

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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### ENVIRONMENTAL REGULATORY AND PERMITTING CHALLENGES OF LNG PROJECT DEVELOPMENT

Large scale development projects are instrumental to nation's economic growth, social development, and prosperity. For economic benefits to be sustainable, environmental regulatory issues must be identified at the initial stage and assessed for the entire life cycle of a project. Environmental regulatory assessment at the early stage of the project enhances the overall environmental sustainability and avoids project delays. The development of large-scale Liquefied Natural Gas (LNG) projects creates environmental challenges that include GHG emissions, criteria air contaminants emissions, waste generations and discharge of effluents to receiving water bodies. Environmental risks such as marine (flora and fauna), soil and groundwater impacts are inherently associated with these large-scale development projects and pose additional environmental liability issues. Uncertainty, complexity, and variability in global environmental regulations further add to the challenges associated with the environmental management process. To manage environmental permitting risks during construction, commissioning, and operational phases of LNG projects, Qatargas has developed a comprehensive cradle-to-grave environmental management system, which assess a project's technology in line with current and foreseeable international environmental regulatory requirements and long-term environmental impacts of the development.

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