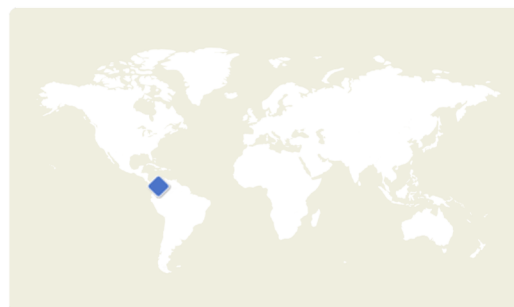


BASELINE SCOPING STUDY OF EMISSIONS IN COLOMBIA



Scoping a multi-sector measurement study of anthropogenic methane emission sources in Colombia.



DONOR:
Global Methane Hub
and Bezos Earth Fund



**BENEFITTING COUNTRIES
OR REGIONS:**
Colombia



SECTOR:
Multisector



Subsector, if applicable:
—

STATUS: Analysis ongoing

TIMELINE: Scoping started 2024



**IMEO SCIENCE
OBJECTIVE:**

→ **Advance science studies in support of countries targeting methane mitigation.**



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KEY FINDINGS

This effort will design a suitable measurement-based strategy for quantification of prioritized anthropogenic methane emissions in Colombia. The next step, a full Baseline Study, would estimate total methane emissions nationally and across sectors and can inform national greenhouse gas inventories, reveal areas to prioritize emission reduction, and help discover the sources of discrepancies.

RATIONALE

Colombia, like many countries, faces challenges setting effective methane reduction targets and tracking progress due to a lack of measurement-based emissions data across sectors. The country has already demonstrated significant leadership on methane through regulatory efforts, but better measurement data is needed to ensure mitigation efforts are targeted and effective.



RELATED PUBLICATIONS

In progress



SIGNIFICANCE FOR DECISIONMAKERS

For Policymakers

The scoping study will lay the groundwork for a full Baseline Study of Colombia. The Baseline Study would produce data to improve Colombia’s national greenhouse gas inventory by reducing uncertainty and improving the understanding of opportunities to reduce methane emissions.



STUDY APPROACH/ACTIVITIES

The scoping study began with a review of existing information on methane emissions in Colombia, identifying underestimated and non-estimated emission sources and improvement opportunities. Second, the researchers identified the technologies best suited for measuring methane sources in Colombia. Third, a mapping of the research community is underway, including a national workshop aimed at developing the measurement strategy and fostering collaboration in Colombia. Fourth, a measurement campaign will be designed including prioritization of emission sources. Finally, results will be published in a manuscript.



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CATALYZING ACTION

IMEO is gathering key stakeholders from industry, policy and science communities to assess opportunities to use data from the study to drive deep reductions in methane emissions. The team has approached several government and industry stakeholders to identify their knowledge and data gaps, their capacity to support the project, as well as their interest in the study and the implementation of its results in the future. A national workshop was held in October 2024 bringing together academic, government and industry stakeholders.

OTHER SUPPORTERS/STAKEHOLDERS

Principal Investigator: **Universidad Nacional de Colombia, Colombia**

Revision History: **25 October 2024**



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The UN Environment Programme’s International Methane Emissions Observatory (IMEO) exists to provide open, reliable, and actionable data to the individuals with the agency to reduce methane emissions. IMEO does this by integrating and reconciling data across sources, including its global methane science studies. IMEO supports measurement and research studies around the world to close the knowledge gap on methane emissions and provide policy-relevant insights to decisionmakers.