

AIR MONITORING ACTION PLAN

Answering these questions will help you make a plan to monitor particle pollution in your environment.

What?

Describe your concern about particle pollution.

Where?

Describe the location(s) of concern.

When?

When and how often does your concern arise?

Why?

Describe why you want to learn about particle pollution around you.

Where will you monitor?

Are there other logistics that need to be considered?

(e.g., do you need permission to monitor?)

So what?

Describe what you will do with the monitoring data you collect. How will you share it? With whom? What do you hope the impact will be? Have potential negative consequences of collecting the data been explored?

When and how long will you monitor?

When, how often, and over what time period (hours/days/weeks/year) do you need to monitor?

What else do you need to document (e.g., traffic?) & how will you document (e.g., photos)?

1 What is your concern?

2 Using the air sensor

3 Using the results

There are a variety of sensors to measure particle pollution. What sensor features do you need?

How do you plan to use your sensor data?

What data quality is needed for your proposed use (See Figure 1)?

Different sensors have different requirements for use:

Will sensor need to be portable or can it be placed in one location?
If placed in one location, does location have a power outlet?

Will sensor be used indoors, outdoors or both?
You'll want to find a sensor appropriate for the location(s) you want to monitor.

Do you want to be able to view data in real-time (via a screen display) while you monitor or is being able to view data later (via downloading) an option?

Additional resources

Air sensor tool box

<https://www.epa.gov/air-sensor-toolbox>

Air Quality Sensor Performance Evaluation Center

<http://www.aqmd.gov/aq-spec>

Selecting an air sensor

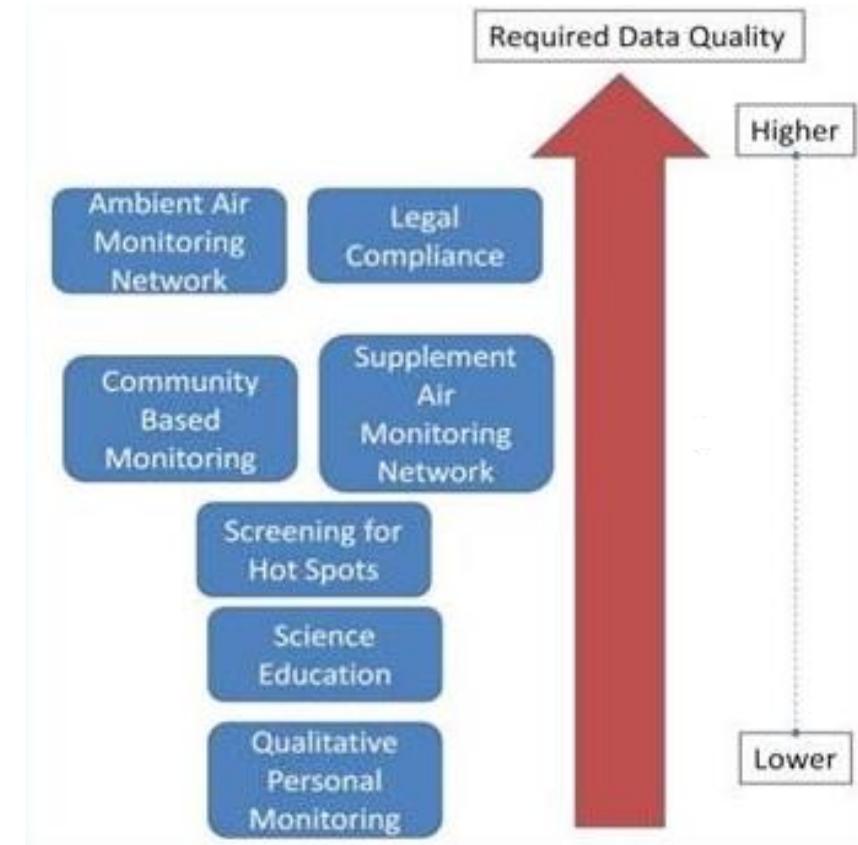


Figure 1. Range of data quality required by air sensors. Source: US EPA

Notes