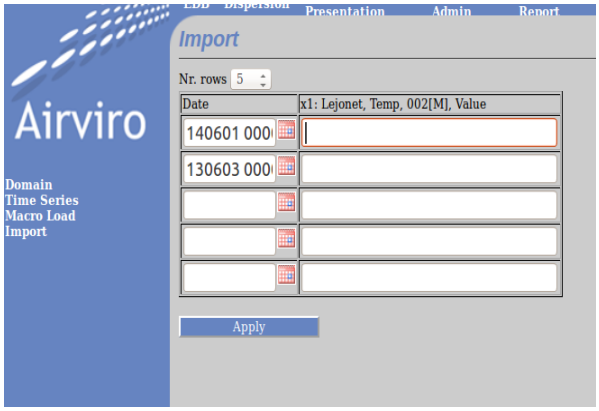
Apertum

Volume 10

Airviro User's Reference



Working with Indico Import Module

How to import data from times series?

Working with Indico Import Module

How to display environmental data on the web?

Amendments

Version	Date changed	Cause of change	Signature
3.22	April 2013	New module	GS
3.23	May 2013	Upgrade	GS
3.23	Aprl 2015	Revision	GS
4.00	June 2015	Upgrade	GS
4.00	Aug 2018	Review	GS

CONTENT

10.1. Introduction

Airviro is a web based user interface. Airviro can be used from a PC or any other device running Internet Explorer 6 or later and Firefox.

After logging in on Airviro, the Indico Import module can be selected. All data processing is made on the Airviro server and the results are transferred to the web browser running on the client.

Please note that JAVA JRE (run time plugin) must be installed and enabled in the web browser.

Indico Import is a powerful tool for import data from the time series database.

The input format for the data is XLS from MS Excel ®

Data input is made for a selected period of time and a specific time series.

10.2. Getting started

To be able to Access the Airviro system, the corresponding Airviro installation URL must be known and using a web browser through the internet, Access to it. (http://< ip direction>/iairviro/). i.e.: http://10.13.24.54/iairviro/

After entering the user name and password, working domain must be selected and select the **Indico Import** module is selected from the menu bar located at the top of the main Airviro window.

10.3. Domain.

In the **Domain & Time resolution** frame, the user selects database project and one available resolution. It is not necessary to select the same domain as in the login process. If you change to another domain, you will get other time series and other macros related to the current domain.

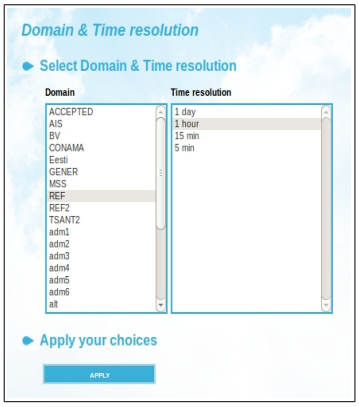


Figure 10.1 Domain and Time resolution.

10.4. Time Series

In **Time Series**, you will see a list with all stations - active or inactive - and all observed parameters in the parameter database, regardless the station. When you select a station in the station list, you will get a list of parameters belonging to that station. Clicking **RE-SCAN** will update the lists from the time series database to include any new time series that have been added since the session started.

Clicking **CLEAR** removes the current selections and fills the lists with all stations and parameters. On the other hand, if you are interested in all stations that measure a certain parameter, start by clicking on the parameter in the parameter list (*Figure 10.2.*)

It is possible to **sort** the stations or the parameters in the list box alphabetically, by station key or parameter key by selecting sort key in the associated drop-down list box.

Checking/unchecking **Reverse** re-sort the list in the order accordingly. It is also possible to promote active stations by moving them to the top of the list by checking **Active first**. Sorting stations also by reverse death time creates a list of increasingly older stations. Click **CLEAR** to get a full list of stations. Operational stations are shown preceded by an asterisk (*), these stations collect data automatically (*Figure 10.2.)*

After you have selected both a station and a parameter, you will get the instances list for the actual parameter. The instance is used to differentiate among multiple measurements of the same parameter at the same site.

There are three different kind of instances. The letter in brackets after the three letter instance specifies the type. The type [v] means a raw value that can be scaled in the validation process. Normally time series values of this type are read only and can not be changed. The type [M] means data that are editable. These can origin from raw data (scaled or copied from raw data) or be loaded directly into the time series database. The type [O] indicates an editable value with an additional standard deviation from the integration period as well as a light intensity. All types also has a status flag assigned by the quality control in Indico Administration. (*Figure 10.2.*)

Once you have selected a station, parameter, instance and attribute, the time series is uniquely identified (for the current time resolution). Click **NEW** to select the time series for further processing. Please remember that the variables are numbered according to the order in which they are listed in the “Selected” list box. You can remove a highlighted selected variable from the list box with the **REMOVE SELECTED** button or replace it with another selection and clicking **REPLACE**. If you click **CLEAR ALL**, all variables will be removed in the “Selected” list box.

Here, the same restrictions for selecting the time series as in the Indico Presentation are used. The user can select up to 12 time series.

When you are satisfied with your time series selections, click **APPLY** to save your settings. (*Figure 10.2*.)

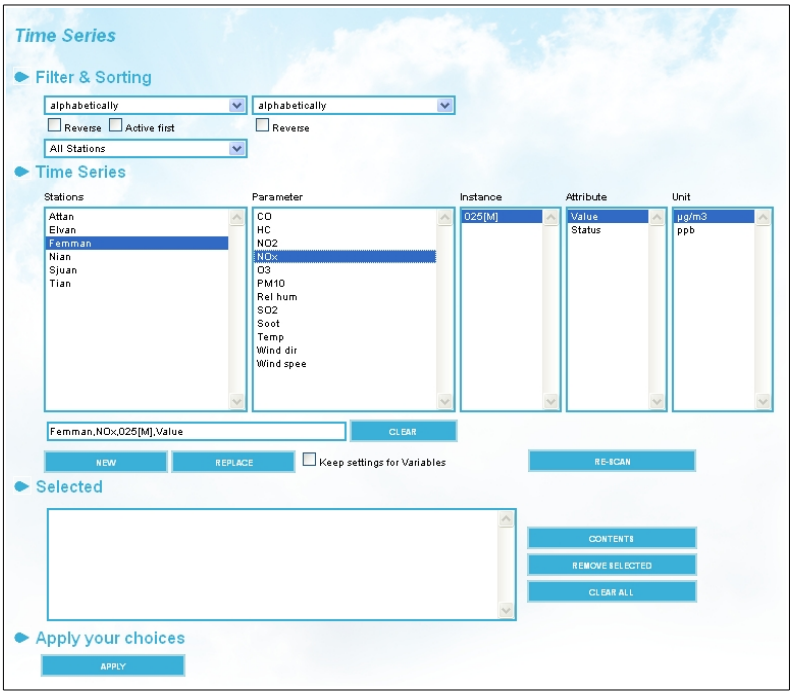


Figure 10.2. Time Series Windows.

10.5. Macro

Under **MACROS** you can select the macro previously created using the Indico Presentation module. *Figure 10.3.*

In Indico the settings for a graph can be saved in a macro. Macros are stored in folders, each user have their own folder, a common folder and some other folders may also be created. The system administrator decides who is allowed to store macros in the common folder (setting the corresponding Indico.WriteGroup.user privilege in priv.rf). Users can always save macros in their own folders, but usually not in other folders, although it is possible to load macros from other folder.

It is very simple to save your settings:

- · On the menu, choose **MACROS**
- · Select a folder. The **Common folder** is always the root folder and can not be deleted. The user can add o delete new folders
- Specify a name for the macro in the text box under the **Macro** list to the right.
- Press the save macro button..

To load a macro:

- Select the folder where the macro is saved from the left list.
- Select the macro from the right list.
- Decide if you want to change period:

— **Time from macro:** the same period that is used during the saved in this macro.

— **Keep current period:** is the present period.

— **Latest 24 hrs:** are the last 24hrs from the present period.

— **Today:** is the period between 00 and 23hrs (00:00 ≤ x < 00:00).

— **Yesterday:** are the 24 hrs of the yesterday day.

Latest 7 days: are the last 7days from the present period.

— **This month:** is the present month.

— **Previous month:** is a previous month to present month.

— **This year:** is a present year.

- Press the load macro button

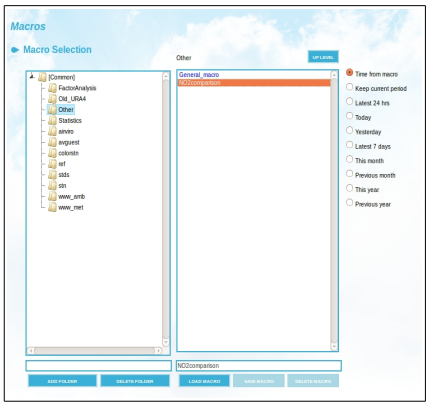


Figure 10.3. Macros.

10.3 Import

With this option values an be imported to the Time Series Database (TSDB).

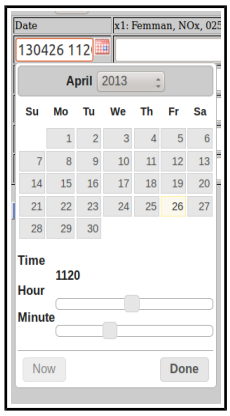


Figure 10.4. Date &Time.

Pressing the Calendar icon, (*Figure 10.4*) you can select the date and time for the data you want to import.

Then enter the values inside the text box, corresponding to the chosen station and parameters. i.e. Femman, NOX 025(M) Value.

By pressing the **APPLY** button, you will confirm the action and import the values into the Time Series Database. A message confirming the Import will be display besides the **APPLY** button.

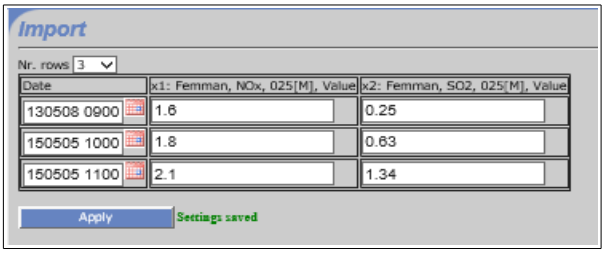


Figure 10.5. Import.