



Implementing Synergistic Solutions to Air Pollution and Climate Change in Asia and Beyond: From Science to Policy to Action

EDF's Global Clean Air Actions and Partnerships for Health and Climate


Sergio Sánchez

Senior Policy Director for Global Clean Air
Environmental Defense Fund

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**Clean Air Is one of the fastest paths
to health and climate stability**

EDF Global Clean Air focuses on strengthening systems that enable sustained air pollution reductions



For over a decade we've been at the forefront of demonstrating how new data insights can open new pathways for action on clean air



Data to action



Implementation for impact



Partnerships to scale impact

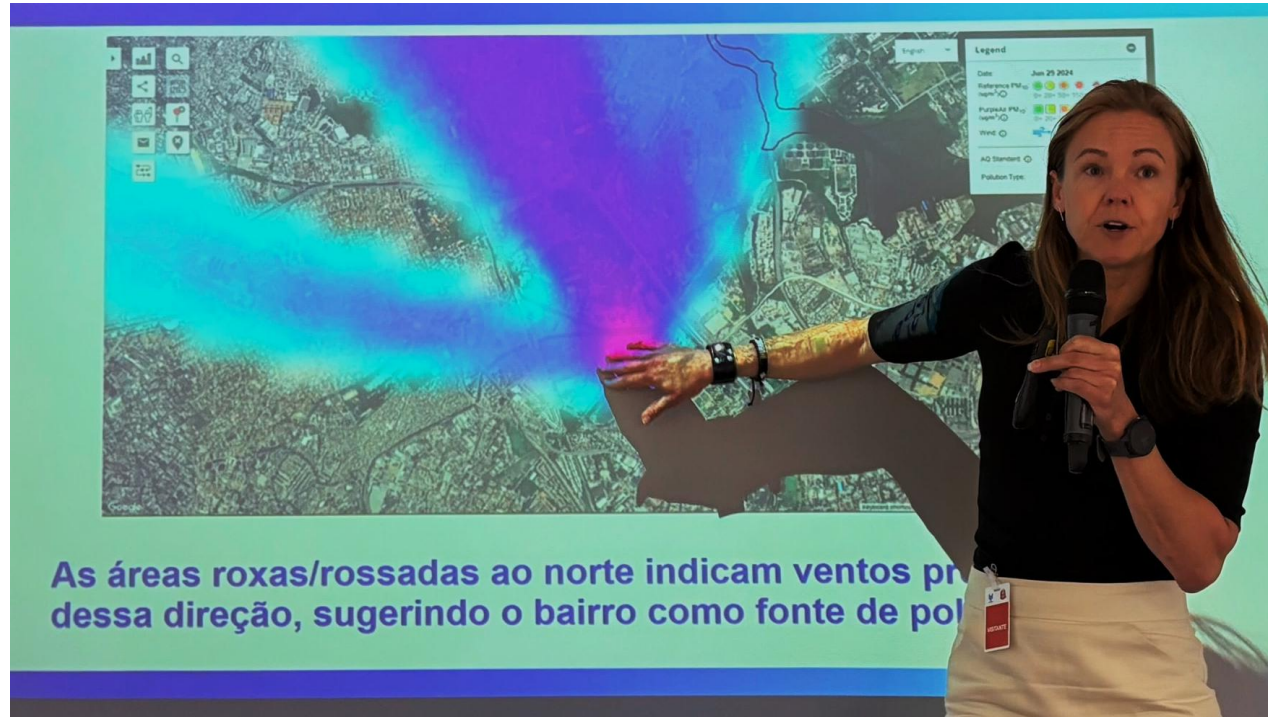
Evidence informing Action

EDF's work shows how technology, advanced analytics, and improved monitoring help cities identify sources, assess impacts, and guide interventions.

- **London** — Breathe London monitoring network documented NO₂ reductions after the Ultra Low Emission Zone (ULEZ).
- **Auckland & Houston** — Hyperlocal monitoring revealed pollution hotspots linked to traffic, industry, and freight.
- **Oakland, California** — Hyperlocal monitoring showed large neighborhood differences in pollution exposure, highlighting disproportionate impacts.
- **Warehouse Freight Study (U.S., 10 states)** — EDF analysis found truck pollution near warehouse hubs disproportionately affects communities of color and lower-income areas.

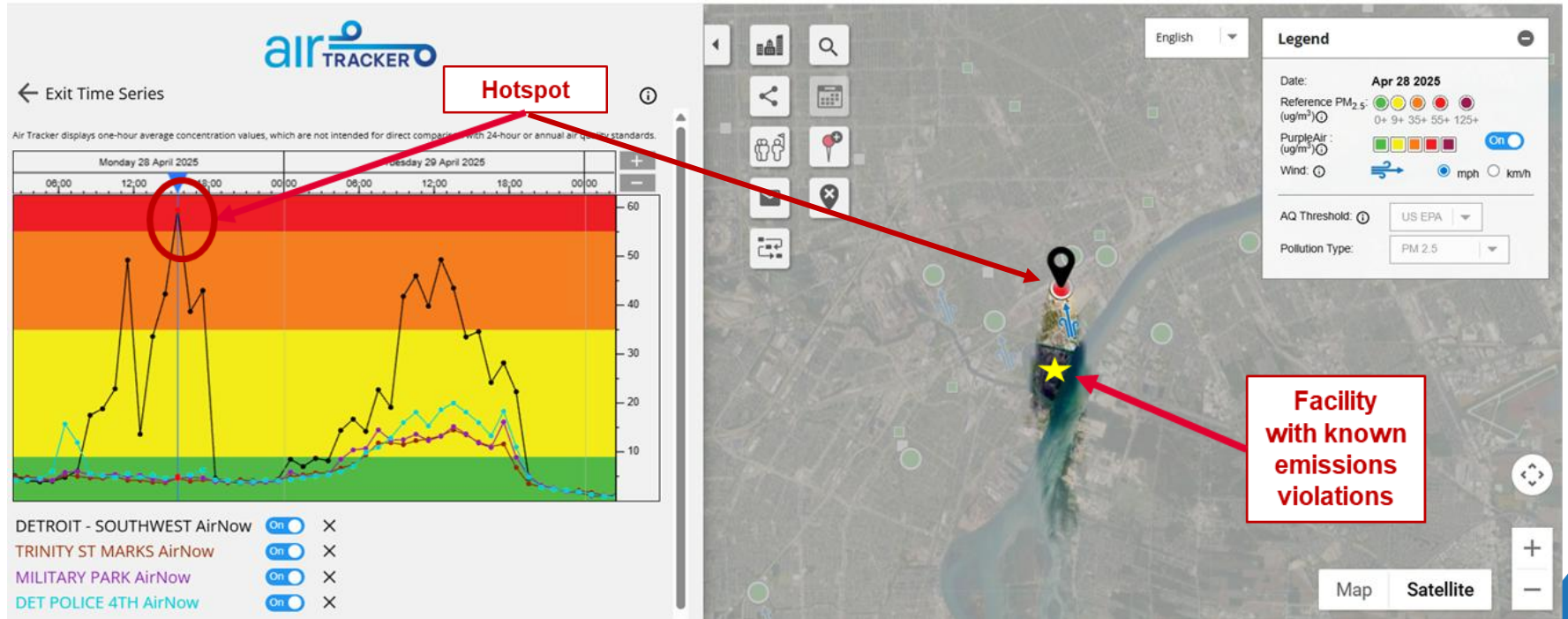
Better evidence enables more targeted action.

We're innovating to make air quality data accessible and actionable while integrating climate and air quality efforts.



As áreas roxas/rossadas ao norte indicam ventos predominantes dessa direção, sugerindo o bairro como fonte de poluição.

Air Tracker: Automated hotspot identification with inverse modeling to find source



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Brazil: Enabling Effective Clean Air Implementation

Collaboration with federal institutions and partners is supporting a major overhaul of Brazil's air quality system, including:

1) Governance

modernized national air quality management framework for health and climate

2) Monitoring and science

expanded monitoring capacity and stronger analytical tools

3) Sustainable financing

mechanisms based on the Polluter Pays Principle

From science to action

Air pollution and climate change arise from many of the **same sources** — and can be addressed through many of the **same solutions**.

Strengthening **integrated air quality management systems**:

- grounded in **science**
- supported by effective **governance**
- enabled by **sustainable financing**

enables countries to translate knowledge into coordinated action across sectors and levels of government, delivering:

cleaner air • healthier populations • climate progress • sustainable development



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CONFERENCE 11-13 MAR • BANGKOK



**Thank you
for listening!**

Contact us at globalcleanair@edf.org (scan QR code)
More info at edf.org/cleanair

