



Airviro User's Reference

# Working with APUB Module

The screenshot shows the Airviro web interface for monitoring PM10 in the Stockholm area. The page title is "M\_Balkanskaya PM10". It features a navigation menu with "Home", "Monitoring", "Air Quality Standards", "Emissions", and "Dispersion".

**Air Quality in the Stockholm area the last 24 hours:**

Map region:  PM10  NO2

M\_Balkanskaya

Revolution

Click on the rectangles above to see the latest three days of data for each pollutant.

Air Quality indicators are based on monitoring and the values are updated continuously every hour. The 24-hour average concentration for the current pollutant is shown in the graph. The monitoring values are preliminary and may be adjusted during the normal validation process. Air Quality standards for current pollutant is shown in the legend below the graph.

The interface includes a graph showing air quality levels (Bad, Poor, Moderate, Good) over time, a map of the Stockholm area with monitoring stations (Landsbygd, Innerstad, Tatort) marked, and a legend for the air quality scale in  $\mu\text{g}/\text{m}^3$ .

Air Quality Category	Standard ( $\mu\text{g}/\text{m}^3$ )
Bad	120
Poor	80
Moderate	40
Good	< 40

How to display environmental data on the web?

## Working with APUB Module

### How to display environmental data on the web?

#### Amendments

<b>Version</b>	<b>Date changed</b>	<b>Cause of change</b>	<b>Signature</b>
3.21	May 2011	New module	GS
3.21	November 2011	Release	GS
4.00	November 2017	Release	GS
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## 9.1. Introduction

The APUB Module allows to Airviro users to display environmental data on the web, showing real time or historical data for a selected time period.

The information used in this module is collected from other Airviro modules ( such as EDB, Dispersion, Indico Presentation, Administration and Validation).

Meteorological and air quality data, as well as emissions and dispersion calculations can be shown as reports or interactive graphs.

For this, APUB provides a configurable framework that may include a number of web objects used to display the data.

The framework may look like a top row and a left column of clickable menus in a web browser.

When a menu on the top panel is clicked, the left panel will show the sub options for the selected top menu.

For instance:

Top Menu Bar	Left Menu Bar
Home	Staff Link to website
Monitoring	Meteorology data Ambient data Map Values on Map
Emissions	EDB
Dispersion	Dispersion
Air Quality	Immission indicator forecast

These menus can be configured in the file: *apub.<sitename>.rf*

## 9.2. Basic Configuration

Many APUB modules could be installed in the same server, therefore each one of these APUB installations must have a unique name, these installations are referred to as “sites”, each one with its corresponding “sitename”.

The basic configuration file for a site is located in  
*/usr/airviro/rsrc/ apub.<sitename>.cfg*

Note that the file name must have the name of the site to which is intended to in it.

For the examples used in this document the site name is “petersburg”.

For instance, the content of */usr/airviro/rsrc/apub.petersburg.cfg* is:

```
AVDBNAME=newpeter
DBAS_PATH=${ AVPATH }data/${ AVDBNAME }/
DOCPATH=/var/www/html/
HTMLPATH=/petersburg/
CGIPATH=/cgi-bin/petersburg
FULLHTMLPATH=/var/www/html/petersburg/
PATHTEMP=/usr/airviro/tmp/
AVLANG=eng ; export AVLANG
PATHTEMPDOCFULL=/var/www/html/iairviro/temp
PATHTEMPDOC=/iairviro/temp
```

That is,

## DESCRIPTION

---

AVDBNAME	Name of the Airviro domain to be used.
DBAS_PATH	Absolute path to the domain.
DOCPATH	Absolute path to the web server root.
HTMLPATH	The name of the subdirectory under the web server root where the html files for the site are stored .
CGIPATH	Path relative to the web server root where cgi scripts for the site are stored.
FULLHTMLPATH	Absolute path to the sites html files.
PATHTEMP	Absolute path to temporary files.
AVLANG	Available languages: eng (english), esp (spanish),...
PATHTEMPDOCFULL	The absolute path to temporary files used for the web pages.
PATHTEMPDOC	Path relative to web server root where temporary files used for web pages are stored.

Temporary directories should normally not be changed.

In general for each new installation (site) you should:

- ▲ Change the word “petersburg” (sitename) with the name of the new site

- ▲ Change AVDBNAME to the domain the new site should use.

## 9.3. The framework

The web objects included in APUB module can be called from the framework provided or from outside (any user-built web application).

As it was stated before, the top and left menu bars of the framework are configured in the file:

- *apub.<sitename>.rf*

*Let us see this file in detail now:*

*The first part* contains some general settings:

- Date format : dd/mm/yyyy (UK) or yymmdd (UTH).  
dateformat: UK
- Up to three customer clickable logos can be shown as gif pictures and a link to another website can be attached to them  
logo.top.gif: /petersburg/images/airlogo\_apub\_top.gif  
logo.top.link: <http://slb.nu/slbaireweb>  
  
logo.bot.gif: /petersburg/images/airlogo\_apub\_bot.gif  
logo.bot.link: <http://www.smhi.se/>  
  
logo2.bot.gif: /petersburg/images/trans.gif  
logo2.bot.link: <http://www.google.se/>
- Language selection: For sites available in two languages  
flag.gif: /eslb/sweden\_flag.gif  
flag.link: <http://85.24.165.10/petersburg/>

*The second part* contains the configuration of the menus themselves:

For the first level or top menu bar

*Web html pages are found in a directory under /var/www/html/<sitename>/*

- Example: “Home Monitoring” data is saved in *var/www/petersburg/Monitoring*

*There fore, this menu call should be specified in three lines:*

```
module.Monitoring.DisplayName: Monitoring
module.Monitoring.MainPage: Monitoring/Main.htm
module.Monitoring.Row: 0
```

DisplayName is the name for this menu that will appear in the top bar in the web browser  
MainPage is the location and name of the main page for this menu  
Row indicate if the menu will be displayed in the first row (row=0), the second(row=1), etc

- For second level or left menu bar

Web objects are found in var/www/cgi-bin/<sitename>/

Example:

Here, for the top menu “Monitoring” configured above we have four left menus defined, each one calls a different object, or an html page as previously seen for top menus:

```
Monitoring.start:1
Monitoring.1.DisplayName: Meteorology data
Monitoring.1.MainPage: apub.htmlindico.cgi page=pageFrame
header=Meteorology macro=TEMP rsrc=Monitoring.1.MainPage
macropath=www_met
Monitoring.1.Options: type=cgi topcurve=off window=default

Monitoring.2.DisplayName: Ambient data
Monitoring.2.MainPage: apub.htmlindico.cgi page=pageFrame
header=Air_Quality macro=femman_NOx rsrc=Monitoring.2.MainPage
macropath=www_amb topcurve=n
Monitoring.2.Options: type=cgi topcurve=on

Monitoring.3.DisplayName: Map
Monitoring.3.MainPage: apub.stationmap.cgi page=ShowMap
areaid=OA gsize=450x370 stnshow=false stngroup=0x80
backgroundimg=images/blank.gif mappostop=69 mapposleft=267
infocgi= macropath=stn infoframe=_blank
rsrc=Monitoring.3.MainPage
lefthtmlpage=/petersburg/iframestn.htm ins=map1
Monitoring.3.Options: type=cgi

Monitoring.4.DisplayName: Values on Map
Monitoring.4.MainPage: apub.stncolmap.cgi page=ShowMap areaid=OA
gsize=450x370 stnshow=false stngroup=0x80
backgroundimg=images/blank.gif mappostop=69 mapposleft=267
infocgi= macropath=stn infoframe=_blank
rsrc=Monitoring.4.MainPage lefthtmlpage= apptag=colorstn
showtag=NO2 nrdec=1
Monitoring.4.Options: type=cgi
```



In this case, ‘Options’ are additional parameters that tell the framework what is called and how to show it

Different values for options are:

```
# window = default, blank , _self, _top , ...  
# type= cgi , htm, url  
# topcurve= on, off
```

**Appendix A1.2** shows an example of framework (*apub.petersburg.rf*).

## 9.4. Available Objects

Objects available in APUB are configured in the following files:

- *apub.<sitename>.lbl.cfg* specifies the texts of the legends and labels displayed in the objects.
- *apub.<sitename>.<instance>.rf*: combined objects configuration. Instance: colors, restrictions, maps...

For instance, for Petersburg’s site ( see Appendix A1.2):

- *apub.petersburg.lbl.cfg*: labels for all the APUB web objects. Example: *lblStation*, *lblMap* and *lblPeriod*.
- *apub.petersburg.hour.rf* : configuration for combineWeb page: table region, columns, rows, cells and comments. In this case, the instance for this CombineWeb object is “hour”, many other instances of this module can be defined for the same site.
- *apub.petersburg.colmap2.colorstn.rf*: values for the option lists (combo boxes). Example: substances and years. It use the Indico Module. In this case, this file is defined for Values on Map Object.
- *apub.petersburg.stnmap.map1.rf*: date restrictions for the graphs (StnMap page). Can define different levels, example: *apub.petersburg.stnmap.map2.rf*  
In this case, this file is defined for Map Object.

Many other instances of this module can be defined for the same site:

*apub.petersburg.stnmap.<instance>.rf*.

All these files must be located in */usr/airviro/rsrc/*

Six predefined web objects are available in the APUB module. These objects are:

### 9.4.1. Indico Web Object (IndicoWeb)

With this object time series graphs can be added to the web page. The user will be able to select the time period and a graph from a list of pre-defined graphs. *Figure 9.3.1*

The graphs can show meteorology data (i.e.: wind and temperature) or ambient data (pollutants). They must be previously saved as an Indico macro using the Indico Presentation Module. The macros starting with "default\_" in the directory *\$DBAS\_PATH/indico/<macropath>*.

This object also allows the user to download data from time series in *pdf*, *text* and *excel* format.

Parameters accepted by the script:

pageFrame	Frame (left and right pane).
pageLeft	Left pane containing the list of macros.
pageRight	Right pane containing the graph.
macropath	Path to the macro root.
stnkey	Specifies <i>stnkey</i> which acts as a sub directory to <i>&lt;macropath&gt;</i> .
macro	The name of the macro to show as default.
header	The header (title) of the page.
from	Start date for graph.
to	Stop date for graph.
limgfrom	Start date limit for graph.
limgto	Stop date limit for graph.
limdfrom	Start date limit for raw data.
limdto	Stop date limit for raw data.
rsrc	(Self) reference to <i>apub.&lt;sitename&gt;.rf</i> entry to control any restrictions set on which data set should be possible to view.
gsize	Height and width of generated raster picture (graph).
domain	Domain.
topcurve	Whether to show the curve at the top left corner.
stninfoLink	An url that points out a cgi-script that takes a station key as argument. The cgi should then provide an html-page with a more detailed description of the station.

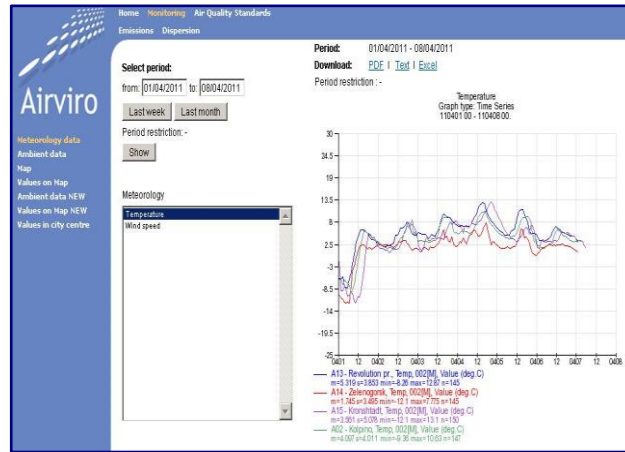


Figure 9.3.1

An example of url call to Indico Web Object (IndicoWeb) is:

```
url: /cgi-
bin/petersburg/apub.htmlindico.cgi?page=pageFrame&header=Meteorology&
macro=TEMP&rsrc=Monitoring.1.MainPage&macropath=www_met&,
target=frRight
```

If one is calling this object from outside the framework, it should normally be inserted in an IFrame.

Configuration files required by this object are:

```
apub.petersburg.cfg
apub.petersburg.lbl.cfg
```

### 9.4.2. Map Object (StationWeb)

Allow to displayed stations on the map. It is possible to select stations on the map and display the information about this station. Example: *Figure 9.3.2*



Figure 9.3.2

An example of url call to Map Object (StationWeb) is:

```
url:/cgi-
bin/petersburg/apub.html.cgi?page=pageUserMainRight&userpage=/cgi-
bin/petersburg/apub.stationmap.cgi?page=ShowMap&areaid=OA&gsize=450x
370&stnshow=false&stngroup=0x80&backgroundimg=images/blank.gif&mapp
ostop=69&mapposleft=267&infocgi=&macropath=stn&infoframe=_blank&rsr
c=Monitoring.3.MainPage&lefthtmlpage=/petersburg/iframetest.htm&ins=map
1&, target=frRight
```

If one is calling this object from outside the framework, it should normally be inserted in an Iframe.

Configuration files required by this object are:

```
apub.petersburg.cfg
apub.petersburg.lbl.cfg
apub.petersburg.stnmap.map1.rf
```

### 9.4.3. Values on map Object (StnColWeb2)

Display stations on a map. The stations are colour referenced according to predefined levels and colours. With the mouse over functionality the latest available value is displayed. For example it is possible to display an Air Pollution Index (hazardous, unhealthy, poor, moderate and good). Example: *Figure 9.3.3*

Configuration file *apub.<site>.stncolmap2.<apptag>.rf* contains:

- List of years to show
- Parameter key
- Data for coloured dots are fetched from macros in:
  1. \$DBAS\_PATH/indico/<apptag>/<param>/<stnkey>.ic
  2. \$DBAS\_PATH/indico/<apptag>/<param>/default.ic

If a station is clicked, the IndicoWeb2 module is activated with the macros in the directory pointed out by <macropath>.

Parameters accepted by the script:

ShowMap	Show map with colour coded stations.
areaid	Map area id.
macropath	Path to the macro root (when showing graphs).
gsize	Raster map dimension (width x height).
mapcoord	Map coordinates (0,0,0,0 means whole map).
stngroup	Filter out stations belonging to this station group only (bitmask)
stnshow	If "true", show name (label) for each station.
backgroundimg	Path to image to use as background.
mappostop	Y position for top of map.
mapposleft	X position for left of map.
infoframe	Path to info page to show left of map.
infocgi	Cgi-script to call when detailed information about a station is required. Station key is given as argument and a complete html page is expected back.
lefthtmlpage	Path to info page to show left of map.
rsrc	Reference to apub.<sitename>.rf entry to validate restrictions.
apptag	Application tag name for this StationWeb instance. This is the same as the instance name.
nrdec	Number of decimals for values.
maxage	How many seconds to allow before declaring data missing.

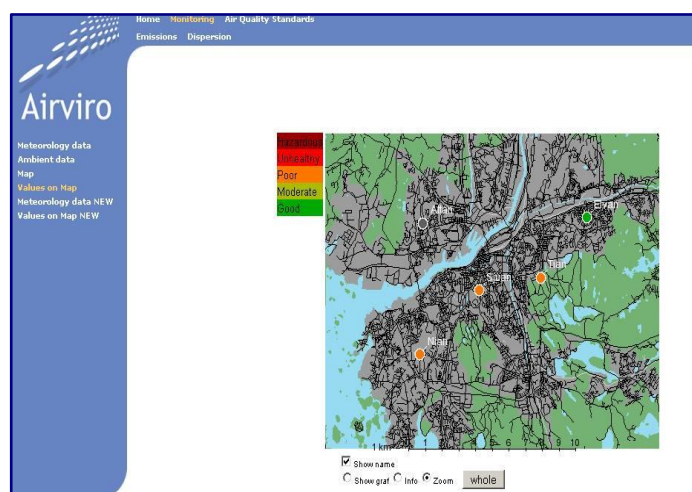


Figure 9.3.3

An example of url call to Values on map object (StnColWeb2) is:

```
url: /cgi-bin/petersburg/apub.html.cgi?page=pageUserMainRight&userpage=/cgi-bin/petersburg/apub.stncolmap.cgi?page>ShowMap&areaid=OA&gsize=450x370&stnshow=false&stngroup=0x80&backgroundimg=images/blank.gif&mappostop=69&mapposleft=267&infocgi=&macropath=stn&infoframe=_blank&rsrc=Monitoring.4.MainPage&lefthtmlpage=&apptag=colorstn&showtag=NO2&nrdc=1&, target=frRight
```

If one is calling this object from outside the framework, it should normally be inserted in an Iframe.

Configuration files required by this object are:

```
apub.petersburg.cfg
apub.petersburg.lbl.cfg
apub.petersburg.colMap2.colorstn.rf
```

#### 9.4.4. Combined Object (CombinedWeb)

This object displays a combination of texts, graphs and maps. Several substances are shown in a matrix. Typically the matrix contains substances versus locations. In the *Figure 9.3.4*, locations are M\_Balkanskaya and Revolution vs substance PM10. The colour of the item in the matrix is coloured referenced according to predefined

levels and colours that are shown in a legend, beneath the matrix, the latest selected item in the matrix is shown as a coloured time series graph, typically the time series, for example, for the latest three days.

To the right of the graph a map is shown. The location of the item selected in the matrix is highlighted on the map in a colour that is the same as the item in the matrix. Above the map a predefined text can be added.

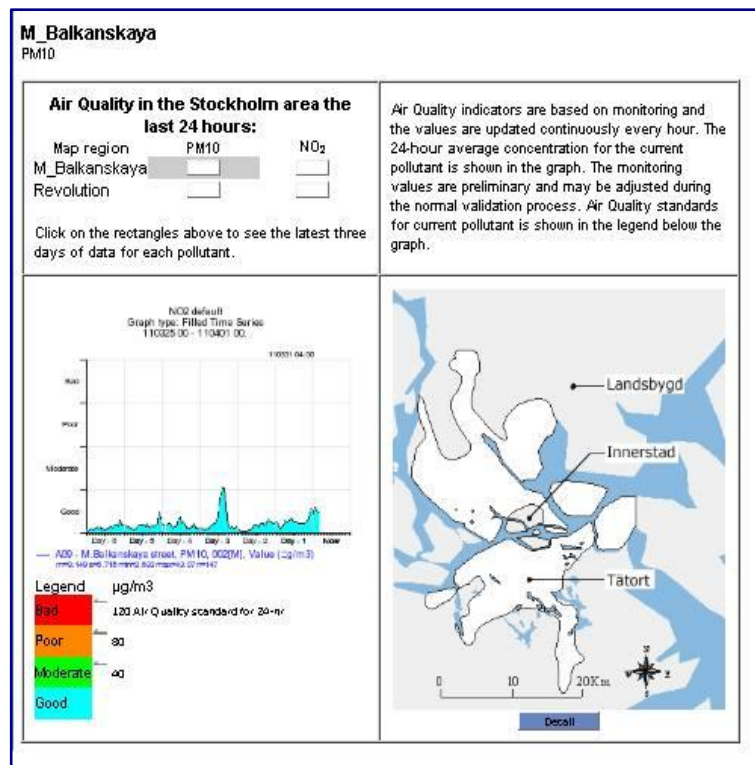


Figure 9.3.4.

Select to column and a row for the matrix and you see their graph. Example *Figure 9.3.4*: click on rectangles PM10 and M\_Balkanskaya, and you see the latest six days of data for PM10.

Click on **Detail** and you see other map with values on the map. You should see the legend for the interpretation these values on the map.

An example of url call to Combined object (CombinedWeb) is:

```
/cgi-bin/petersburg/apub.html.cgi?page=pageUserMainRight&userpage=/cgi-  
bin/petersburg/apub.combineweb.cgi?page=pageComb&ins=hour&  
target=frRight
```

If one is calling this object from outside the framework, it should normally be inserted in an Iframe.

Configuration files required by this object are:

```
apub.petersburg.cfg  
apub.petersburg.hour.rf
```

### 9.4.5. Emissions Object (EdbWeb)

This object can make an emission calculation from emission database macros. Macros are selectable and the emission result is shown on a map.

The total emission is shown including measure units and different available formats for downloading the emission, including pdf, txt and excel.

Parameters accepted by the script:

pageFrame	Frame (left and right pane)
pageLeft	Left pane containing the list of macros.
pageRight	Right pane containing the map.
macro	The name of the macro to show.
header	The header (title) of the page.
macropath	Where to look for macros
gsize	Height and width of generated raster picture (map)
gcoord	Map coordinates (0,0,0,0 means whole map)
domain	Domain.
topcurve	Whether to show the curve at the top left corner.



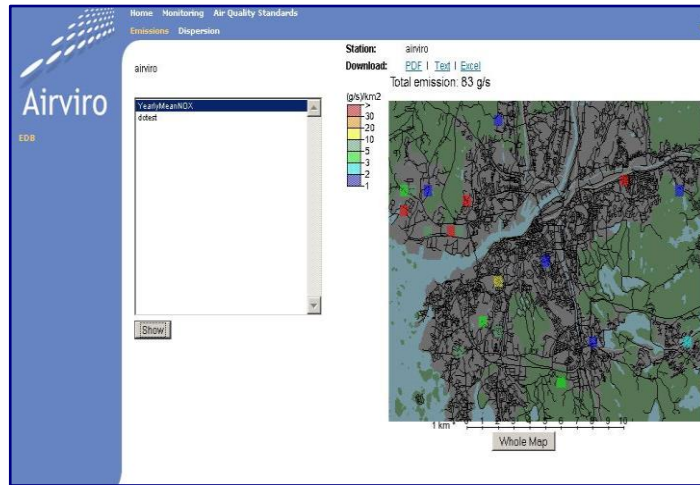


Figure 9.3.5.

An example of url call to Emissions object (EdbWeb) is:

*url:/cgi-bin/petersburg/apub.html*  
*edb.cgi?page=pageFrame&header=airviro&macro=ctest&rsrc=Station.2.MainPage&, target=frRight*

If one is calling this object from outside the framework, it should normally be inserted in an IFrame.

Configuration files required by this object are:

*apub.petersburg.cfg*  
*apub.petersburg.lbl.cfg*

### 9.4.6. Dispersion Objects (DispWeb)

This object can show a dispersion calculation result from a dispersion macro. Macros are selectable and the emission result is shown on a map. Different formats are available for downloading the dispersion result, including pdf, txt and excel.

Parameters accepted by the script:

pageFrame	Frame (left and right pane)
pageLeft	Left pane containing the list of macros.
pageRight	Right pane containing the map.
macro	The name of the macro to show.

header	The header (title) of the page.
macropath	Where to look for macros
gsize	Height and width of generated raster picture (map)
gcoord	Map coordinates (0,0,0,0 means whole map)
domain	Domain.
topcurve	Whether to show the curve at the top left corner.

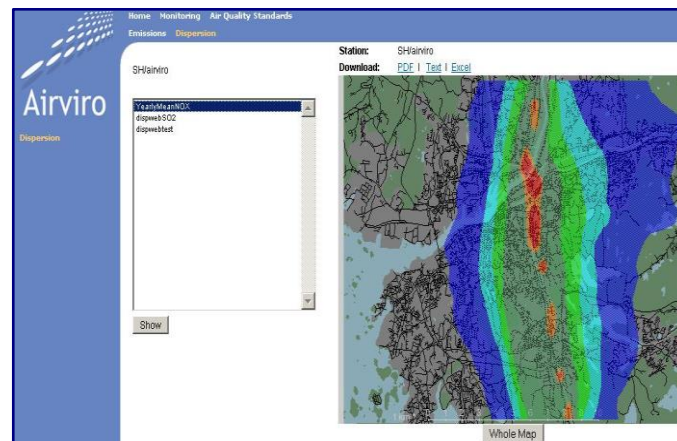


Figure 9.3.6.

An example of url call to Dispersion objects (DispWeb) is:

*url: /cgi-bin/petersburg/apub.htmldisp.cgi?page=pageFrame&header=SH/airviro&macro=dispwebtest&rsrc=Station.2.MainPage&, target=frRight*

If one is calling this object from outside the framework, it should normally be inserted in an Iframe.

Configuration files required by this object are:

*apub.petersburg.cfg*  
*apub.petersburg.lbl.cfg*

## APPENDIX A: Examples of configuration files

### A1.Introduction

This Appendix contains the configuration files for Petersburg. They were taken from:

<http://84.204.47.86/petersburg/>

Remember that all these files must be saved in *usr/airviro/rsrc/*

#### 9.2. A1.1 apub.petersburg.cfg

```
AVDBNAME=newpeter
DBAS_PATH=${AVPATH}data/${AVDBNAME}/
DOCPATH=/var/www/html/
HTMLPATH=/petersburg/
CGIPATH=/cgi-bin/petersburg
FULLHTMLPATH=/var/www/html/petersburg/
PATHTEMP=/usr/airviro/tmp/
AVLANG=eng ; export AVLANG
PATHTEMPDOCFULL=/var/www/html/iairviro/temp
PATHTEMPDOC=/iairviro/temp
```

#### 9.3. A1.2 apub.petersburg.rf

```
!
! Configuration of Airweb modules
!
! module key (ie Home,Met,Air) must match
! dir name where html is located

! date format UK = dd/mm/yyyy or UTH = yymmdd
#dateformat: UTH
dateformat: UK

logo.top.gif: /petersburg/images/airlogo_apub_top.gif
logo.top.link: http://slb.nu/slbbairweb

logo.bot.gif: /petersburg/images/airlogo_apub_bot.gif
logo.bot.link: http://www.smhi.se/

logo2.bot.gif: /petersburg/images/trans.gif
logo2.bot.link: http://www.google.se/
```

---

```
flag.gif: /eslb/sweden_flag.gif
flag.link: http://85.24.165.10/petersburg/
!flag.link: http://www.slb.nu/slbairweb/

menu.margin.left:10

#----- First level (top bar) -----

module.Home.DisplayName: Home
module.Home.MainPage: Home/Main.htm
module.Home.Row: 0

module.Monitoring.DisplayName: Monitoring
module.Monitoring.MainPage: Monitoring/Main.htm
module.Monitoring.Row: 0

module.Emissions.DisplayName: Emissions
module.Emissions.MainPage: Emissions/Main.htm
module.Emissions.Row: 1

module.Dispersion.DisplayName: Dispersion
module.Dispersion.MainPage: Dispersion/Main.htm
module.Dispersion.Row: 1

module.AirQuality.DisplayName: Air Quality Standards
module.AirQuality.MainPage: AirQuality/Main.htm
module.AirQuality.Row: 0

#----- Second level (left pane) -----

# options for "Options"
# window = default, _blank , _self, _top , ...
# type= cgi , htm, url
# topcurve= on, off

Home.1.DisplayName: Staff
Home.1.MainPage: Home/Staff.htm

Home.2.DisplayName: link to website
Home.2.MainPage: http://www.lanacion.com
Home.2.Options: type=url

Monitoring.start:1
Monitoring.1.DisplayName: Meteorology data
Monitoring.1.MainPage: apub.htmlindico.cgi page=pageFrame
header=Meteorology macro=TEMP rsrc=Monitoring.1.MainPage
macropath=www_met
Monitoring.1.Options: type=cgi topcurve=off window=default

Monitoring.2.DisplayName: Ambient data
```

## Airviro version 5.00

---

Monitoring.2.MainPage: apub.htmlindico.cgi page=pageFrame  
header=Air\_Quality macro=femman\_NOx rsrc=Monitoring.2.MainPage  
macropath=www\_amb topcurve=n  
Monitoring.2.Options: type=cgi topcurve=on

Monitoring.3.DisplayName: Map  
Monitoring.3.MainPage: apub.stationmap.cgi page=ShowMap areaid=OA  
gsize=450x370 stnshow=false stngroup=0x80  
backgroundimg=images/blank.gif mappostop=69 mapposleft=267 infocgi=  
macropath=stn infoframe=\_blank rsrc=Monitoring.3.MainPage  
lefthtmlpage=/petersburg/iframestest.htm ins=map1  
Monitoring.3.Options: type=cgi

Monitoring.4.DisplayName: Values on Map  
Monitoring.4.MainPage: apub.stncolmap.cgi page=ShowMap areaid=OA  
gsize=450x370 stnshow=false stngroup=0x80  
backgroundimg=images/blank.gif mappostop=69 mapposleft=267 infocgi=  
macropath=stn infoframe=\_blank rsrc=Monitoring.4.MainPage  
lefthtmlpage= apptag=colorstn showtag=NO2 nrdec=1  
Monitoring.4.Options: type=cgi

Monitoring.5.DisplayName: Ambient data NEW  
Monitoring.5.MainPage: apub.htmlindico2.cgi page=pageFrame  
header=Ambient macro=WindDir Attan rsrc=Monitoring.5.MainPage  
macropath=www\_amb stninfolink=infotest.htm  
Monitoring.5.Options: type=cgi topcurve=off window=default

Monitoring.6.DisplayName: Values on Map NEW  
Monitoring.6.MainPage: apub.stncolmap2.cgi page=ShowMap areaid=N2  
gsize=450x370 stnshow=true stngroup=0x01  
backgroundimg=images/blank.gif mappostop=69 mapposleft=267  
infocgi=apub.infostn2.cgi macropath=www\_amb infoframe=\_blank  
rsrc=Monitoring.6.MainPage lefthtmlpage= apptag=colorstn nrdec=1  
subs=0004 year=2008  
Monitoring.6.Options: type=cgi

Monitoring.7.DisplayName: Values in city centre  
Monitoring.7.MainPage: apub.stncolmap2.cgi page=ShowMap areaid=N1  
gsize=450x370 stnshow=true stngroup=0x02  
backgroundimg=images/blank.gif mappostop=69 mapposleft=267  
infocgi=apub.infostn2.cgi macropath=www\_amb infoframe=\_blank  
rsrc=Monitoring.7.MainPage lefthtmlpage= apptag=colorstn nrdec=1  
subs=0004 year=2008  
Monitoring.7.Options: type=cgi

Emissions.1.DisplayName: EDB  
Emissions.1.MainPage: apub.htmlledb.cgi page=pageFrame header=airviro  
macro=dctest rsrc=Station.2.MainPage  
Emissions.1.Options: type=cgi topcurve=off

Dispersion.1.DisplayName: Dispersion  
Dispersion.1.MainPage: apub.htmldisp.cgi page=pageFrame  
header=SH/airviro macro=dispwebtest rsrc=Station.2.MainPage  
Dispersion.1.Options: type=cgi topcurve=off

AirQuality.1.DisplayName: Immission Indicator Forecast

---

```
AirQuality.1.MainPage: apub.combineweb.cgi page=pageComb ins=hour
AirQuality.1.Options: type=cgi
AirQuality.2.MainPage: /dc.htm
AirQuality.2.Options: type=htm topcurve=off
```

## 9.4. A1.3 apub.petersburg.lbl.cfg

```
lblSelecttimeperiod: Select period
lblLastweek: Last week
lblLastmonth: Last month
lblfrom: from
lblto: to
lblShow: Show
lblStation: Station
lblPeriod: Period
lblDateGraphLimit: Period restriction
lblDateDownloadLimit: Period restriction
lblDownload: Download
lblPDF: PDF
lblText: Text
lblExcel: Excel

lblSelectStation: Stations
lblZoomIn: Zoom
lblWhole: whole
lblShowGraph: Show graf
lblShowStationInfo: Info
lblShowStationOnMap: Show name

lblMap: Map
lblSubs: Substance
lblYear: Year
```

## 9.5. A1.4 apub.petersburg.stnmap.map1.rf

```
!
! Restrictions for StanMap page
!
! Stnkey.showlimit: yymmdd-yymmdd
! Stnkey.downloadimit: yymmdd-yymmdd
! UTH format
!DEFAULT.limitgraph: 080101-090701
!DEFAULT.limitdownload: 080401-080501
! UK format
DEFAULT.limitgraph: 01/01/08-01/07/15
DEFAULT.limitdownload: 01/04/08-01/05/15
```



! Table cells

Balkanskaya.NO2.comment: Air Quality indicators are based on monitoring and the values are updated continuously every hour. The <b>hourly</b> average concentration for the current pollutant is shown in the graph. The monitoring values are preliminary and may be adjusted during the normal validation process. Air Quality standards for current pollutant is shown in the legend below the graph.  
Balkanskaya.NO2.graph.macro: stds/mbalkanskaya\_no2\_hour.ic  
Balkanskaya.NO2.dmap: rtd/STHLMCITY/NO2.gif

Revolution.NO2.comment: Air Quality indicators are based on monitoring and the values are updated continuously every hour. The <b>hourly</b> average concentration for the current pollutant is shown in the graph. The monitoring values are preliminary and may be adjusted during the normal validation process. Air Quality standards for current pollutant is shown in the legend below the graph.  
Revolution.NO2.graph.macro: stds/revolution\_no2\_hour.ic  
Revolution.NO2.dmap: images/nodetails.gif

! Stop NO2

! Start PM10

Balkanskaya.PM10.comment: Air Quality indicators are based on monitoring and the values are updated continuously every hour. The <b>24-hour</b> average concentration for the current pollutant is shown in the graph. The monitoring values are preliminary and may be adjusted during the normal validation process. Air Quality standards for current pollutant is shown in the legend below the graph.  
Balkanskaya.PM10.graph.macro: stds/mbalkanskaya\_pm10\_hour.ic  
Balkanskaya.PM10.dmap: rtd/STHLMCITY/PM10\_24.gif

Revolution.PM10.comment: Air Quality indicators are based on monitoring and the values are updated continuously every hour. The <b>24-hour</b> average concentration for the current pollutant is shown in the graph. The monitoring values are preliminary and may be adjusted during the normal validation process. Air Quality standards for current pollutant is shown in the legend below the graph.  
Revolution.PM10.graph.macro: stds/revolution\_pm10\_hour.ic  
Revolution.PM10.dmap: images/nodetails.gif

! Stop PM10