

# openSenseMap



## Introduction



We appreciate that you want to become a part of the openSenseMap project and that you want to register your own senseBox or weather station. Before you register we want to tell you which data we collect from you.

When you register you have to include your name, a valid e-mail address and the location of your senseBox.

The e-mail address is required to send you your Arduino sketch and to inform you about improvements and updates. Your e-mail address will not be passed on to third parties and can't be seen by other users.

The location is used to show where your senseBox is on the map. This information is important because it allows to reference your collected data to other data sources. The location of your senseBox can be seen by all users or can be accessed through the [University of Münster](#). Backups are stored in S3 on [Amazon Web Services \(AWS\)](#) in the Frankfurt region. More information on the AWS regions can be found [here](#).

☒ I agree

Next



## My senseBox



### General

Please submit additional information about your senseBox. This information can be changed after registration as well.

#### Name of your station\*

creabot\_water\_sensor1\_00001



#### Exposure\*

- ☐ indoor
- ☒ outdoor
- ☐ mobile



#### Group identifier

creabot\_water\_sensor1\_

## Location

Click on the map to choose a location for your senseBox.

Institut Universitaire de Technologie de Haguenau, Rue du Maire André Traband, Haguenau, Haguenau-Wissembourg, Bas-Rhin, Grand Est



Latitude

48,8161



Longitude

7,7863




Height (GPS)

145



- Ajouter un nouveau modèle de station de mesure

## Hardware

 Select your senseBox model.

senseBox:home



senseBox:edu



Sensor.Community (luftdaten.info)



hackAIR



Manual configuration





Here you can set up your own senseBox. Add sensors to your setup and specify their phenomenon (what is being measured?), unit and type (component name).

A temperature sensor might look like this:


- Phenomenon: Temperature
- Unit: °C
- Type: LM35

If you want to setup a **Sensor.Community** device manually, check out this [documentation](#).

Icon	Phenomenon	Unit	Type	
°C ▼	Temperature	°C	DHT	

 Add sensor

- Ou contribuer en créant une nouvelle station sur Sensor.Community en suivant cette doc'  
<https://tutorials.opensensemap.org/devices/devices-luftdaten/#3-anpassung-bestehender-ger%C3%A4te>

 If your sensor setup is not listed here. Go to manuel configuration and setup your device.

- ☐ Luftdaten.info dust particle sensor (SDS011) without temperature-/humidity Sensor
- ☐ Luftdaten.info dust particle sensor (SDS011) with DHT11
- ☐ Luftdaten.info dust particle sensor (SDS011) with DHT22
- ☐ Luftdaten.info dust particle sensor (SDS011) with BMP180
- ☐ Luftdaten.info dust particle sensor (SDS011) with BME280
- ☐ Luftdaten.info dust particle sensor (PMS7003) with BME280
- ☐ Luftdaten.info dust particle sensor (PMS7003) without temperature-/humidity Sensor
- ☐ Luftdaten.info dust particle sensor (PMS5003) with BME280
- ☐ Luftdaten.info dust particle sensor (PMS5003) without temperature-/humidity Sensor
- ☐ Luftdaten.info dust particle sensor (PMS3003) with BME280
- ☐ Luftdaten.info dust particle sensor (PMS3003) without temperature-/humidity Sensor
- ☐ Luftdaten.info dust particle sensor (PMS1003) with BME280
- ☐ Luftdaten.info dust particle sensor (PMS1003) without temperature-/humidity Sensor
- ☐ Luftdaten.info dust particle (SPS30) with BME280
- ☐ Luftdaten.info dust particle (SPS30) with SHT3X

- Configurer le broker MQTT pour que le client openSenseMap puisse s'y connecter

## Advanced

### MQTT



openSenseMap offers a [MQTT](#) client for connecting to public brokers. Documentation for the parameters is provided [in the docs](#). Please note that it's only possible to receive measurements through MQTT.

☐ Enable MQTT

**Uri\***

**Topic\***

**Message format\***

- ☐ json
- ☐ csv

**Decoding options**

**Connection options**

On ne peut pas récupérer de données via MQTT, seulement en envoyer. Il faut passer par l'API HTTP REST pour exploiter les données.

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