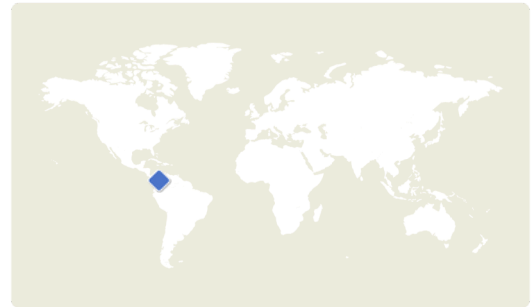


# MULTI-SCALE MEASUREMENTS IN COLOMBIA



Addressing a critical lack of actionable methane measurement data in Colombia.



**DONOR:**  
European Commission /  
Germany



**BENEFITTING COUNTRIES  
OR REGIONS:**  
Colombia



**SECTOR:**  
Oil & Gas



**Subsector, if applicable:**  
-

**STATUS:**  
Measurement campaign ongoing

**TIMELINE:**  
Measurements 2024



**IMEO SCIENCE  
OBJECTIVE:**

→ **Advance reconciliation and data integration approaches for multi-scale emissions data**



© Bridger Photonics Inc.



## KEY FINDINGS

This study will combine measurements at regional, site and source level to characterize emissions from oil and gas production in Colombia.

## RATIONALE

There are few empirically-based estimates of methane emissions from South American oil and gas producing countries. This study will combine measurements at regional, site and source level to characterize emissions from oil and gas production in Colombia.



### RELATED PUBLICATIONS

*In progress*



---

### CATALYZING ACTION

The work will be a core contribution to generating a multi-sector methane baseline emissions estimate for Colombia.



---

### SIGNIFICANCE FOR DECISIONMAKERS

*in progress.*

---

### OTHER SUPPORTERS/STAKEHOLDERS

Principal Investigator: **Carleton University**

Revision History: **26 October 2024**



---

### STUDY APPROACH/ACTIVITIES

The project will establish robust procedures to produce a quantitative measurement-based inventory of oil & gas methane emissions in Colombia. The study will combine measurements from the air, using Gas Mapping LiDAR technology to survey thousands of sites. This will be complemented by a detailed ground-based campaign to further investigate sources across multiple scales.

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.