_readme FIRST 2019-11-20 Release version

We start with **ws_purplepair1.php**
This version of the script loads the needed data from the PurpleAir database and needs only a few settings.
The script shows only the PM2.5 measurements with different time-periods.

1. ATTENTION:
First adapt the settings in ws_purpleair1.php with your own sensorID

```
$apiPurpleID = 'xxxx'; # your sensor as known at purpleair
```

2. Test
2.1 upload the purpleair 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.yourwebsite.xx/purpleair/_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 PurpleAir website/database.
If your sensor 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 purplepair/cache/ folder in a file with your sensor number ws_purpleair1_x_7302 where the x stands for average of both sensors and the number is your sensor ID

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3. More installation
Now you can adapt the settings for your own preferences, such as date formats aso.
When you are finished with testing, you should run the script using its own name **ws_purpleair1.php**

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The **ws_purpleair2.php** script is more complex but has more possibilities.

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 the receiving location
You have to copy the **sensorpurple3.php** script from the purpleair folder to
=> the final location on your server,
==> often the root, or for the Leuven-Template: weather28/

4.2. Adapt the sensor settings
Find the latest mail you received from register@purpleair.com

This mail is sent every time you change the settings of the sensor.
Login at https://www.purpleair.com/ and type all settings in the "install" menu at
https://www.purpleair.com/register, using all values as you did last time , use the mail for that.

Nearly at the bottom you arrive at Data Processor #2
Select "Custom"
At the Key 3 field you enter the exact URL http://www.website.com/sensorpurple3.php
Key4 leave as is and Method leave "Post" as it is

Leave all other fields as they are and press "Register". You will receive a mail with the new settings.
```
Data Provider #2: Custom
Data Provider #2 URL: http://www.website.com/sensorpurple3.php
Data Provider #2 METHOD: POST
```

4.3 Change the ws_purpleair2.php script
Adjust the setting towards the data folder where sensorpurple2.php will store the data

```
$useOwnDir       = './data/';    // relative addres
```

4.4. Test www.uwwebsite.xx/purpleair/_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_AqhiPurple2Dash.php
my_AqhiPurple2Page.php
ws_ purpleair1.php or ws_ purpleair2.php
ws_purple_langDE.php
ws_purple_langEN.php
ws_purple_langFR.php
ws_purple_langNL.php

5.2 Check file locations
Adapt in ws_purpleair1.php / ws_purplepair2.php the location,
If you use weather28/ the setting ./data/ is already correct

5.3 wsMenuData.xml
```
<item nr      = "mnu_aqhi_purple"
      caption = "put-your-own-tekst-here"
      link    = "_my_scripts/my_AqhiPurplePage.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 purpleair

5.4.2 At the bottom, before the last }, use the same number as above
```
if ($dashboard[$iDash] == 'my_component_xxxx') {
    $script = '_my_scripts/my_AqhiPurpleDash.php';
    if (is_file($script) )  {include $script;}
    continue;  }
```


6. Saratoga template
If all works OK:

6.1 Copy wxAqPurple.php to the main folder of the template.

5.2 Adapt your menu

7. Stand-alone

If _test1.php or test2.php works correctly, you can integrate the ws_purplepair?.php script in your own website.