

Air monitoring

This page lists various projects gathering data about the Earth's air quality.

Beware that, when dealing with incomplete data, the gaps you're not measuring may be the biggest issues. In areas where there are monitors there are likely also regulations and activist groups around air quality.

Germany

Stadt Berlin

- **What is it?** 16 ground stations in Berlin that have been measuring the air quality dating back to 2000.
- **Who does it?** Stadt Berlin: Senatsverwaltung für Umwelt, Verkehr und Klimaschutz
- **Data freely available?** Yes. <https://www.berlin.de/senuvk/umwelt/luftqualitaet/>
- **Read more**
 - Data is used in this map: <http://aqicn.org>
 - Data is used in the map of the European Environment Agency

Luftdaten.info

- **What is it?** Hobbyists building and operating sensors themselves. The focus is Germany.
- **Who is it?** Hobbyists with the support of Code for Germany and OK Lab Stuttgart
- **Data freely available?** Yes, that's the mission statement. <https://luftdaten.info/>
- **Read more**
 - <https://maps.luftdaten.info/>

Europe

European Environment Agency

- **What is it?** Aggregation of ground station sources to measure air quality in all of Europe and EU territory.
- **Who does it?** European Environment Agency
- **Data freely available?** Yes. <https://www.eea.europa.eu/themes/air/air-quality-index>
- **Read more**
 - Data is used in the map of OpenAQ

Airly

- **What is it?** A company selling air sensors to cities and individuals. The focus is Poland.
- **Who does it?** Airly (Polish company)

- **Data freely available?** The data may be used for personal and commercial projects with a link to their source.
- **Read more**
 - <https://airly.eu/>

Worldwide

OpenAQ

- **What is it?** Aggregation of real-time air quality data from government-measured stations around the globe.
- **Who does it?** Activists' project
- **Data freely available?** Yes. <https://openaq.org>
- **Read more**
 - <https://github.com/openaq/openaq-info/blob/master/FAQ.md>

Sentinel-5P

- **What is it?** A space mission with one satellite scanning the atmosphere. The satellite flies around the Earth ~15 times a day.
- **Who does it?** “ESA, the European Commission, the Netherlands Space Office, industry, data users and scientists”
- **Data freely available?** Yes, but the download may require you to register a free account. <https://scihub.copernicus.eu/>
- **Read more**
 - <https://sentinel.esa.int/web/sentinel/missions/sentinel-5p>

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