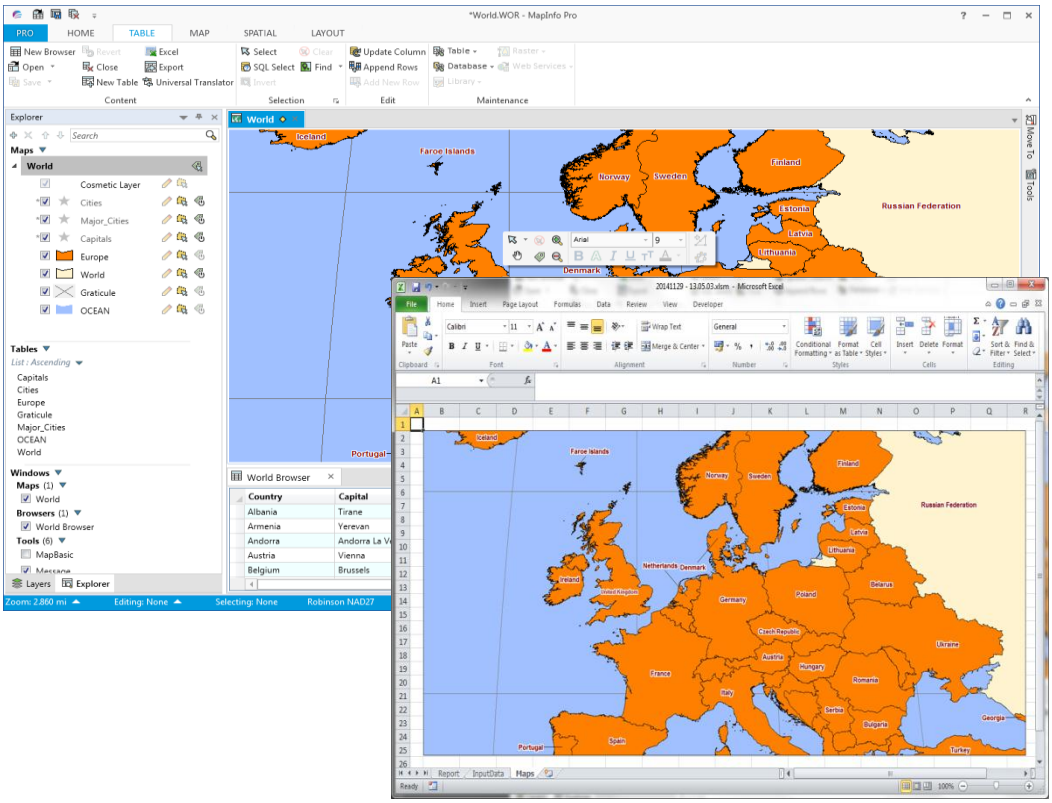
MapInfo2Excel 2.0



About MapInfo2Excel

MapInfo2Excel is a small tool that helps you to get data from a MapInfo table within MapInfo Professional to an Excel file.

This data can be an entire MapInfo table, a query or the data that you currently is viewing in your browser window.

MapInfo2Excel lets you also export a map window to an open MS Excel file.

To get the most out of this tool it's recommended that you add this tool to the Tools Window and set it to Autoload.

The features of this tool have all been made in response to requests from customers.

MapInfo2Excel 2.0 is made for MapInfo Pro 12.5 x64 so it will not run on an older version. If you are using an older version you can use MapInfo2Excel 1.7 that has been made for MapInfo Professional 11.5.

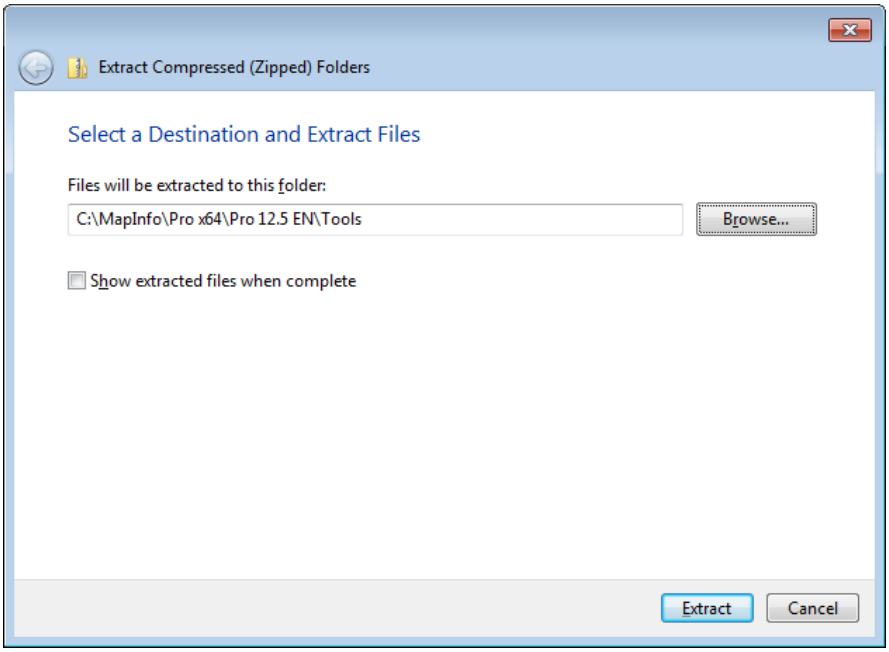
If you have any requests or feedback on the MapInfo2Excel tool, please send your feedback thru the Ideas Community: http://ideas.pb.com/

Add your feedback to the MapInfo Professional product and mark the subject with "MapInfo2Excel tool".

Install MapInfo2Excel

You install MapInfo2Excel by downloading the MapInfo2Excel.zip file. Extract the files into a new folder or into the folder with your other MapInfo tools.

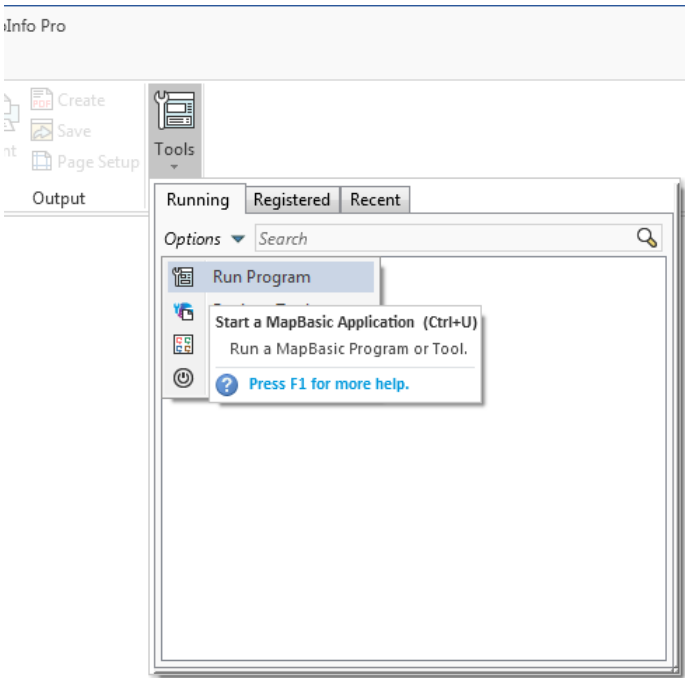
It is recommended to install MapInfo2Excel into its own folder and not install it directly into for example the tools folder.



With MapInfo2Excel 2.02 you can use the standard Extract function in Windows 7 and just pick the location to unzip the file. The zip file contains a sub folder and so MapInfo2Excel will get installed into its own subfolder.

Add tool to Tool Manager

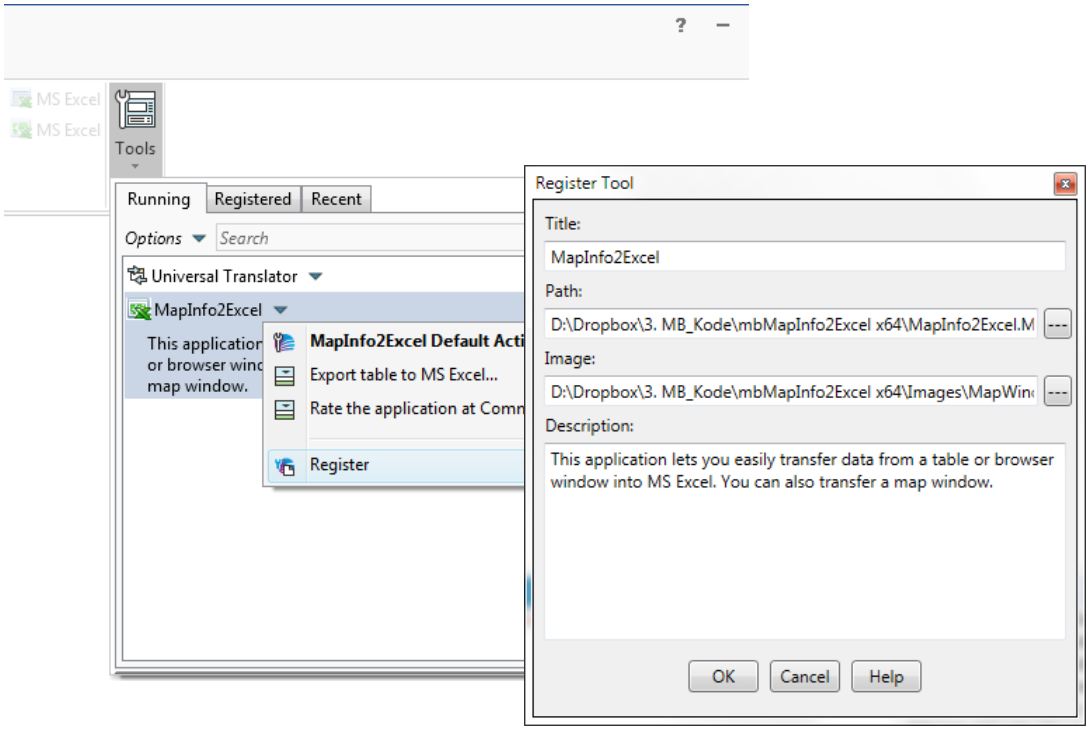
Go to Home > *Tools* and click on the *Run Program* in the *Options* menu.



Now navigate to the location where you unzipped MapInfo2Excel and select the file MapInfo2Excel.mbx.

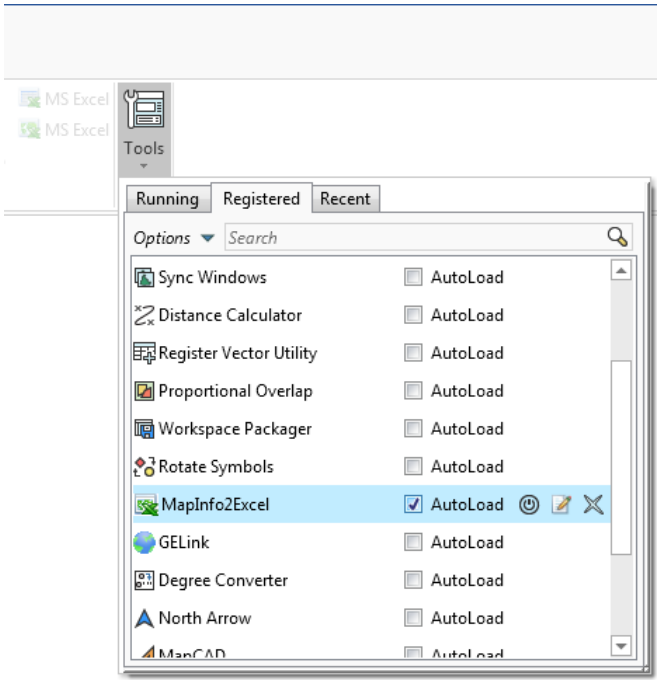
Once the tool has been loaded you can go back to the Tools and click on context menu of MapInfo2Excel in the list of Running tools.

Then click on *Register* to add MapInfo2Excel to the list of registered tools.



Notice that the values have been prefilled for you so you just have to hit OK to add MapInfo2Excel to the list of tools.

Click *OK*. Go back to the *Tools* window select the Registered tab to see the registered tools. Here you can check the *Autoload* checkbox for this tool to load it whenever MapInfo Professional starts up.



New features in MapInfo2Excel 2.0

2.02

Window 8

If you were running MapInfo2Excel 2.01 on a Windows8 computer there was a big chance of MapInfo Pro crashing.

The issue has been fixed by using the new IntPtr variable in some of the WinAPI calls.

2.0

Ribbon integration

As the new MapInfo Pro 12.5.1 x64 has a ribbon based user interface we decided to integrate MapInfo2Excel into this new interface instead of only having the features appear in the context menu of the tool in the Tools window.

You can now find the MapInfo2Excel features in these places:

- Home > Output > Export Table to Excel
- Home > Output > Export Map to Excel
- Table > Content > Export Table to Excel
- Table > Browser Tools > Export Browser to Excel
- Map > Analyze > Export Map to Excel

Besides these places you can also find Export Browser to Excel in the context menu of the browser window and Export Map to Excel in the context menu of the map window.

1.7

Language

The biggest improvement in this release is support for several languages.

Out of the box MapInfo2Excel comes with support for English and Danish. English is the default language.

1.5

Performance

In this release the speed of exporting data from MapInfo Professional to MS Excel has been improved.

Previously the data was sent from MapInfo Professional to MS Excel one value at a time using basic DDE communication.

Now we have changed this to writing the data into a semicolon separated text file and using a macro in MS Excel to import this data in this file into the sheet.

A basic test showed that exporting approximate 70 000 records to MS Excel now can be done in close to 20 seconds.

MS Excel template file

Also notice that we have changed the template file between version 1.0 and version 1.5 and now again in version 1.5.

Between the two versions we had to update the macro that inserted images into a sheet in MS Excel as Microsoft had changed the way an image was stored.

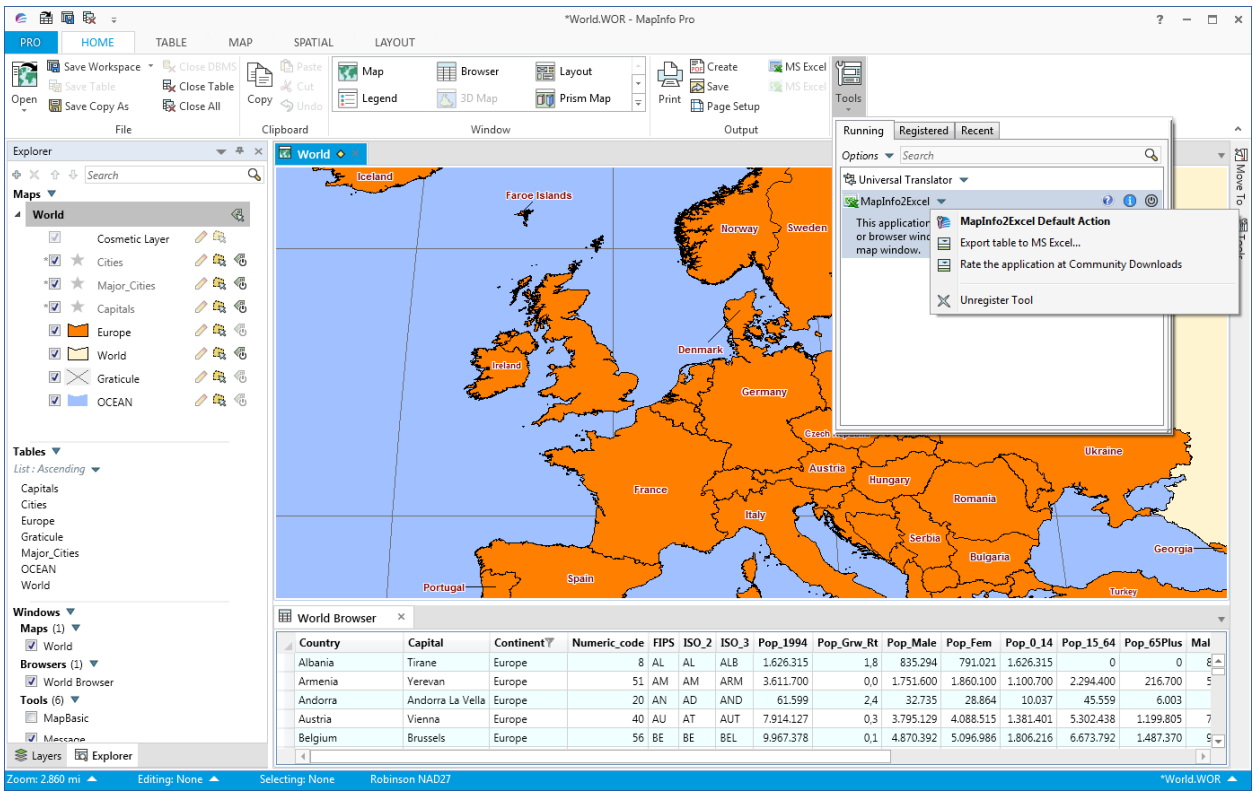
For v1.5 we have added a new macro that allows a
very fast import of the data from MapInfo Professional, see the section on Performance.

Menu item to take you to the Community Downloads site

The tool now also has a new menu item that will take you directly to the Community Download site where you can find other useful tools – and even rate this tool.

Features of MapInfo2Excel

When you run the MapInfo2Excel tool you will see MapInfo2Excel is being added to the list of running tools in the Tools window.



In the picture above you can see the MapInfo2Excel context menu in the Tools window.

The features of MapInfo2Excel have been integrated into the ribbon interface and are available in a number of places.

HOME tab

The *HOME* tab holds the *Export table to Excel* and *Export Map to Excel*. They are both located in the *Output* group.

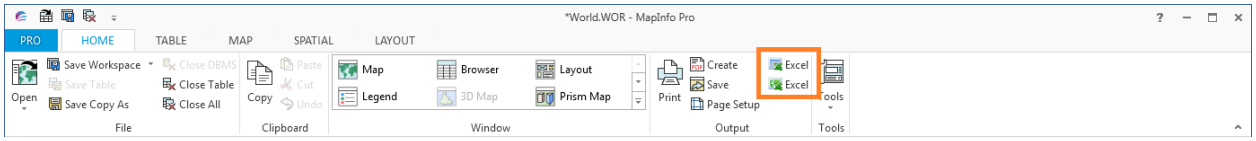
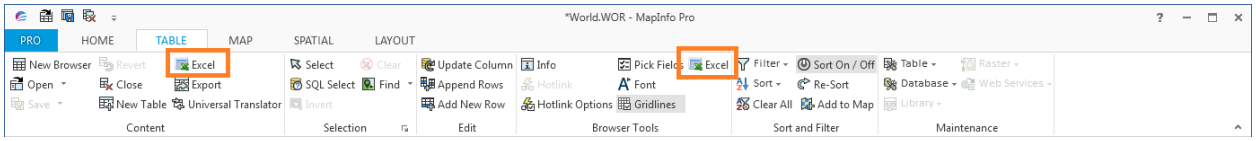


TABLE tab

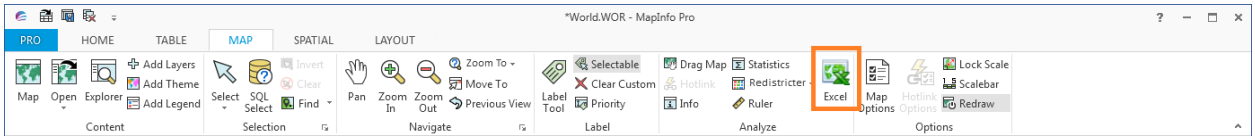
On the *TABLE* tab you can find the *Export table to Excel* option in the *Content* group.

And in the *Browser Tools* group you can find *Export browser data to Excel*. Notice that this group only is visible on the tab when you have a browser window active.



MAP Tab

The option Export map to Excel can also be found on the MAP tab in the Analyze group



Context menus

In the browser windows you will have access to the feature for exporting the attribute data into a new MS Excel file.

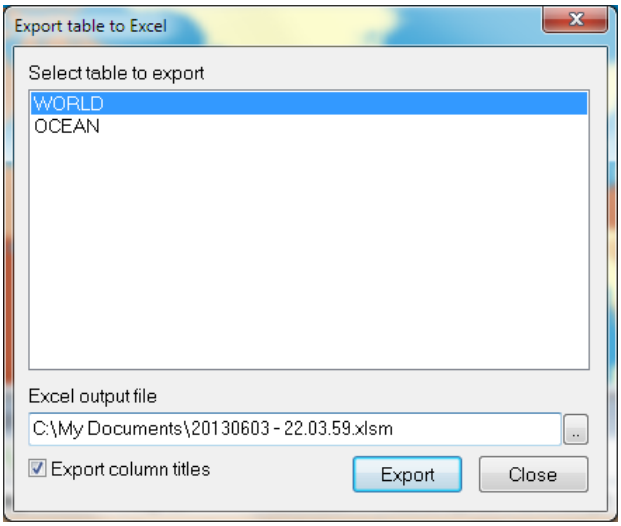
In the map windows you can export the current map window into a MS Excel file. Currently you'll have to export the attribute data before you'll be able to export the map window as well.

Export a table into MS Excel

You can export all the data from a table with attributes into a new MS Excel file.

You can launch this feature from:

- The MapInfo2Excel context menu in the *Tools* window and then *Export table to MS Excel*
- By double clicking on the MapInfo2Excel tool in the *Tools* window
- *HOME* tab > *Output* > *Export table to MS Excel*
- *TABLE tab* > *Content* > *Export table to MS Excel*



When you select this menu item, you will get prompted with the dialog *Export table to MS Excel*.

If you don't have any attribute tables open, , such as native tables, you'll be told to open at least one native table.

Pick the table you want to export to MS Excel. Notice that the list will contain base tables as well as query results.

Enter the name of the output MS Excel file. By default it will get created in your "My Documents" folder and have the current date and timestamp as name. You can use the small button with the two dots (..) to select a different location and name or you can change the name directly in the text field.

Check the option *Export column titles* if you want the column titles to get exported to MS Excel as well.

Click the *Export* button to export the selected table to MS Excel.

After the table has been exported the dialog stays on the screen, so you can export several tables easily. Close the dialog by clicking the *Close* button when you are done.

Export current browser data into MS Excel

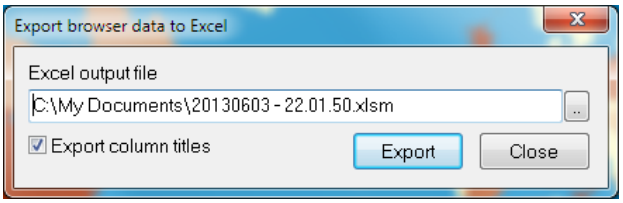
If you have used the new filter and sort capabilities of the new browser window, you can also export the current data from your browser into a new MS Excel file.

The data will get exported just as it looks in the browser. The filter condition and sort order will be maintained.

You can access this feature from a number of places:

- *TABLE* tab > *Browser Tools* > *Export current browser data to MS Excel*
- Browser window, context menu > Export current browser data to MS Excel

When you click one of these menu items, you'll be presented with the dialog *Export browser data to MS Excel*.



In this dialog you can select the output MS Excel and decide whether you want the titles exported or not. This is similar to the way you export an entire table.

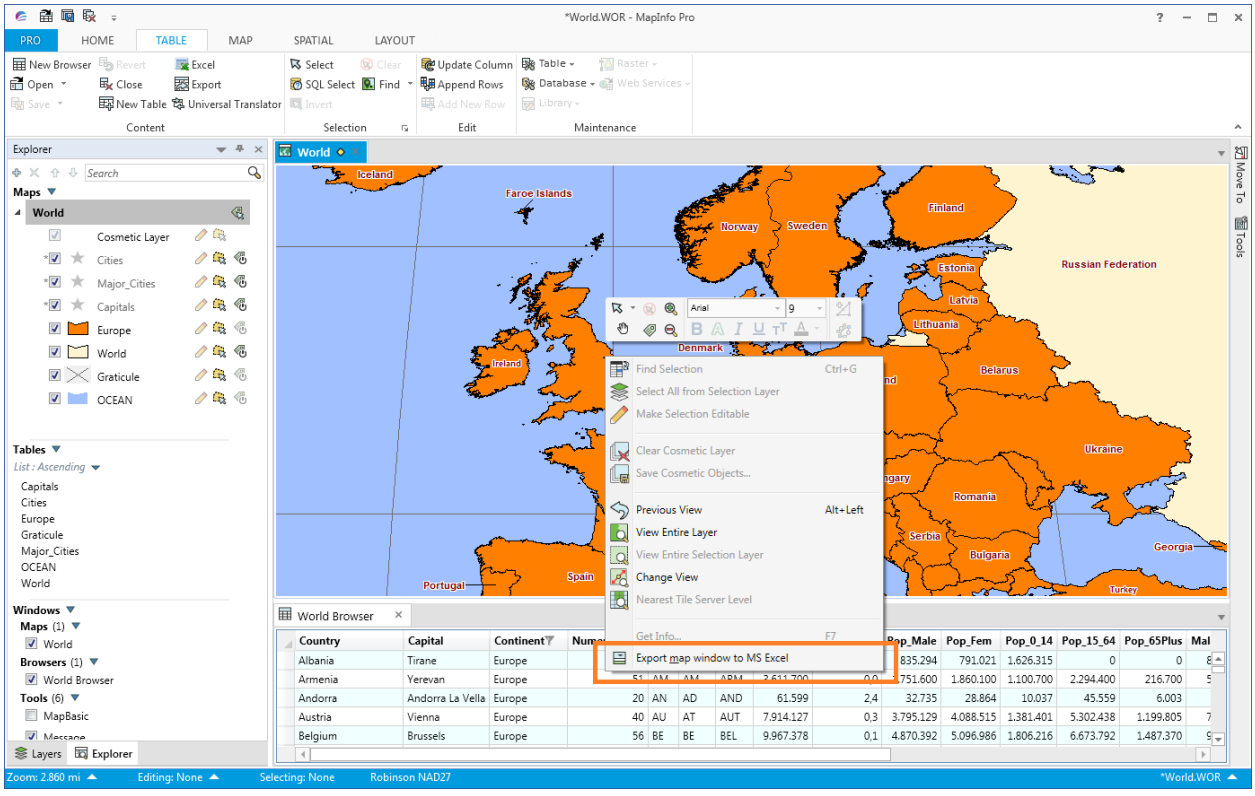
In this case however, you'll only export the current data in the browser.

Export map window to MS Excel

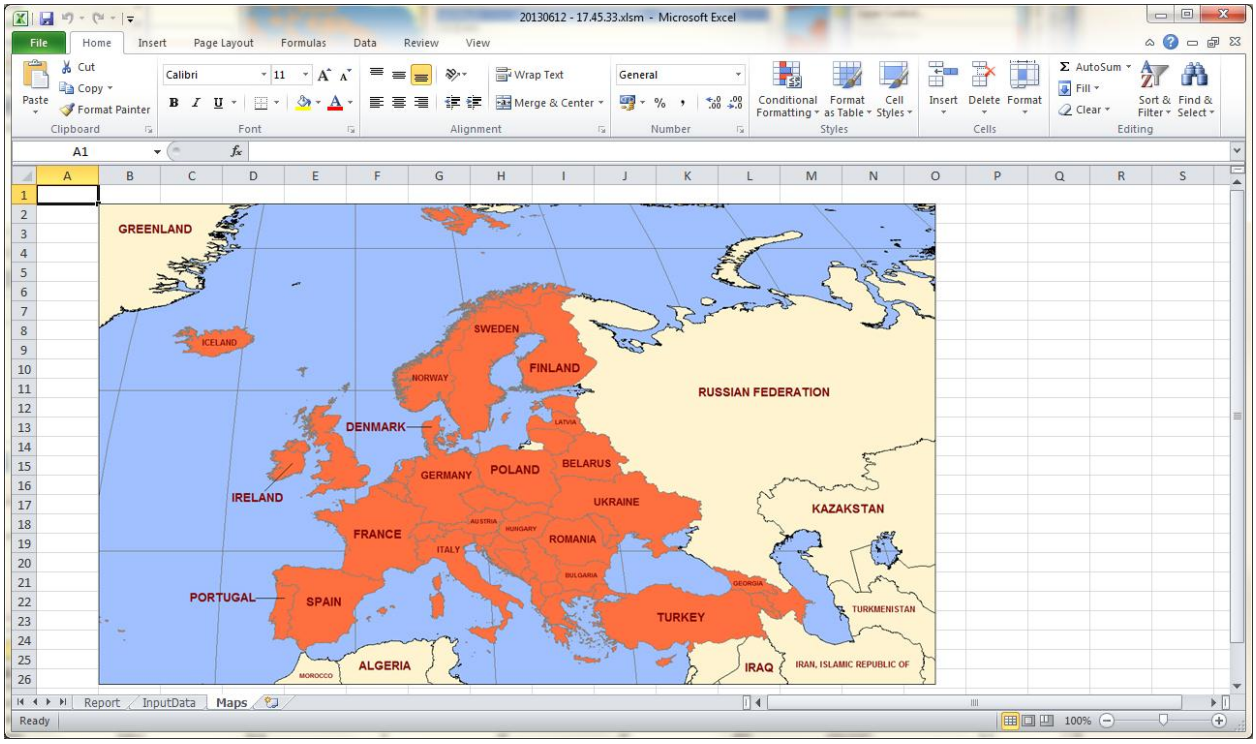
When you have exported either an entire table or the data from a browser window, you'll also be able to export a map window as an image to the same MS Excel file.

This feature is available in:

- *MAP* tab > *Analyze* > *Export map window to MS Excel*
- Map window, context menu > *Export map window to MS Excel*

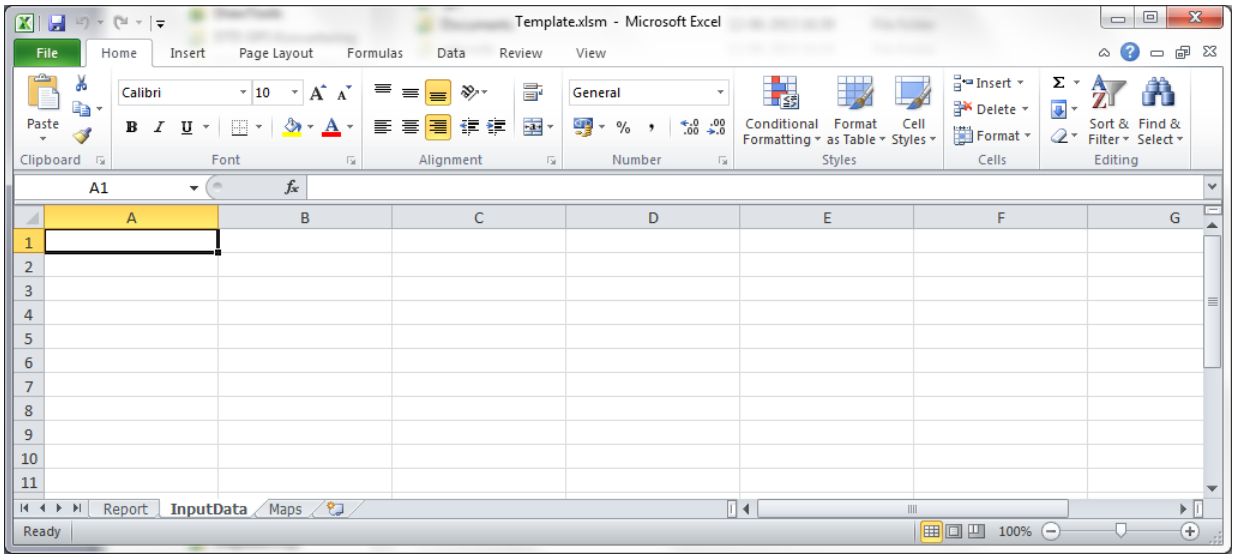


The currently active map window will get exported into the Maps worksheet in the latest created MS Excel file.



The MS Excel template file

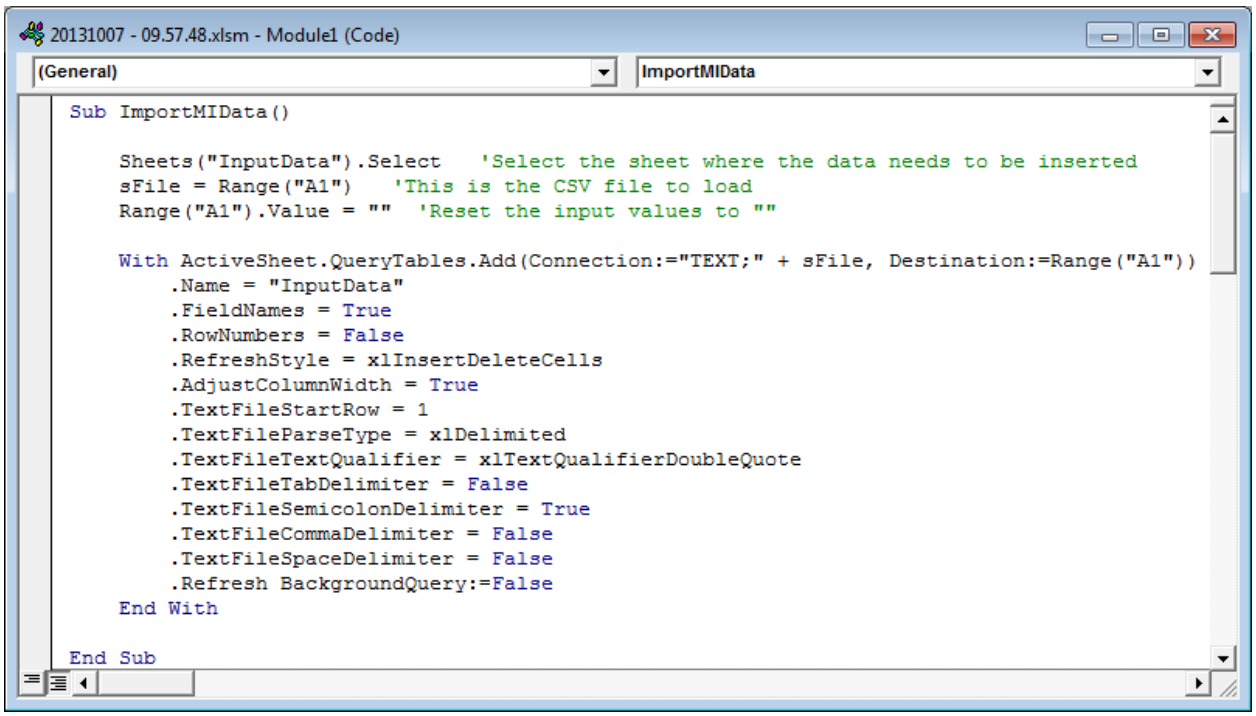
MapInfo2Excel comes with a MS Excel template file called MapInfo2Excel. This file is located in the same folder as the application.



When you open this MS Excel file in MS Excel you will see that it has three tabs or worksheets:

- InputData: This is the worksheet where MapInfo2Excel will dump the chosen data into. It will start in the cell A1 and fill the necessary cells depeding on the number of rows and the number of columns.

  The data will not be formatted in any way in this sheet. If you want to format the data in a certain way, make it look like a report, you should use another worksheet, for example the worksheet Report to read the values from the InputData worksheet and show it in a certain way, with a specific font, colour and size.



MapInfo2Excel creates a temporary file in your Windows Temp folder, adds the name of the file to cell A1 in the InputData sheet.

Then the macro ImportMIData I called and the data from the temporary file is loaded into the InputData sheet, starting in cell A1.

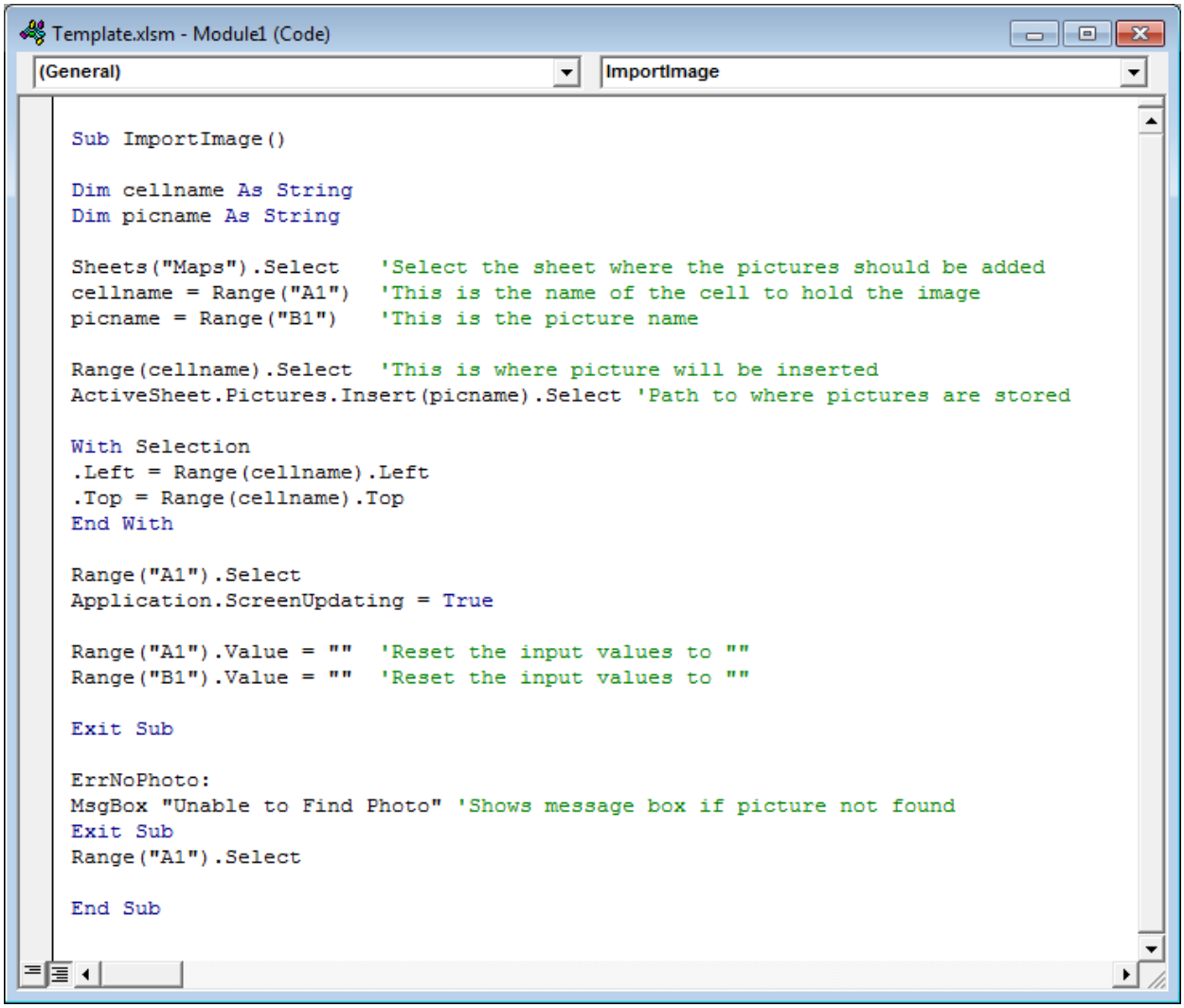
- Report: The report worksheet, as mentioned, above can be used to modify the formatting of the data that has been copied from MapInfo Professional to the MS Excel file.

  As the data always will be copied into the same cells (from A1 and onwards) the Report worksheet could reference these cells and just show whatever data has been copied over.

  If you always use the same table structure when copying the data to MS Excel you'll also know the number of columns and where this data gets inserted in the InputData worksheet.

  In this case you'll more precisely know where which data is moved to and this gives you a better chance of formatting the result in an appropriate way.

- Maps: The Maps worksheet is used when you want to copy a map window into your MS Excel file.



MapInfo2Excel creates an image in the folder where you have created the new MS Excel file using MapInfo2Excel. It then adds some information about this file to two cells (A1 and B1) about this file.

After this it calls the ImportImage macro in the
MS Excel file and this macro will import the image into the designated cell.

So the MS Excel template file can be modified in a number of ways by you. Just make sure that the names of the worksheets and the name of the macro doesn't change.

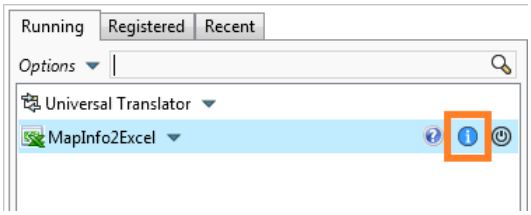
Languages

MapInfo2Excel now allows the user to switch between a number of languages.

The number of languages can be extended by the user himself, see further down.

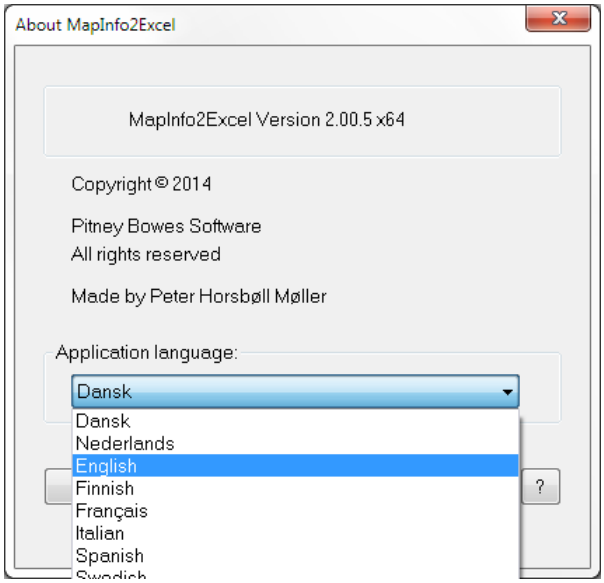
Switching language

To switch language you simple go to the Tool window and locate MapInfo2Excel in the list. Now click on the Info icon.



In the About dialog you can see the available languages in the dropdown list.

You can pick any of the available languages.



When you lick a different languages, do note that the language used will not change in the menus until you restart MapInfo2Excel.

Adding your own language

You can add you own language if you like simply by creating a copy of one of the existing language files (*.str) that you can see in the folder where you installed MapInfo2Excel.

You can name your language file whatever you want. I would recommend that you name it like the name of the language, German.str, Greek.str and so on.

Now open the new language file in a text editor and translate the existing strings.

```
[ADMIN]
LANGUAGE=English

[STRINGS]
1="Export &table to MS Excel..."
2="Export current &browser data to MS Excel..."
3="Export &map window to MS Excel"
4="&Rate the application at Community Downloads"
5="&End program"
6="&About..."

7="Please open one or more native tables!"
8="Export table to MS Excel"
9="Select table to export"
```

Make sure that you also change the name of the language in the top of the language file.

Save the changes and restart MapInfo2Excel. The new language will now be available in the about box.

Known issues

Large datasets

Exporting a large table with thousands of records will take some time.

With version 1.5 we have however improved this. Exporting around 70 000 records now only takes just around 20 seconds.

Empty Date, Time and DataTime fields

When exporting columns of type Date, Time or Date/Time fields that have no value assigned will appear with a value of "F" in the MS Excel file.

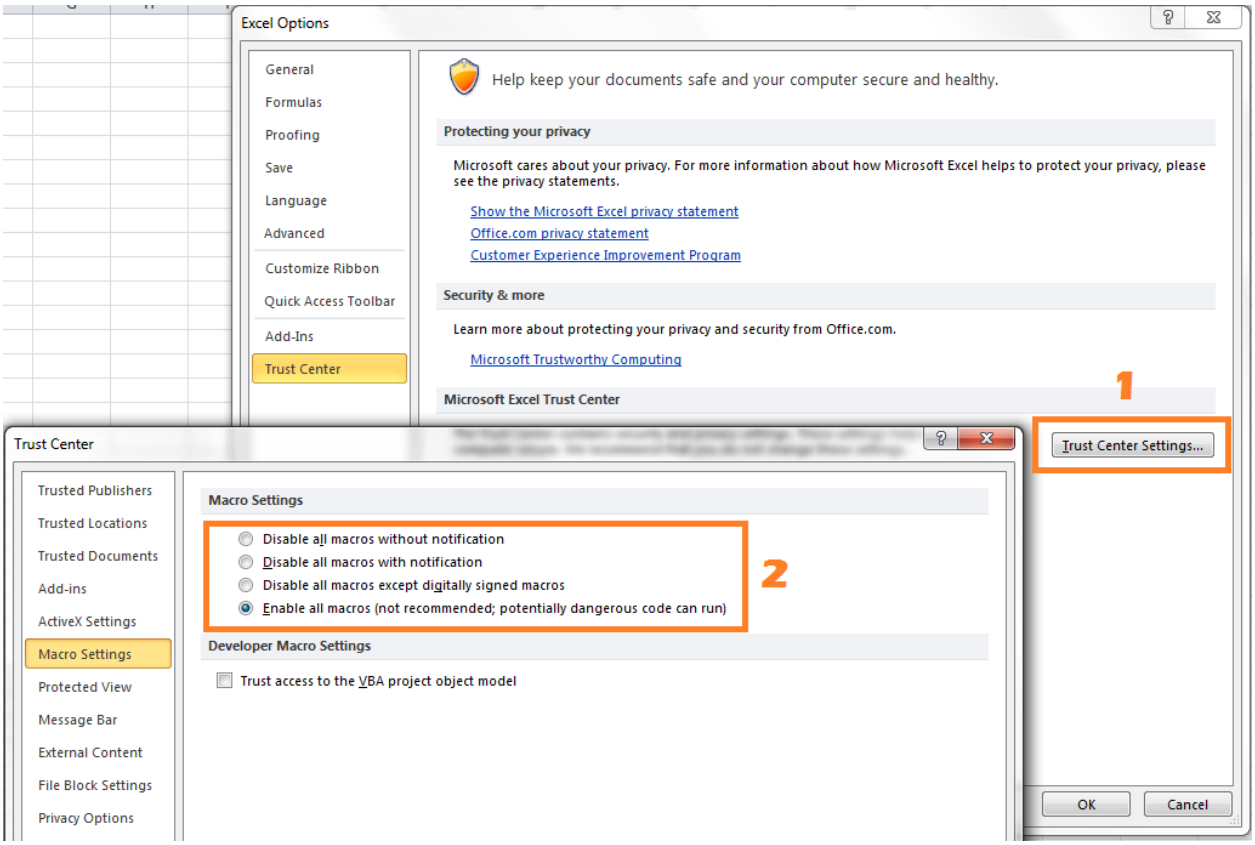
MapInfo Professional also complains about the missing data, but MapInfo2Excel suppresses the error and only shows it in the Message window

Excel Security Settings

As the MS Excel template contains some macros that must be able to be run, you'll need to allow MS Excel to enable macros.

In MS Excel 2010 go to *File* > *Options*. On the *Trust Center* option click the *Trust Center Settings…* button.

Then select *Enable All Macros* on the *Macro Settings* option.



New line feeds

If your character columns contain new line feed characters, this will affect the result in the CSV file created by MapInfo2Excel as the new line feed character will result in a new line in the CSV file.

In the final Excel file the data after the record/column will the new line feed character, will be moved to a new row.