

World Bank Research: GHG Tracking & Mitigation for Cities with Satellite Data

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CO₂

Journal Publication:

- [Subways and CO₂ emissions: A global analysis with satellite data](#)
Science of the Total Environment

Policy Research Working Papers:

- [Scalable Tracking of CO₂ Emissions: A Global Analysis with Satellite Data](#)
WPS 10297
- [Urban CO₂ Emissions: A Global Analysis with New Satellite Data](#)
WPS 9845

Blogs:

- [Are nations fulfilling their carbon pledges? Introducing a satellite-based carbon emissions database to enable easy tracking](#)
- [Deploying 'Sentinel Satellites' to monitor Green House Gas Emissions.](#)
- [Cutting Global Carbon Emissions: Where do Cities Stand?](#)

Dataset:

- [Change Estimates of CO₂ Emissions for Functional Urban Areas](#)

"This is a stellar contribution to GHG mapping. This [database and performance indices] could be potentially a game changer because a participating city could use this information from automated satellite readings as baseline data, set targets and reach out to carbon markets for financing."

CH₄

Policy Research Working Paper:

- [Identifying and Monitoring Priority Areas for Methane Emissions Reduction](#)
WPS 10391

Blog:

- [Eyes in the sky: tracking methane through satellites to facilitate emissions reduction for climate mitigation](#)

Dataset:

- [Estimates of Methane Emissions for Functional Urban Areas](#)

"The data and the extremely valuable insights from your recent publications are particularly useful in helping leaders and other stakeholders to understand and appreciate the significance of emissions generated by their respective cities. [The resources are helping] to explore options for designing zero waste programs through public-private partnerships in pilot cities."

Quotes from:

Dr. Vijay Jagannathan, President, CityNet
Senior Fellow, WRI Ross Center of Sustainable Cities
Appointed Member of the Advisory Board of Eminent Persons on Zero Waste
by the UN Secretary General

