

Big Data Challenge (/datamine/big-data-challenge/) / Air Quality - MI

Description (/datagem/air-quality-mi/description/)

Preview

API

Resources (/datagem/air-quality-mi/resource/)

Schema

• Legend dataset:

- **Sensor ID:** the id of the sensor. TYPE: numeric
- **Sensor street name:** the street name where the sensor identified by the *Sensor ID* is located. TYPE: alphanumeric
- **Sensor lat:** the geographical latitude specifying the position of the sensor identified by the *Sensor ID*. TYPE: numeric
- **Sensor long:** the geographical longitude specifying the position of the sensor identified by the *Sensor ID*. TYPE: numeric
- **Sensor type:** the type of the sensor identified by the *Sensor ID*. TYPE: alphanumeric
- **UOM:** the unit of measurement of the value recorded by the sensor identified by the *Sensor ID*. TYPE: alphanumeric
- **Time instant format:** the format representing the temporal aggregation type, in other words the granularity of the data. It varies from sensor to sensor and it can be
 - aggregation per day (YYYY/MM/DD). TYPE: alphanumeric.
 - aggregation per hour (YYYY/MM/DD HH24:MI). TYPE: alphanumeric.

• Pollution dataset: this dataset contains a file for each sensor. The name of the files has the following format *MI_pollution_<sensorID>.csv*.

- **Sensor ID:** the id of the sensor. TYPE: alphanumeric
- **Time instant:** the time instant of the measurement expressed as a date or date/time with the following formats
 - YYYY/MM/DD. TYPE: date.
 - YYYY/MM/DD HH24:MI. TYPE: date.
- **Measurement:** the value of the pollution intensity measured at the *Time Instant* by the *Sensor ID*. The unit of measurement (UOM) of the value recorded by the given sensor is specified in the Legend dataset. TYPE: numeric

These links have been generated privately for yourself, and will expire in **4 minutes**, and **54 seconds**

Why we do this? In order to provide you this data, we must ensure the copyright owner that this links won't be shared on the internet.

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```
wget -c URL
```

```
curl -C - -O DEST_FILE URL
```

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See more details in the Description tab (<https://dandelion.eu/datagem/air-quality-mi/description/>)

Filename	Size	Created	Modified	Get it
pollution-legend-mi.csv (http://dl.dandelion.eu/CdFeZ4UCXB9cr1Q_if3HWQ/1392200146/favenza%40ismb.it/air-quality-mi/pollution-legend-mi.csv)	3.0 KB	Fri 17 Jan 2014 10:22 (2014-01-17 09:22:58+00:00)	Fri 17 Jan 2014 10:22 (2014-01-17 09:22:58+00:00)	ⓓ Download (http://dl.dandelion.eu/CdFeZ4UCXB9cr1Q_if3HWQ/1392200146/favenza%40ismb.it/air-quality-mi/pollution-legend-mi.csv)
pollution-mi.zip (http://dl.dandelion.eu/SbWraEhFtoP3cz20GWxNVQ/1392200146/favenza%40ismb.it/air-quality-mi/pollution-mi.zip)	153.3 KB	Fri 17 Jan 2014 10:22 (2014-01-17 09:22:58+00:00)	Fri 17 Jan 2014 10:22 (2014-01-17 09:22:58+00:00)	ⓓ Download (http://dl.dandelion.eu/SbWraEhFtoP3cz20GWxNVQ/1392200146/favenza%40ismb.it/air-quality-mi/pollution-mi.zip)