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IMPROVING THE TRANSPARENCY OF GREENHOUSE GAS EMISSIONS FROM THE LNG CHAIN

TRANSPARENCY ABOUT GREENHOUSE GAS EMISSIONS OF LNG: INITIATIVE FROM THE INDUSTRY

Abstract (250 words):

Even though in 2022, focus have been put on security of supply and the key role played by LNG in Europe, the greenhouse gas emissions remain a great challenge for the LNG industry. While the industry has decided to tackle this challenge for many years, criticisms regarding the lack of transparency and the lack of homogeneity in methodologies have arisen. In 2021, GIIGNL have proposed its framework of best practice guidelines to monitor, report, verify (MRV) and offset greenhouse gas emissions associated with LNG cargoes. The Framework has been developed by a Task Force of around 50 technical and commercial LNG industry experts covers the entire LNG life-cycle. It proposes the first transparent and homogeneous requirements to calculate the GHG footprint associated with each stage of the LNG value chain from feed gas production to combustion. It also defines criteria for the use of carbon offsets when emissions cannot be avoided. In 2022 and 2023, GIIGNL has led a pilot study on the practical implementation of the Framework. This paper reminds the key features of the Framework and reports on the challenges and the opportunities that have been identified by this study.