Review of: "IoT Noise And Air Quality Observation System"

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Potential competing interests: No potential competing interests to declare.

Systems like the proposed one can be useful in different applications. Some suggestions to improve the work are the following:

- At the architecture level, the whole system can be implemented using a single controller, either using the ESP8266 or, even better, the ESP32, and some adjustments in the electrical scheme will allow the creation of a more compact and lower cost prototype.
- The schematic in Figure 3.3 suggests two tasks running in parallel. It would be better to change to a fully sequential diagram, or better yet, use a Finite State Machine (FSM).
- The power supply system is not specified; it would be important to have battery power.
- It is necessary to be more rigorous in the calibration of the sensors, especially the gas sensor, because the one used in the project is not linear.
- It is possible to make an adjustment of the measurements using reference equipment in case a calibration process cannot be performed.
- Improve and increase the bibliographic references.