

This abstract will be presented during LNG2023 conference on 10-13 July in Vancouver, Canada among many other innovative projects, ideas and outlooks. LNG2023 will provide a unique platform for the global LNG industry and key stakeholders to discuss, debate, and showcase the latest industry developments and opportunities.



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QMRV OF EMISSIONS ALONG THE LNG SUPPLY CHAIN – A PRACTICAL APPROACH

Investors, governments, and customers have increasing expectations on climate, even as recent geopolitical matters have elevated energy security above climate concerns. Governments have a focus on methane emissions accounting and reductions from industry with emphasis on the LNG supply chain. Some investors want emissions targets as tangible metrics that demonstrate commitment and measure progress. Governments are pursuing climate policies and regulations, such as the EU's proposed methane strategy. The effectiveness of mitigation strategies rests on the ability to quantify methane emissions more accurately than existing approaches. This paper will discuss key components of quantification, monitoring, reporting, and verification (QMRV) programs for methane emissions. To better understand emissions, measurement protocols, and technologies, several companies are participating in QMRV research projects across the supply chain. This QMRV program was implemented to develop and field-test the three components of a methane measurement and mitigation program: the protocol; novel monitoring technologies; and independent verification and scale up potential. Initial results have found that data quality and timeliness can be improved through sustained measurements, analysis, and verification of these measurements by academic experts. The next phase involves establishment of tools for reliable, independent, transparent, and measurement-based emissions assessments.

To view the full conference agenda, visit <https://www.lng2023.org/lng-programme-overview>