

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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## USING ENVIRONMENTAL ATTRIBUTES AND BLOCKCHAIN TO PROMOTE TRANSPARENCY AND LIQUIDITY IN THE GAS TRADE

Measurement, reporting, and verification (“MRV”) requirements associated with the sale of energy and the marketing of low-carbon products such as low-carbon LNG are becoming increasingly important.

Whether a project developer is advancing a low-carbon LNG project (or, indeed, another low-carbon fuel project such as hydrogen or ammonia), the developer must implement some mechanism to demonstrate, in a verifiable way, the carbon profile of that product (i.e., the environmental attribute, or “EA”).

Low-carbon LNG is sold into existing commodities markets, and the market’s increasing liquidity complicates the marketing of low-carbon LNG. LNG Trade is no longer a point-to-point industry, and the potential for cargo swaps, re-loadings, and other such transactions means that a cargo of “low-carbon” LNG might not arrive at the originally – intended destination. Moreover, molecules being traded are identical, irrespective of the carbon footprint.

Growing a liquid market requires that EAs are transparent and separable from the physical product. Such EAs can be used to facilitate the growth of reliably low-carbon LNG markets.

I will discuss mechanisms that can be included in LNG agreements to increase transparency and liquidity in the low-carbon LNG trade, including:

- Potential models for EAs,
- Contractual structure for EAs for LNG Sale and Purchase Agreements, and
- Anticipating changing legal requirements and industry standard

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