

openSenseMap

Dokumentation



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senseBox



openSenseMap

The openSenseMap (OSeM) is a webplatform which provides upload, visualisation and analysis of location-specific sensordata.

Stations may be registered on the platform, which host one or more Sensors on a specific location. Data up- & download is done via the restful [API](#).

Features

- timeseries visualization for each phenomenon
- filtering by various parameters
- spatial interpolation
- data download with bounding box

All sensor data is available for download under the [Public Domain Dedication and License 1.0](#).

openSenseMap and it's API is open source software. Sourcecode and issuetracker are located here:

- [openSenseMap](#)
- [openSenseMap API](#)

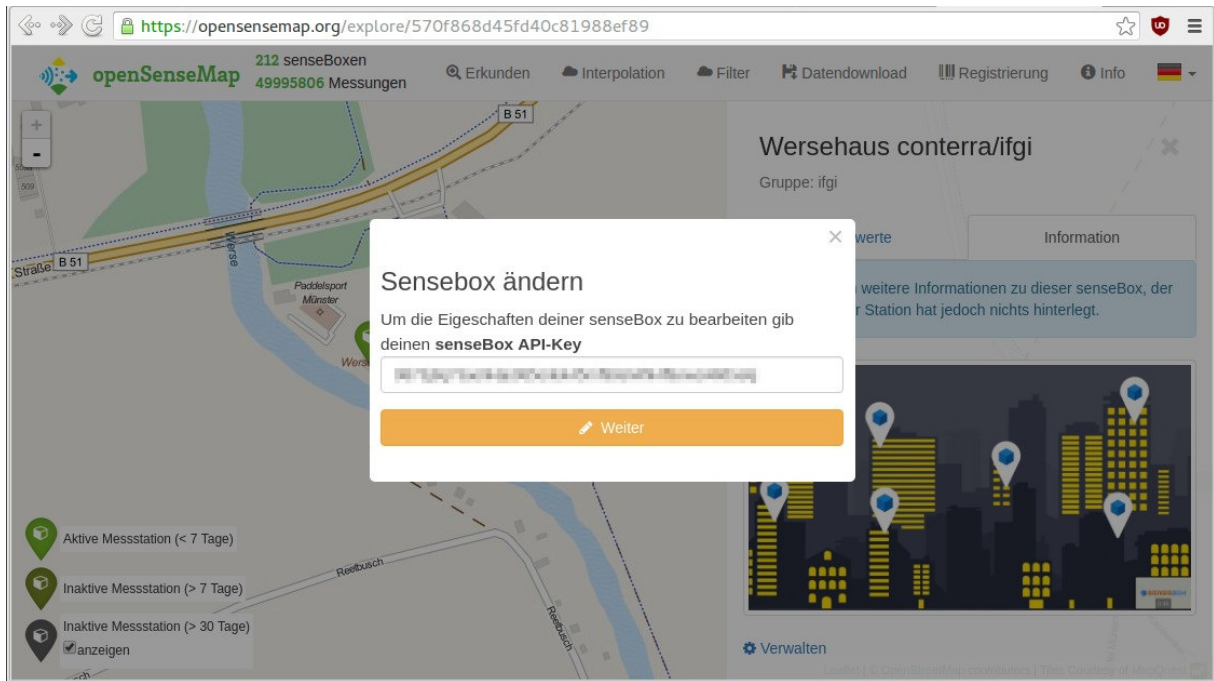
Registration on the OSeM

Modifying a station

All properties of a station may be changed after the registration.

To do this, authorization with the API-key is required, which was sent to you in the registration e-mail!

1. Select your station on the map by clicking on the marker on the map.
2. Select the tab "Info" in the sidebar and click "Manage".
3. Enter your API-key in the dialog.



4. Make your desired changes in the appearing form. You may edit metadata, geolocation, photo, as well as the stations sensor configuration.

Hint: If you have added a new sensor and want to download the updated arduino-sketch, a page-reload after saving is required.

5. Click "save" or "cancel" in the top of the dialog to apply or discard your changes.

Deleting a station

Follow the steps under "[Modifying a station](#)", then type `DELETE` in the textfield "Delete senseBox" and confirm.

warning: All associated sensor data will be permanently deleted!

Data download

Data analysis

Filter

Interpolation

openSenseMap RESTful API

The openSenseMap provides a REST API, which can be used to query & post senseBox metadata and measurements. The endpoint is <https://api.opensensemap.org/>.

The API documentation can be found [here](#).