Plant a Sensor
Frequently Asked Questions

Monitors
See page 11 of Participant Manual for more information

Do I have to use a recognized monitor?
No. Participants are permitted to use any monitor they wish provided that, the monitor can be connected to a data provider that has been approved to transfer data to the Plant a Sensor campaign portal.

It is important for participants to understand that monitors recognized by the campaign are those that have been vetted according to accreditation standards that outline criteria that distinguishes Grade A, Grade B from Grade C monitors. Monitors that are unrecognized will be labeled as "unrecognized". It is recommended that participants utilize monitors that have undergone a testing protocol and have received a third-party accreditation, such as RESET Air, UL2905 or market equivalent.

For a list of recognized data providers visit: https://reset.build/dp.

I have a monitor, but I don't know if it is recognized by the campaign. How do I find out?
For a current list of connected indoor and outdoor monitors (Commercial Grade B) visit: https://reset.build/monitors. You will be able to see each monitor's connectivity capabilities in the product description. Please note that not all monitors listed on the site will have the ability to connect to a recognized data provider. Monitors that are recognized by the campaign have been vetted according to accreditation standards that outline criteria that distinguishes Grade A, Grade B from Grade C monitors.

While a variety of monitors that have capability to connect to the campaign are permitted to be used, it is recommended that participants utilize monitors that have undergone a testing protocol and have received a third-party accreditation, such as RESET Air, UL2905 or market equivalent

I have a monitor (monitors) already. How do I know if it (they) can connect to a recognized data provider?
For a current list of connected indoor and outdoor monitors (Commercial Grade B) visit: https://reset.build/monitors. You will be able to see each monitor's connectivity capabilities in the product description. Please note that not all monitors listed on the site will have the ability to connect to a recognized data provider.

I have recognized monitor(s) but I am not able to get it (them) connected to a data provider. Can I still participate?
Please contact the monitor manufacturer or the data provider to see if they can help you get connected. If the monitor cannot be connected to any recognized data provider, then it will not be possible for you to participate in the campaign at this time. However, the campaign is committed to working with both monitor manufacturers and data providers across the world to increase opportunity for participation in the campaign. We encourage prospective participants to reach out RESET at: info@reset.build to see how we can assist.

I have monitors that are not recognized. Can I still participate?
Yes. If the monitor can connect to a recognized data provider, you will be able to participate. Note that monitors that are unrecognized will be labeled as "unrecognized".

For a current list of connected indoor and outdoor monitors (Commercial Grade B) visit: https://reset.build/monitors. You will be able to see each monitor's connectivity capabilities in the product description. Please note that not all monitors listed on the site will have the ability to connect to a

recognized data provider. Monitors that are recognized by the campaign have been vetted according to accreditation standards that outline criteria that distinguishes Grade A, Grade B from Grade C monitors.

While a variety of monitors that have capability to connect to the campaign are permitted to be used, it is recommended that participants utilize monitors that have undergone a testing protocol and have received a third-party accreditation, such as RESET Air, UL2905 or market equivalent

The monitor I have comes with its own data software but it is not on the recognized list. How do I get them connected to the campaign?
The Campaign is committed to working with data providers from across the world to allow for mass participation in Plant a Sensor, and we ask that participants in this situation to please instruct your monitor manufacturer to contact RESET at: info@reset.build to find out how they can become an accredited data provider.

I am a monitor manufacturer. How do I get involved with the campaign?
As a monitor manufacturer, you have two routes of involvement in the campaign; you can ensure that either a recognized data provider can connect to your device and hence to the Plant a Sensor Campaign, or you can become a data provider yourself. As long as your product meets the necessary requirements for engagement, you can offer your device to the campaign.

Note that recognized monitors have been vetted according to accreditation standards that outline criteria that distinguishes Grade A, Grade B from Grade C monitors. We recommend that you contact RESET at: info@reset.build for more information.

How much does a monitor cost?
Monitor prices vary from manufacturer and will depend on both the monitor model and type. You can find contact information for indoor and outdoor monitors (Commercial Grade B) by visiting: https://reset.build/monitors links for recognized monitors by visiting: https://reset.build/monitors

Please note that not all monitors listed on the site will have the ability to connect to a recognized data provider. You will be able to see each monitor's connectivity capabilities in the product description.

Do I have to have more than one monitor to participate?
No. Participants can engage in the campaign using only one monitor, providing it meets the requirements outlined in page 11 of the manual. However, deploying more than one monitor and developing a holistic monitoring approach is recommended ~~optional~~ for participation in the Plant a Sensor campaign as this strategy will provide the most complete picture of a project's air quality.

I have monitor(s) and I'm ready to install. Do I have to install them in any particular space, room or part of my building?
Yes. Campaign participants should study how their project will approach air quality monitoring and come up with a deployment feasibility plan prior to monitor purchase or installation. Monitors must be installed as per deployment guidance as outlined in the Participant Manual and follow manufacturer requirements.

I already have monitors installed in my space, room, building. Do I qualify to participate in the campaign?
Prospective Campaign participants must adhere to the Best Practice Deployment guidance as outlined in the Participant Manual pages 12-13 and follow manufacturer requirements. If your installation meets the guidance, then yes, you would be eligible. Please note, as detailed below, your monitor must be able to connect to a recognized data provider to facilitate participation in the campaign.

Data Providers

See page 14 of Participant Manual for more information

What is a data provider?
Data providers are a third-party service that aggregates the data from participant monitors and prepares it for transfer to the Plant a Sensor campaign portal. In order to be a recognized data provider for the Plant a Sensor Campaign, data providers must be able to connect to the internet. Note, that not all data providers are capable of connecting to the internet. Data providers must be able to recognize individual monitors for data collection; typically, this is done through a unique ID such as a serial number that is associated with the monitor.

Do all monitors on the market use data providers?
No. There any many monitors on the market that do not connect to the internet. Data providers are a secondary service, providing a platform to host and display the data. If you are unsure whether or not your monitor can connect to a data provider, please check with your monitor manufacturer.

Why does the Plant a Sensor campaign require the use of data providers?
Global data collection can only be undertaken using monitors with internet connection capability. The use of data providers allows for streamlining of this process as well as quality control for the campaign. As an added benefit, but not requisite for the campaign, some data providers are designed to allow for data to be reviewed in greater detail.

Do I have to use a recognized data provider?
Yes, however, the campaign is committed to working with data providers across the world to increase opportunity for participation in the campaign. Recognized, or accredited data providers are already equipped with the necessary API and connectivity requirements to allow for proper data transfer.

All other data providers can contact RESET at: info@reset.build to become recognized. Prospective data providers will be reviewed on a case-by-case basis and will be required to build a data connection to the Plant a Sensor campaign portal. Please note that there is a fee for this service.

I am a Data Provider. How do I get involved with the campaign?
To become an accredited data provider, please contact RESET at: info@reset.build

How much does a data provider cost?
Data Provider fees will vary in price depending on project scenario. In some instances, monitor manufacturers are equipped with recognized software inclusive with purchase of the monitoring device. You can find contact information and links for recognized data providers by visiting: https://reset.build/dp. Please refer to Page 20 of the Manual for more information on costs for participating in the campaign.

Data Management and Privacy

See page 20 of Participant Manual for more information

Where will the participant data be held?
RESET Earth is used as the official platform for Plant a Sensor. RESET Earth is a publicly-accessible, interactive, global, air quality database that was developed by RESET Air to help advance data quality for certified projects. The maps serve to build awareness to global indoor and outdoor air quality levels by transforming our built environment into global references of human and environmental health.

Participants who choose to publicly disclose their data on the Plant a Sensor platform will be able to communicate their participation via RESET Earth, namely their air quality data will be communicated live and visible on the platform.

What will the data be used for?
Participant data will be aggregated and made available for a variety of purposes, including academic and research communities via RESET Earth. Collected data may also be used by the WorldGBC global network to create future data-based deliverables, such as white papers and research reports, and will help establish public, global baselines for indoor and outdoor air quality. However, while all data contributes to the campaign, projects themselves will remain private and/or anonymous at the discretion of campaign participants.

What will my project look like on the RESET Earth map?
When publishing to RESET Earth's public map, participants can choose to display their name or remain anonymous. Participants can also choose to share their data to RESET Earth for Plant a Sensor analytics without publishing on the public map.

Can I keep my outdoor data private?
All outdoor data collected from the campaign will contribute to the overall goals of Plant a Sensor and will appear on the RESET Earth map. The data will help establish public, global baselines for indoor and outdoor air quality. However, while all data contributes to the campaign, projects themselves will remain private and/or anonymous at the discretion of campaign participants.

For projects that choose to remain anonymous, only basic information such as project type and city will appear on the RESET Earth map, with no specific identifiers.

Can I keep my indoor data private?
Yes. Data collected from participants reporting indoor (and in-duct) monitoring remains private until participants release the data to the Plant a Sensor campaign. Once permission is granted, participants can elect to post their data publicly or anonymously.

Can I keep my project name private?
Yes. Data collected from participants reporting indoor (and in-duct) monitoring remains private until participants release the data to the Plant a Sensor campaign. Once permission is granted, participants can elect to post their data publicly or anonymously.

In both outdoor and indoor typologies, projects that choose to remain anonymous, only basic information such as project type and city will appear on the RESET Earth map, with no specific identifiers.

Plant a Sensor Campaign
See worldgbc.org/plant-a-sensor for more information

What is Plant a Sensor?
Plant a Sensor is a global air quality monitoring campaign led by the World Green Building Council (WorldGBC) and RESET, in collaboration with partners at the Earth Day Network, Woodrow Wilson Institute and others. In order to reduce the detrimental impacts of air pollution on human health and the environment, both in and outside of buildings, we need to be equipped with accurate, high-quality data sets through monitoring current air quality. We can't improve what we can't measure.

The fundamental purpose of this campaign is to acquire a global set of accurate data that will empower our network to enhance existing and vital awareness raising, technical work and/or advocacy campaigns. Data will also be contributed to the Earth Challenge 2020 citizen science campaign, run in celebration of the 50th anniversary of Earth Day in April 2020.