively, and progress in developing best practices.

Guiding questions:

- *Science of methane emissions: quantity and distribution of methane emissions*
- *What are the practices for measuring, monitoring and reporting methane emissions in the oil and gas industry?*
- *Where does the greatest potential for reducing methane emissions in the oil and gas industry lie?*
- *What are the obstacles to capitalizing on the existing opportunities and what can be done to overcome them?*
- *What are the good practices for measuring, monitoring and reporting methane emissions in the coal industry?*
- *How can methane emissions from the coal sector be reduced?*
- *Economics of methane emissions.*
- *Methane emissions in NDCs.*

| Time | Content | Speaker |
|-------------|--|---|
| 16.00-16.05 | Opening Remarks | Mr. Maksym Nemchinov , State Secretary, Ministry of Energy and Coal Industry of Ukraine |
| 16.05-16.10 | Introduction to the discussion | Moderator: Mr. Mark Radka , Chief, Energy and Climate Branch, Economy Division, UN Environment |
| 16.10-17.10 | Panel Discussion: <ul style="list-style-type: none"> • Science of Methane Emissions <ul style="list-style-type: none"> ○ Quantifying the issue ○ Distribution of methane emissions ○ Methane emissions in NDCs • Economics of reducing methane emissions • Methane Management in the Oil and Gas Sectors <ul style="list-style-type: none"> ○ Practices and technologies for MRV ○ Inventory standards ○ Practices and technologies for remediation ○ Opportunities and obstacles • Methane Management in the Coal Sector <ul style="list-style-type: none"> ○ Opportunities for reduction of methane emissions at each stage of the coal life-cycle | Panelists: <p>Mr. Cristian Carraretto, Associate Director, Energy Efficiency & Climate Change, EBRD</p> <p>Mr. Torleif Haugland, Senior Partner, Carbon Limits, Consultant, UNECE</p> <p>Mr. Jason Hummel, US EPA Contractor and GMI Project Network Member</p> <p>Mr. Oleksii Khabatiuk, Deputy Head, Energy Efficiency Department, Naftogaz</p> <p>Mr. Julien Perez, Strategy & Policy Director, OGCI</p> <p>Mr. Raymond Pilcher, Chair, UNECE Group of Experts on Coal Mine Methane</p> |
| 17.10-17.25 | Q&A with audience | All participants |
| 17.25-17.30 | Wrap-Up / Conclusion | Mr. Scott Foster , Director, Sustainable Energy Division, UNECE |