

AIR INSIGHTS

Purpose-driven analysis to translate local air quality data into action

What is Air Insights?

Cities around the world are collecting more air quality data than ever, but technical and capacity gaps too often keep them from turning that data into actions that deliver cleaner air and better health. To close these gaps, EDF is developing **Air Insights, a suite of open-source analysis tools that converts pollution measurements into localized insights that a city can act on.**

For over a decade, EDF scientists have partnered with cities to pioneer models, analytical tools and other methods to track pollution hotspots and pinpoint local sources. Air Insights brings these capabilities and more together into one package that city teams, community leaders and scientists can use to build customized clean air policies that work.

Why Air Insights?

Air Insights offers a menu of action-oriented analytical tools that can adapt to each city's unique circumstances and needs. It also offers demonstrations for cities to deploy across a variety of cloud systems to generate localized recommendations for clean air policy solutions.



Cities are collecting more air quality data than ever, yet many lack capacity to put it fully to work.

What Air Insights provides

- **Broad compatibility** with varied city data systems and with data on diverse pollutants, including PM2.5, NOx, VOCs and more.
- **Source identification** to map upwind source areas and reveal where pollution starts
- **Automated detection** to flag hotspots, daily patterns and one-off events
- **Trend analysis** to quantify changes over time and track progress against policy goals

Tailored to your city

Air Insights isn't a one-size-fits-all solution. It is an action-oriented suite of tools that adapts to your city's unique data landscape and resource constraints. Whether you are a technical analyst or a policymaker, Air Insights automates the analytical heavy lifting, allowing you to focus on what matters most: real-world solutions.

PARTNER WITH US : CO-CREATE AIR INSIGHTS

We're seeking cities to pilot Air Insights. City partners will get free, early access to the platform, free technical support and a chance to help shape a resource that will benefit cities worldwide.

To learn more, email us at globalcleanair@edf.org or scan the QR code below.

SCAN TO GET IN TOUCH

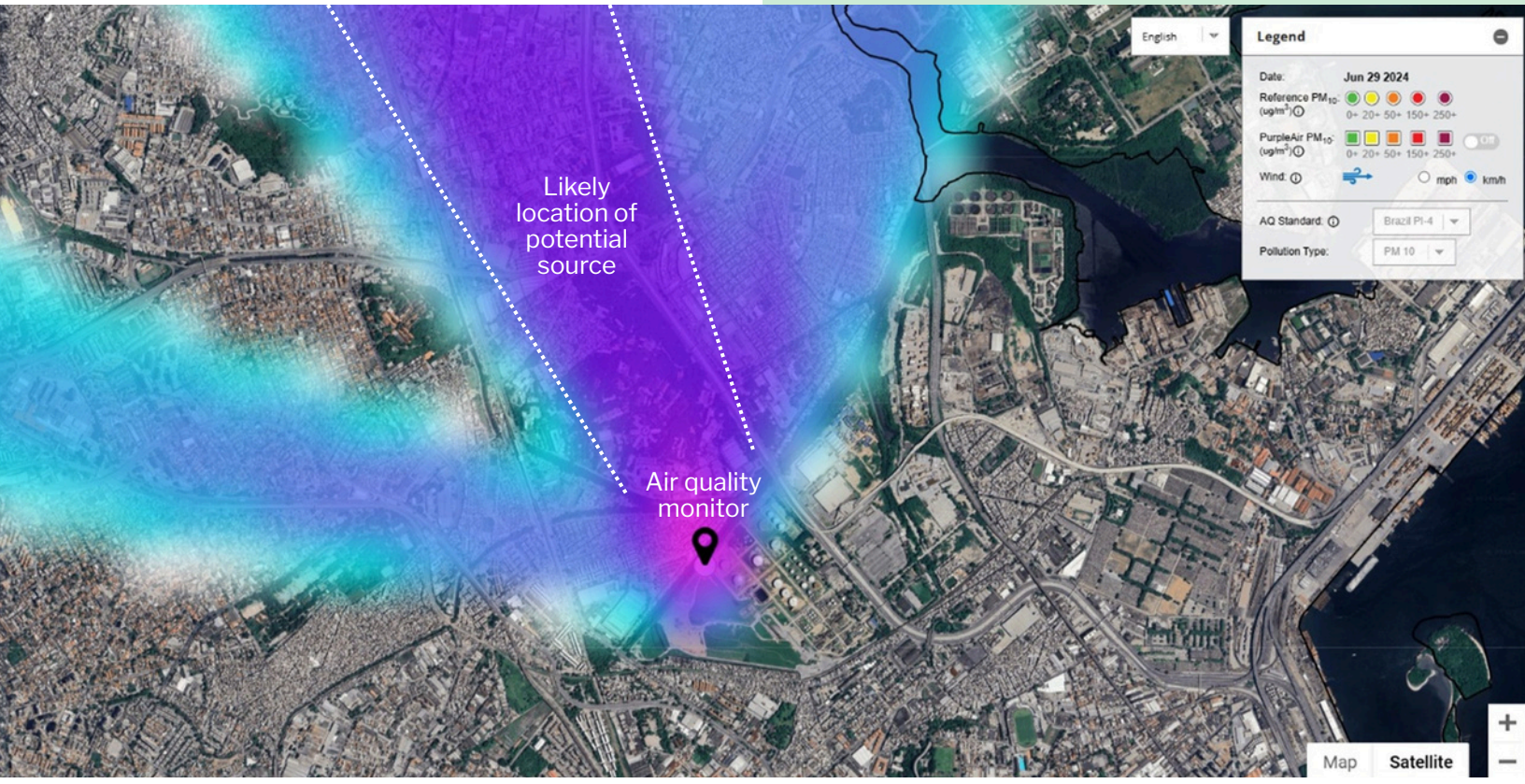
Questions Air Insights can help answer

Air Insights is informed by and built for people like you: city air quality teams, advocacy groups, scientists, analysts and more.

Designed for both policymakers and technical users alike, it gives cities a complete menu of cutting-edge tools designed to deliver localized answers to critical questions, such as:

- **Where are pollution hotspots and when do they happen?**
- **What pollution sources are likely contributing to hotspots?**
- **Are existing policies or interventions improving air quality?**
- **How is local air pollution changing over time?**
- **Is my city's data reliable enough to take action on?**

Through Air Insights, cities gain access to a complete menu of capabilities, including EDF's cutting-edge Air Tracker tool, which can track the path of multiple pollution spikes over time to identify patterns and potential sources, as shown in the heat map example below from Rio de Janeiro.



For more information, please scan the QR code above to email us at globalcleanair@edf.org

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