

NW-AIRQUEST Working Group on Air Sensors

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Mission: To provide a forum within NW-AIRQUEST for discussion of the adoption and use of low-cost air sensors for monitoring air quality in the Pacific Northwest.

Objectives:

Governance

- Hold periodic meetings associated with NW-AIRQUEST for members that are interested in low-cost air sensors and sensor arrays.
- Provide periodic reports to NW-AIRQUEST on the activities of the Working Group at quarterly meetings.
- Facilitate discussion of field experiments and activities that might make use of low-cost air sensors and sensor arrays.

Sensors

- Maintain a list of low-cost sensors for measuring gases and particulate matter that have been used or are currently being used by NW-AIRQUEST members.
- Maintain a map that displays the locations of deployed low-cost sensors and sensor arrays in the Pacific Northwest.
- Provide suggested guidelines for proper calibration and validation of low-cost sensors for those interested in sensor deployments.
- Maintain a repository (e.g., GitHub) to archive setup guides and computer code that can be used for sensors. This will aid users who are adopting sensors for field work.
- Maintain an archive of “lessons learned” from using different air sensors.

Data

- Maintain an archive of data (or links to data) of sensor measurements that may be of use to NW-AIRQUEST.