

## We start with **ws\_luftdaten1.php**

This version of the script loafs the needed data from the luftdaten database and needs only a few settings  
But the script shows the last available measurement only.

### 1. ATTENTION:

First adapt the settings in ws\_luftdaten1.php with your own sensorID

```
$apiLuftID = 'xxxx'; # the ID we got from Rajko Zschiegner
```

### 2. Test

2.1 upload the luftdaten folder to the main folder of your website.

Often the root for saratoga, and weather28/ for Leuven

2.2 Use the test-program first

www.uwwebsite.xx/hoofdmap/luftdaten/\_test1.php

This script is stand-alone and can be used in an iFrame. It is not dependent on a template.

All error messages are switched on (by the test-program).

The script reads your data from the luftdaten database.

If your sensort is not uploading yet, wait a few hours and test again.

Normally all your data including colors will be shown, and a copy of your data is stored in the /luftdaten/cache/ folder in a file with your sensor number.

Classification	Index	pm10	pm2.5	Health Effects
Good	1	< 10 µg/m <sup>3</sup>	< 5 µg/m <sup>3</sup>	Enjoy your usual outdoor activities
	2	< 20 µg/m <sup>3</sup>	< 10 µg/m <sup>3</sup>	Enjoy your usual outdoor activities
Fair	3	< 30 µg/m <sup>3</sup>	< 15 µg/m <sup>3</sup>	Adults and children with lung or heart problems, <b>who experience symptoms</b> , should consider reducing strenuous physical activity, particularly outdoors
	4	< 40 µg/m <sup>3</sup>	< 25 µg/m <sup>3</sup>	Anyone experiencing discomfort such as sore eyes, cough or sore throat should consider reducing physical activity, particularly outdoors.
Poor	5	< 50 µg/m <sup>3</sup>	< 35 µg/m <sup>3</sup>	Adults and children with lung problems, and adults with heart problems, should reduce strenuous physical activity, particularly outdoors, and particularly if they experience symptoms.
	6	< 60 µg/m <sup>3</sup>	< 40 µg/m <sup>3</sup>	People with asthma may find they need to use their reliever inhaler more often. Older people should also reduce physical exertion.
Very poor	7	< 70 µg/m <sup>3</sup>	< 50 µg/m <sup>3</sup>	<b>Reduce</b> physical exertion, particularly outdoors, especially if you experience symptoms such as cough or sore throat.
	8	< 80 µg/m <sup>3</sup>	< 60 µg/m <sup>3</sup>	Adults and children with lung problems, adults with heart problems, and older people, should <b>avoid</b> strenuous physical activity. People with asthma may find they need to use their reliever inhaler more often.
	9	< 100 µg/m <sup>3</sup>	< 70 µg/m <sup>3</sup>	
	10	> 100 µg/m <sup>3</sup>	> 70 µg/m <sup>3</sup>	

Visit these websites [Regional Air Quality site](#) & [Luftdaten.info](#) where you can find a wealth of information

### 3. More installation

Now you can adapt the settings for your own preferences, such as dat format a.s.o.

When you are finished with testing, you should run th script using its own name **ws-luftdaten1.php**

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The `ws_luftdaten2.php` script is more complex but has far more possibilities.

**This stations Air quality measurements (more)**

Classification	Period	Concentration	Index	Particulate
Good	latest	3,30 ug/m3	1	pm10
Good	latest	2,17 ug/m3	1	pm2.5
Good	24h	4,03 ug/m3	1	pm10
Good	24h	2,40 ug/m3	1	pm2.5
Good	7d	11,07 ug/m3	2	pm10
Good	7d	6,32 ug/m3	1	pm2.5

nl: gegevens van de sensor  
en: uploaded sensor data

nl: berekend  
en: calculated

Latest measurement from: 16-07-2018 16:37 (32.3°/31%) Sensor: Luftdaten #8993

Classification	Index	pm10	pm2.5	Notes
Good	1	< 10 µg/m <sup>3</sup>	< 10 µg/m <sup>3</sup>	nl: laatste oplaad en: time of last upload temp/hum/pressure
	2	< 20 µg/m <sup>3</sup>	< 15 µg/m <sup>3</sup>	
	3	< 30 µg/m <sup>3</sup>	< 20 µg/m <sup>3</sup>	
Fair	4	< 45 µg/m <sup>3</sup>	< 30 µg/m <sup>3</sup>	Enjoy your usual outdoor activities. Are you sensitive to air pollution? Consider reducing physical effort.
	5	< 60 µg/m <sup>3</sup>	< 40 µg/m <sup>3</sup>	
	6	< 75 µg/m <sup>3</sup>	< 50 µg/m <sup>3</sup>	
Inadequate	7	< 100 µg/m <sup>3</sup>	< 70 µg/m <sup>3</sup>	Consider reducing physical effort. Are you sensitive to air pollution? Reduce physical effort. If necessary, consult with your doctor about appropriate medications.
	8	< 125 µg/m <sup>3</sup>	< 90 µg/m <sup>3</sup>	
Poor	9	< 150 µg/m <sup>3</sup>	< 100 µg/m <sup>3</sup>	Slow down, reduce physical exertion. Are you sensitive to air pollution? Reduce physical effort. If necessary, consult with your doctor about appropriate medications.
	10	< 200 µg/m <sup>3</sup>	< 140 µg/m <sup>3</sup>	
Very poor	11	> 200 µg/m <sup>3</sup>	> 140 µg/m <sup>3</sup>	Slow down, reduce physical exertion. Are you sensitive to air pollution? Reduce physical effort. If necessary, consult with your doctor about appropriate medications.

Our measurement values above are real-time values  
The health effects should be based on 24 hours average values only.

Visit these websites [Regional Air Quality site](#) & [Luftdaten.info](#) where you can find a wealth of information

To use this script we have to instruct our sensor to upload our data to our own website/server

## 4. Upload our data

### 4.1 Move script to receiving location

You have to copy the `sensorluft2.php` script from the `luftdaten` folder to  
=> the final location on your server,  
==> often the root, or for the Leuven-Template `weather28/`

### 4.2. Adapt the sensor settings

Configuration | 192.168.1.55/config

Send data to own API

Server: sluispark.be  
Path: /weather29/sensorluft2.php?  
Port: 80  
User: User  
Password: Password

Send to InfluxDB

Server: api.luftdaten.info  
Path: /write?db=luftdaten  
Port: 8086  
User: luftdaten  
Password: ....

Save

Use the configuration menu

Check "Send data to own API"  
Add your settings for your webserver  
And the path + `sensorluft2.php`

Leave all other fields as they are

### 4.3 Change the `ws_luftdaten2.php` script

Adjust the setting towards the data folder where `sensorluft2.php` will store the data  
`$useOwnDir = './data/'; // relatief adres alles in de hoofdmap`

### 4.4. Test [www.uwwebsite.xx/hoofdmap/luftdaten/test2.php](http://www.uwwebsite.xx/hoofdmap/luftdaten/test2.php)

## 5. Leuven-template install

If all steps work OK

**5.1 Copy** (not move) the scripts to your own special script folder weatherxx/\_my\_scripts/:

my\_AqhiLuftDash.php

my\_AqhiLuftPage.php

ws\_luftdaten1.php or ws\_luftdaten2.php based on the script you will be using

ws\_luft\_langDE.php

ws\_luft\_langEN.php

ws\_luft\_langFR.php

ws\_luft\_langNL.php

### 5.2 Check file locations

Adapt in ws\_luftdaten1.php / ws\_luftdaten1.php the location,

If you use weather28/ the setting ./data/ is already correct

### 5.3 wsMenuData.xml

```
<item nr      = "mnu_aqhi_luft"
      caption = "put-your-own-tekst-here"
      link    = "_my_scripts/my_AqhiLuftPage.php" />
```

### 5.4 wsStartPage.php

In this example replace xxxx with a not used number

#### 5.4.1 At the top

```
$dashboard[] = 'my_component_xxxx'; // AQ luftdaten
```

**5.4.2 At the bottom**, before the last }, use the same number as above

```
if ($dashboard[$iDash] == 'my_component_xxxx') {
    $script = '_my_scripts/my_AqhiLuftDash.php';
    if (is_file($script) ) {include $script;}
    continue; }
}
```

## 6. Saratoga template

If all works OK:

**6.1 Copy wxAqLuft.php** to the main folder of the template.

5.2 Adapt you menu

## 7. Stand-alone

If \_test1.php or \_test2.php works correctly, you can integrate the ws\_luftdaten?.php script in your own website..