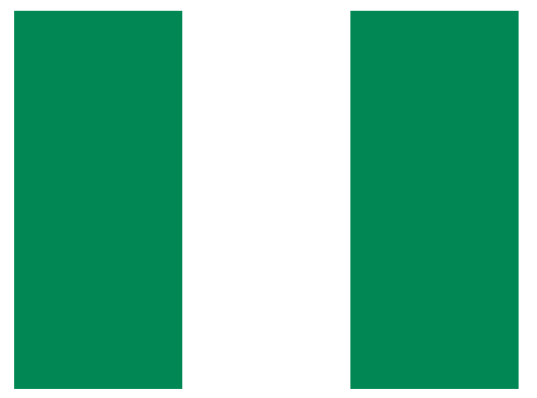


Innovative Approaches for Methane Emissions Reduction in Nigeria's Oil and Gas Sector

Nigeria / Africa



PROJECT DESCRIPTION

Clean Air Task Force, with support from the Climate and Clean Air Coalition, collaborated with the Nigerian Government to formulate effective implementation of guidelines for methane mitigation in the oil and gas sector, a milestone approved in November 2022.

- **Guidance:** Prepared a guidance document aimed at establishing a fugitive methane baseline and implementing a Leak Detection and Repair (LDAR) program.
- **Data Reporting:** Developed a methodology and framework for data reporting for methane management.
- **Workshops:** Organized workshops to familiarize regulators with the content of the methane regulations and guide them on implementation strategies.
- **Emissions Estimates:** Stakeholders provided training on the utilization of the Country Methane Abatement Tool (CoMAT) to enable them to accurately estimate emissions.
- **Emissions Reduction Efforts:** A demonstration of LDAR techniques was conducted for all stakeholders to enhance their understanding of its functionality and its role in emissions reduction efforts.

RESULTS ACHIEVED

- **Quantified Methane Emissions:** An illustration of CoMAT to quantify methane emissions from the Nigerian oil and gas sector based on industry information specific to Nigeria.
- **Leak Detection and Repair Program:** A practical showcase of LDAR techniques, accompanied by an evaluation of their adequacy and effectiveness in accordance with the frequency requirements outlined in the methane guidelines.
- **Methane Mitigation Program:** A practical demonstration showcasing the development of an oil and gas methane baseline and the implementation of a mitigation program, utilizing internationally recognized best practices in the field.

PARTNERS INVOLVED IN PROJECT

- Clean Air Task Force
- Climate and Clean Air Coalition
- Nigerian Upstream Petroleum Regulation Commission
- Carbon Limits Nigeria



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