Progetto PM10

luftaden

- home luftaden
- mappa
- rumore e biossido di azoto
- kit PM10 con istruzioni
- Particulate Matter App
    - playstore
    - sorgenti github

opensensemap

- home opensensmap
    - API

sensori

- PM2.5 e PM10: Nova SDS011
- ozono:
    - MQ131: aliexpress 15€
    - CJMCU-131 MQ131: aliexpress 35€ schema

MQ131

datasheet - esempio utilizzo - wiring

- The MQ131 is a semiconductor gas sensor composed by a heater circuit and a sensor circuit.
- Heater consumes at least **150 mA**. So, don't connect it directly on a pin of the Arduino.
- Sensor MQ131 requires minimum **48h preheat** time before giving consistent results (also called “burn-in” time)
- There are two different MQ131; a black bakelite sensor for **low concentration** of ozone and a metal sensor for **high concentration** of ozone.
- This driver is made to control the “naked” Winsen MQ131. The driver is able to pilot the low concentration version and the high concentration version.
- **To measure the air quality (e.g. pollution)**, it's better to use the low concentration MQ131 because the high concentration is not accurate enough for low concentration.

sensori attivi

montorioveronese

- montorio via dei tigli
- montorio piazza buccari

- ferrazze
- ponte florio
- san bonifacio