

Oil & Gas Subcommittee  
30 March 2021  
Webinar Meeting

## **SUMMARY**

The Global Methane Initiative (GMI) Oil & Gas Subcommittee held a webinar, “Improved Collection and Verification of Methane Emissions Data for Effective Mitigation” on 30 March 2021. The webinar was hosted by Mr. James Diamond of Environment and Climate Change Canada (ECCC) and moderated by Mr. Mark Taylor, Taylor Energy Advisors. The webinar focused on (1) Increasing the value of methane emissions data to policy makers, regulators, oil and gas producers and contractors; (2) Collection, verification, and sharing of methane emissions data from the oil and gas industry; (3) Single platform storage of methane emissions data to improve data integrity; (4) User interfaces to reduce the challenges and cost of collecting emissions data while improving the quality; and (5) Learning from the data, trusting the data, and value added analysis of the data for methane mitigation. There were approximately 108 participants in the webinar representing a range of countries and organizations.

The webinar recording and presentation slides are available on the [GMI website](#).

### **Introductions and Welcoming Remarks**

The GMI Oil & Gas Subcommittee Co-Chair, Mr. James Diamond, ECCC provided welcoming remarks, reviewed the agenda for the meeting, and provided a brief update on the GMI Oil & Gas Subcommittee activities. He introduced the webinar moderator, Mr. Mark Taylor, Taylor Energy Advisors.

### **Introduction to Webinar and Speakers**

Mr. Taylor presented a brief introduction to the webinar topic and introduced the webinar speakers.

#### **Presentation: *Improved Collection and Verification of Methane Emissions Data for Effective Mitigation***

Ms. Dora Luz Llanes Herrera, Agencia de Seguridad, Energía y Ambiente (ASEA), introduced the status of Mexico’s methane regulations. She discussed Mexico’s plans for data collection from new and existing facilities in the hydrocarbon sector, analysis of this data, options for creating databases and information repositories, and strategies for developing public progress reports. Ms. Llanes also discussed the challenges and opportunities for collection, verification, and sharing of methane emissions data from the industry.

#### **Presentation: *Methane: Data Collection and Mitigation***

Ms. Robyn Wille, Air Pollution Control Division, Colorado Department of Public Health and Environment, discussed methane data collection and mitigation initiatives taking place in Colorado. She introduced several Colorado legislative directives and relevant regulatory actions. Ms. Wille also discussed multiple oil and gas monitoring programs including the Colorado Air Monitoring Mobile Lab (CAMML), Aerial Survey Projects, and Satellite and Remote Sensing Technology Projects.

#### **Presentation: *Beyond compliance: Integrated Models for Emissions Reporting and Mitigation Strategy Development***

Mr. Alberto Alva, Process Ecology, reviewed strategies for capturing trustworthy emissions data, and information. He discussed integrated models and the minimum data required as well as supplemental information for improved accuracy. Mr. Alva emphasized the importance of detailed emission profiles and mitigation strategies which include system-wide, facility, and technology summaries.

**Presentation: *Moving Beyond Compliance and Changing Perspectives on Data Collection***

Ms. Brenna Barlow, Radicle, discussed the opportunities associated with detailed emissions data and explained that shifting perspectives on the emissions data supply chain beyond compliance alone can lead to increased value and revenue for firms. She noted that it is important for organizations to consider the unique challenges of oil and gas field, to intervene with collected data as soon as possible, and to move data to necessary channels.

**Presentation: *Data = Decisions***

Mr. Darcy Spady, Carbon Connect International, presented key goals for capturing emissions data across the oil and gas industry. He emphasized the importance of utilizing consistent methodologies to maintain accurate and quantifiable data. Mr. Spady also discussed key elements of user interfaces mentioning that valuable user interfaces should accept input from multiple systems and be user friendly.

**Question and Answer**

Mr. Taylor facilitated a question and answer session. Each speaker answered specific questions regarding strategies and methods for collection and verification of methane emissions data for use in mitigation efforts.

**Wrap Up**

Mr. Diamond emphasized that the GMI Oil & Gas Subcommittee welcomes feedback and suggestions on topics for future webinars. He thanked the presenters and webinar participants. He confirmed that the recording and presentation slides would soon be available on the GMI website.