



PROVIDING UNIVERSAL ACCESS TO AIR QUALITY DATA TO EMPOWER A GLOBAL COMMUNITY OF CHANGEMAKERS IN SOLVING AIR INEQUALITY

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OpenAQ is a nonprofit organization that aggregates and harmonizes real-time air quality data and provides universal and open access to air quality data and tools.

COMMUNITY AMBASSADOR PROGRAM



Together with OpenAQ, these ambassadors commit to advocating for data transparency and contribute to collective action against air pollution.

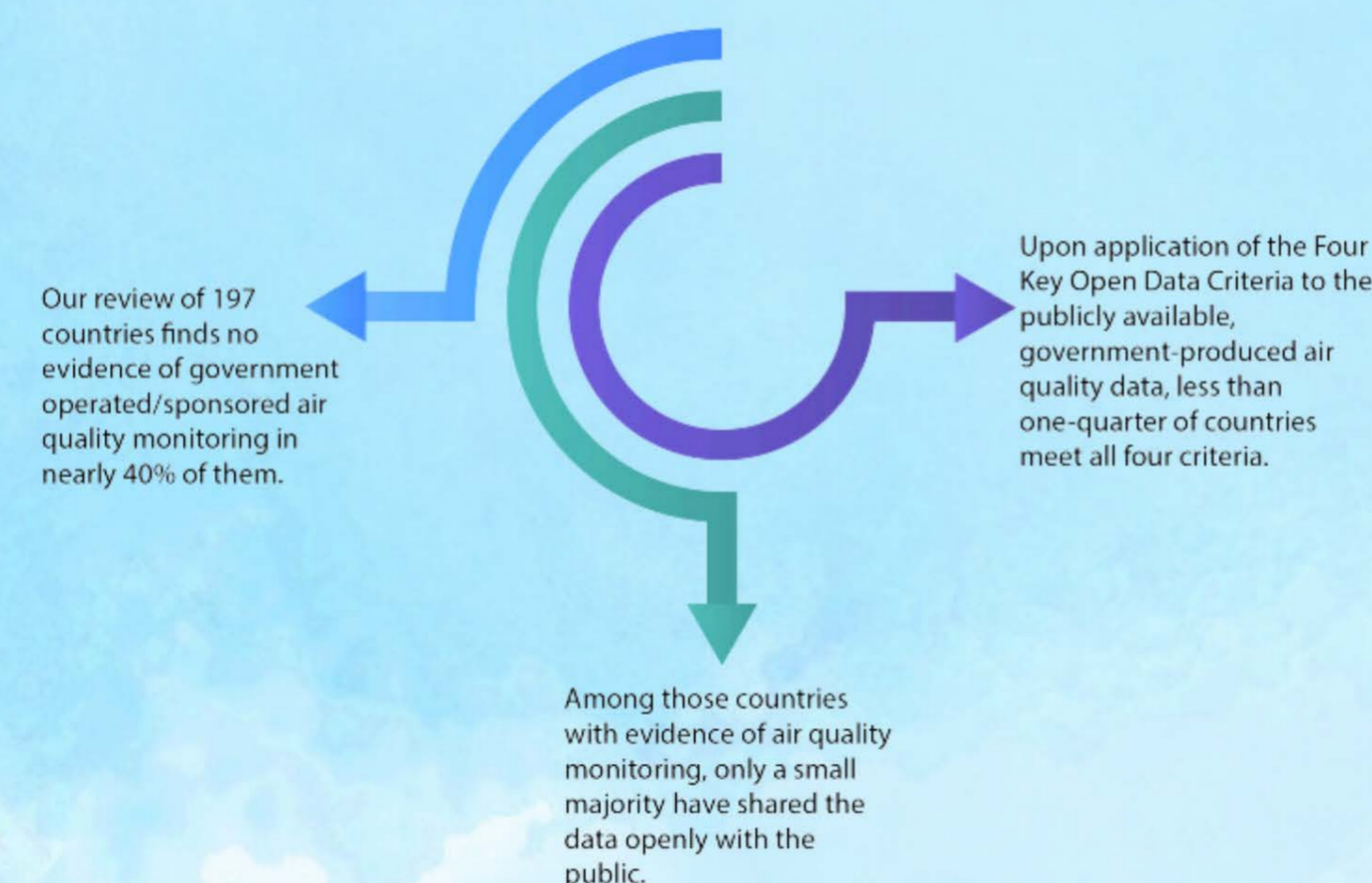
Besides receiving training from the OpenAQ team on the current technology and tools for air quality data analysis, such as the [OpenAQ Explorer](#) and [API](#), the Community Ambassadors will learn about the fundamentals of air pollution monitoring, atmospheric chemistry, air pollution and health, and open data principles. They have opportunities to interact with the wide network of air quality researchers and advocates within the OpenAQ community.

As OpenAQ Community Ambassadors, these individuals serve as facilitators of open data and air quality monitoring in their locales. To jumpstart this, they received air sensors — many thanks to the generosity and support of our partners [Clarity](#), [AirGradient](#), and [ATMO](#).

OPEN AIR QUALITY DATA: GLOBAL LANDSCAPE REPORT



OpenAQ publishes the only global assessment of whether and how national governments are producing and sharing air quality data with the public. Our most recent assessment found that at least one billion people are living where their national government doesn't monitor air quality and that less than one-quarter of the world's countries provide open access to maximally useful air quality data.

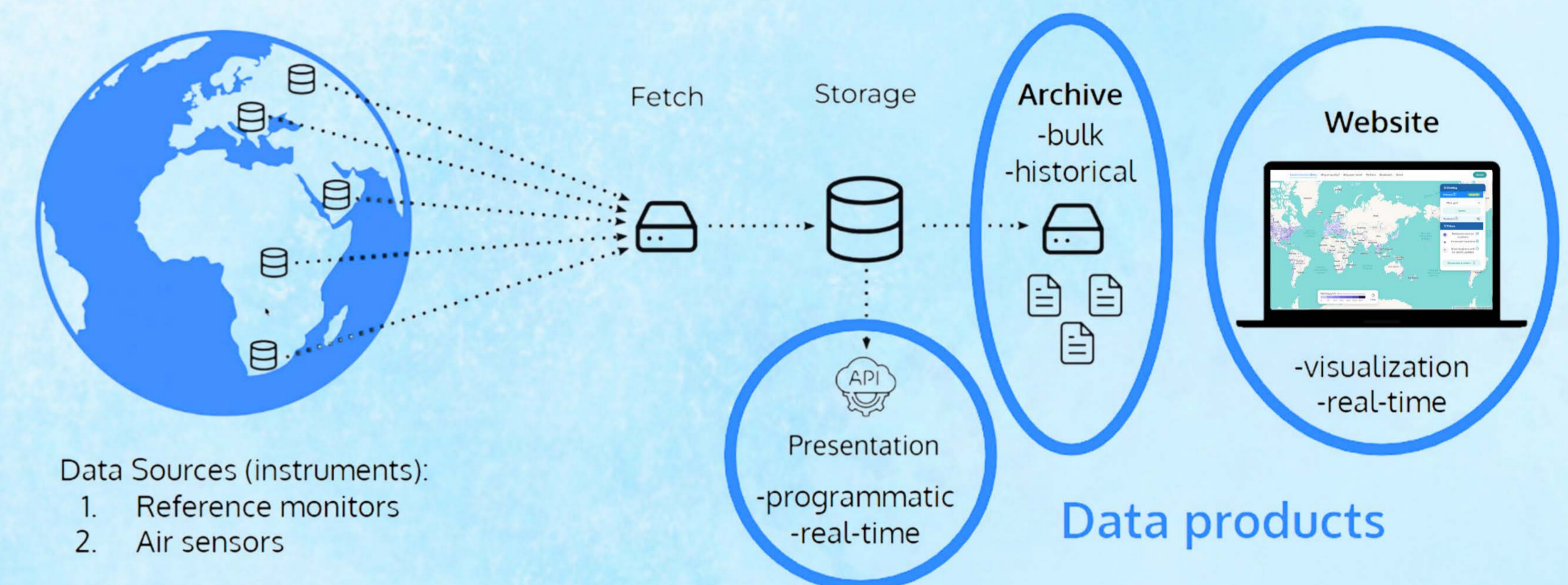


With the help of the Latin America Early Career Earth System Scientists Network (LAECESS), the report has been translated to Spanish and Portuguese for wider readability.

Download the English, Spanish and Portuguese versions at: openaq.org/about/initiatives/publications/



HOW WE DO IT



NUMBERS

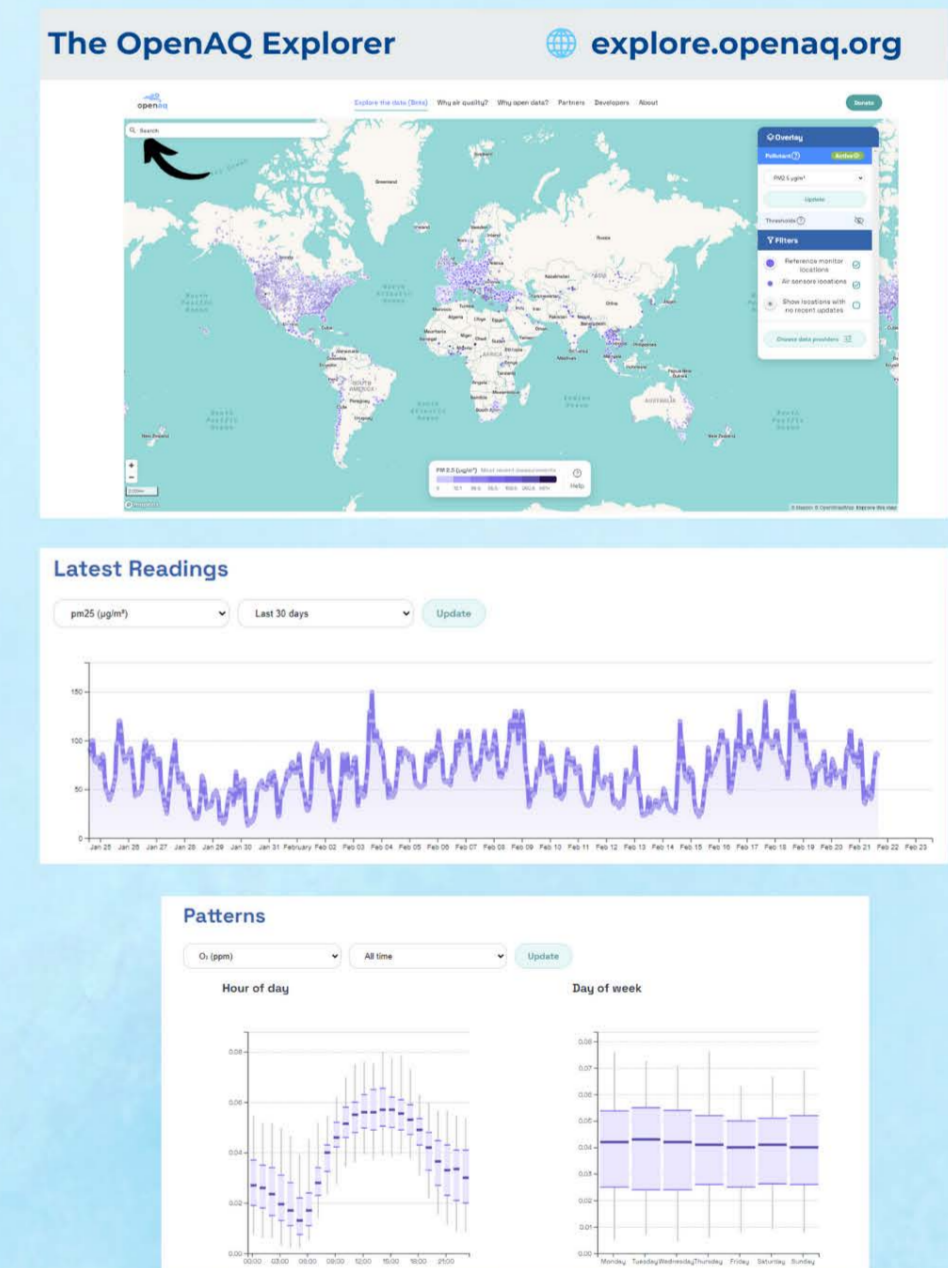
44 billion data points
56,000 locations
153 countries

POLLUTANTS REPORTED

PM_{2.5} Sulfur Dioxide (SO₂) Carbon Monoxide (CO)
PM₁₀ Nitrogen Dioxide (NO₂) Black Carbon (BC)
Ozone (O₃)

EXPLORER TOOL

Explore the massive collection of data available on the OpenAQ platform. The OpenAQ Explorer provides easy-to-use data visualization and data downloads.



We built OpenAQ Explorer to equip users of all abilities with tools to use the data platform to understand air quality in their community. It opens the door to individuals and organizations around the world who 1) want to browse the data before delving deeper; 2) want to divert the time and effort to advocacy; and/or 3) don't have the technical skills to use an API.

COMMAND LINE INTERFACE (CLI)

```
openaq measurements List 2178 --from 2023-09-06 --limit 5 --mini
PARAMETER DATETIME_LOCAL DATETIME_UTC PERIOD VALUE
pm25 ug/m³ 2023-09-05T18:00:00-06:00 2023-09-06T01:00:00Z 01:00:00 1.9
o3 ppm 2023-09-05T18:00:00-06:00 2023-09-06T01:00:00Z 01:00:00 0.047
no2 ppm 2023-09-05T18:00:00-06:00 2023-09-06T01:00:00Z 01:00:00 0.0006
so2 ppm 2023-09-05T18:00:00-06:00 2023-09-06T01:00:00Z 01:00:00 0
pm10 ug/m³ 2023-09-05T18:00:00-06:00 2023-09-06T01:00:00Z 01:00:00 11
```

Access the OpenAQ API directly from your terminal. The OpenAQ CLI makes common data fetching tasks easy so you can focus on analysis.

Scan the QR code to watch our [Explorer Walkthrough](#)
Check out real-time air quality data at explore.openaq.org
Learn more at openaq.org
Join our dev discussions at bit.ly/JoinOpenAQSlack
Connect with us at info@openaq.org

