Version 3.03
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Food and Agriculture Organization of the United Nations

Version 3.03

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1.1. What is FishStatJ

FishStatJ is a desktop application to disseminate statistical data to users; in particular FAO Fishery Statistical data.

It started in the early 1990's, with the first release of FishStatPlus which was designed to run on DOS; used to disseminate Fishery statistical datasets for download and on CD-ROM. At the CWP (Coordinating Working Party on Fishery Statistics) meeting in 2005 the limitations of the DOS-based FishStatPlus were discussed (details: http://www.fao.org/fishery/topic/18238/en).

With the release of Windows Vista; it was clear that an upgrade was needed, and development of the next generation FishStatJ started in 2008. The name FishStatJ was selected, because FishStatJ is developed using Java technology. At the 23rd CWP meeting (2010) the prototype of FishStatJ was endorsed for full development; and the first release of FishStatJ was delivered in 2011.

FishStatJ was designed to improve on the features of FishStatPlus:

- All Fishery reference data is available (all FAO code lists with all attributes)
- All hierarchies are available (for view, and for filtering/aggregation)
- Graphing and charting functions of FishStatPlus are included
- Calculated columns of FishStatPlus are included
- The software is cross-platform (Windows, Macintosh, LINUX)
- Data (workspaces) of dimensions can be defined as needed (flexible)
- Any data with fixed dimensions and yearly resolution can be loaded

For the creation of workspace files (database files); a separate software called FishStatJ Console was developed.

In order to use the statistical data, the user has **to download and install the FishStatJ application** on his computer (more details follow).

1.2. Installing on Windows

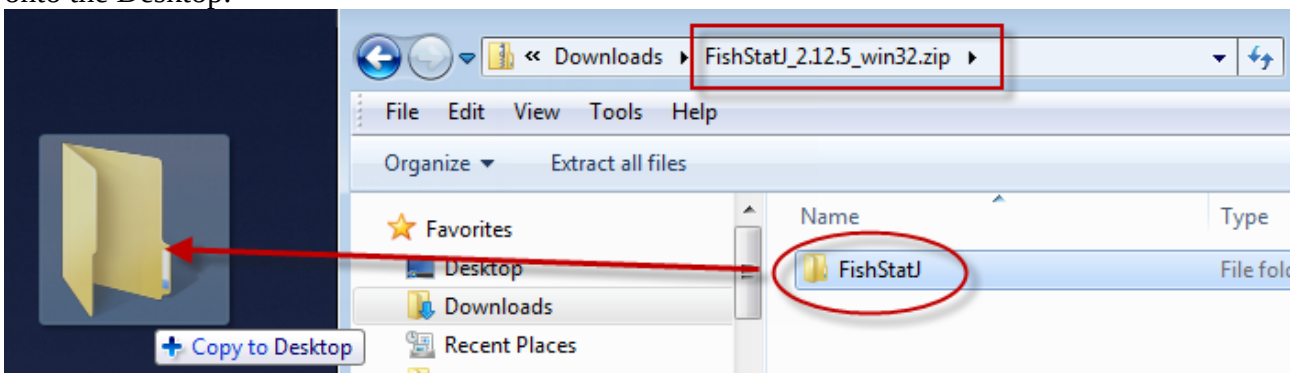
Download the Windows application http://www.fao.org/fishery/statistics/software/fishstatj/en.

FishStatJ runs on Windows 7, 8 and 10 (64-bit only). It requires Java 8 to be installed on the computer http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html (the Installer is called **Windows x64 Offline**). FishStatJ requires at least 4GB of RAM.

To install on Windows, the ZIP-download **must be extracted** into a directory where the user has update permissions. We recommend to unzip the program to the C-disk (C:\FishStatJ) or leave the unzipped FishStatJ folder on the Desktop.

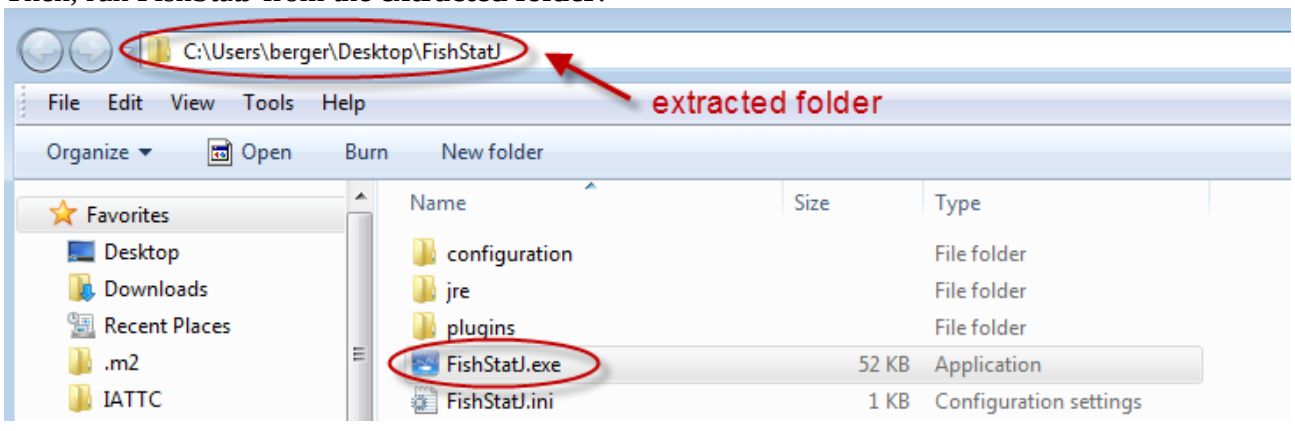
It is very important when extracting to maintain the zipped file structure; with all the required FishStatJ subdirectories!

The first step is to extract (copy) the content of ZIP file into the root folder of the C: disk, or extract onto the Desktop:



Note: To extract files into C:\ProgramFiles\ requires Administrator permissions.

Then, run FishStatJ from the **extracted folder**:

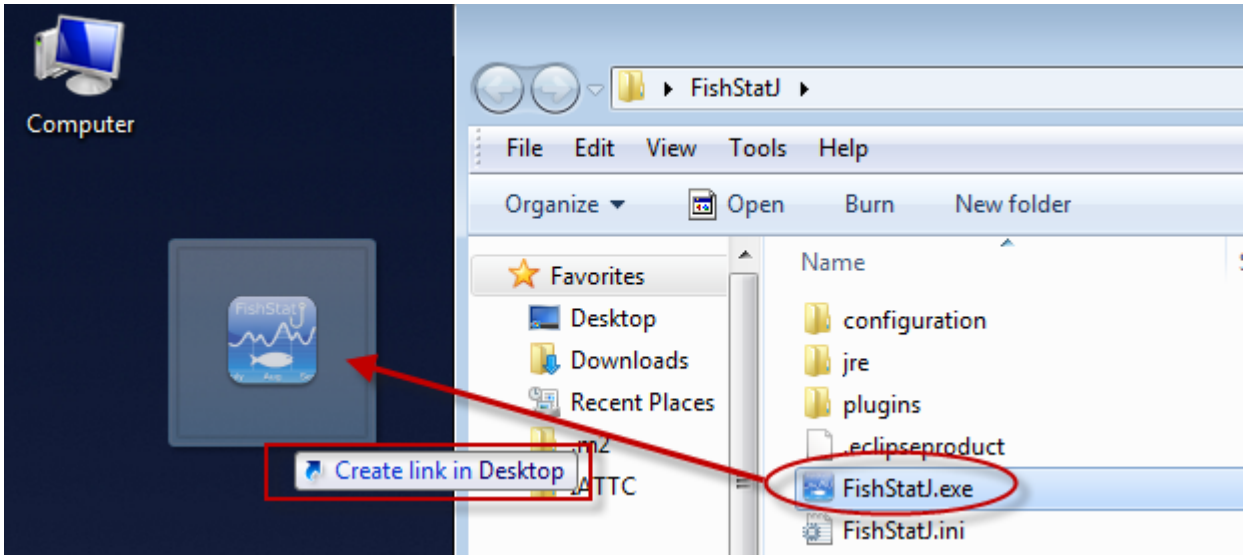


The next step after expanding the application ZIP file is to download workspaces; please refer to "Browse Workspace …" in chapter 2.1.

If you cannot run 64-bit applications, you can continue to use FishStatJ 3.02. Contact us (refer to chapter 8.6) if you wish to download this version.

Create a shortcut on the Desktop

To create a shortcut on the Desktop, select FishStatJ.exe and drag it onto the Desktop while holding the [CTRL] and [SHIFT] keys (when simultaneously holding down both keys the mouse pointer changes into shortcut arrow):



Applications can be added to the task-bar (usually on the bottom of the screen); by right-clicking on the icon in the task-bar while the application is running: select “Pin this program to taskbar”.

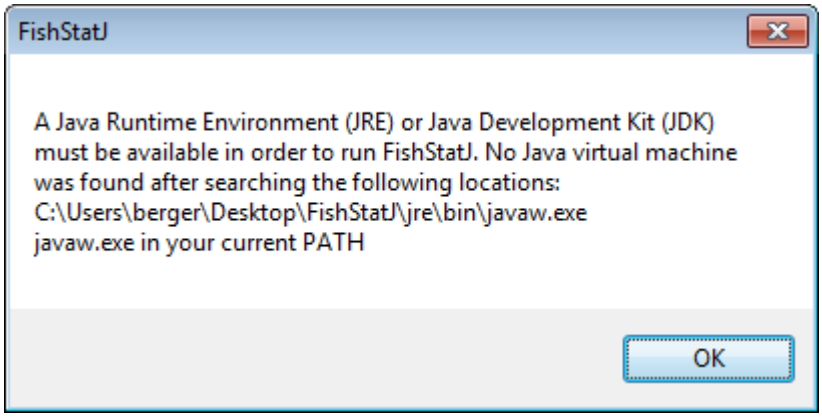
1.2.1 Windows troubleshooting (companion library)

If you receive the message: “The FishStatJ executable launcher was unable to locate its companion shared library”, this happens when FishStatJ was run from inside the ZIP file; the solution is to extract the ZIP file content as described above.

1.2.2 Windows troubleshooting (Java tips)

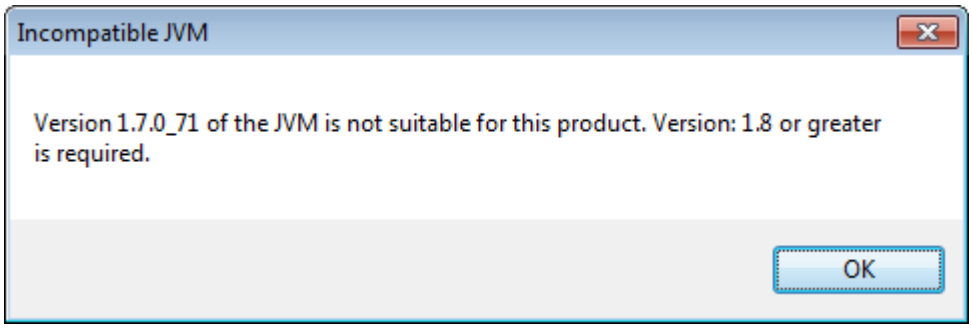
- You can download the Version 1.8 JRE from the URL in chapter 1.2 Installing on Windows.
- To un-install a previous version of Java, follow these instructions: https://www.java.com/en/download/help/uninstall_java.xml.
- For troubleshooting the Java version, check that the JRE was added to the PATH, and that the JAVA_HOME environment variable is pointing to the JRE installed. One can verify these settings, by running the command “`java -version`” from a DOS window.

1.2.3 Windows troubleshooting (No Java Environment available)



The solution is to install Java JRE (refer to Java tips above)

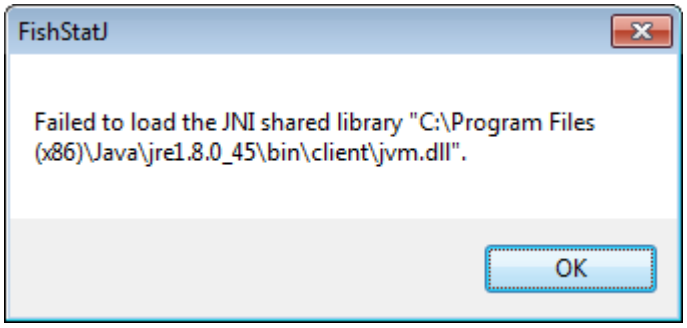
1.2.4 Windows troubleshooting (Wrong version Java)



To have the correct version activated, we suggest to un-install the older Java JRE, then re-install Java 1.8 JRE (refer to Java tips above).

1.2.5 Windows troubleshooting (failed to load jvm.dll)

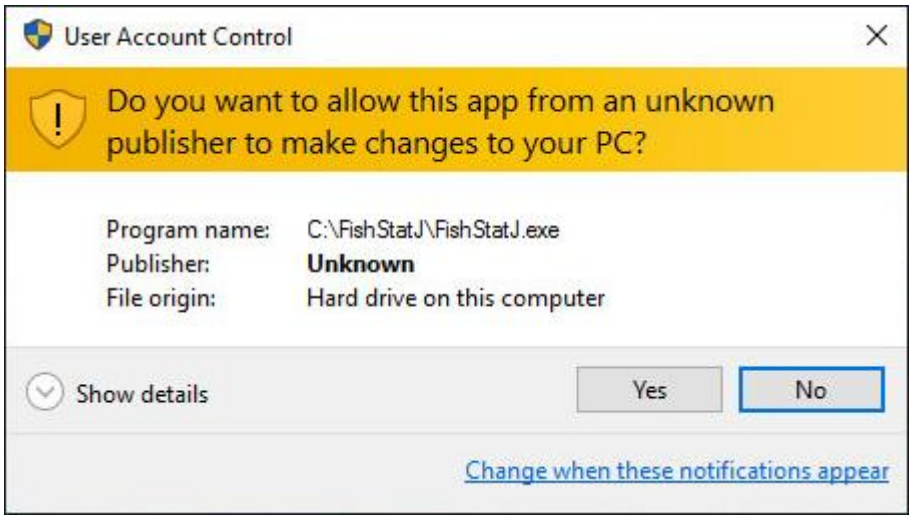
If you receive the message: "Failed to load JNI shared library vml.dll"; the Java run-time installed and activated is 32-bit; FishStatJ requires 64-bit Java run-time.



The solution is to install JRE 1.8 64-bit (refer to Java tips above); the 32-bit JRE can remain installed on the computer.

1.2.6 Windows 10 (allow unknown publisher)

When launching FishStatJ.exe on Windows10; a dialog appears informing the software is from an unknown publisher. Please select “Yes” to continue launching the application.

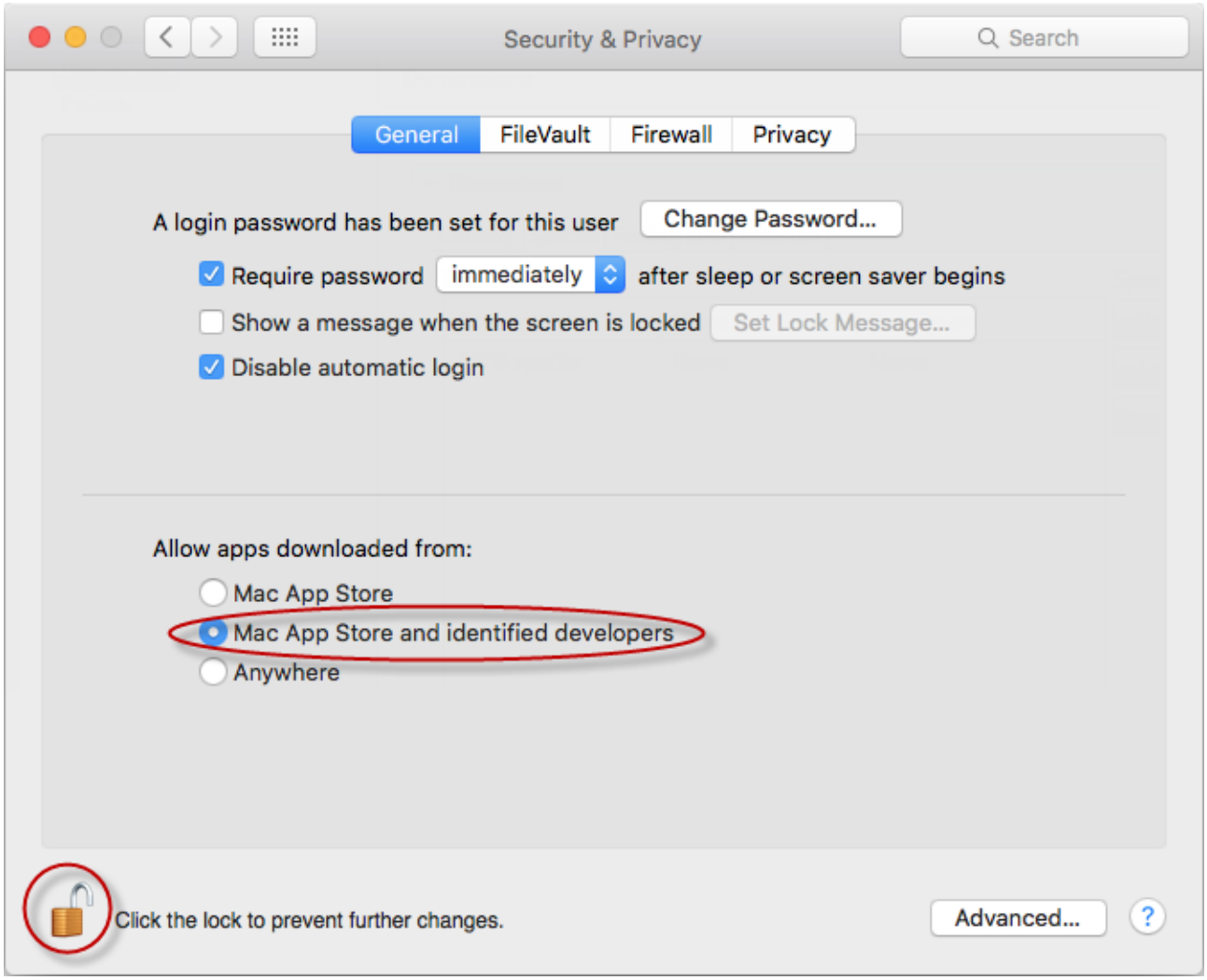


1.3. Installing on MacOS

Download the OSX application http://www.fao.org/fishery/statistics/software/fishstatj/en. After extracting, the FishStatJ application can be directly run from the Desktop, or moved to the Applications folder. It requires at least 4GB of RAM.

FishStatJ runs on OSX 10.9, 10.10 and 10.11. It requires Java 8 to be installed on the computer http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html.

As FishStatJ is an application which is downloaded from the FAO web-site; the OSX security needs to be adjusted in **System Preferences -> Security & Privacy** in order to allow applications from identified developers:



The next step is to download workspaces; please refer to “Browse Workspace …” in chapter 2.1.

1.3.1 MacOS troubleshooting:

If you receive the message: “Out of memory”, when you open a dataset, this happens when the Java Runtime was migrated from an older macOS version; and is not updated. You can check the Java version installed using Terminal “java –version”.

We recommend Java 1.8 (Java8); this is the version against which we test the application. We found that to update from Java 1.6, you need to install the JDK 1.8:
http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html

1.4. Workspaces (statistical data)

Workspace files carry the statistical data. While there is no limit how many workspaces can be installed on a computer, FishStatJ can only work with one workspace at a time.

A workspace can contain one or more datasets. For dissemination of data, workspaces are compressed into workspace files (.wks extension); they are downloaded automatically by FishStatJ.

We currently offers 4 different workspaces files, which contain the following datasets:

- The Global Production workspace which contains:
  - Global Production
  - Capture Production
  - Aquaculture Production
- The Regional workspace with contains:
  - CECAF (Eastern Central Atlantic)
  - GFCM (Mediterranean and Black Sea)
  - RECOFI capture production
  - SEATL Southeast Atlantic Capture Production
- The Food Balance workspace which contains:
  - Food Balance Sheet
  - Population data
- The Commodities workspace which contains:
  - Fisheries Commodities Production and Trade

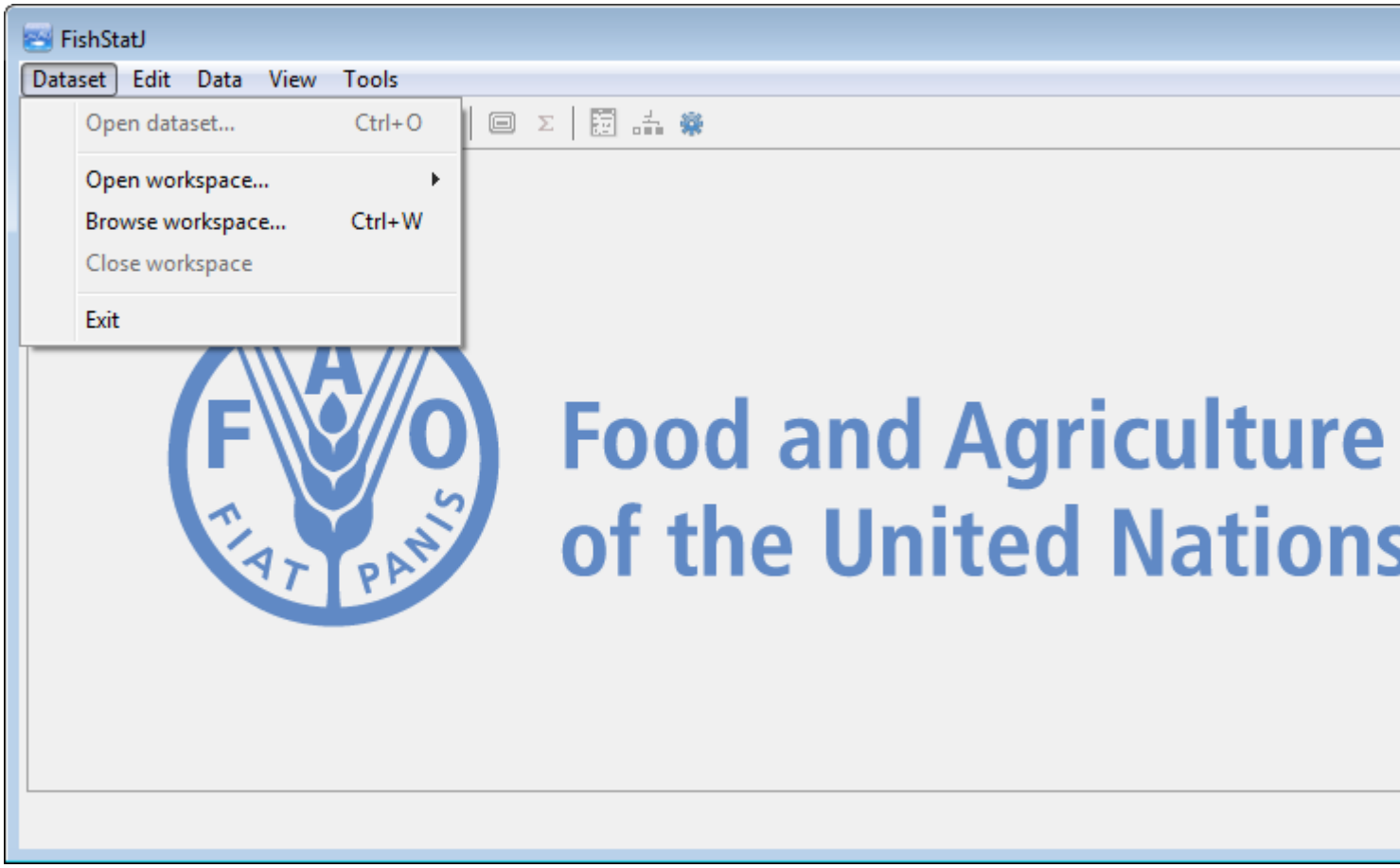
Please refer to *Browse workspace...* (below) for importing workspaces into FishStatJ.

2. Dataset Menu

2.1. Browse workspace...

The browse workspace menu allows to manage the workspaces:

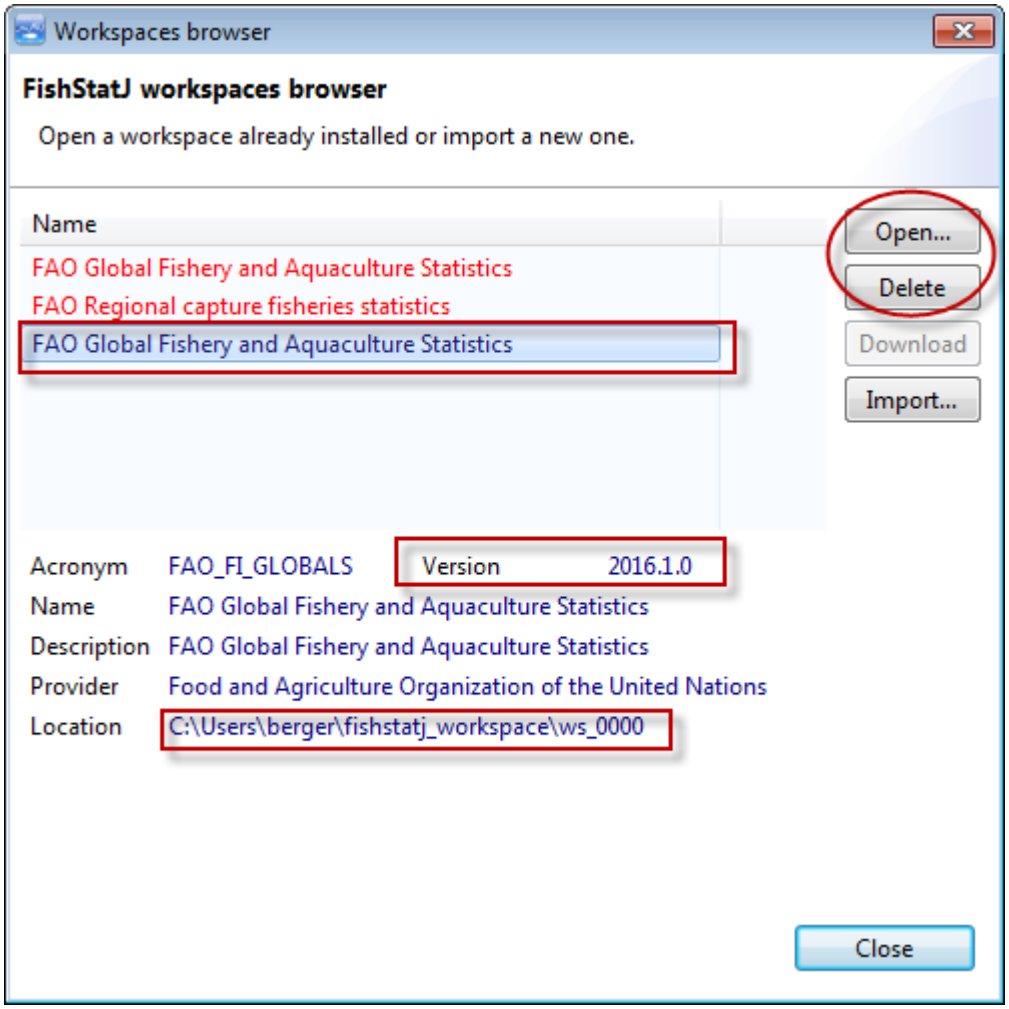
- Open workspaces already installed
- Download and install workspaces (from the FAO web-page)
- Delete workspaces installed on the computer



The workspace browser shows two kind of workspaces:

- Workspaces in red color, are not installed on the computer (also if there is a new version available)
- Workspaces in blue color are installed on the computer

Example of a workspace data version 2016.1.0 installed on the computer



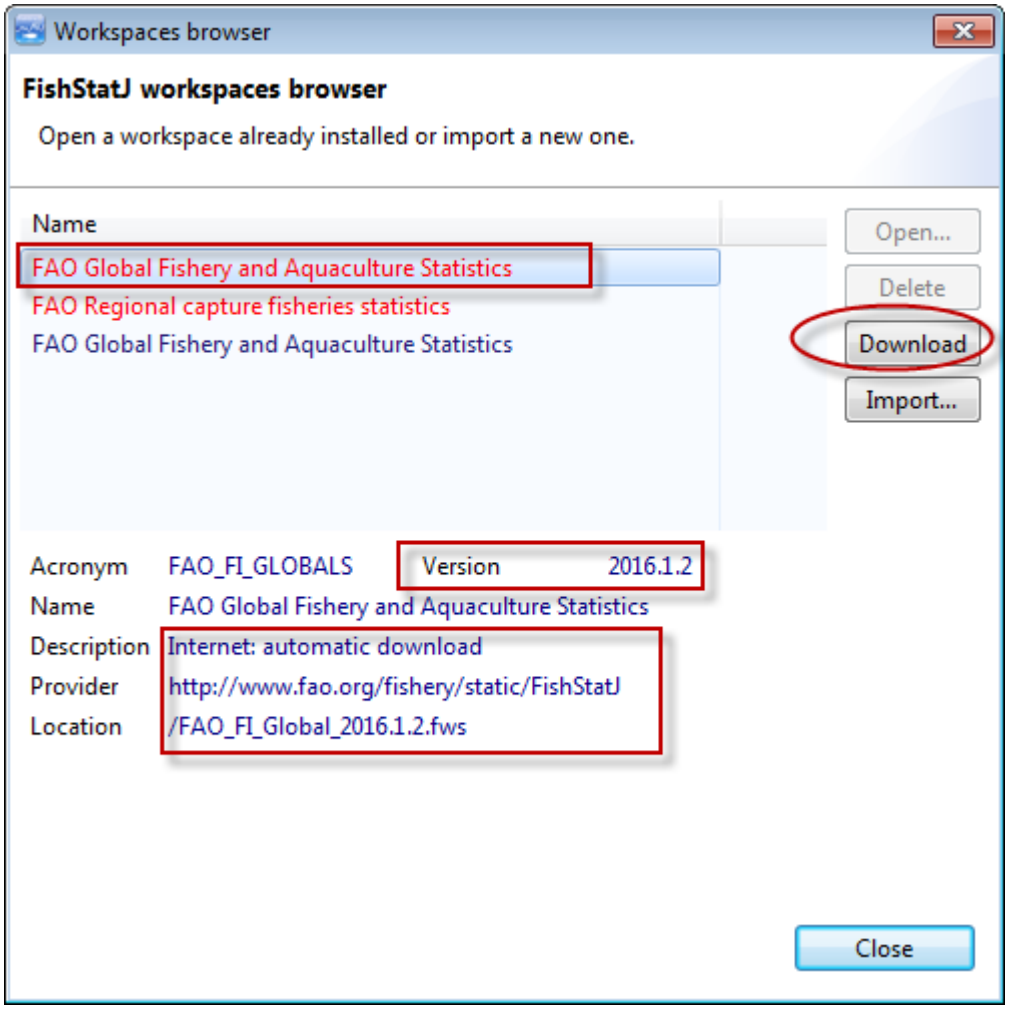
An installed workspace can be opened for viewing the data, or deleted (removed) from the computer.

Manually download workspaces can be imported using the Import button.

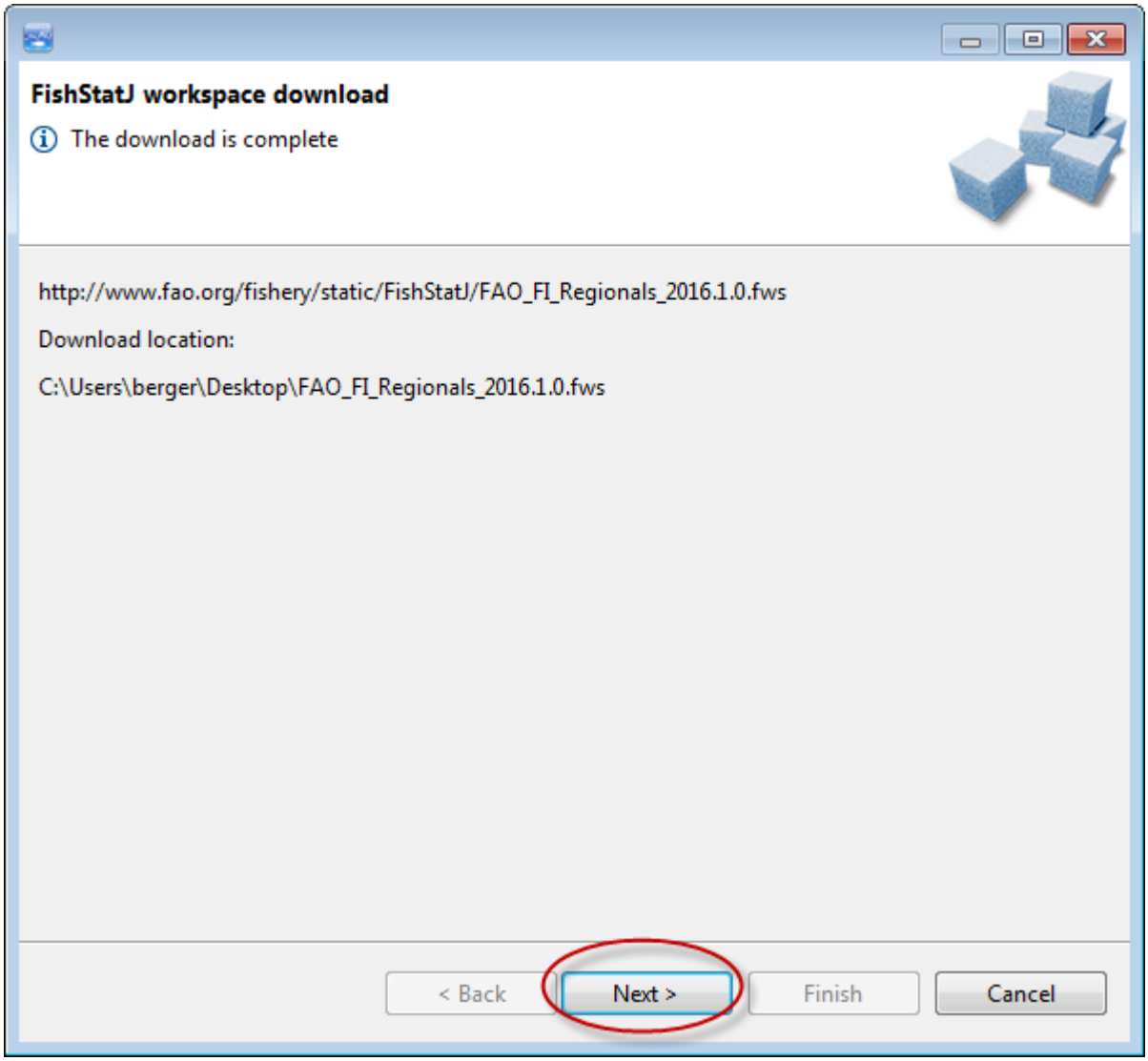
Workspaces already installed, are not be shown as available for download.

2.1.1 Installing a new workspace (download)

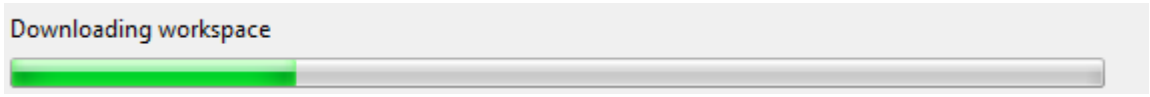
Example of a new updated version of an already installed workspace is available for download:

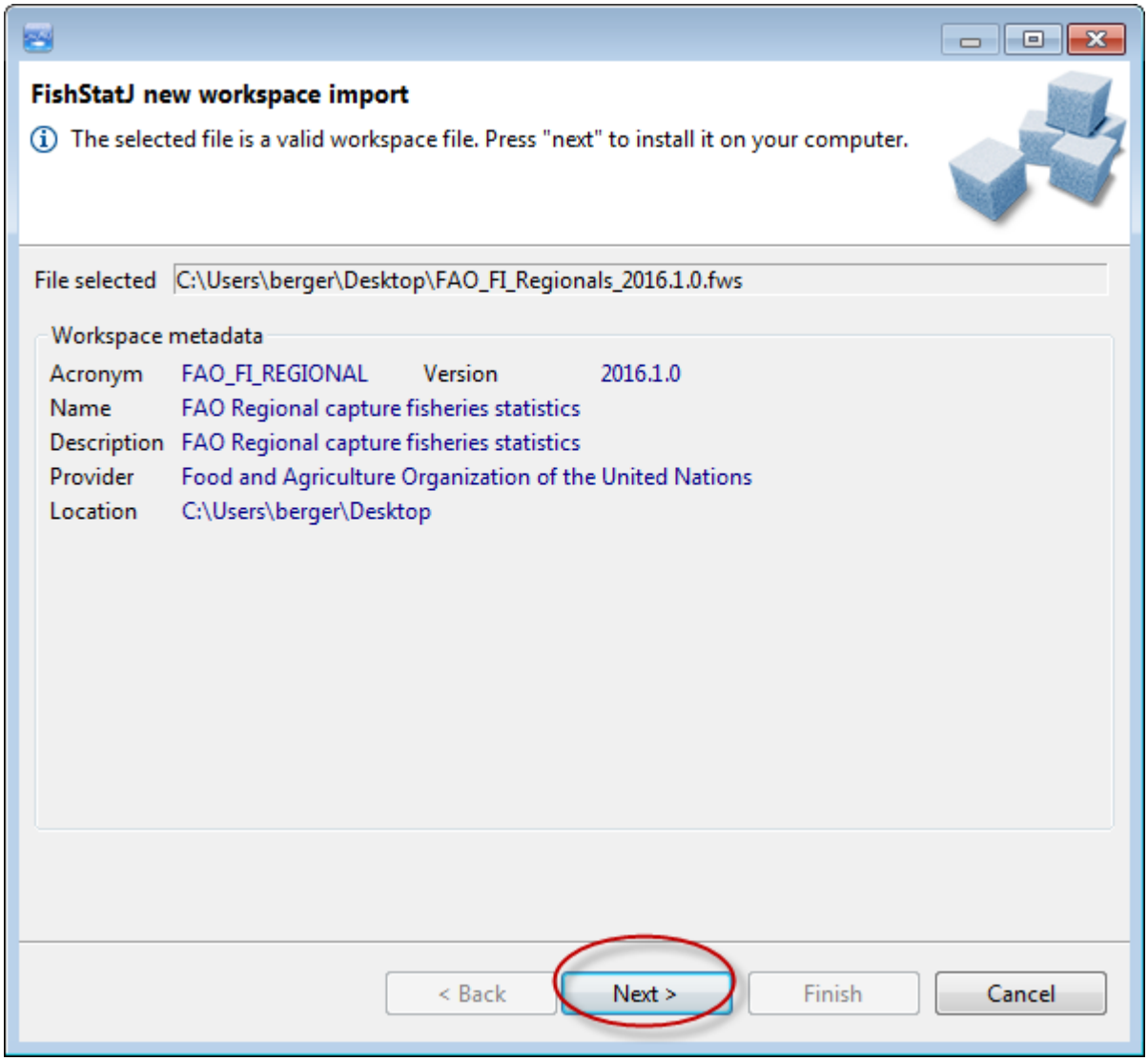


Clicking on the download button will open the workspace import wizard:

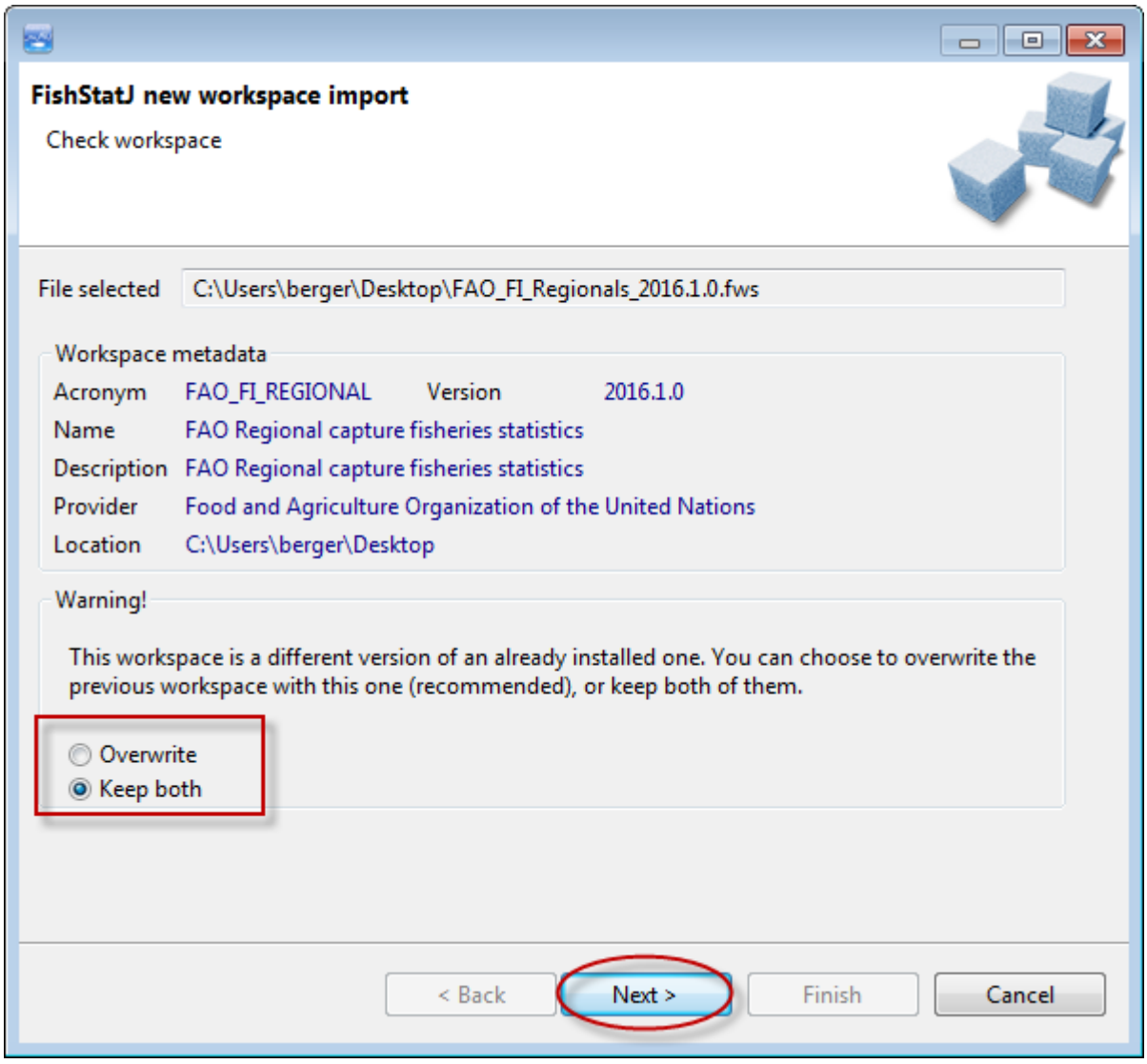


A progress bar appears during the download

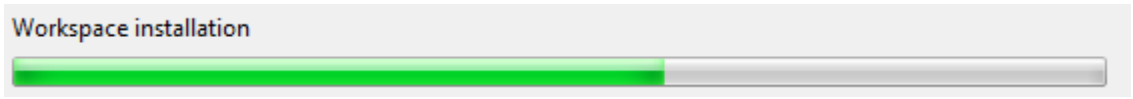



FishStatJ new workspace import
The selected file is a valid workspace file. Press "next" to install it on your computer.
File selected
C:\Users\berger\Desktop\FAO_FI_Regionals_2016.1.0.fws
Workspace metadata
Acronym
FAO_FI_REGIONAL
Version
2016.1.0
Name
FAO Regional capture fisheries statistics
Description
FAO Regional capture fisheries statistics
Provider
Food and Agriculture Organization of the United Nations
Location
C:\Users\berger\Desktop
< Back
Next >
Finish
Cancel

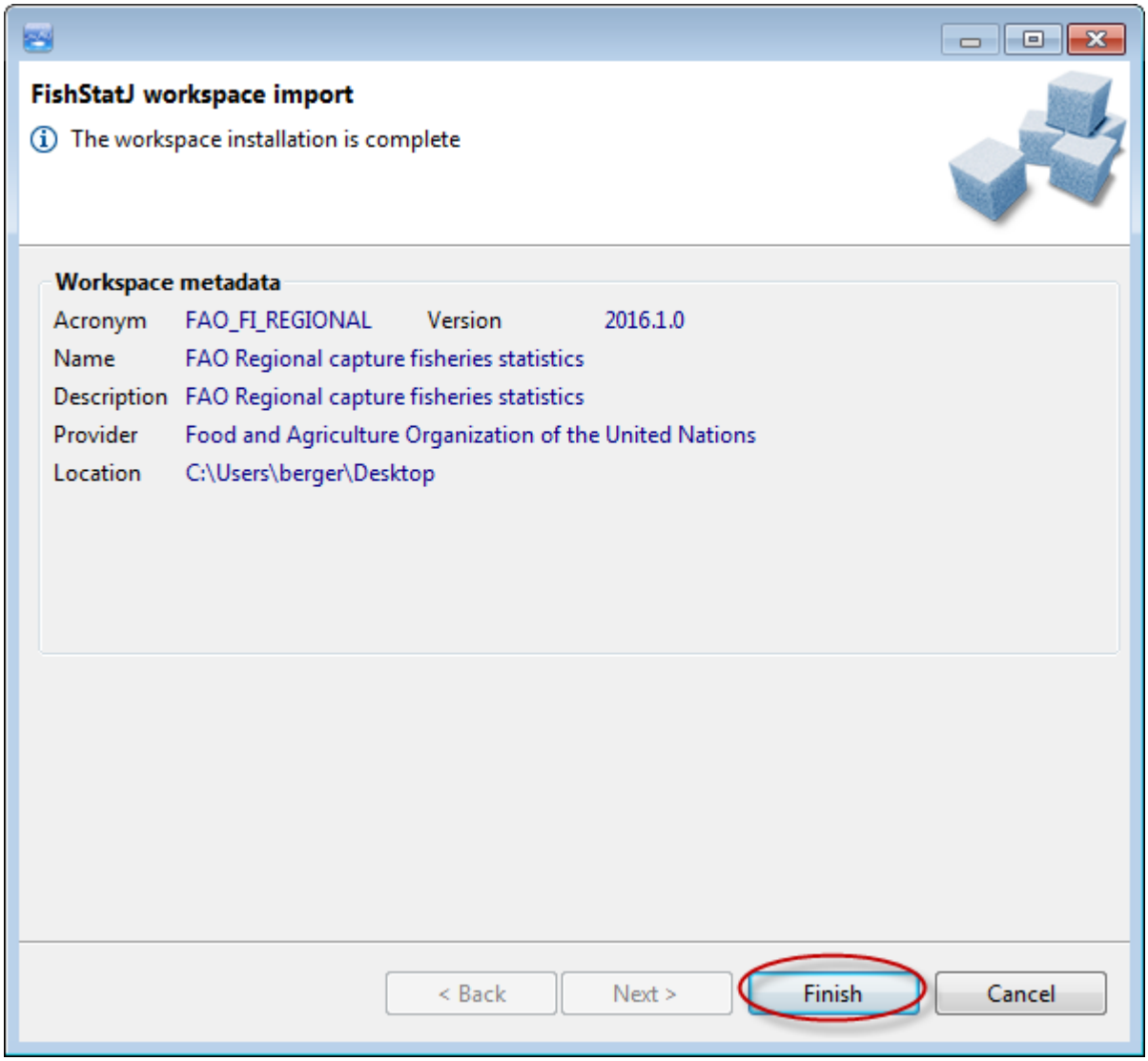
In case an older version of the data is already installed, FishStatJ will ask if the new version should overwrite the old version – or keep both (resulting in two versions of the same data installed).



During the workspace installation progress is shown:



When the installation is complete

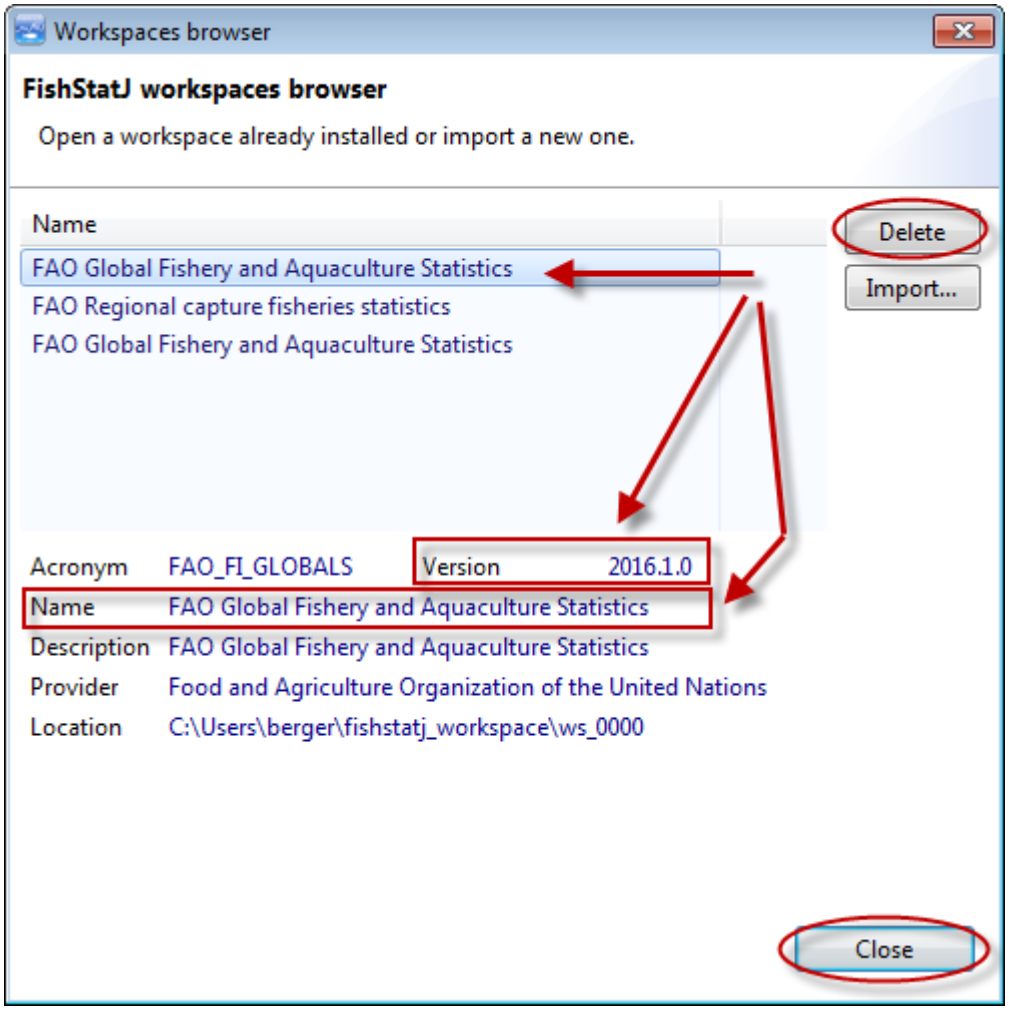


The workspace file which is downloaded on the Desktop can be deleted after importing.

After clicking on Finish, the workspace browser opens (refer to “Open dataset…”) below.

2.1.2 Browse workspace (delete)

This will show the workspace browser dialog; which allows you to manage the workspaces installed on your computer:



Selecting a workspace will show metadata for this particular workspace (Acronym, Version, Name, Description, Provider, and location on disk). The selected workspace is permanently removed from your computer when you click on the **Delete** button.

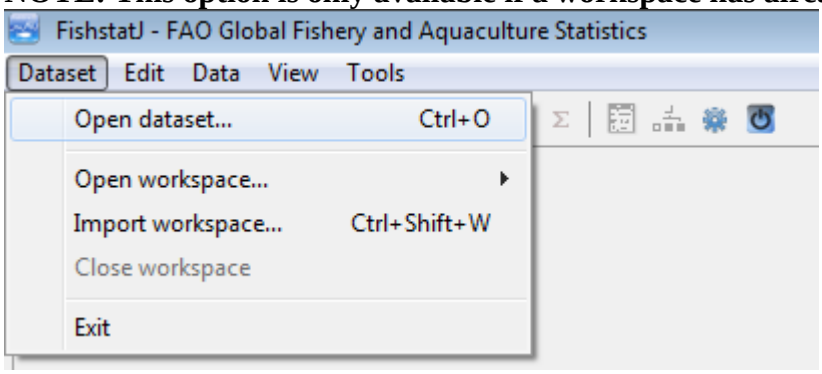
2.1.3 Browse workspace (import)

The “Import…” buttons allows to import manually downloaded workspaces.

Normally, workspaces are downloaded by FishStatJ, so there is no need to manually download a workspace file.

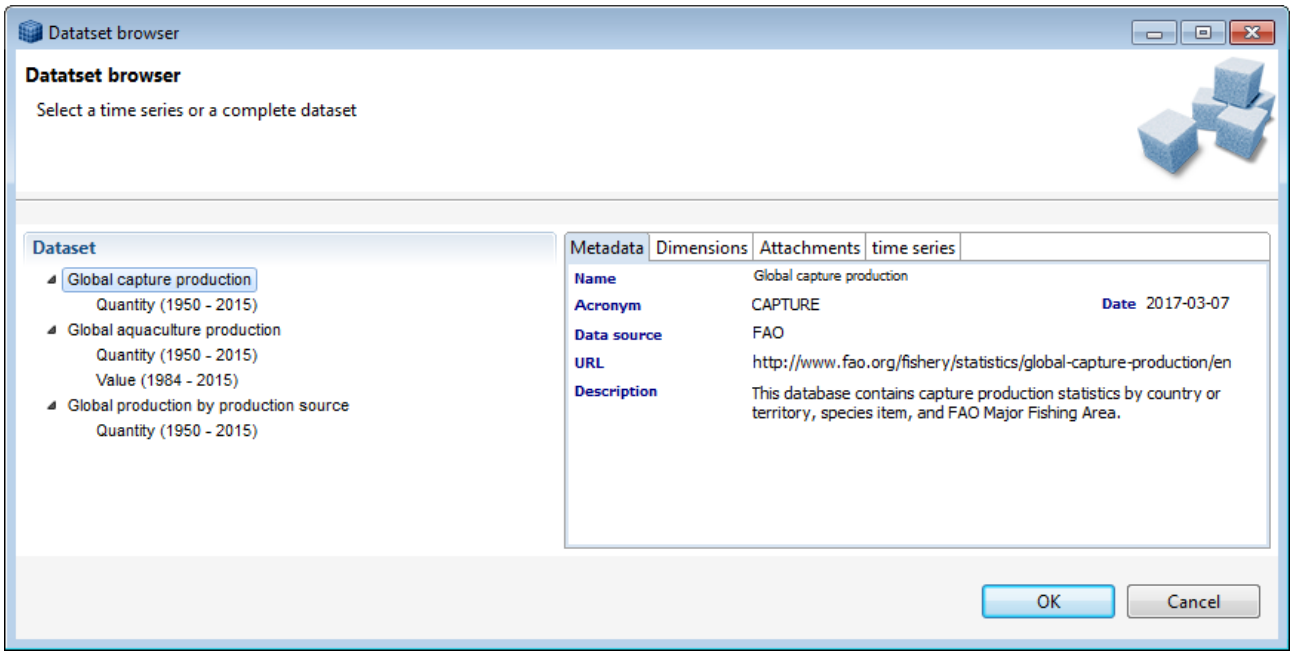
2.2. Open Dataset...

NOTE: This option is only available if a workspace has already been opened



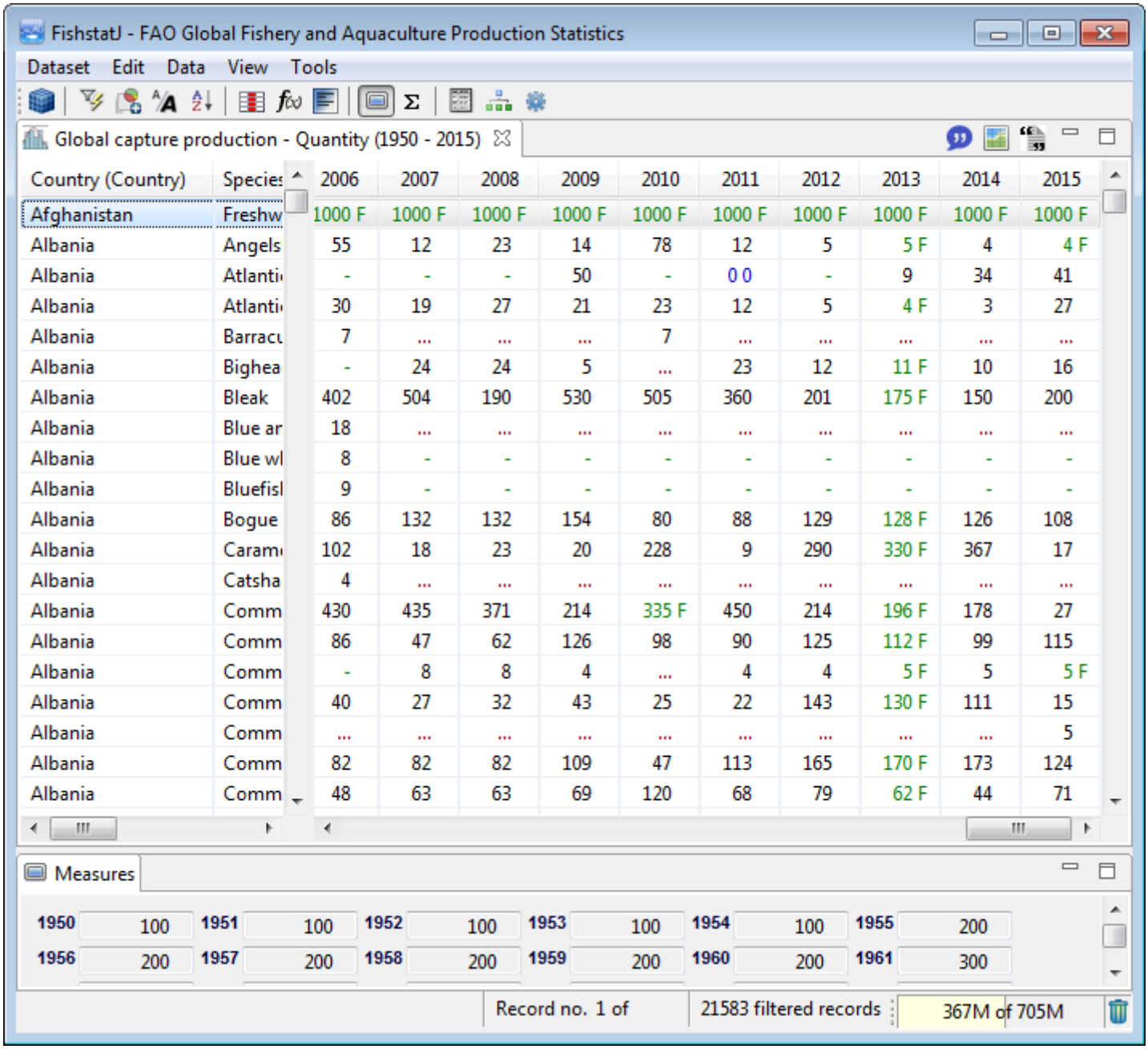
Selecting this option will present the **Dataset selection** popup window where datasets may be opened and brought into FishStatJ for viewing.

Once you have opened a dataset, the **Open workspace** menu is disabled (will disappear); until you **Close** the active workspace



Selecting a dataset with mouse clicks will present the relevant metadata. Select a dataset and click on the 'OK' button to open the dataset content.

When a dataset is opened, the screen looks like this:

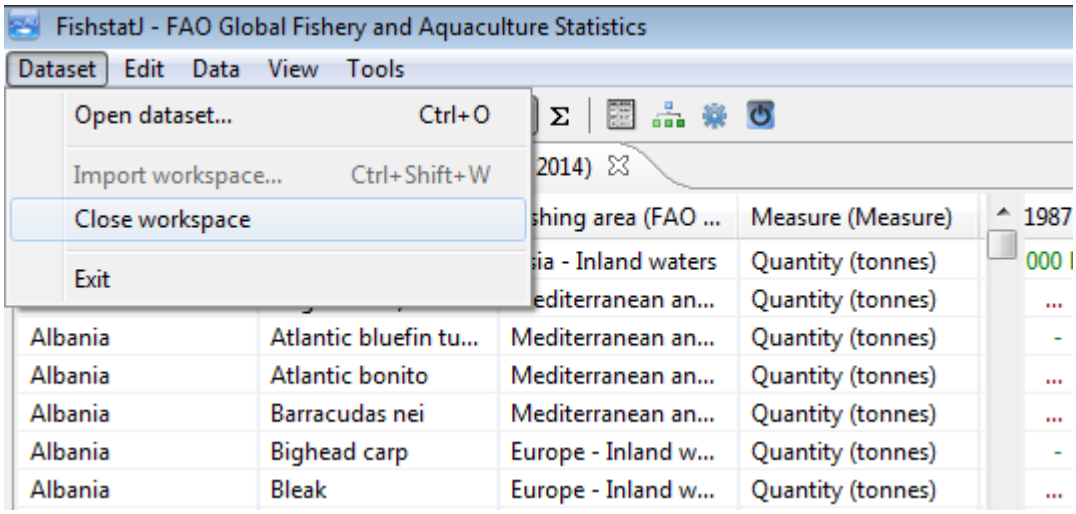


Country (Country)	Species	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Afghanistan	Freshw	1000 F	1000 F	1000 F	1000 F	1000 F	1000 F	1000 F	1000 F	1000 F	1000 F
Albania	Angels	55	12	23	14	78	12	5	5 F	4	4 F
Albania	Atlanti	-	-	-	50	-	0 0	-	9	34	41
Albania	Atlanti	30	19	27	21	23	12	5	4 F	3	27
Albania	Barracu	7	...	...	...	7	...	...	...	...	...
Albania	Bighea	-	24	24	5	...	23	12	11 F	10	16
Albania	Bleak	402	504	190	530	505	360	201	175 F	150	200
Albania	Blue ar	18	...	...	...	...	...	...	...	...	...
Albania	Blue wl	8	-	-	-	-	-	-	-	-	-
Albania	Bluefisl	9	-	-	-	-	-	-	-	-	-
Albania	Bogue	86	132	132	154	80	88	129	128 F	126	108
Albania	Caram	102	18	23	20	228	9	290	330 F	367	17
Albania	Catsha	4	...	...	...	...	...	...	...	...	...
Albania	Comm	430	435	371	214	335 F	450	214	196 F	178	27
Albania	Comm	86	47	62	126	98	90	125	112 F	99	115
Albania	Comm	-	8	8	4	...	4	4	5 F	5	5 F
Albania	Comm	40	27	32	43	25	22	143	130 F	111	15
Albania	Comm	...	...	...	...	...	...	...	...	...	5
Albania	Comm	82	82	82	109	47	113	165	170 F	173	124
Albania	Comm	48	63	63	69	120	68	79	62 F	44	71

1950	100	1951	100	1952	100	1953	100	1954	100	1955	200
1956	200	1957	200	1958	200	1959	200	1960	200	1961	300

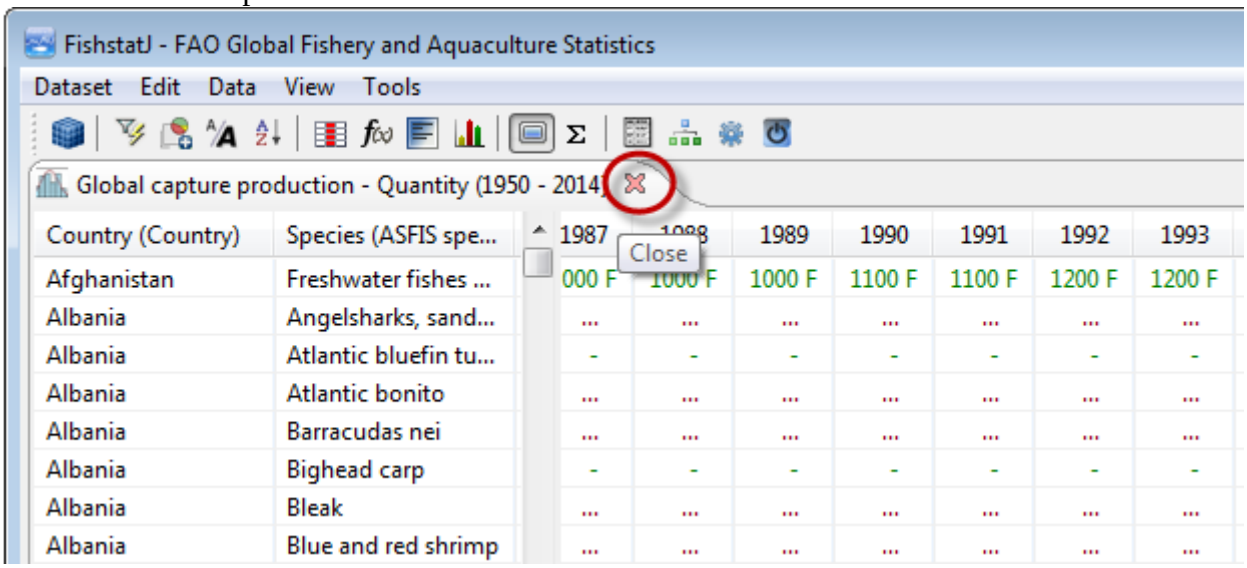
Highlighting a row (as shown above) will present the yearly data values below (as shown under the **Measures** tab)

2.3. Close workspace



Selecting this option will close the current workspace and all datasets and that are active within this workspace.

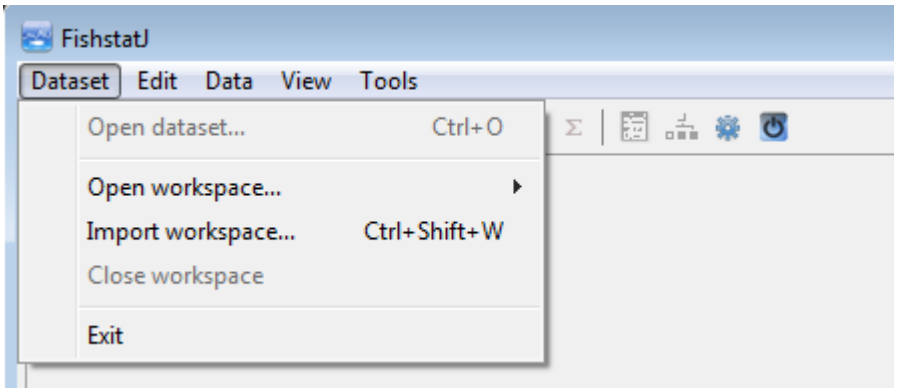
Note: Close workspace will record all active datasets, so they are automatically re-opened next time you launch FishStatJ. If you don't want a dataset to be recorded as open, just close it using the close box on the dataset panel:



Note: Filtering and Aggregation settings are also recorded for each dataset; and automatically re-applied when you launch FishStatJ next time.

If 'Save working session on exit' in the **Preferences** (submenu item under **Tools**) is selected, the datasets that were open when the Exit was selected will be automatically reloaded when FishStatJ restarts

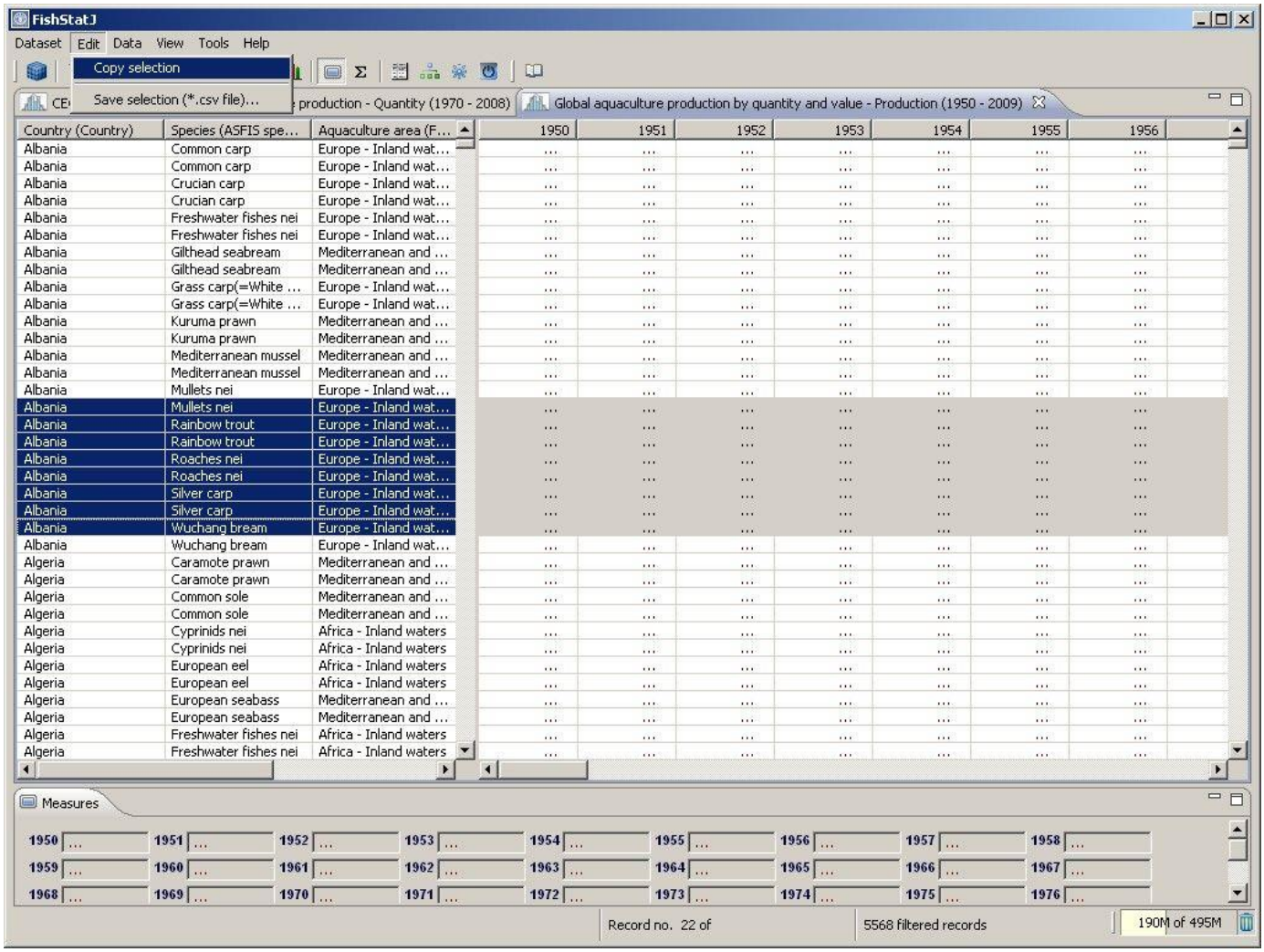
2.4. Exit



Selecting this option will exit the FishStatJ program.

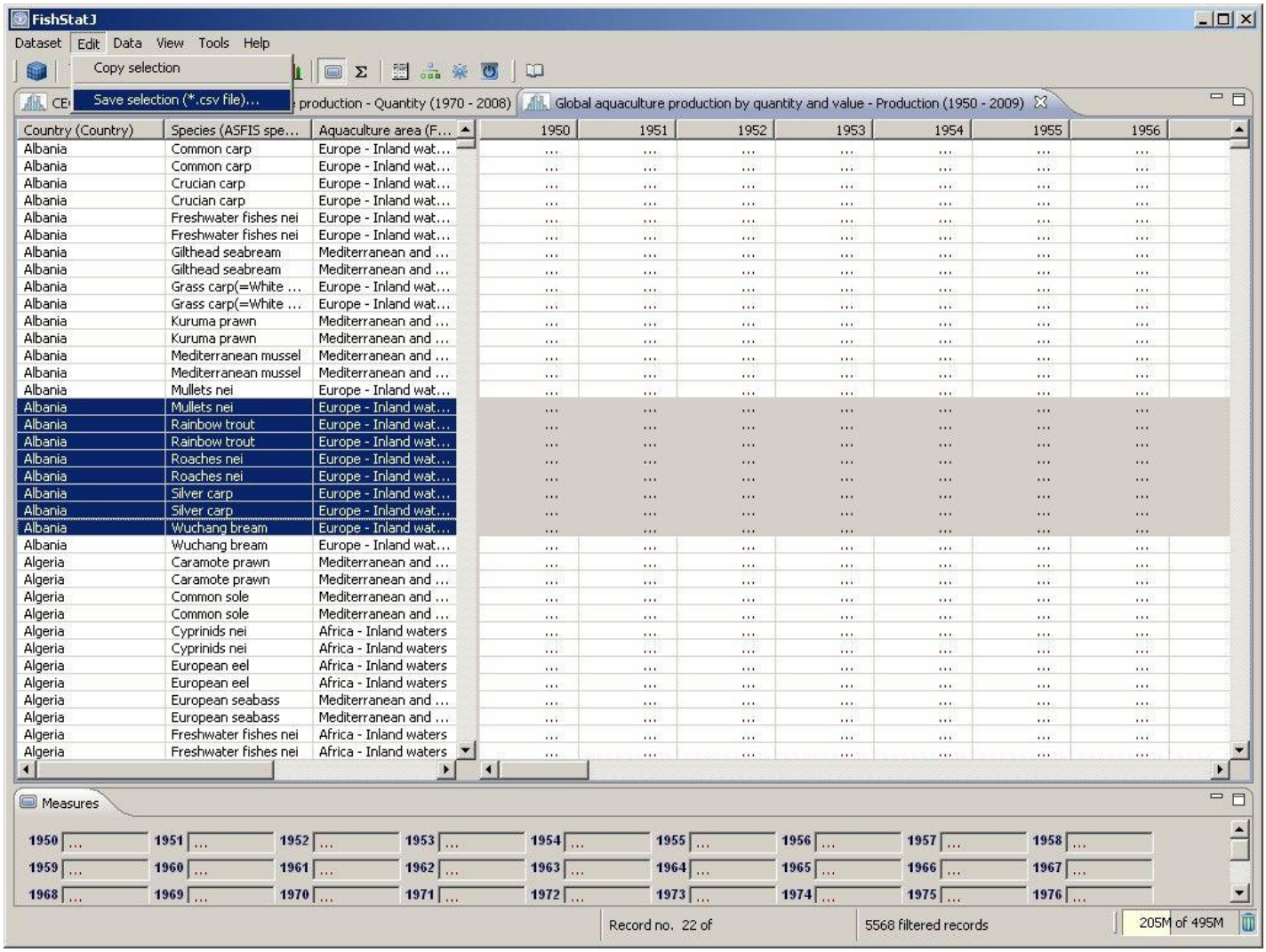
3. Edit Menu

3.1. Copy selection

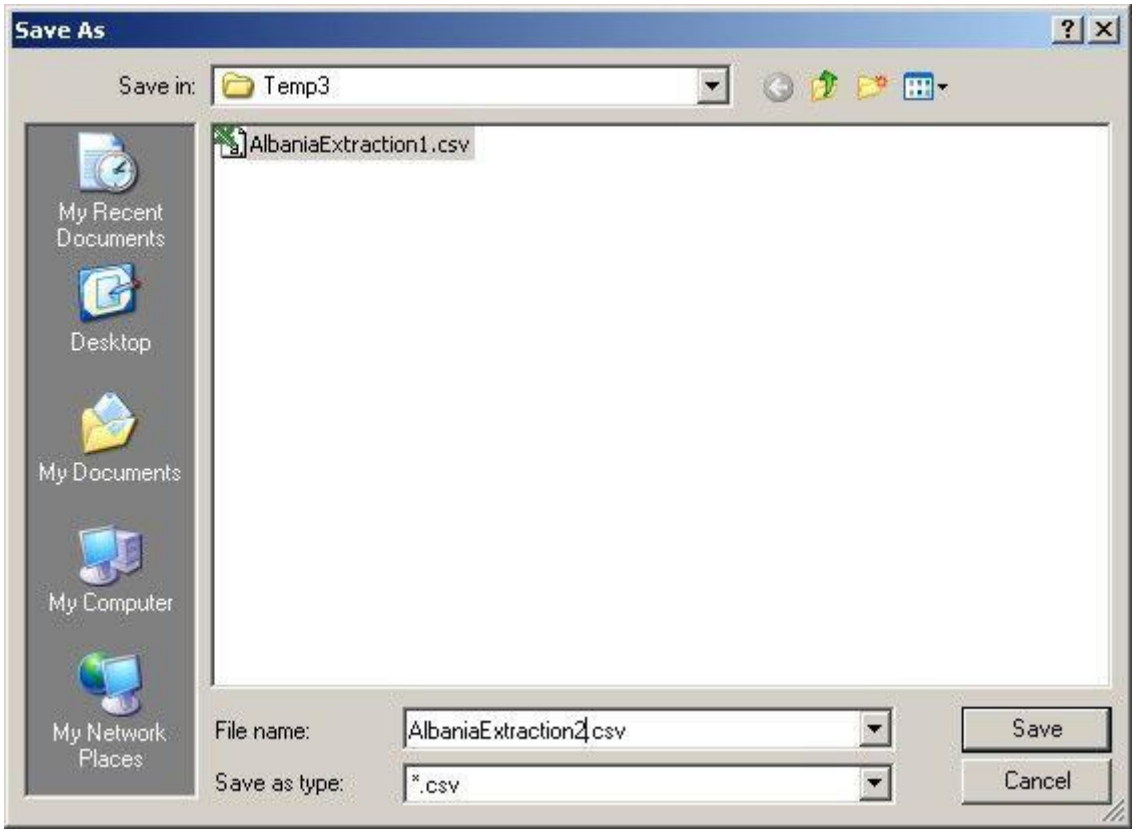


Selecting this option will copy all selected rows into the clipboard. When the copy of the selected records into the clipboard is complete, a confirmation message such as this will appear:

3.2. Save selection (*.csv file)...



Selecting this option will save all selected rows into a *.csv file. A 'Save as' pop-up will appear so that all selected rows may be saved into a *.csv file onto the hard drive where desired



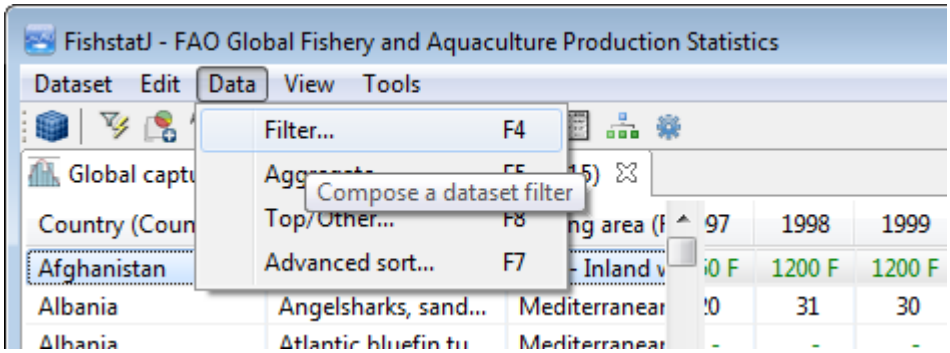
When the save of the selected records into a *.csv file is complete, a confirmation message such as this will appear:

The settings for exporting CSV files can be changed in the Preferences -> Data Export (explained in this manual in chapter 6.2).

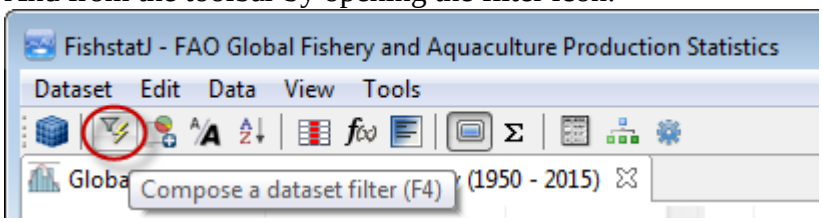
4. Data Menu

4.1. Filter...

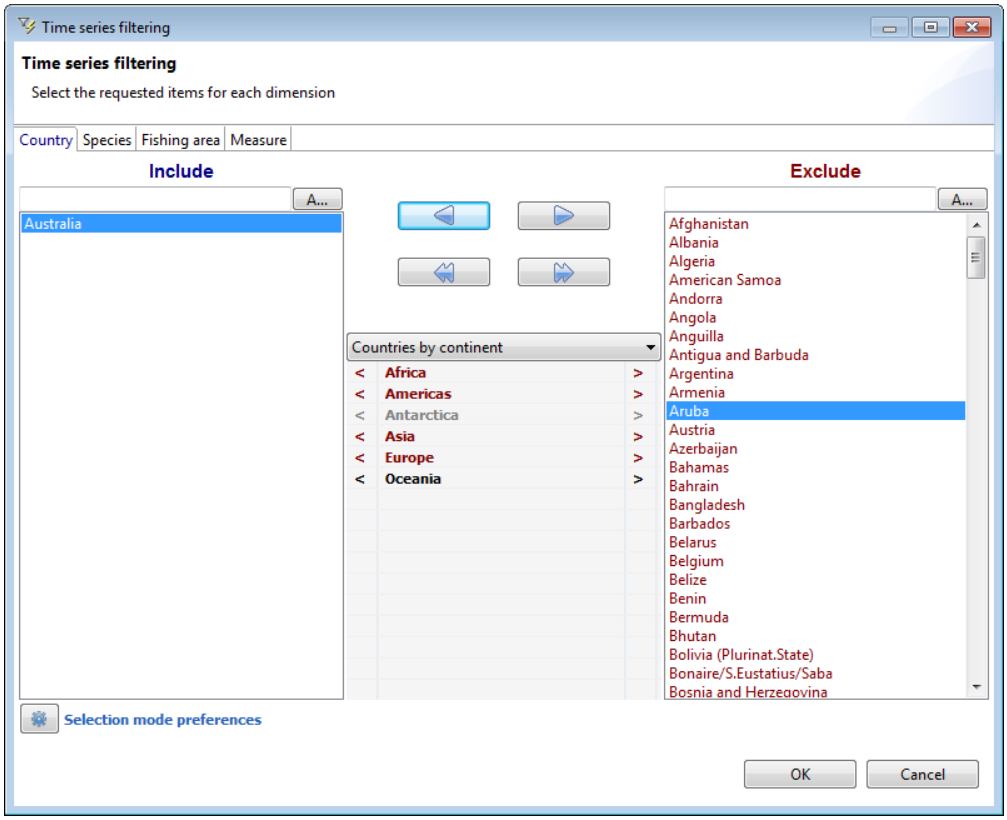
The timeseries filter becomes enabled once a dataset is open. Filter can be accessed from the Data Menu



And from the toolbar by opening the filter icon:



Selecting Filter, will present the time series filter:



On the left side are references **include**d (data is shown), on the left side the references **exclude**d (no data is shown). By default the Include side is empty; which means all references are shown.

References available for filtering depend on the dimensions of the dataset loaded. In the example above, available filters are Country, Species and Fishing area. In this example only data for Australia is selected.

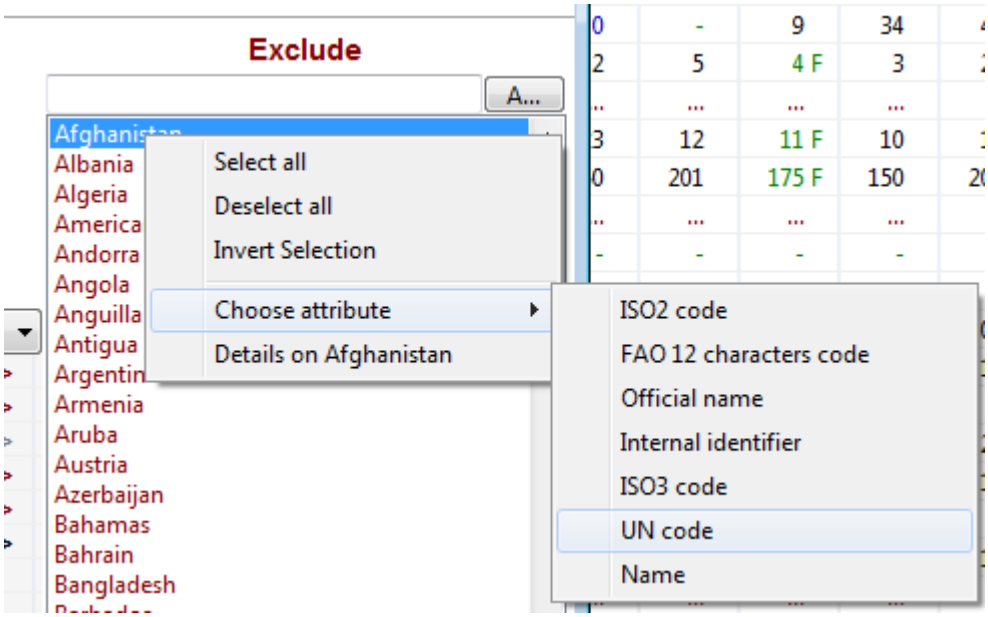
Clicking **OK** will refresh the data display and activate the filter.

The arrow buttons copy the selected reference object(s) from left-to-right or from right-to-left; according to the direction of the buttons:

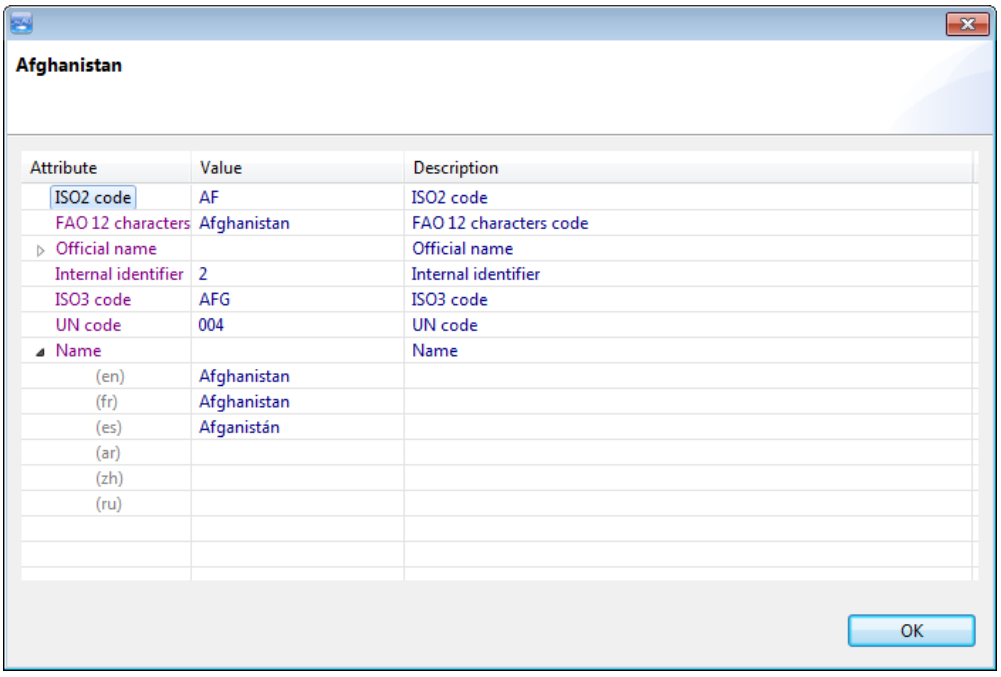
The double-arrows copy all reference objects in the direction indicated:

When using right-click; quick selections are possible:

- **Select all**
- **Deselect all**
- **Invert selection**

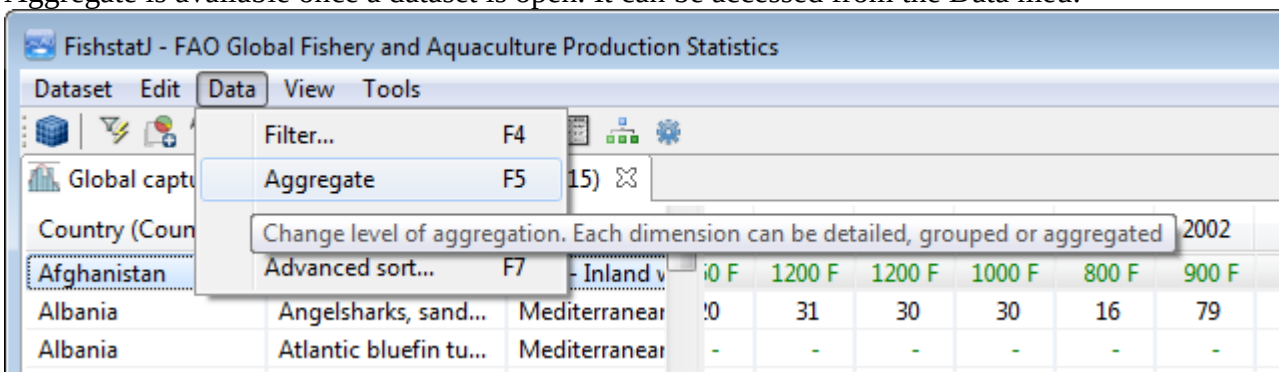


- **Choose attribute** allows to select the attribute used for the Filter dialog. This setting is remembered by FishStatJ.
- **Details on** shows details on the selected reference object

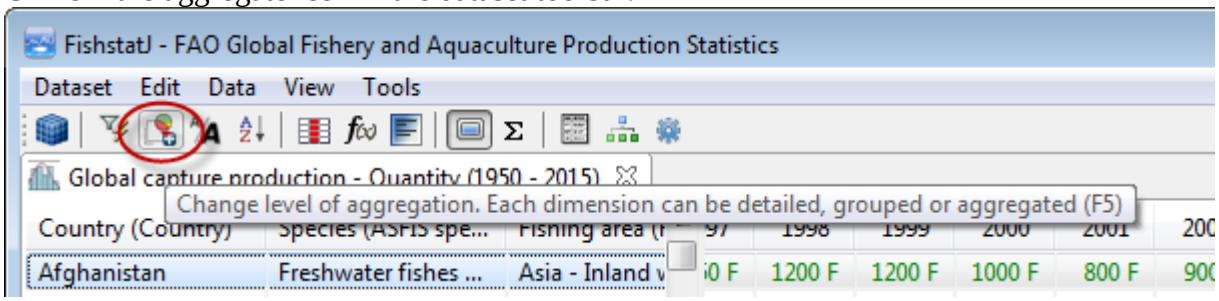


4.2. Aggregate

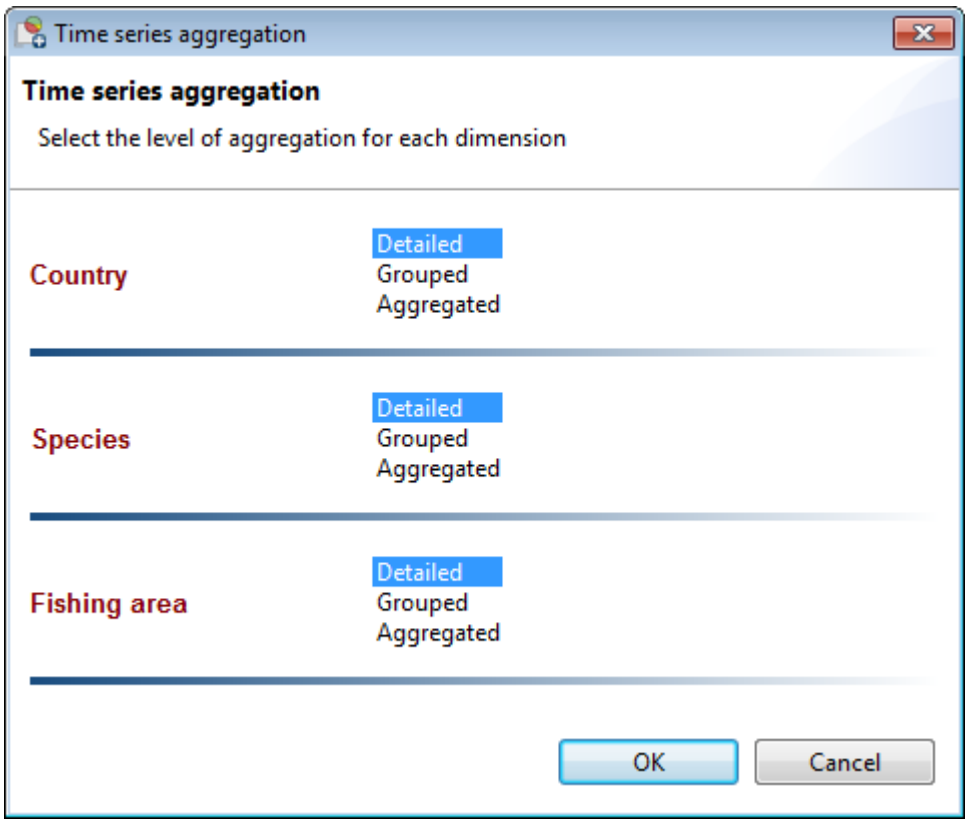
Aggregate is available once a dataset is open. It can be accessed from the Data meu:



Or from the aggregate icon in the dataset toolbar:



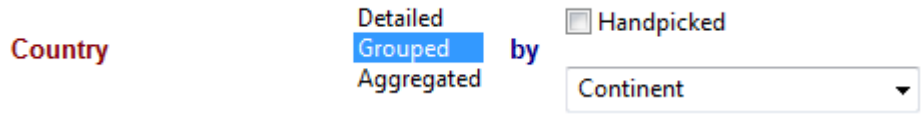
Selecting this option will present the **Time series aggregation** popup shown here:



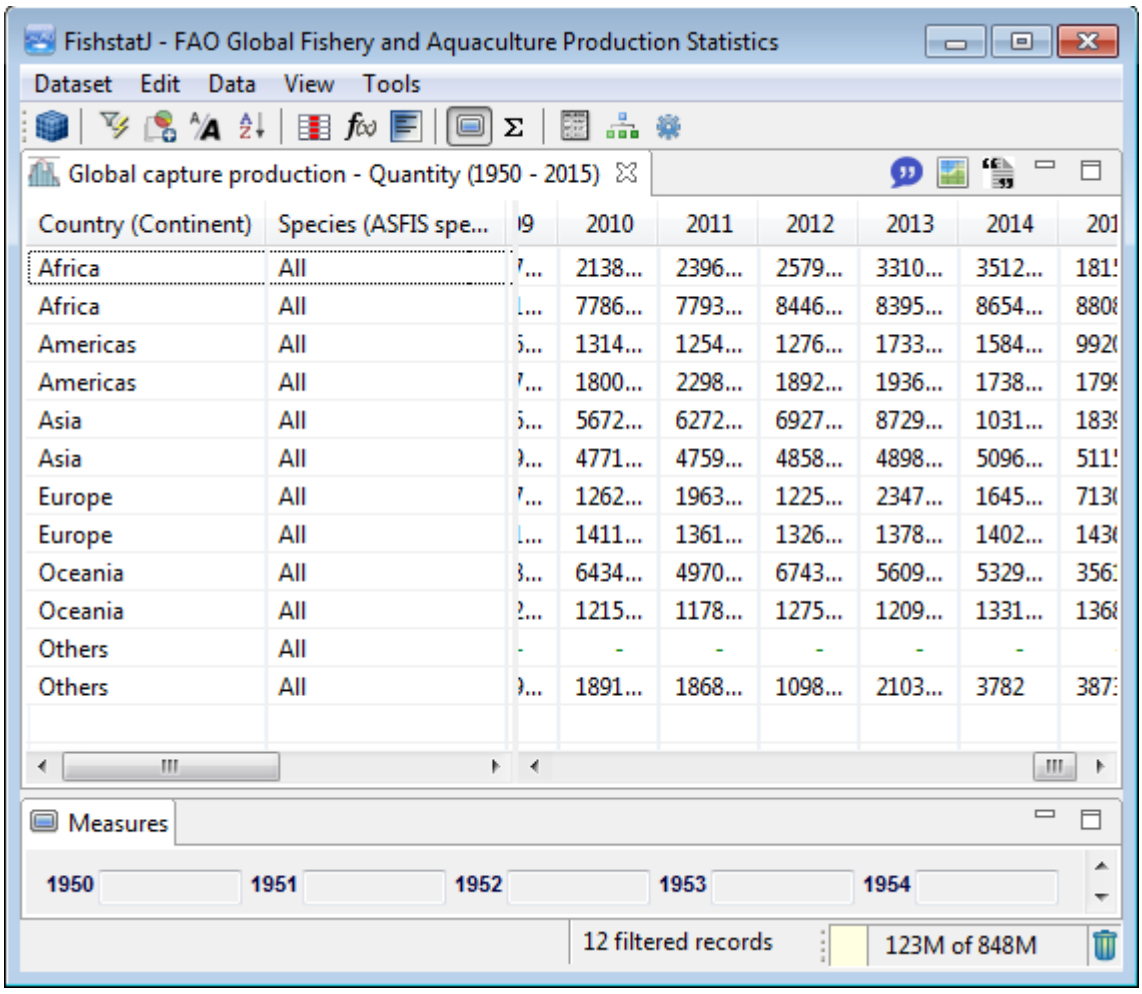
Aggregation setting are memorized for each dataset by FishStatJ.

On the **Time series aggregation** popup, aggregation selections deepened on the dimensions of the dataset.

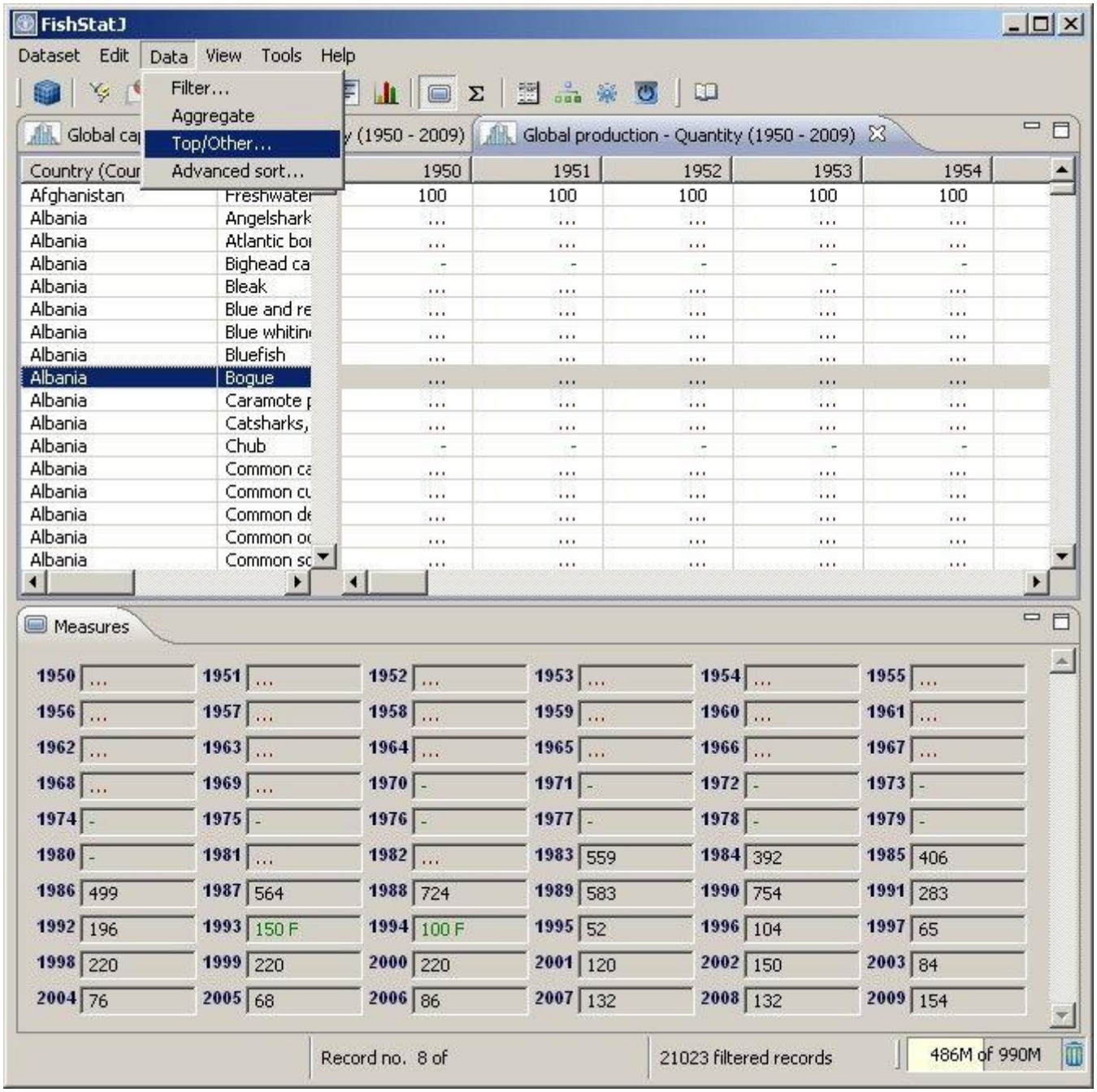
When selecting Grouped, it is possible to select the grouping (including **Handpicked** aka custom grouping).



As an example, grouping a data element Continent (within Country); while aggregating Species and Fishing area, produces the following result:

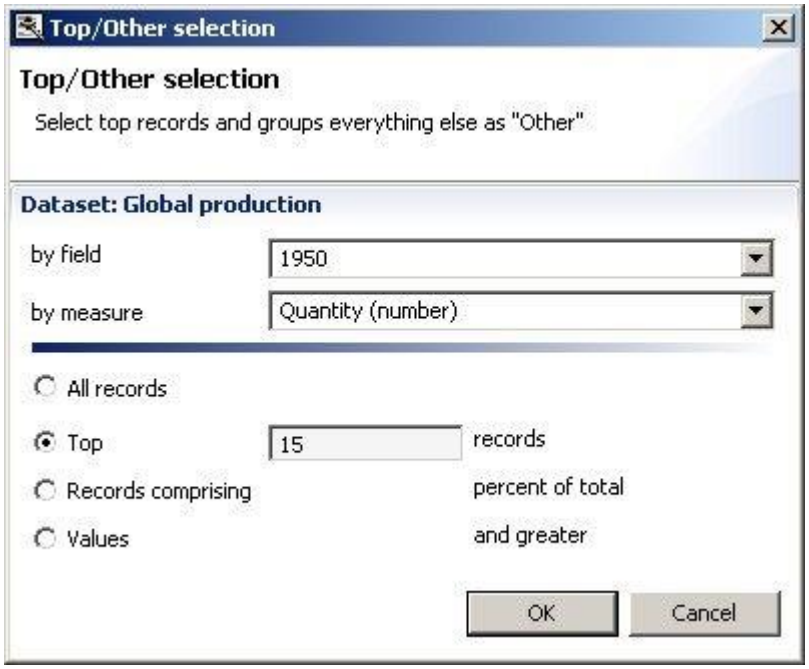


4.3. Top/Other...

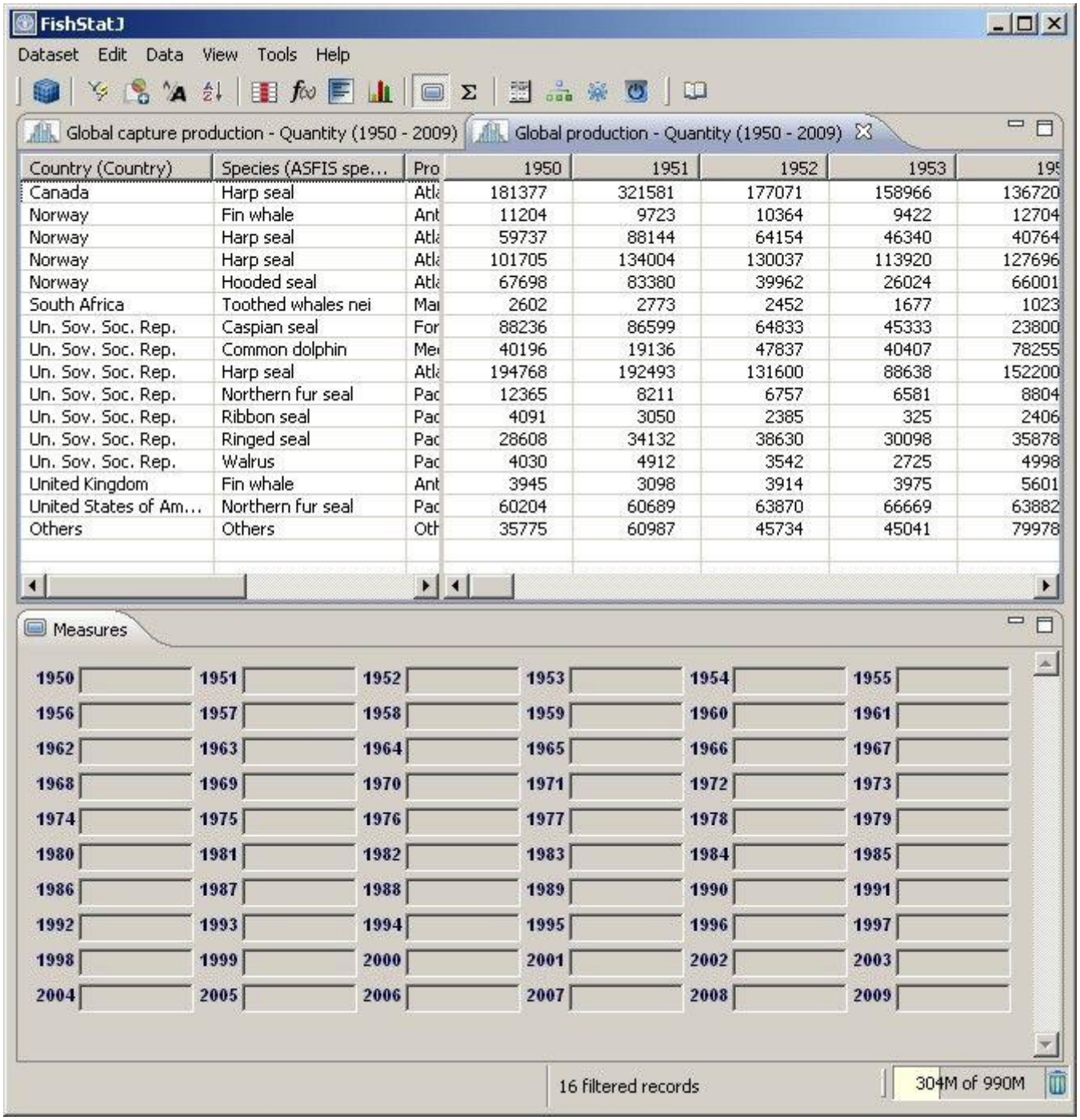


Selecting this submenu item presents the **Top/Other selection** popup window

As an example, selecting the top 15 entries for a year (i.e. 1950) as shown here:

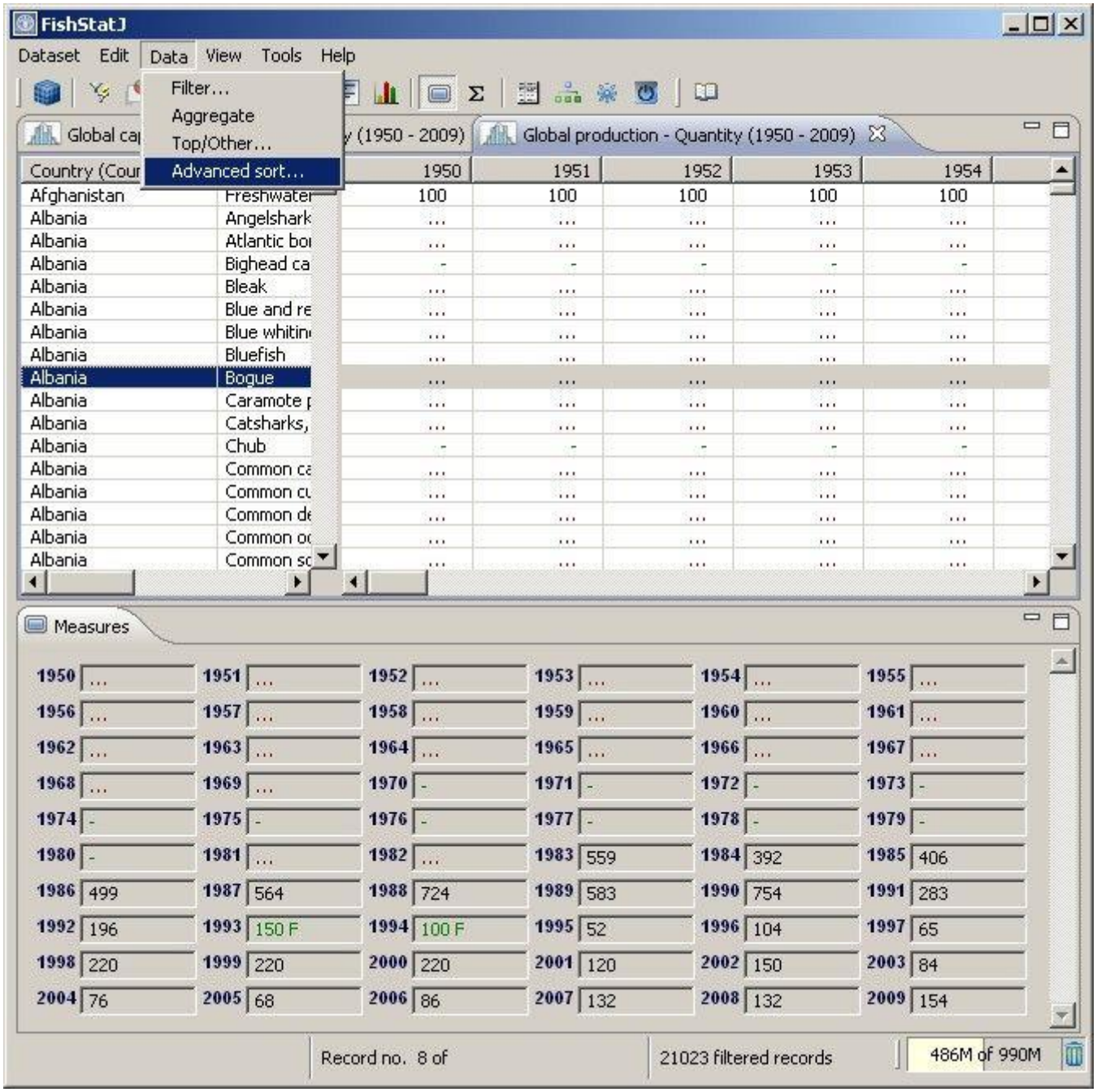


Produces the result shown on the next page

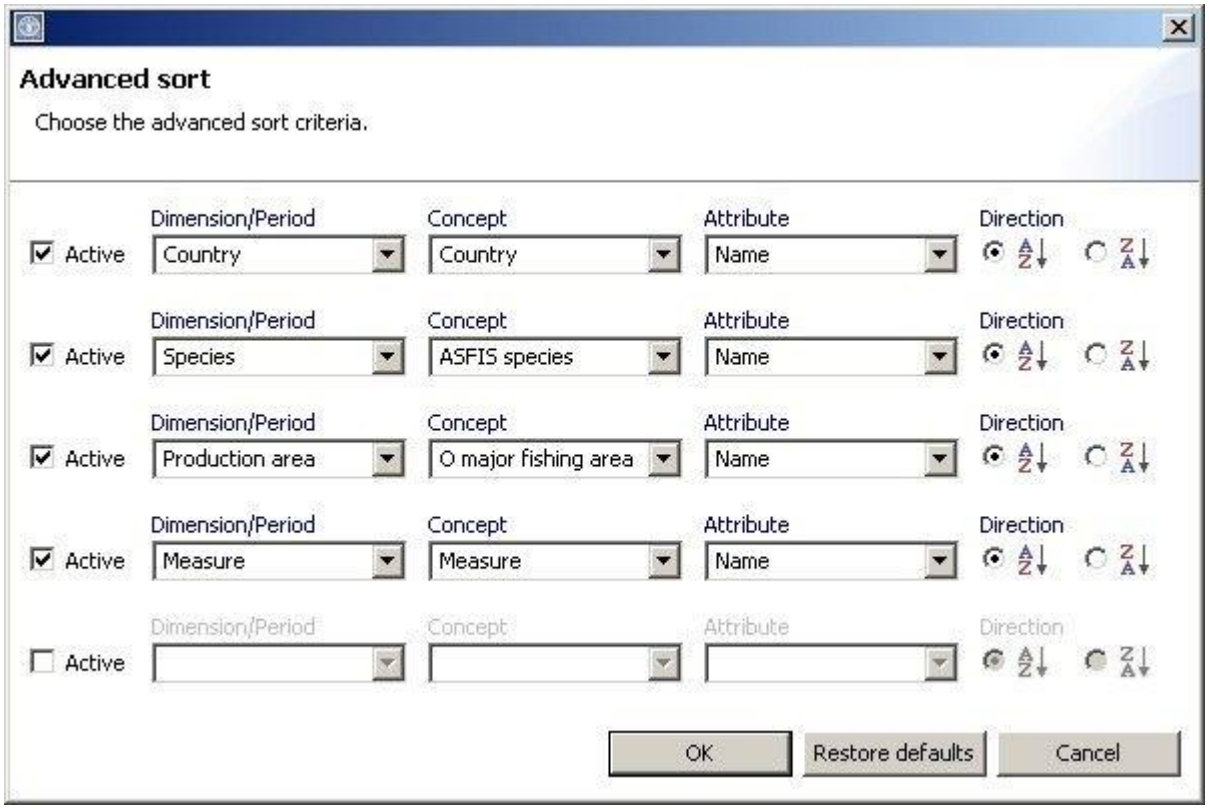


Country (Country)	Species (ASFIS spe...	Pro	1950	1951	1952	1953	19
Canada	Harp seal	Atl	181377	321581	177071	158966	136720
Norway	Fin whale	Ant	11204	9723	10364	9422	12704
Norway	Harp seal	Atl	59737	88144	64154	46340	40764
Norway	Harp seal	Atl	101705	134004	130037	113920	127696
Norway	Hooded seal	Atl	67698	83380	39962	26024	66001
South Africa	Toothed whales nei	Mar	2602	2773	2452	1677	1023
Un. Sov. Soc. Rep.	Caspian seal	For	88236	86599	64833	45333	23800
Un. Sov. Soc. Rep.	Common dolphin	Me	40196	19136	47837	40407	78255
Un. Sov. Soc. Rep.	Harp seal	Atl	194768	192493	131600	88638	152200
Un. Sov. Soc. Rep.	Northern fur seal	Pac	12365	8211	6757	6581	8804
Un. Sov. Soc. Rep.	Ribbon seal	Pac	4091	3050	2385	325	2406
Un. Sov. Soc. Rep.	Ringed seal	Pac	28608	34132	38630	30098	35878
Un. Sov. Soc. Rep.	Walrus	Pac	4030	4912	3542	2725	4998
United Kingdom	Fin whale	Ant	3945	3098	3914	3975	5601
United States of Am...	Northern fur seal	Pac	60204	60689	63870	66669	63882
Others	Others	Oth	35775	60987	45734	45041	79978

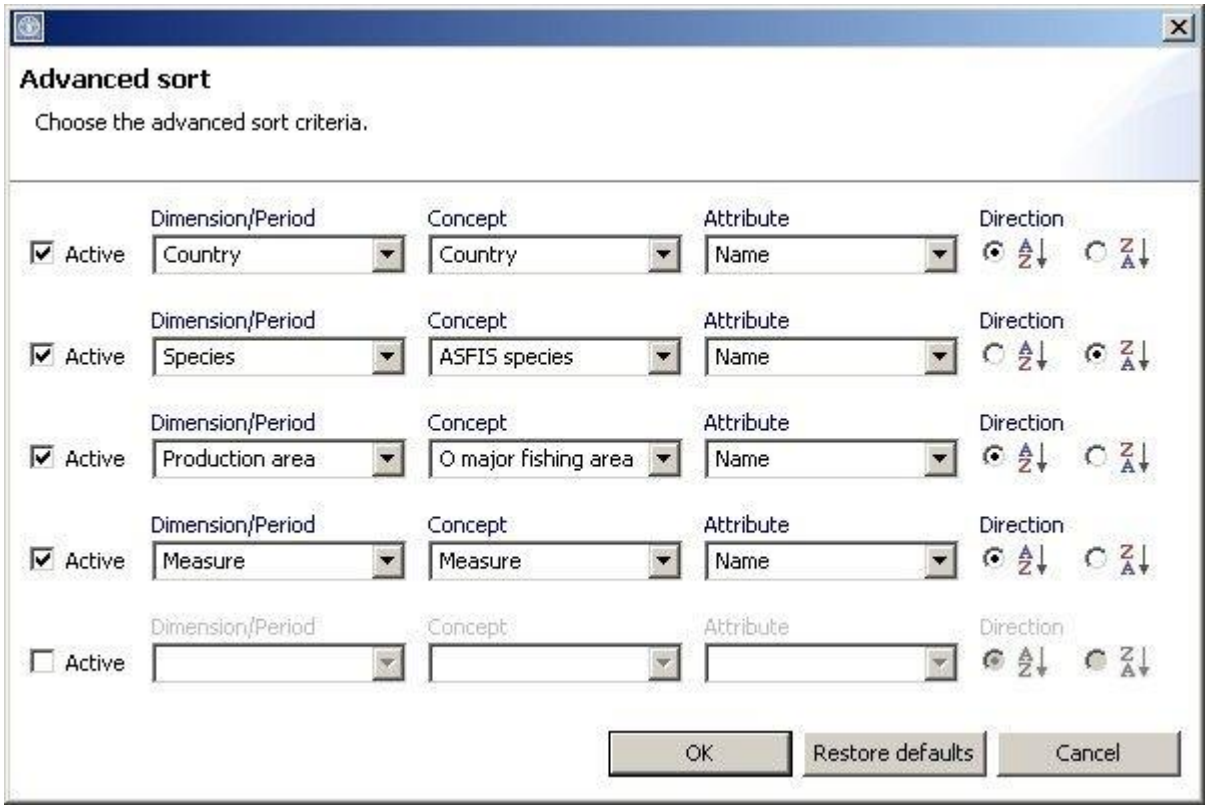
4.4. Advanced sort...



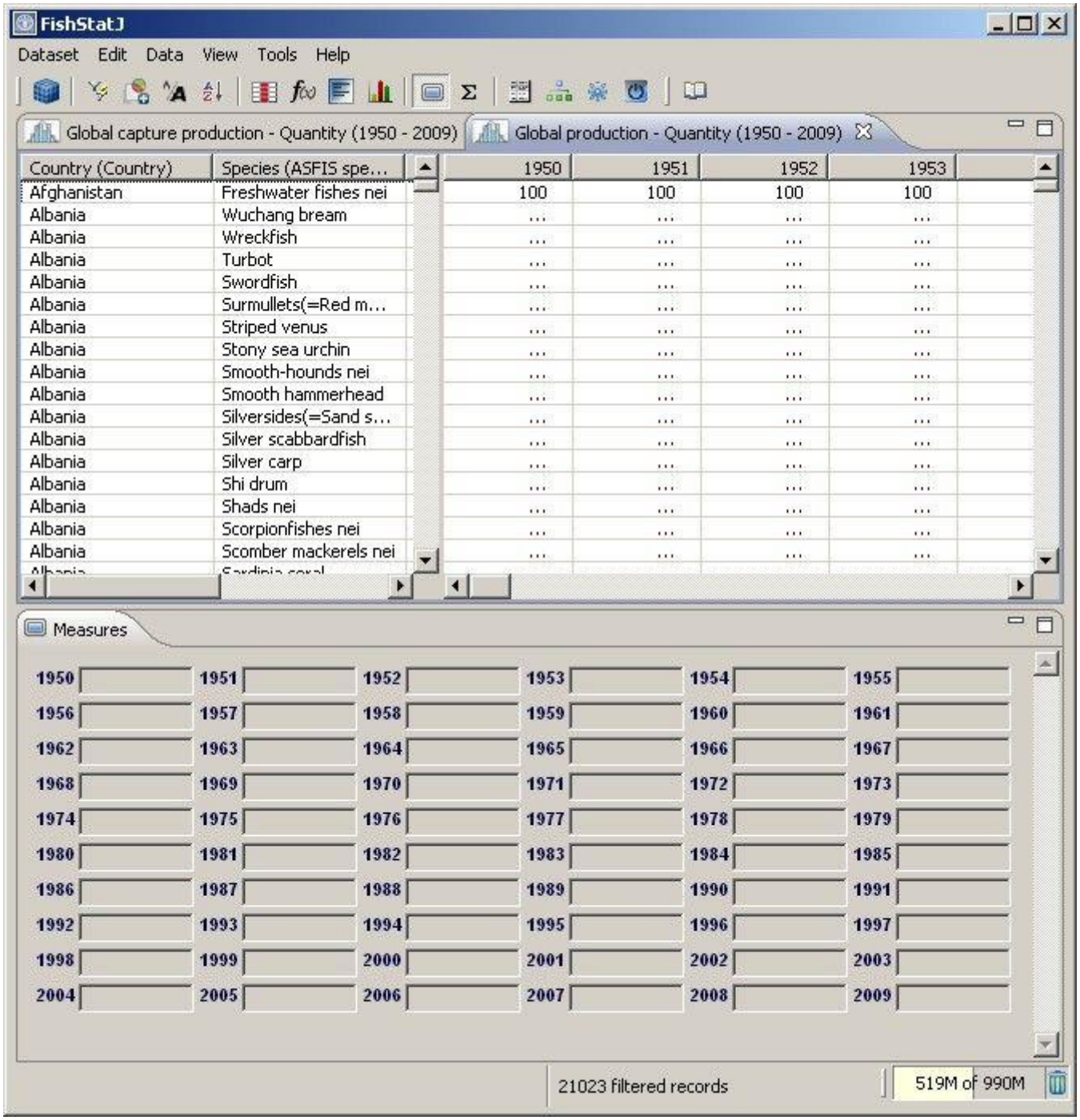
Selecting this submenu item presents the **Advanced sort** popup window where the dataset key elements may be included within the sort or excluded from the sort. Additionally, the sort ordering (i.e. ascending or descending) may be selected for each key dataset element



For example, sorting the Species element with a descending order produces the following result:

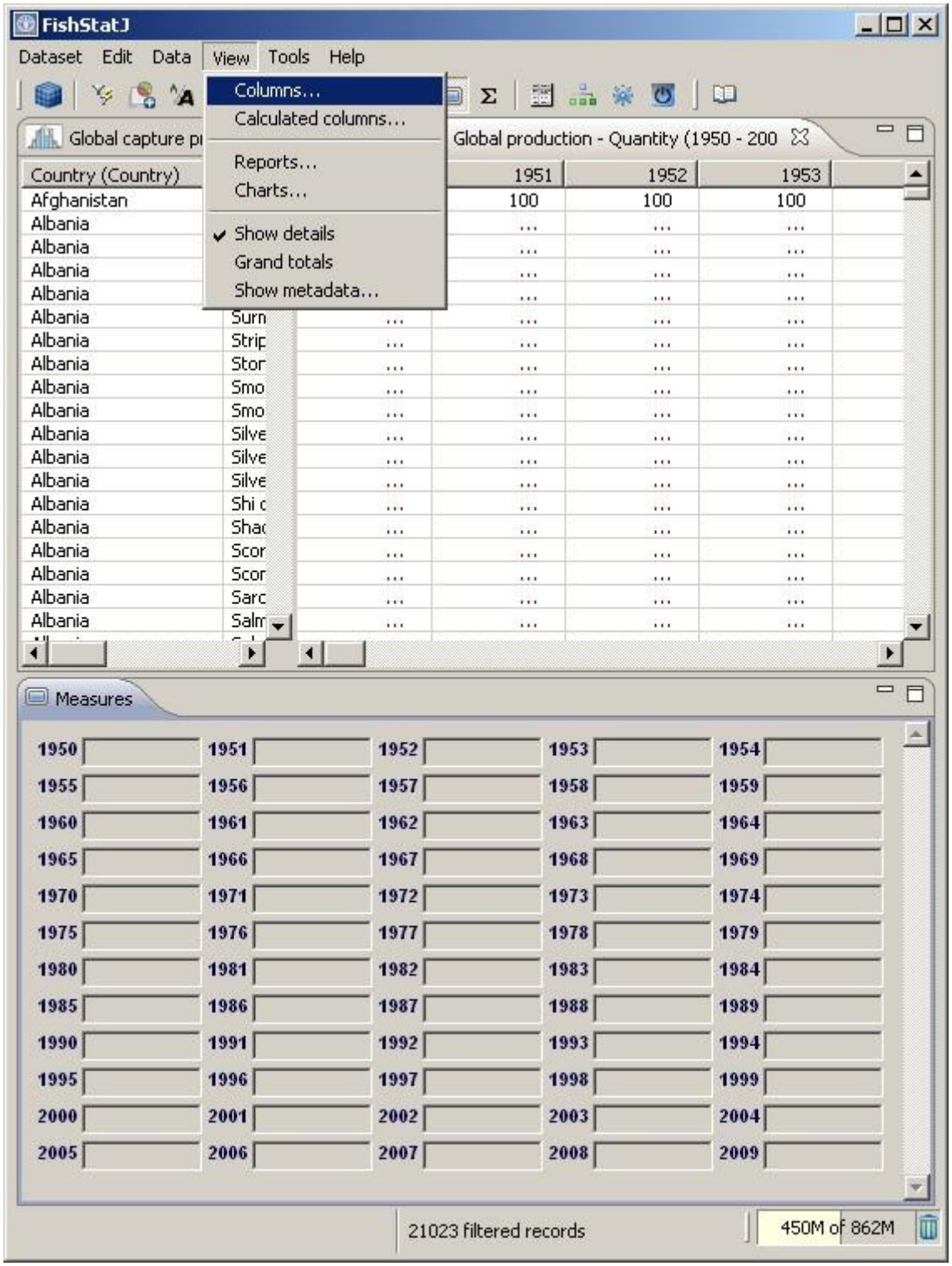


Produces the result shown on the next page

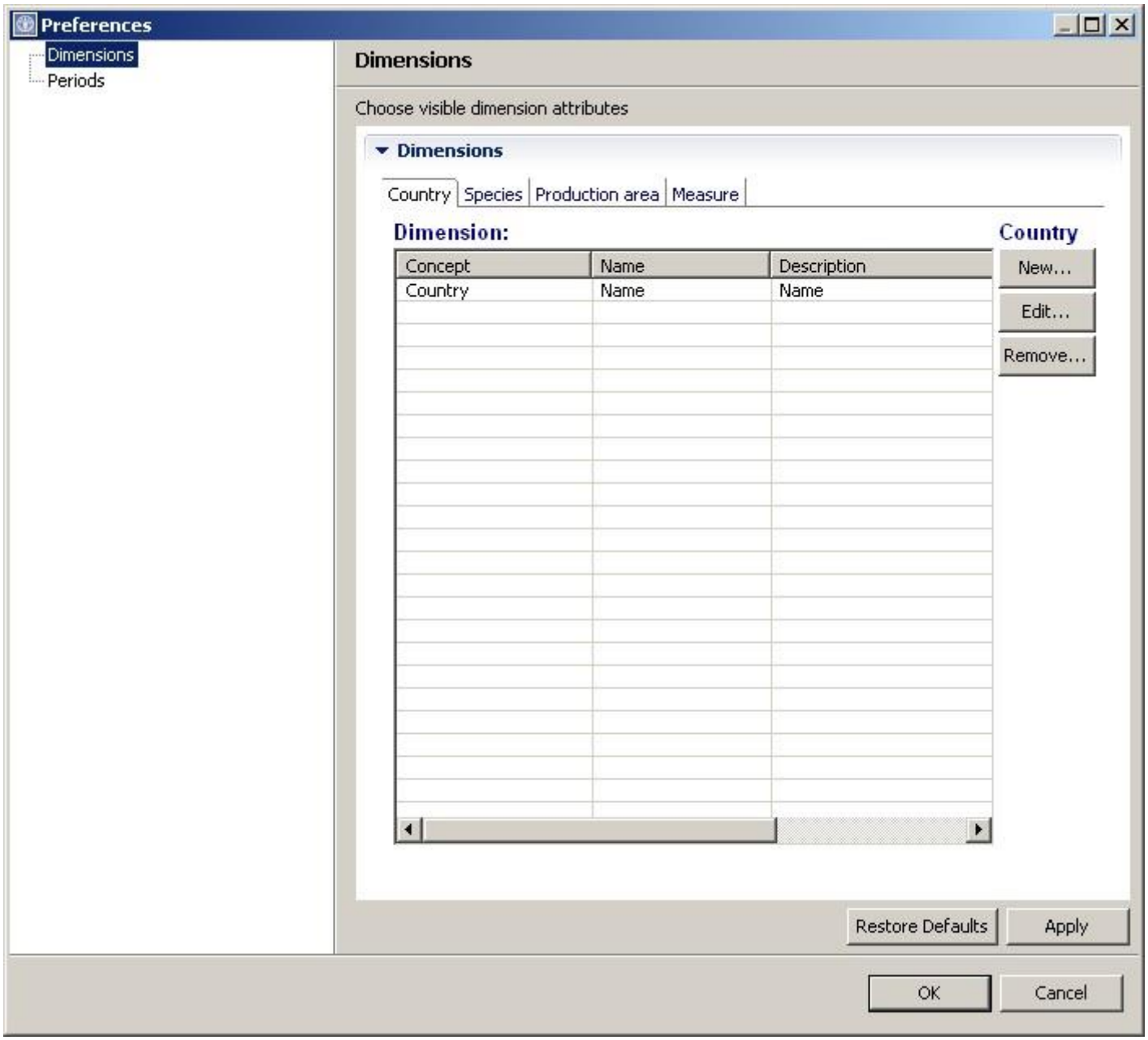

FishStatJ
Dataset Edit Data View Tools Help
Global capture production - Quantity (1950 - 2009)
Global production - Quantity (1950 - 2009)
Country (Country)
Species (ASFIS spe...
1950
1951
1952
1953
Afghanistan Freshwater fishes nei 100 100 100 100
Albania Wuchang bream
Albania Wreckfish
Albania Turbot
Albania Swordfish
Albania Surmullets(=Red m...
Albania Striped venus
Albania Stony sea urchin
Albania Smooth-hounds nei
Albania Smooth hammerhead
Albania Silversides(=Sand s...
Albania Silver scabbardfish
Albania Silver carp
Albania Shi drum
Albania Shads nei
Albania Scorpionfishes nei
Albania Scomber mackerels nei
Measures
1950 1951 1952 1953 1954 1955
1956 1957 1958 1959 1960 1961
1962 1963 1964 1965 1966 1967
1968 1969 1970 1971 1972 1973
1974 1975 1976 1977 1978 1979
1980 1981 1982 1983 1984 1985
1986 1987 1988 1989 1990 1991
1992 1993 1994 1995 1996 1997
1998 1999 2000 2001 2002 2003
2004 2005 2006 2007 2008 2009
21023 filtered records
519M of 990M

5. View Menu

5.1. Columns...

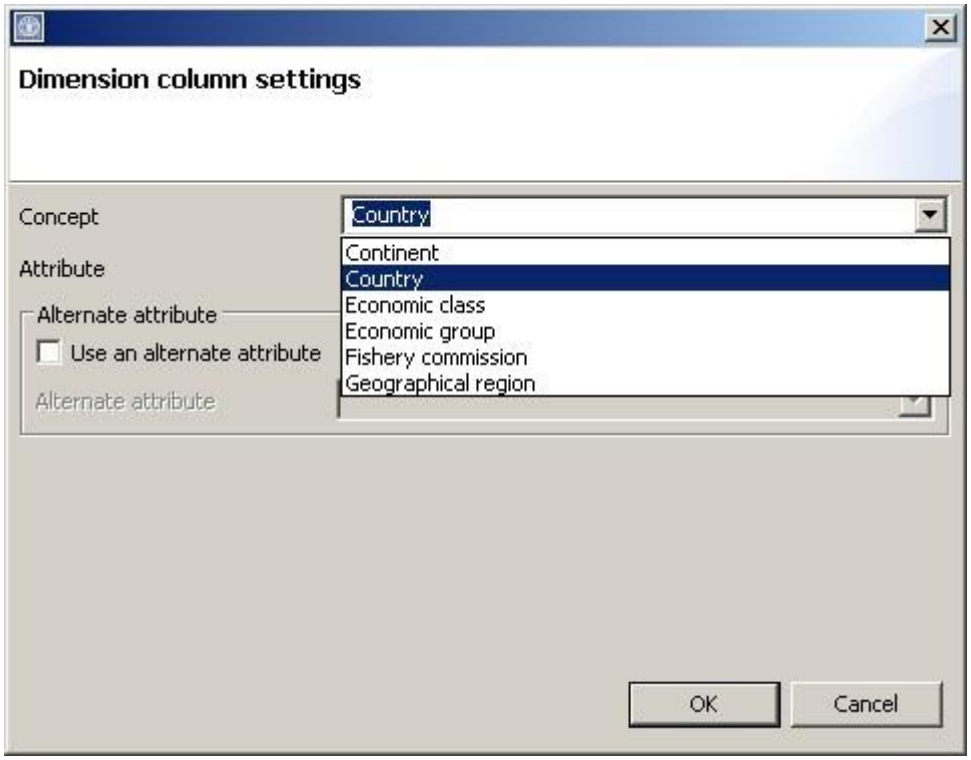


Selecting this option will allow the user to change the columns (attributes) that are displayed of the dataset. When the option is selected, the **Preferences** popup window is displayed as shown here:

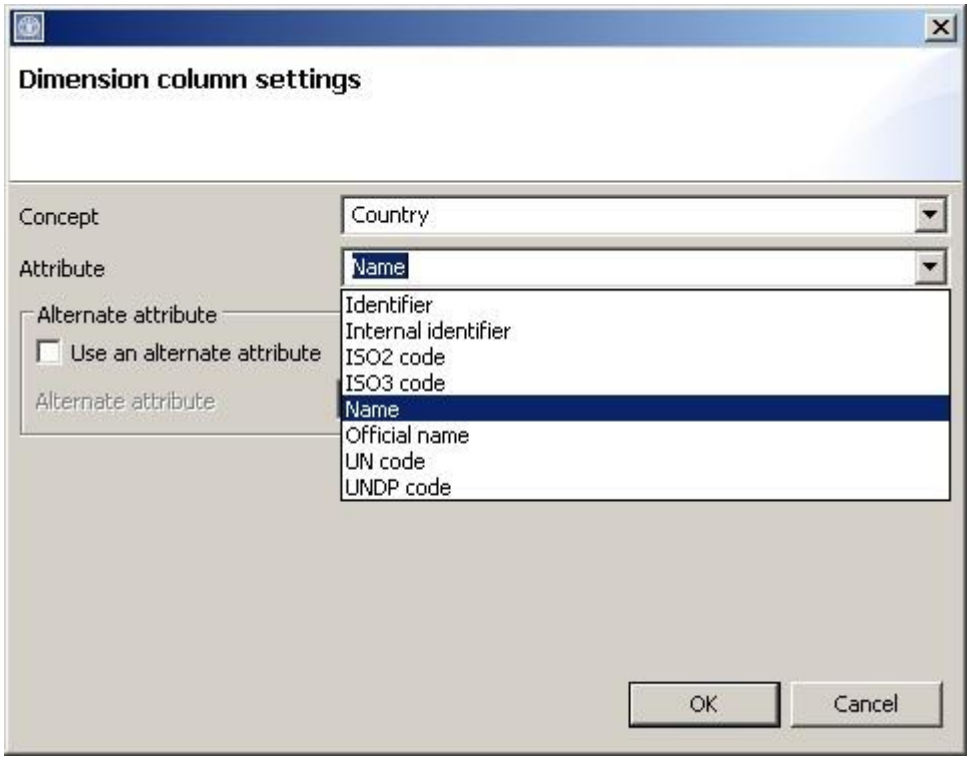


Note: For species, when the common name is not available, the scientific name will be shown instead.

The **Dimensions** used for the data display can be changed by selecting **Concept**:

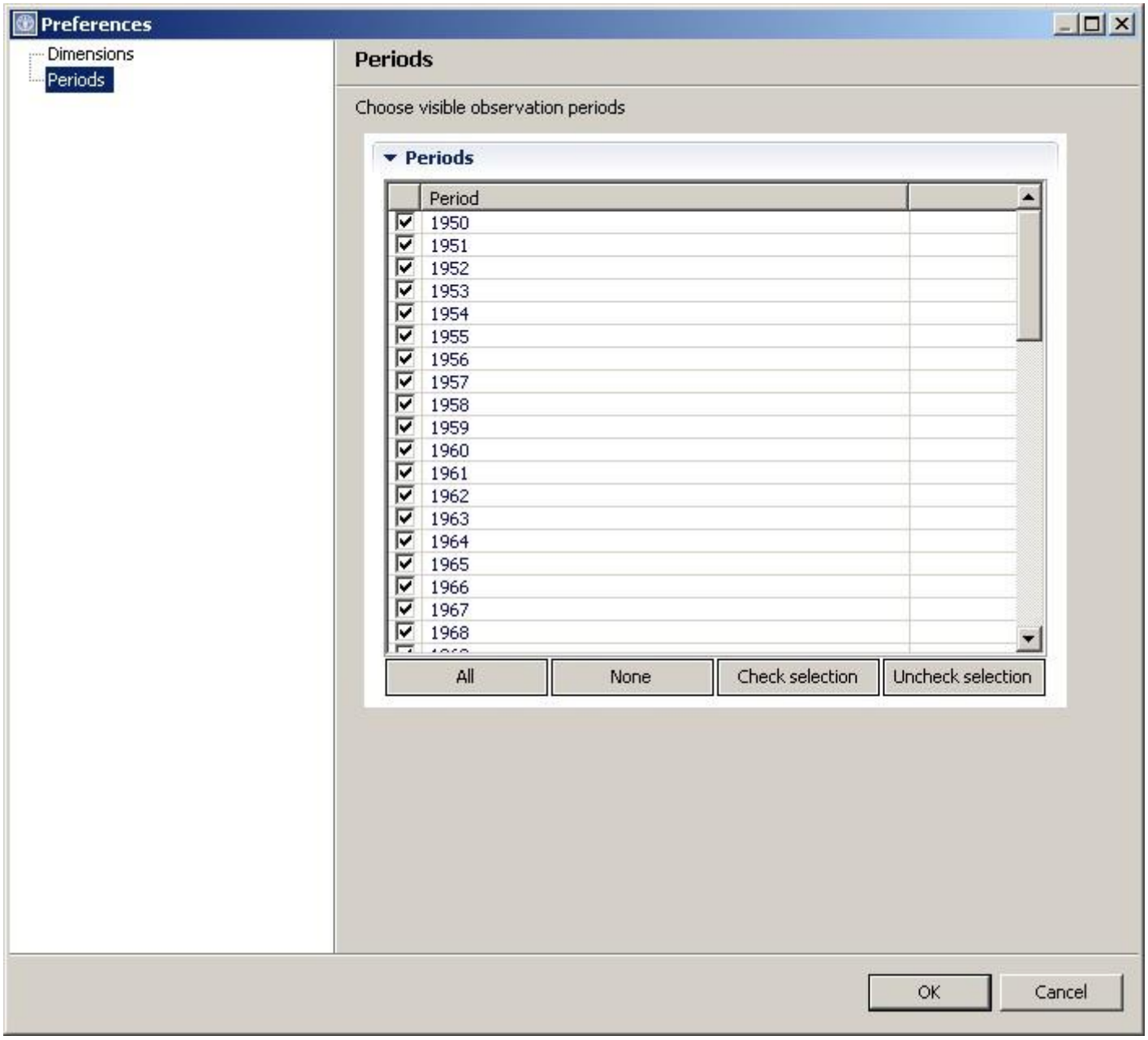


The **Attribute** can be chosen:

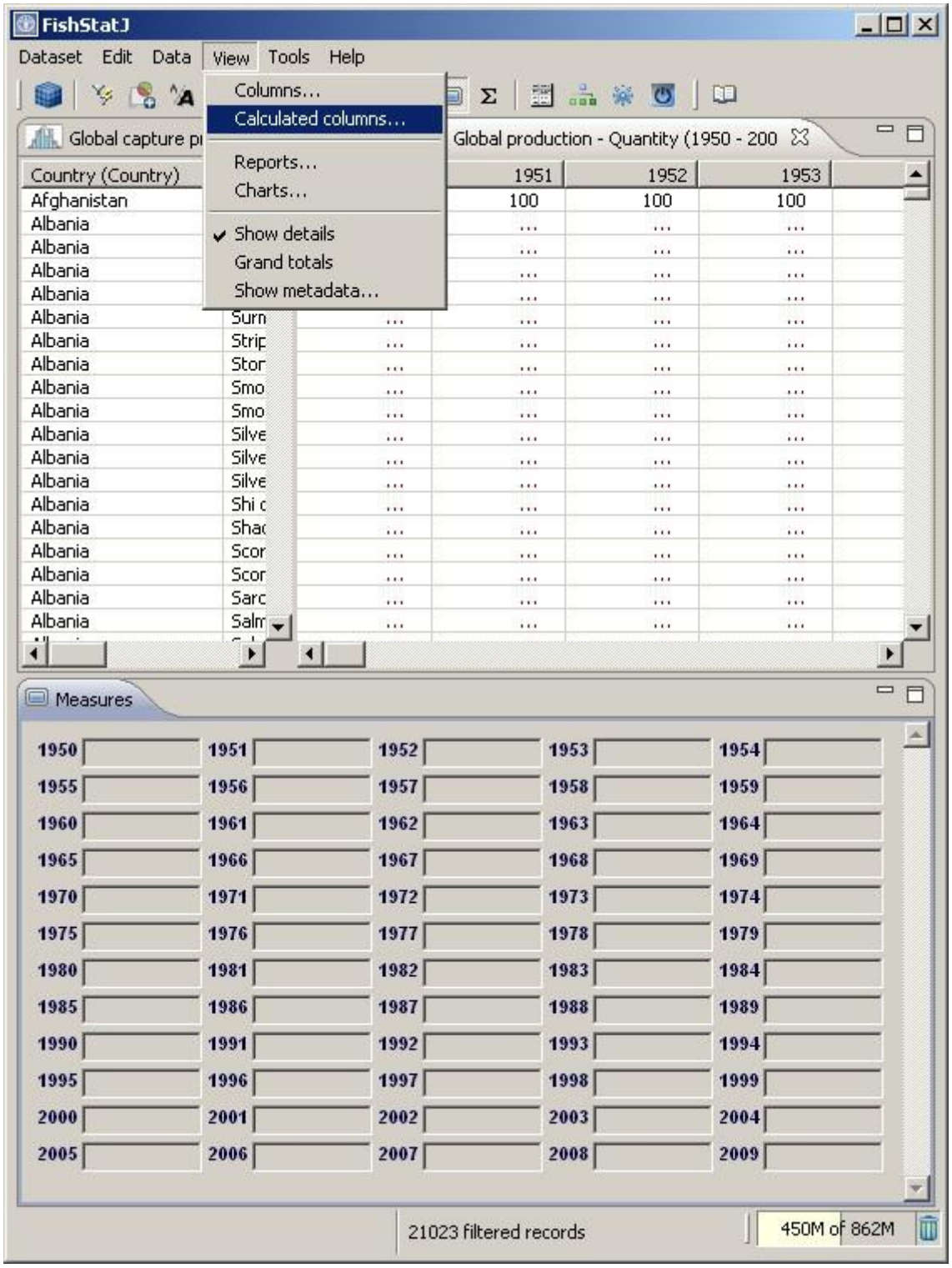


Example: for the Concept **Species**, the common name used for display can be replaced with the Scientific name.

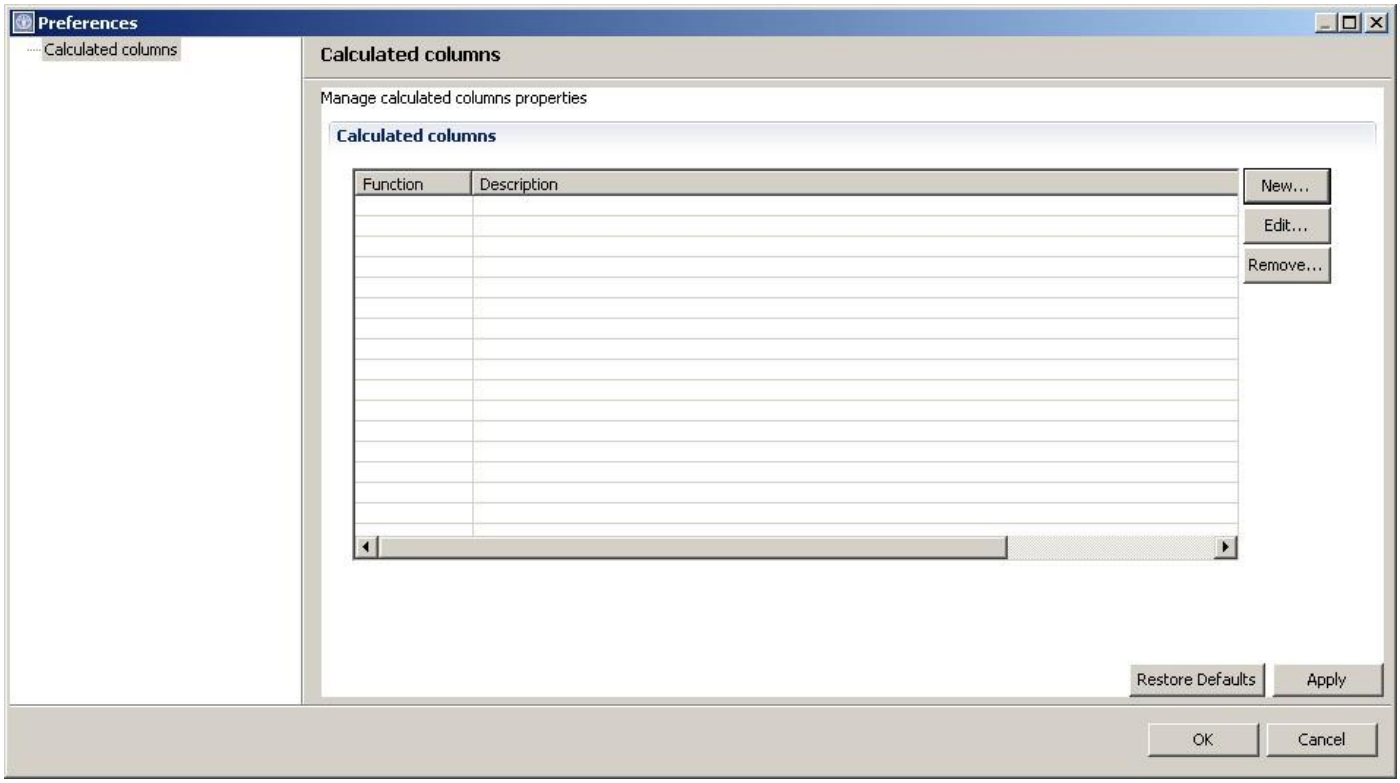
The **Periods** displayed may be changed as shown here:



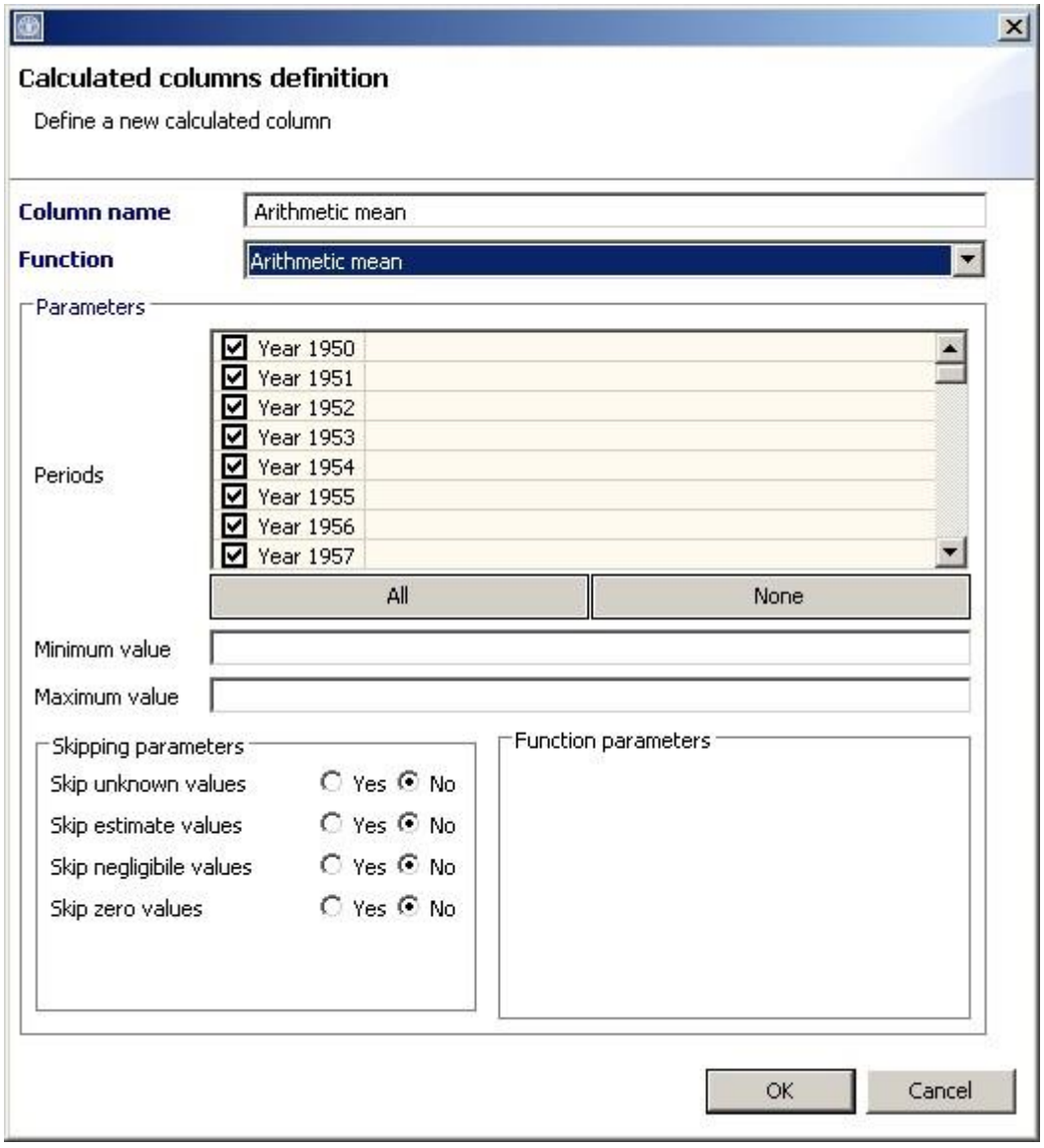
5.2. Calculated columns...



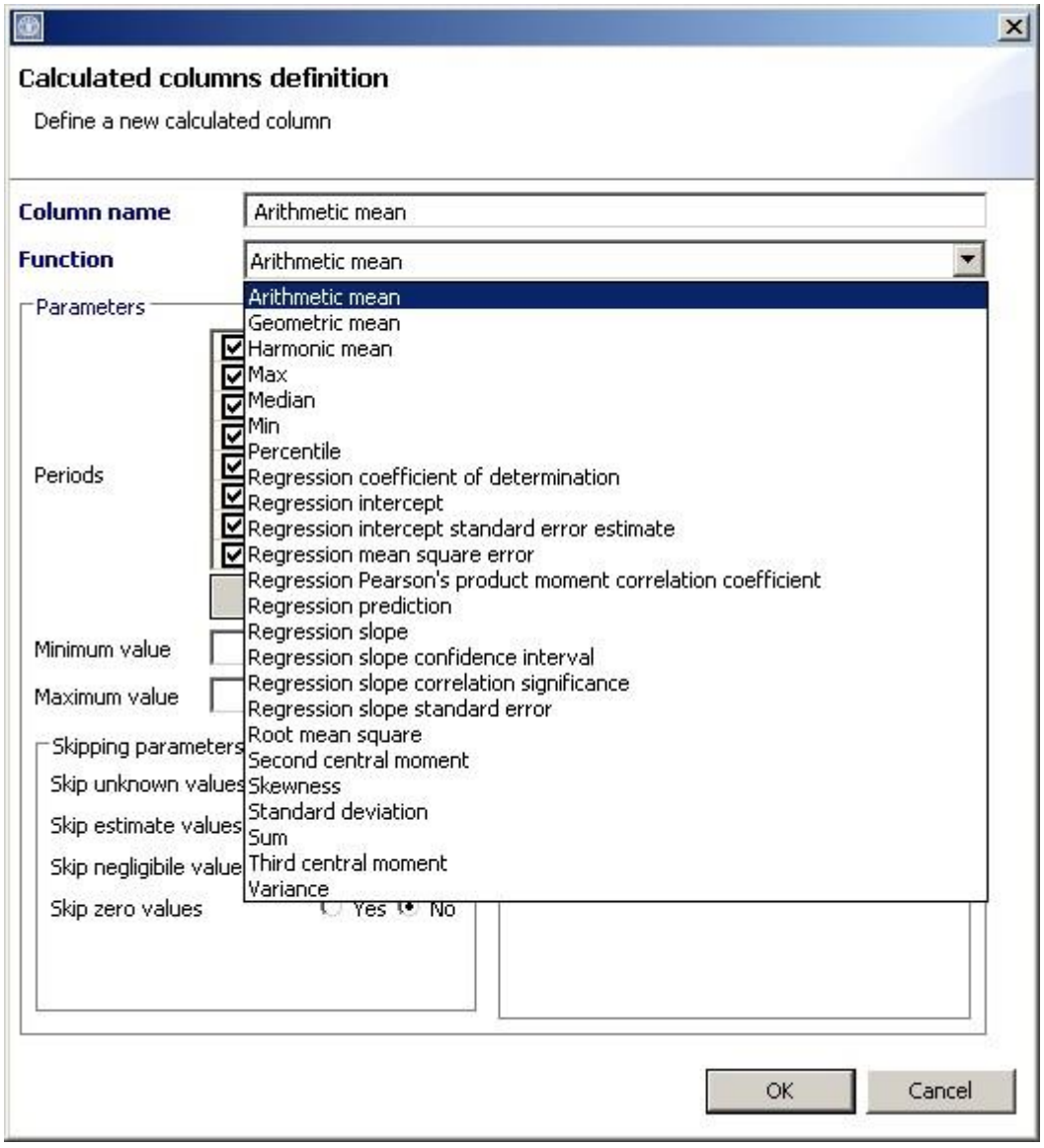
Selecting this option will allow the user to create calculated columns that are built from the original dataset columns. When the option is selected, the **Preferences** popup window where the user can create or edit calculated columns is displayed as shown here:



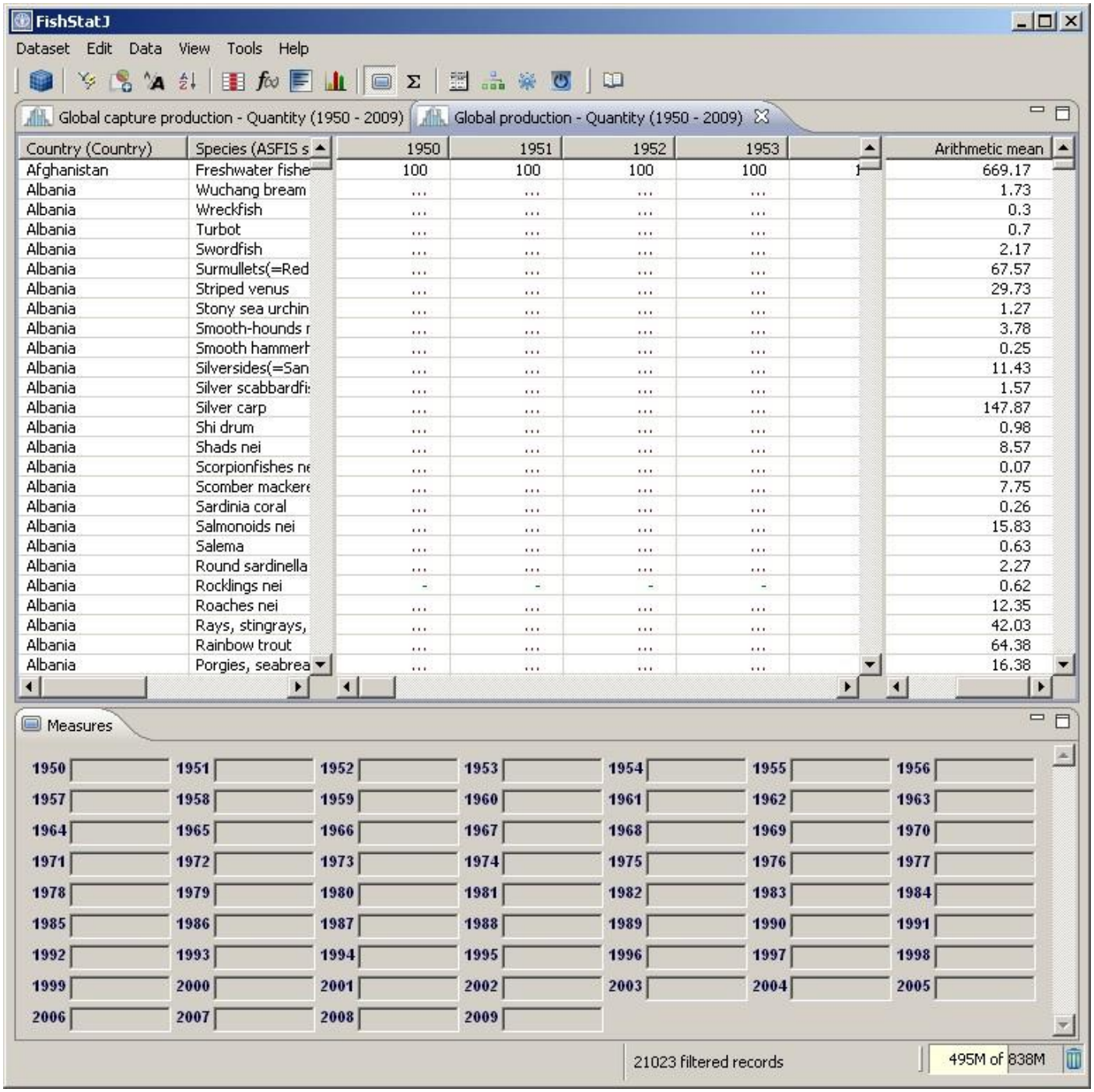
Calculated columns may be created (**New...**) or edited (**Edit...**) that produce the **Calculated columns definition** popup



Many statistical functions are available for calculated columns as shown here:

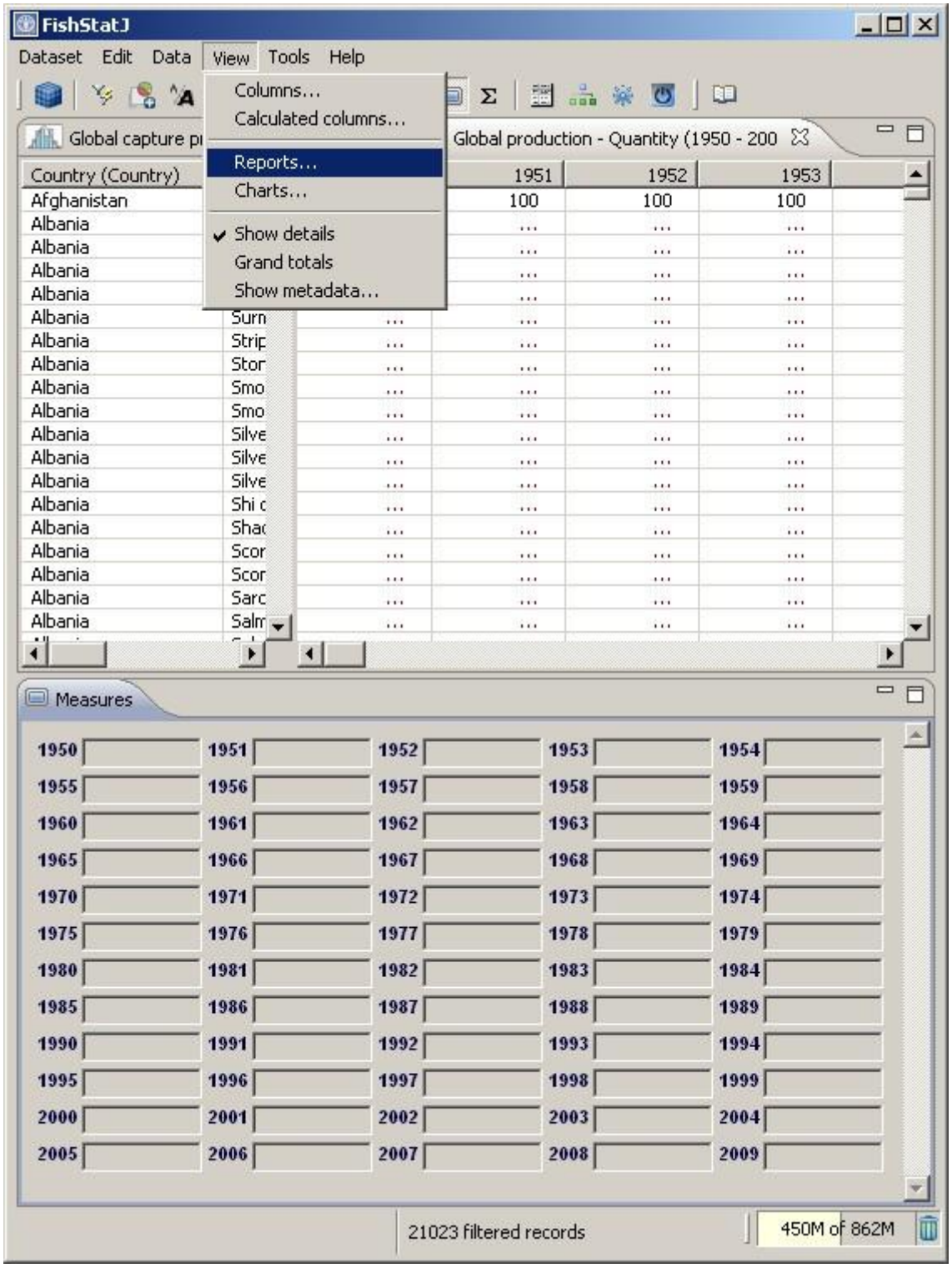


When a calculated column is created, it is shown at the end of the time-series as shown here:

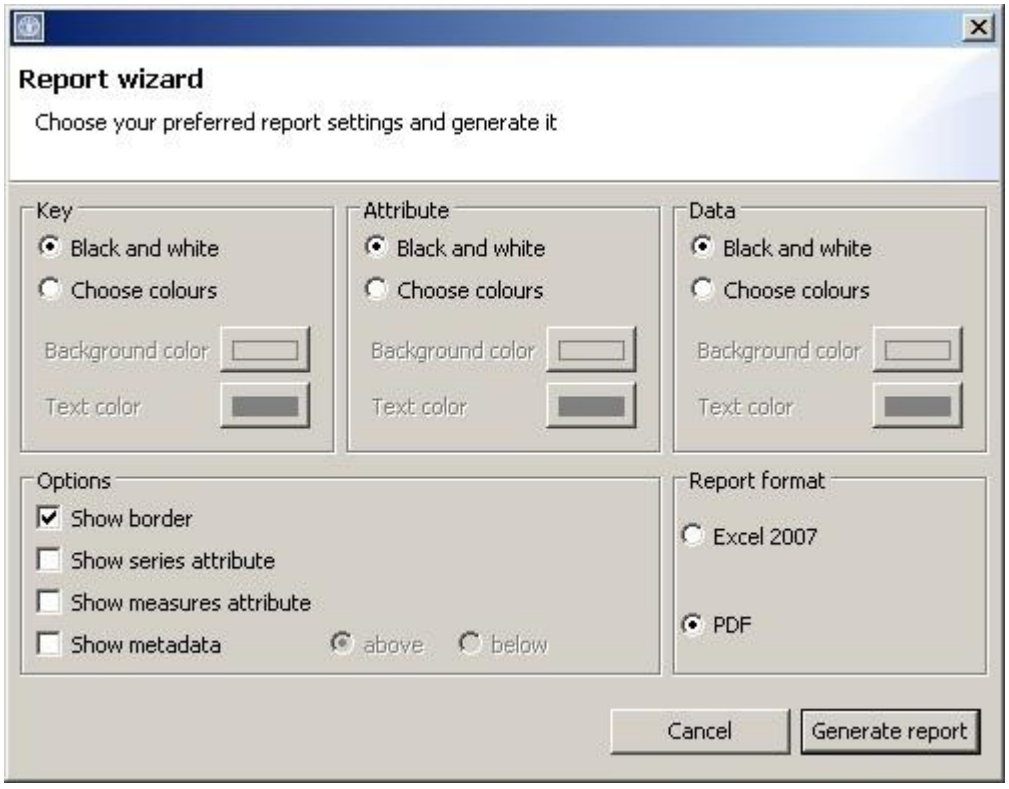


Country (Country)	Species (ASFIS s	1950	1951	1952	1953	Arithmetic mean
Afghanistan	Freshwater fishe	100	100	100	100	669.17
Albania	Wuchang bream	...	...	...	...	1.73
Albania	Wreckfish	...	...	...	...	0.3
Albania	Turbot	...	...	...	...	0.7
Albania	Swordfish	...	...	...	...	2.17
Albania	Surmullets(=Red	...	...	...	...	67.57
Albania	Striped venus	...	...	...	...	29.73
Albania	Stony sea urchin	...	...	...	...	1.27
Albania	Smooth-hounds r	...	...	...	...	3.78
Albania	Smooth hammerh	...	...	...	...	0.25
Albania	Silversides(=San	...	...	...	...	11.43
Albania	Silver scabbardfi	...	...	...	...	1.57
Albania	Silver carp	...	...	...	...	147.87
Albania	Shi drum	...	...	...	...	0.98
Albania	Shads nei	...	...	...	...	8.57
Albania	Scorpionfishes ne	...	...	...	...	0.07
Albania	Scomber mackere	...	...	...	...	7.75
Albania	Sardinia coral	...	...	...	...	0.26
Albania	Salmonoids nei	...	...	...	...	15.83
Albania	Salema	...	...	...	...	0.63
Albania	Round sardinella	...	...	...	...	2.27
Albania	Rocklings nei	-	-	-	-	0.62
Albania	Roaches nei	...	...	...	...	12.35
Albania	Rays, stingrays,	...	...	...	...	42.03
Albania	Rainbow trout	...	...	...	...	64.38
Albania	Porgies, seabrea	...	...	...	...	16.38

5.3. Reports...



Selecting this option will allow the user to create reports about the dataset that is 'active'. When this option is selected, the **Report wizard** is presented.



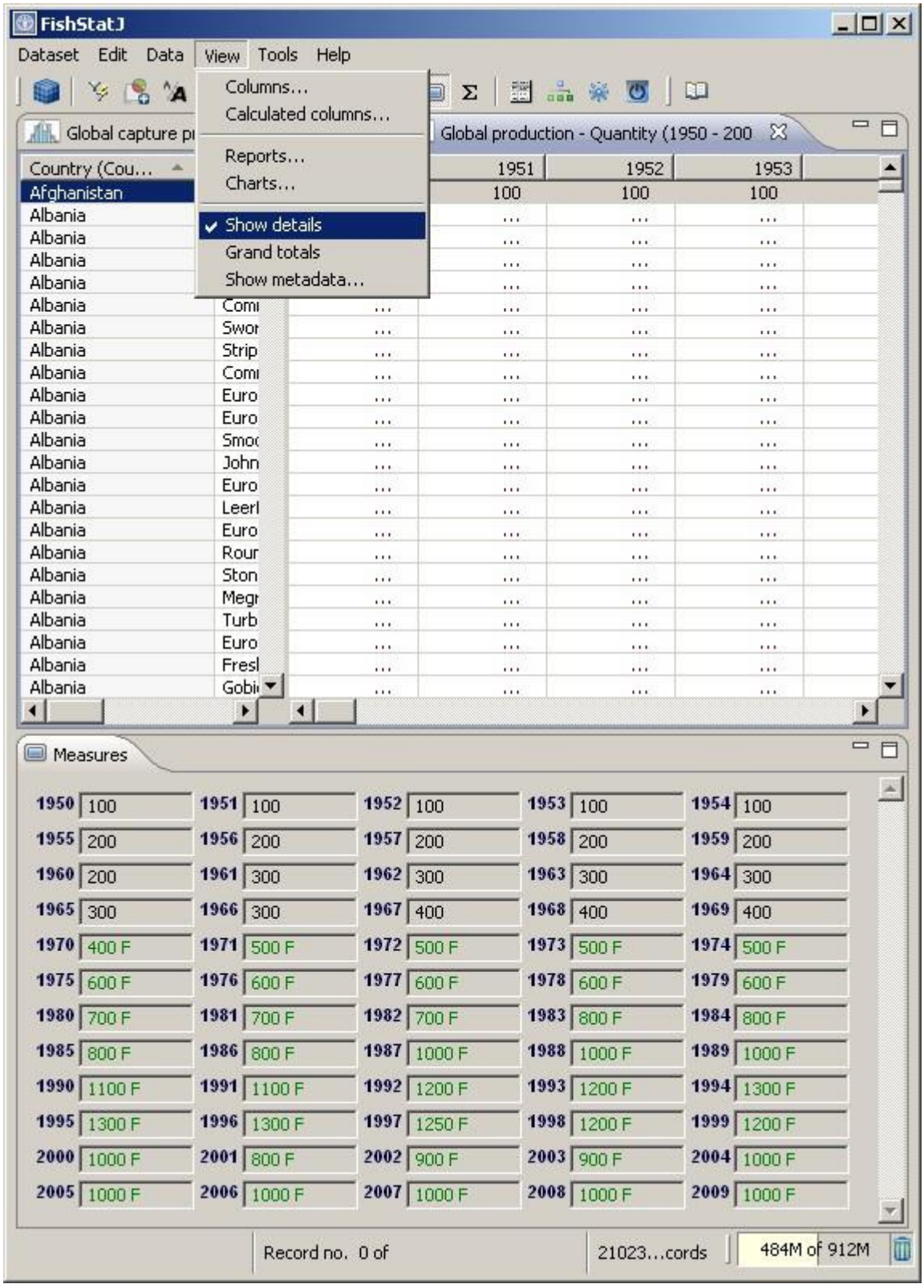
Reports are generated in PDF format.

5.4. Charts...

We apologize the chart function is deprecated (not supported any more); as the level of detail has increased so that the program to produce the graph often does not produce meaningful results. By design charting works best with less than 10 items.

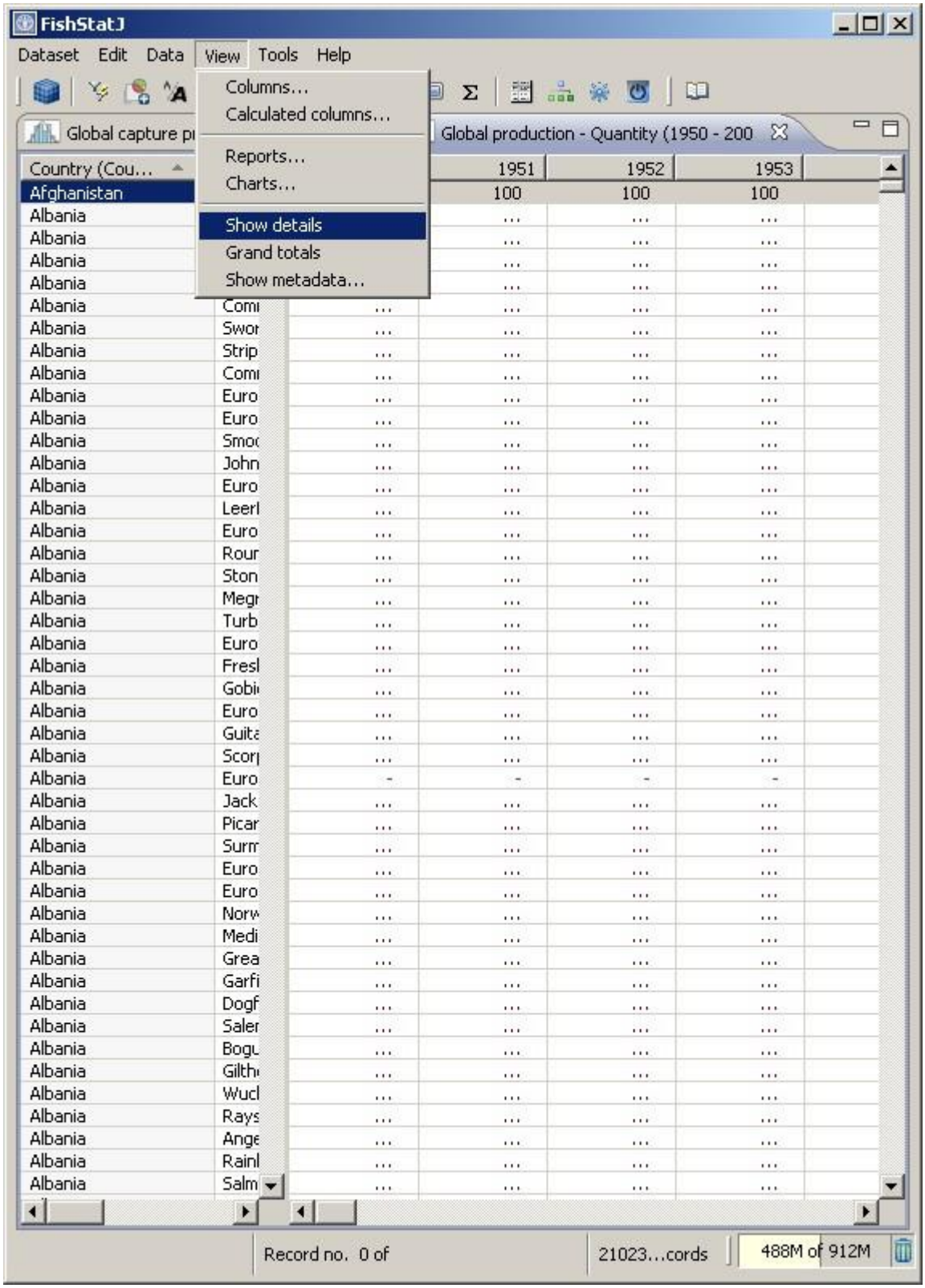
We suggest to export the data and produce charts using Excel (or Numbers on MacOS) for example.

5.5. Show details

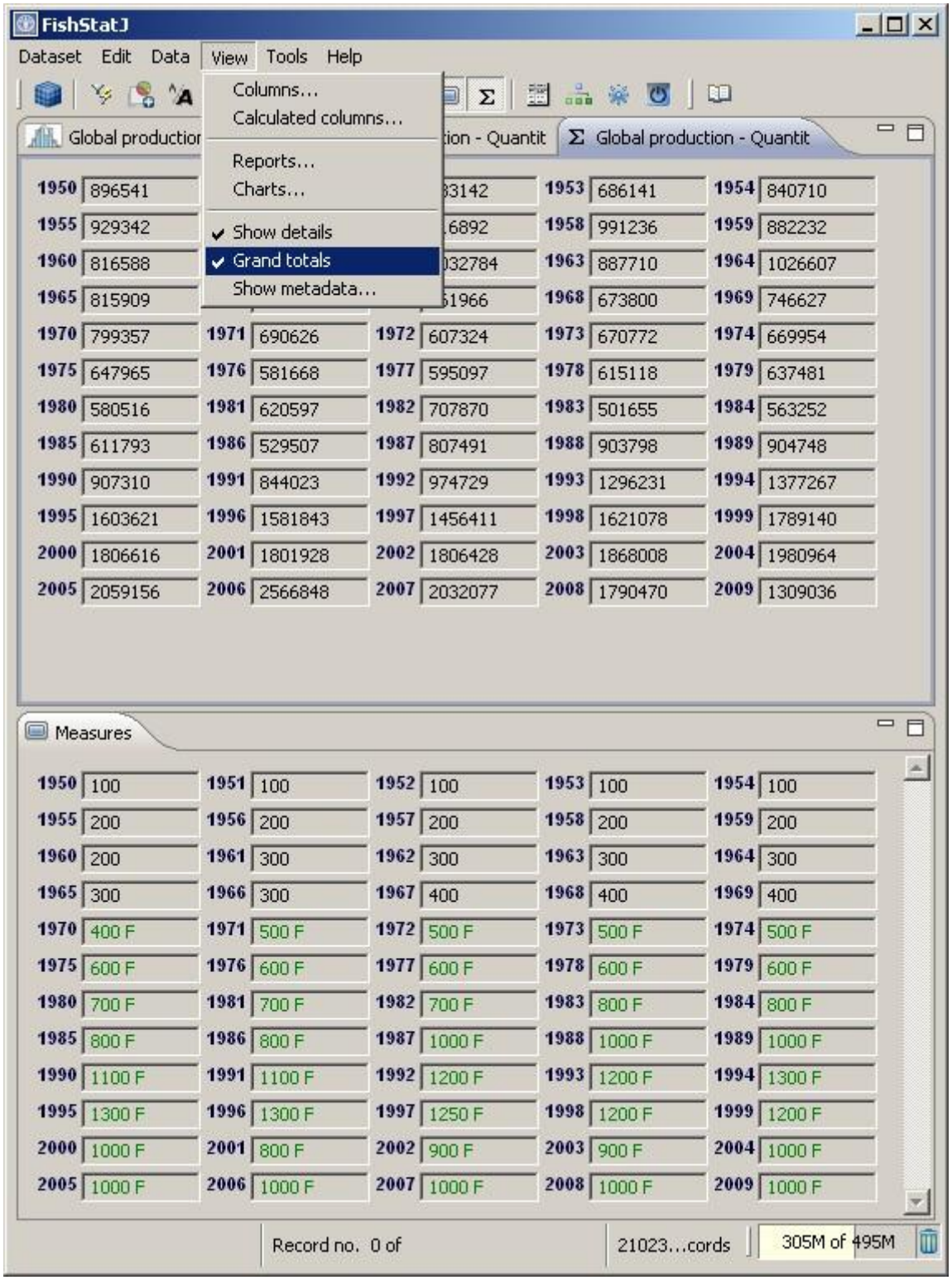


Selecting or deselecting this option will turn on or off the detailed information that is displayed at the bottom of the FishStatJ main display. This option allows more or less records of the time-series to be displayed. In the image above, the details are turned on where **Measures** are presented.

Deselecting this option will remove the 'details' shown at the bottom of the FishStatJ main display. In this image, the details are not displayed:

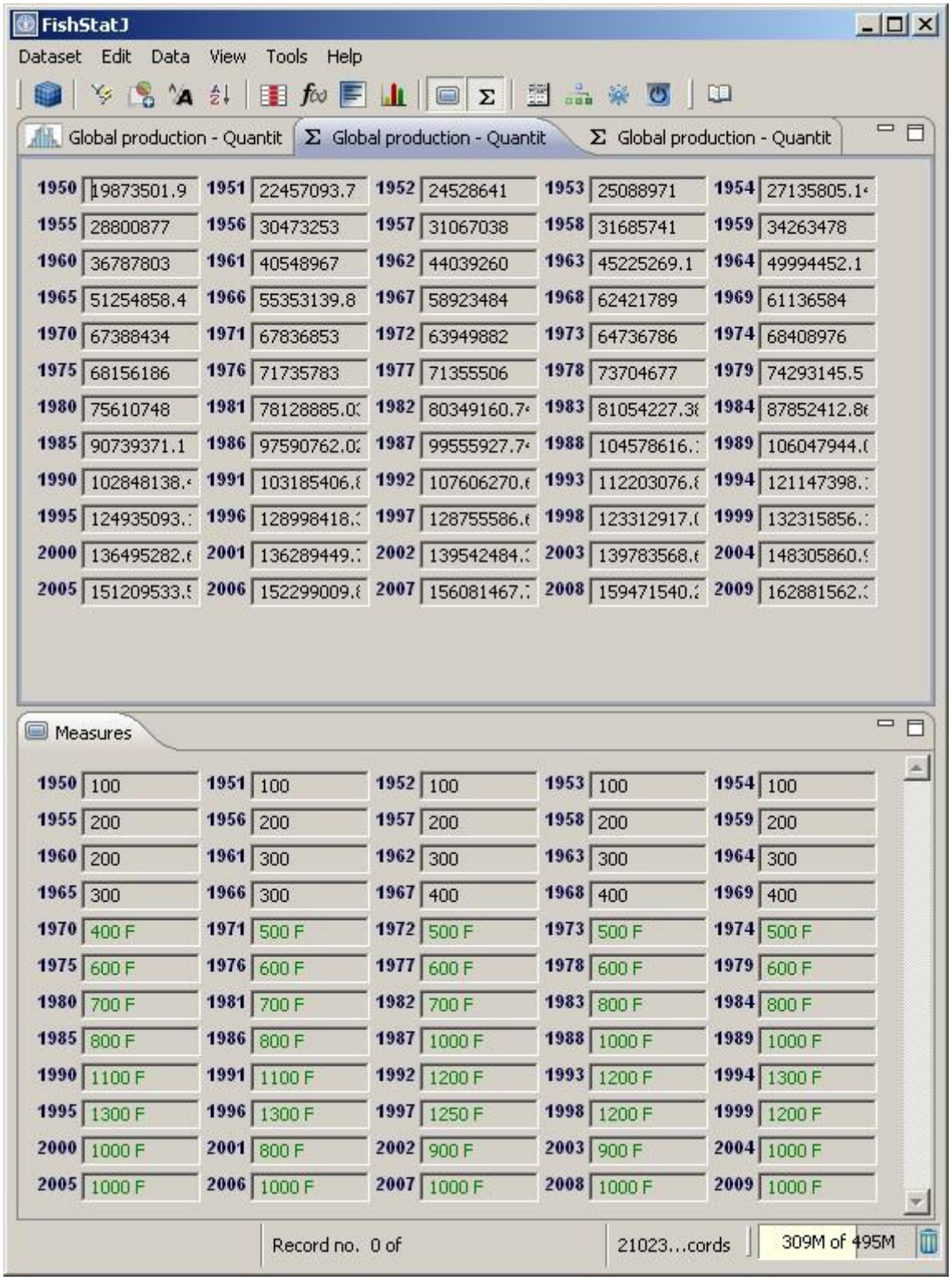

FishStatJ
Dataset Edit Data View Tools Help
Columns...
Calculated columns...
Reports...
Charts...
Show details
Grand totals
Show metadata...
Global capture pr
Global production - Quantity (1950 - 200
Country (Cou...
1951
1952
1953
Afghanistan
100
100
100
Albania
Record no. 0 of
21023...cords
488M of 912M

5.6. Grand totals

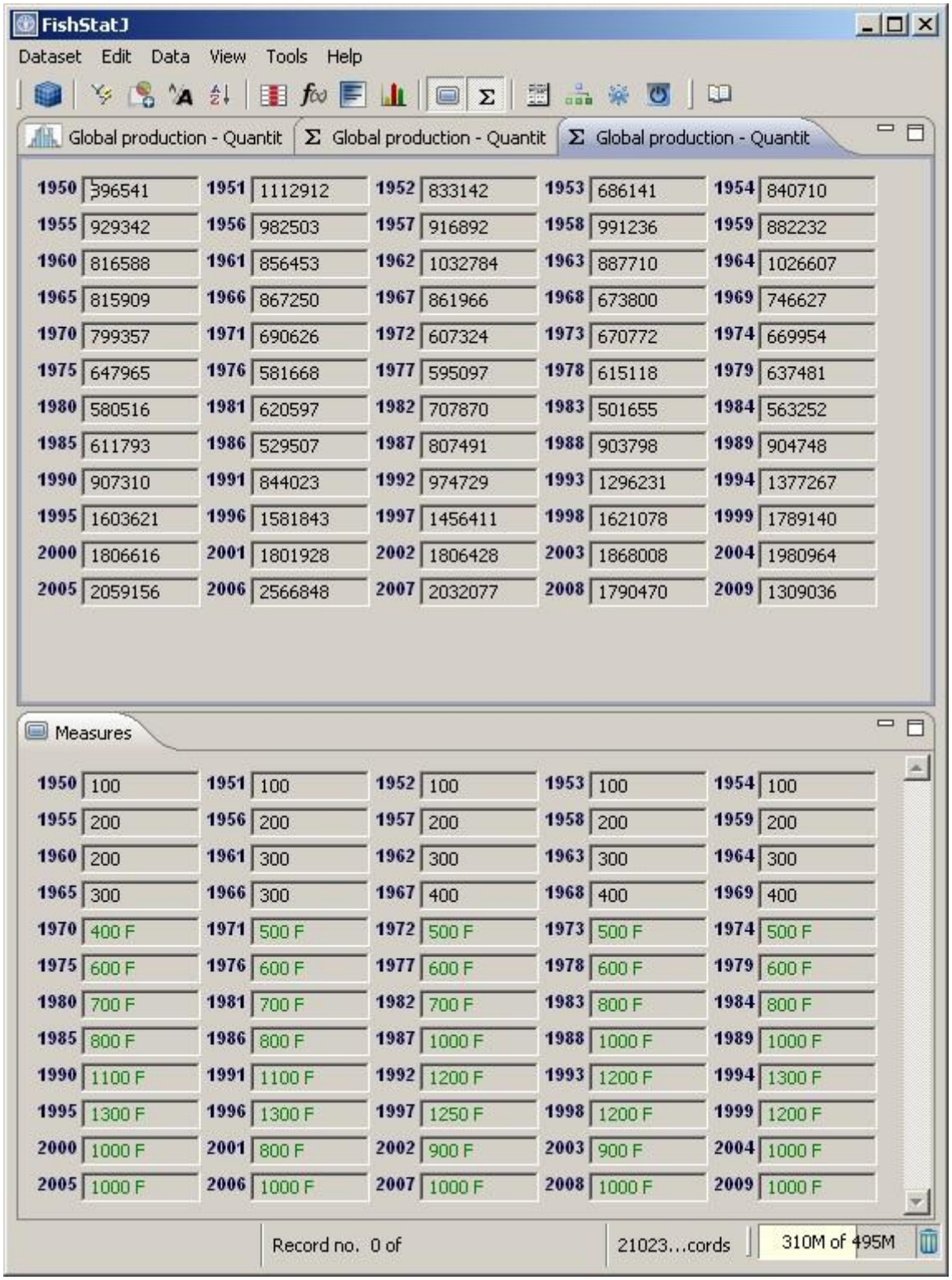


Selecting this option will create 2 (two) additional tabs in the FishStatJ display that show grand totals for the time-series.

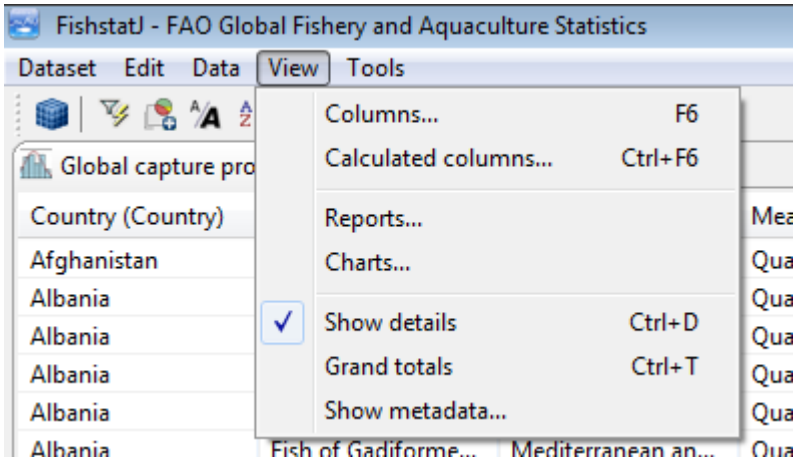
One tab will be for **Quantity (tonnes)** as shown here:



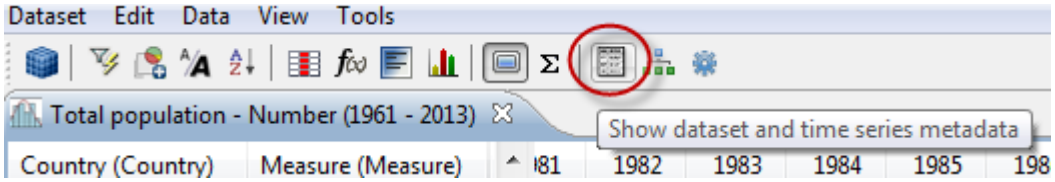
The 2nd tab will be for **Quantity (number)** as shown here:


FishStatJ
Dataset Edit Data View Tools Help
Global production - Quantit
Global production - Quantit
Global production - Quantit
1950 396541 1951 1112912 1952 833142 1953 686141 1954 840710
1955 929342 1956 982503 1957 916892 1958 991236 1959 882232
1960 816588 1961 856453 1962 1032784 1963 887710 1964 1026607
1965 815909 1966 867250 1967 861966 1968 673800 1969 746627
1970 799357 1971 690626 1972 607324 1973 670772 1974 669954
1975 647965 1976 581668 1977 595097 1978 615118 1979 637481
1980 580516 1981 620597 1982 707870 1983 501655 1984 563252
1985 611793 1986 529507 1987 807491 1988 903798 1989 904748
1990 907310 1991 844023 1992 974729 1993 1296231 1994 1377267
1995 1603621 1996 1581843 1997 1456411 1998 1621078 1999 1789140
2000 1806616 2001 1801928 2002 1806428 2003 1868008 2004 1980964
2005 2059156 2006 2566848 2007 2032077 2008 1790470 2009 1309036
Measures
1950 100 1951 100 1952 100 1953 100 1954 100
1955 200 1956 200 1957 200 1958 200 1959 200
1960 200 1961 300 1962 300 1963 300 1964 300
1965 300 1966 300 1967 400 1968 400 1969 400
1970 400 F 1971 500 F 1972 500 F 1973 500 F 1974 500 F
1975 600 F 1976 600 F 1977 600 F 1978 600 F 1979 600 F
1980 700 F 1981 700 F 1982 700 F 1983 800 F 1984 800 F
1985 800 F 1986 800 F 1987 1000 F 1988 1000 F 1989 1000 F
1990 1100 F 1991 1100 F 1992 1200 F 1993 1200 F 1994 1300 F
1995 1300 F 1996 1300 F 1997 1250 F 1998 1200 F 1999 1200 F
2000 1000 F 2001 800 F 2002 900 F 2003 900 F 2004 1000 F
2005 1000 F 2006 1000 F 2007 1000 F 2008 1000 F 2009 1000 F
Record no. 0 of
21023...cords
310M of 495M

5.7. Show metadata...

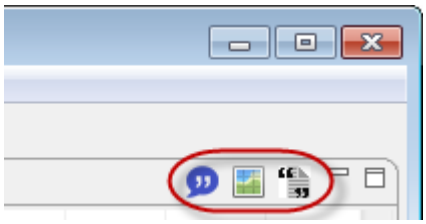


Selecting this option will display the metadata about the time-series that is selected within FishStatJ. The metadata icon from the toolbar can also be used:



An example of the metadata presented is:

5.8. Dataset citation/map/notes

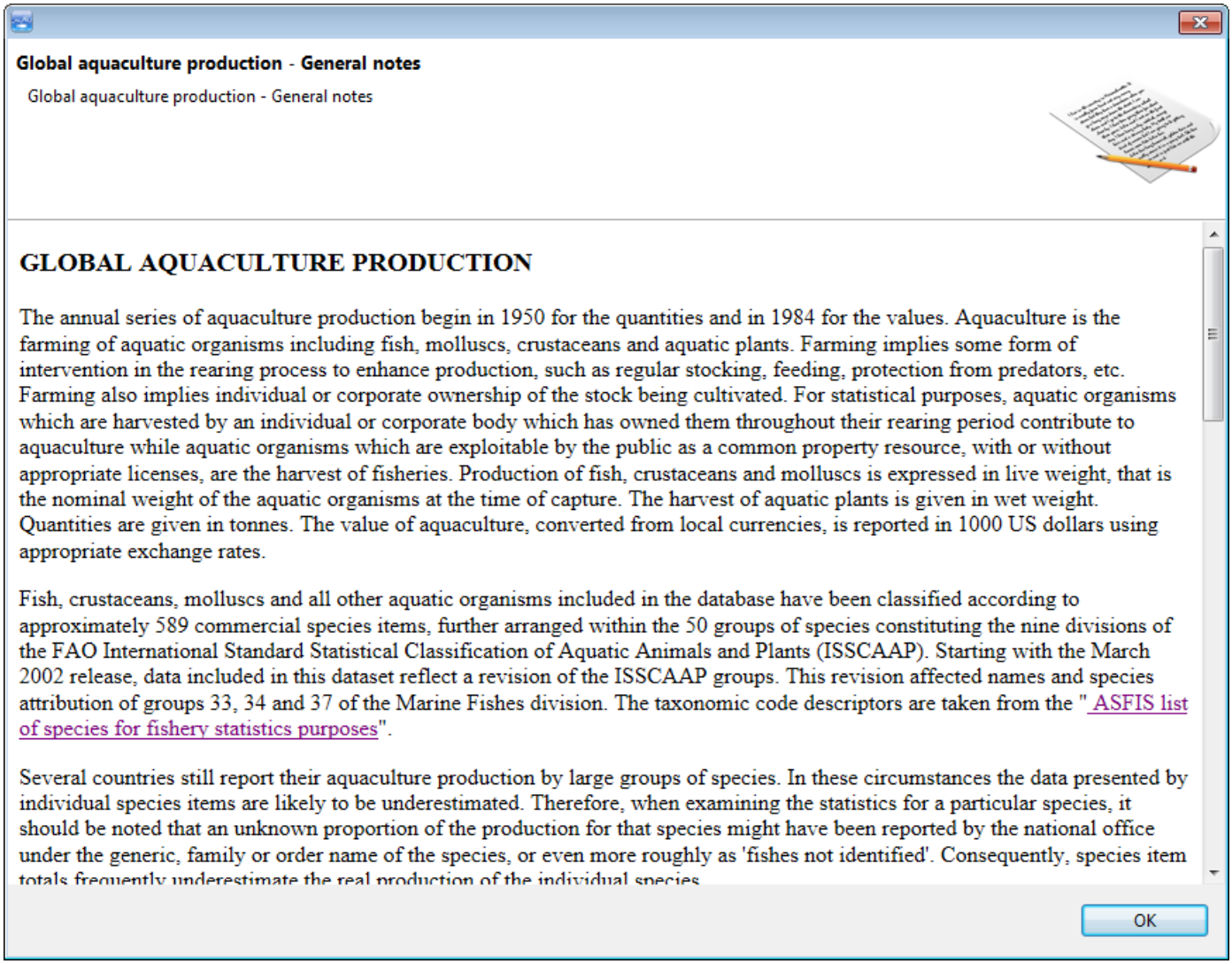


The three icons, in the order from left to right, do open:

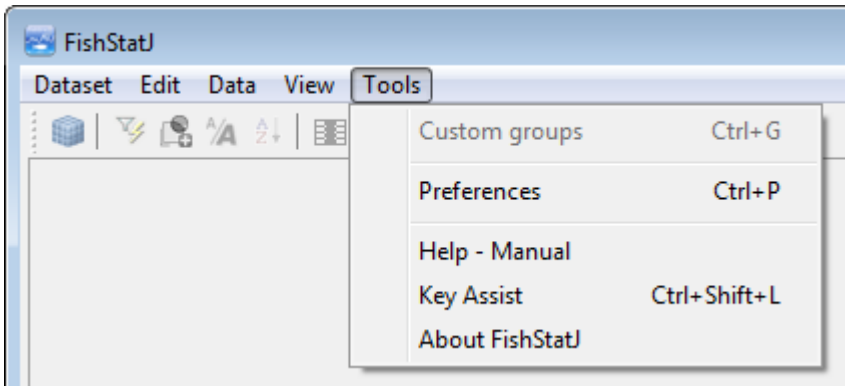
- Dataset citation (citation icon)
- Dataset map (map icon)
- Dataset notes (notes icon)

These icon are only shown; if the citation/map/notes have been defined for the dataset.

An example of the dataset notes dialog:

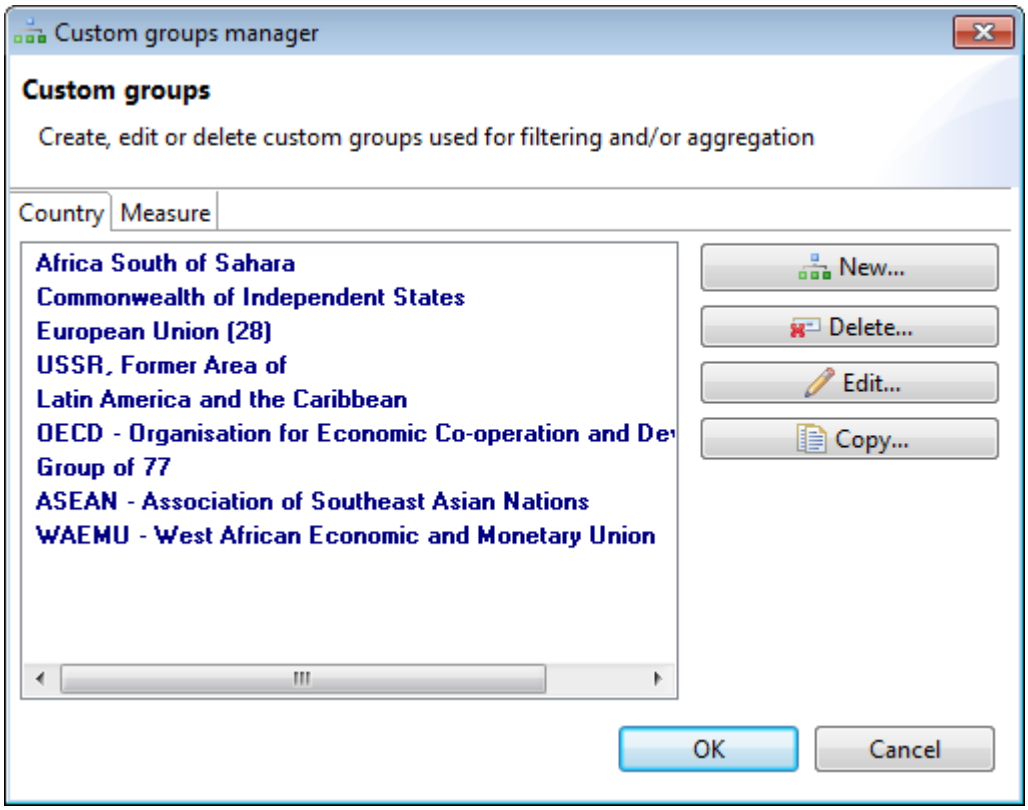


6. Tools Menu

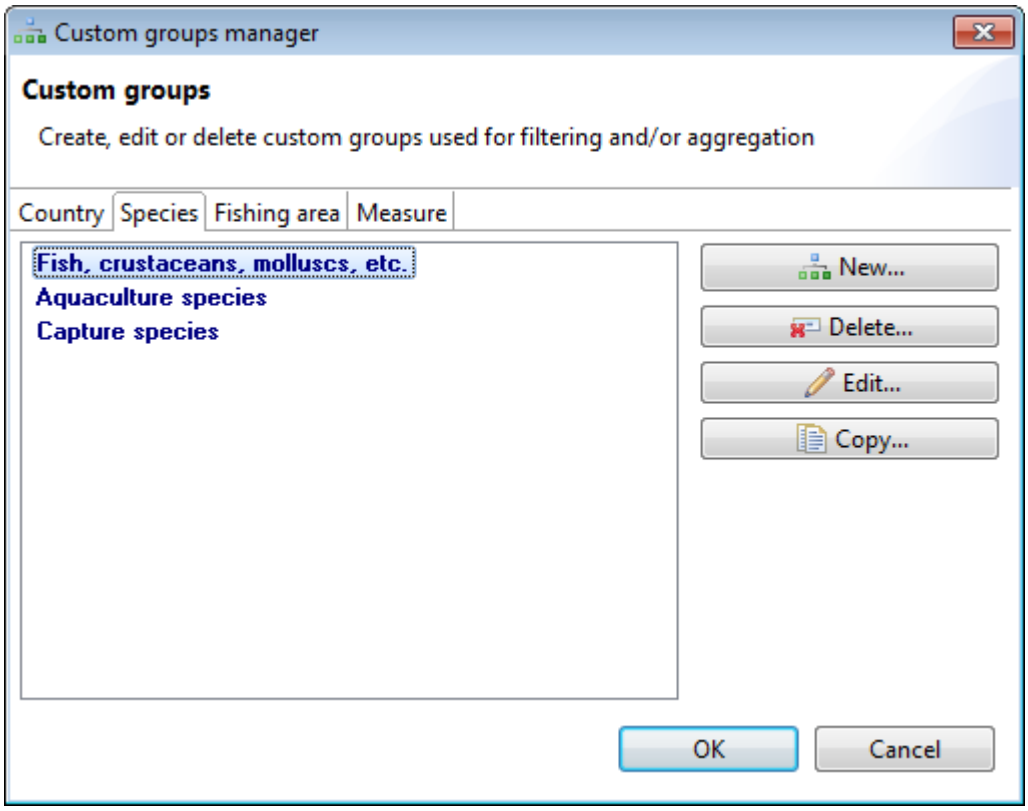


6.1. Custom groups

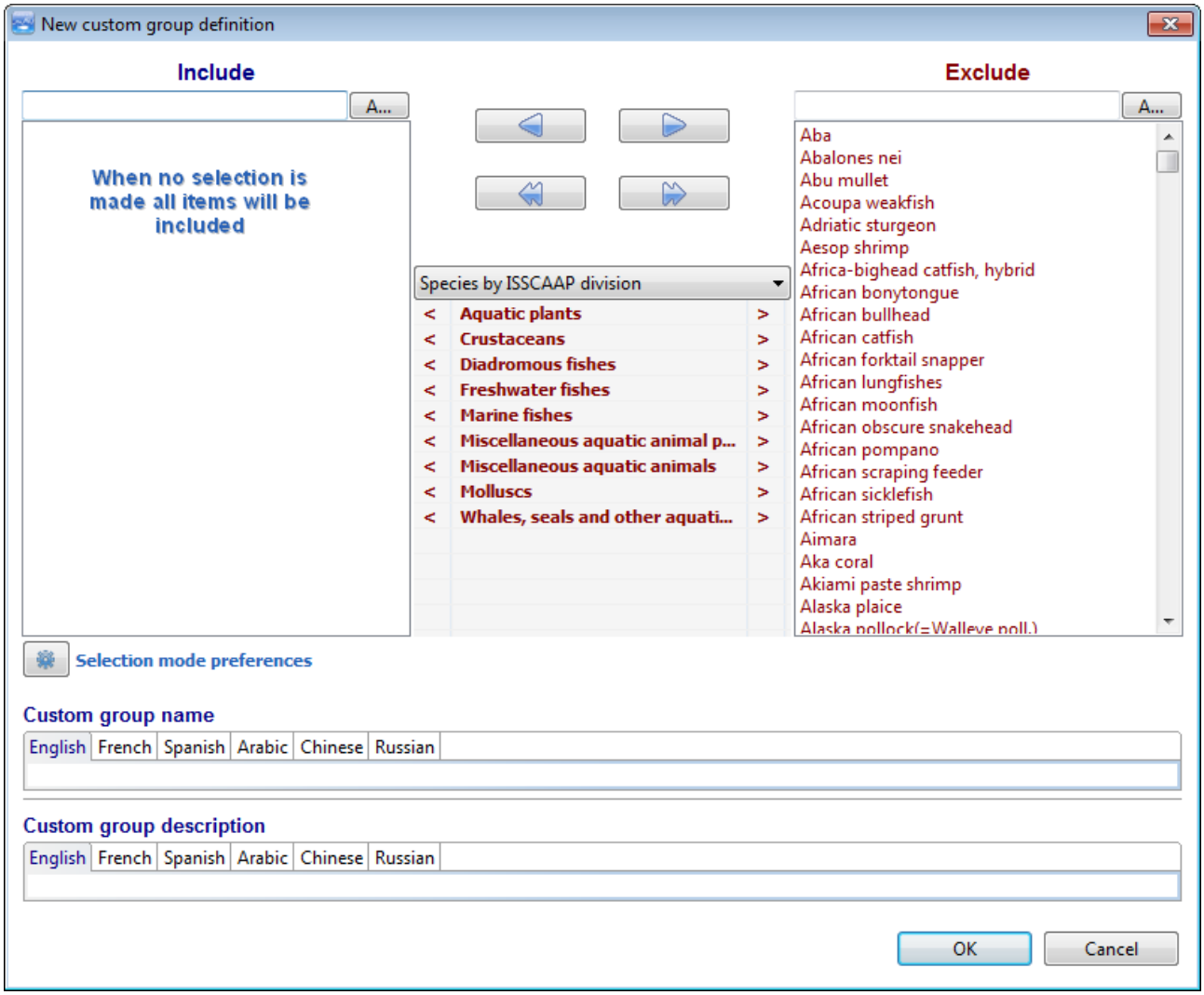
Note: The **Custom groups** menu is only available when a dataset is open.



Custom groups are pre-defined for some time-series elements. The above screen shows the custom groups for **Country** while the image below shows custom groups that already defined for **Species**



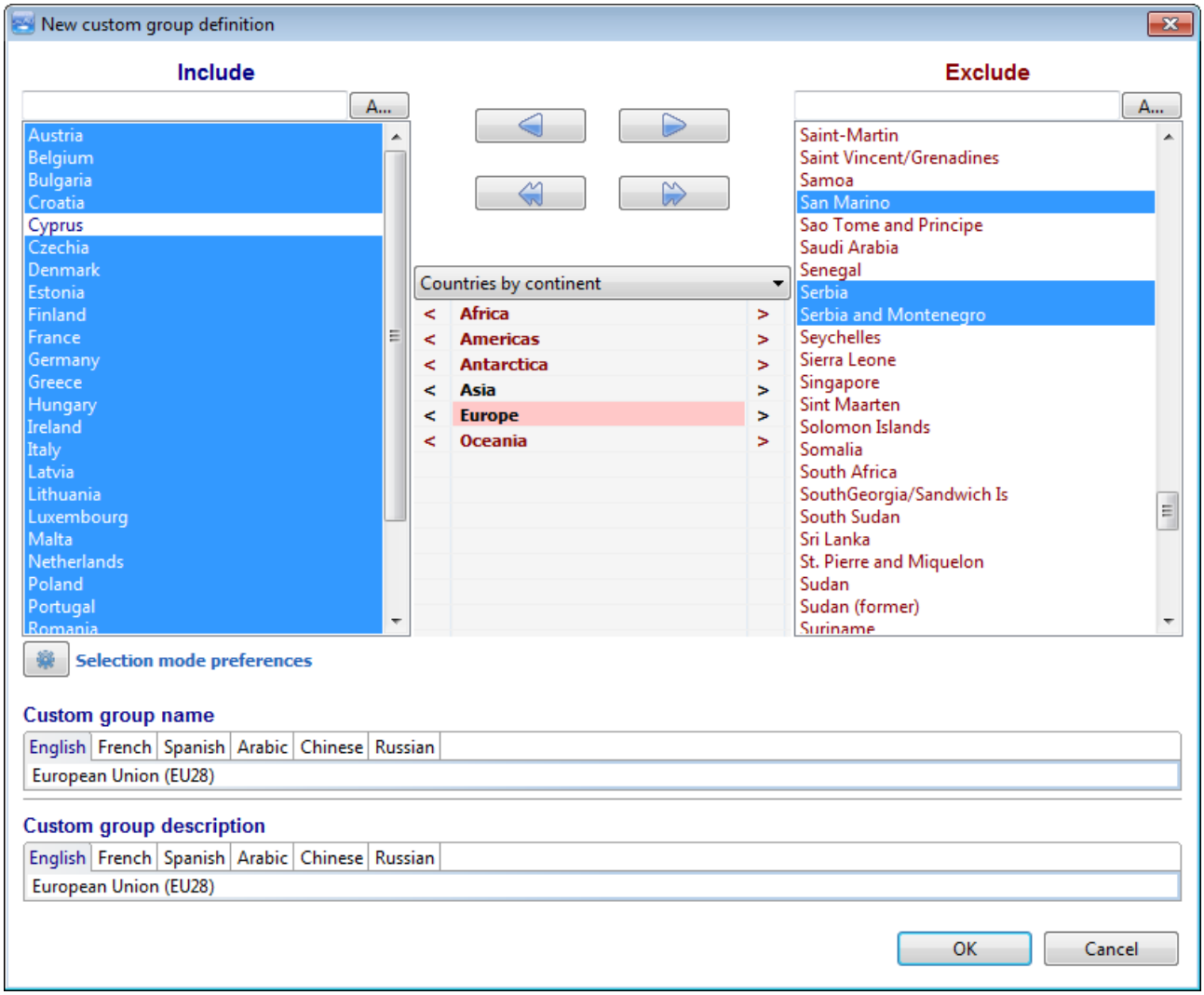
When a new custom group is to be created with the **New...** button, the **New custom group definition** popup is presented.



When an existing custom group requires editing with the **Edit...** button, the **New custom group definition** popup is presented with the existing group members listed in the **Include** field.

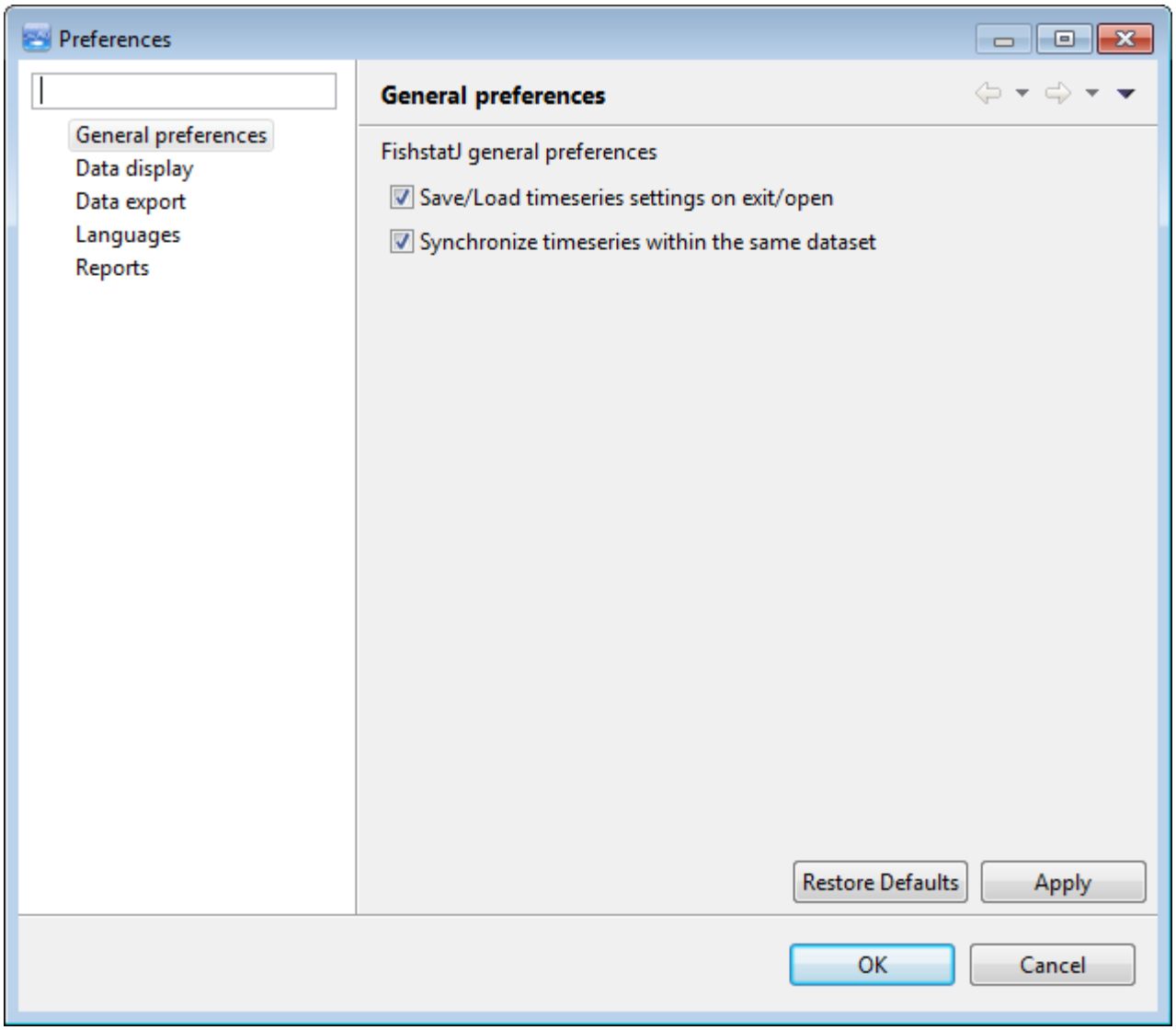
A “Custom group name” and “Custom group description” can be entered in the dialog box; as a minimum the English field should be filled.

If the data needs to be filtered – for example only a number of countries or species – then the Filter dialog is the solution (filter settings are saved and can be changed). If the user needs to analyse several groups of countries (or species, or catch areas) repeatedly, then custom groups are useful because they allow selections (custom groups) to be saved and re-used.


New custom group definition
Include
A...
Austria
Belgium
Bulgaria
Croatia
Cyprus
Czechia
Denmark
Estonia
Finland
France
Germany
Greece
Hungary
Ireland
Italy
Latvia
Lithuania
Luxembourg
Malta
Netherlands
Poland
Portugal
Romania
Countries by continent
< Africa >
< Americas >
< Antarctica >
< Asia >
< Europe >
< Oceania >
Exclude
A...
Saint-Martin
Saint Vincent/Grenadines
Samoa
San Marino
Sao Tome and Principe
Saudi Arabia
Senegal
Serbia
Serbia and Montenegro
Seychelles
Sierra Leone
Singapore
Sint Maarten
Solomon Islands
Somalia
South Africa
SouthGeorgia/Sandwich Is
South Sudan
Sri Lanka
St. Pierre and Miquelon
Sudan
Sudan (former)
Suriname
Selection mode preferences
Custom group name
English French Spanish Arabic Chinese Russian
European Union (EU28)
Custom group description
English French Spanish Arabic Chinese Russian
European Union (EU28)
OK
Cancel

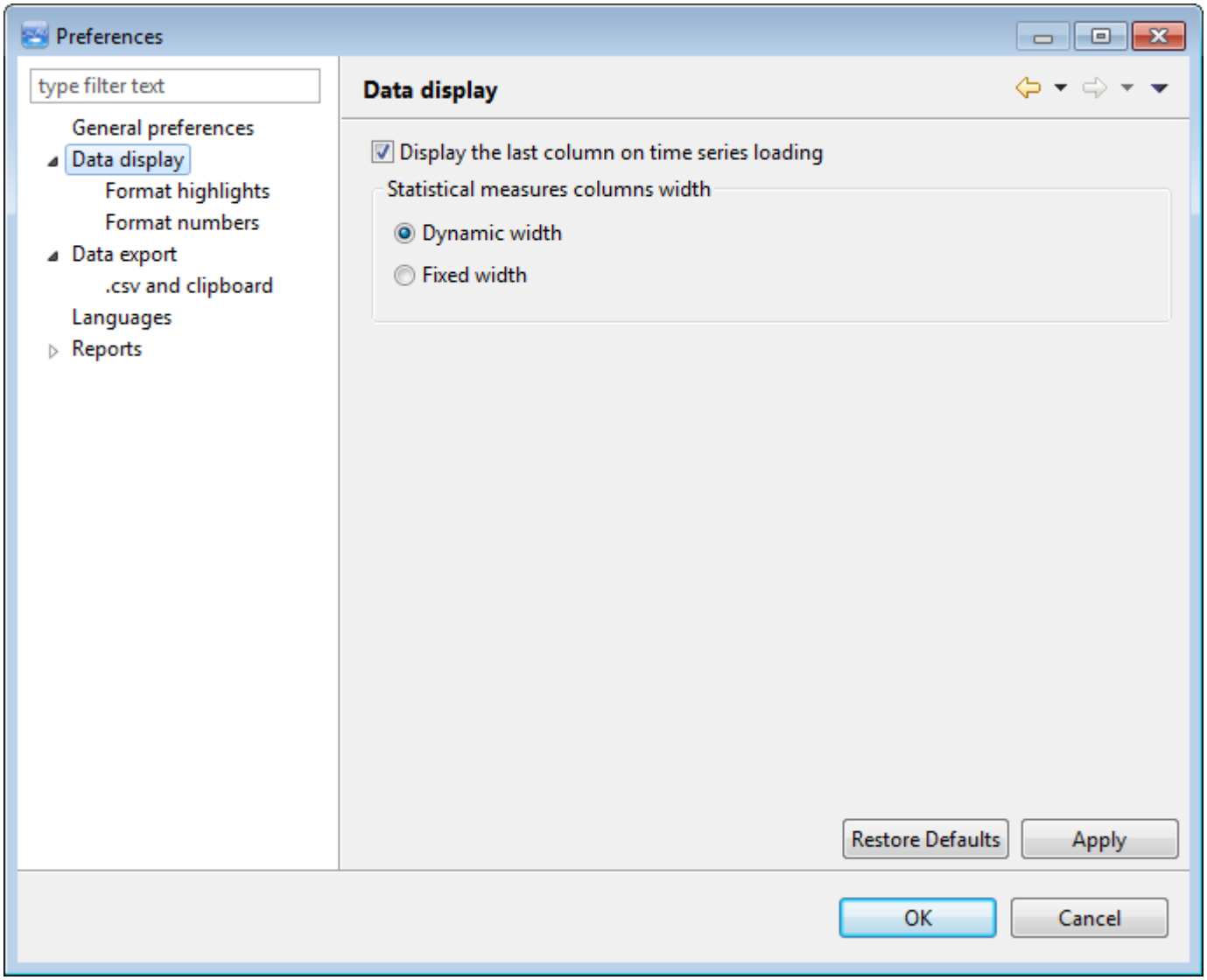
6.2. Preferences

6.2.1 Preferences - General preferences

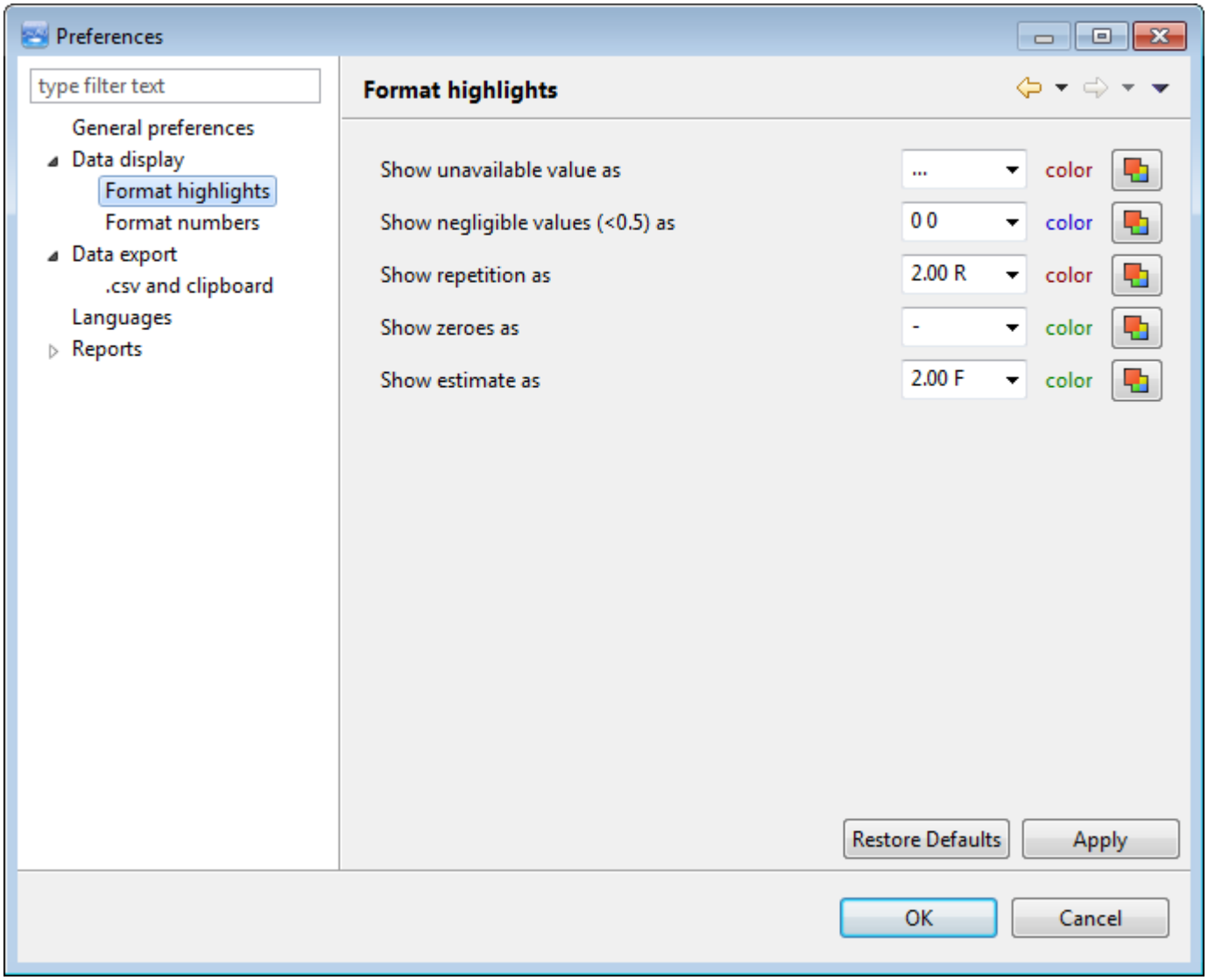


Here, the user may specify preferences on **General preferences**, **Data display**, **Data export** and **Languages**.

6.2.2 Preferences – Data display

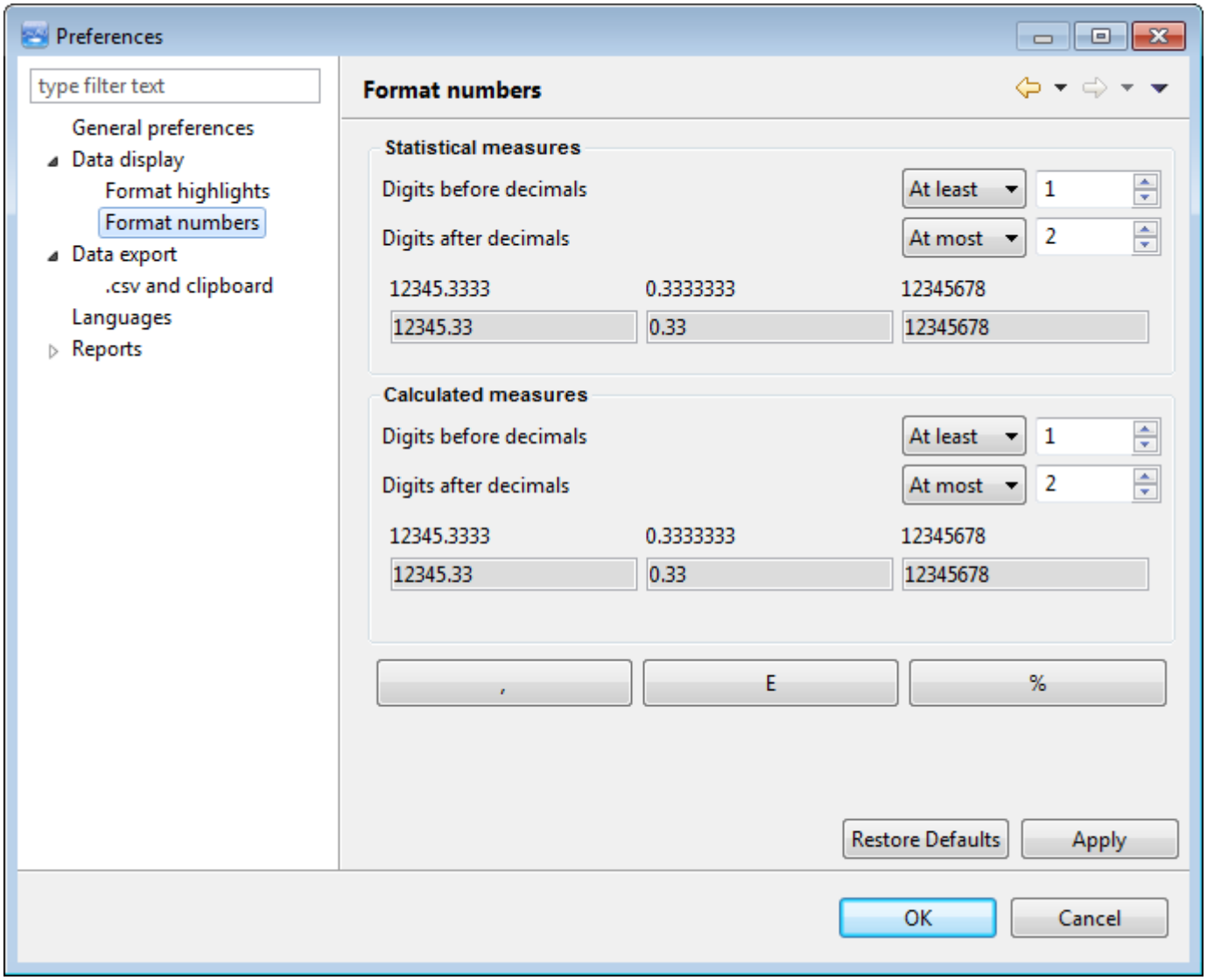


6.2.3 Preferences – Format highlights

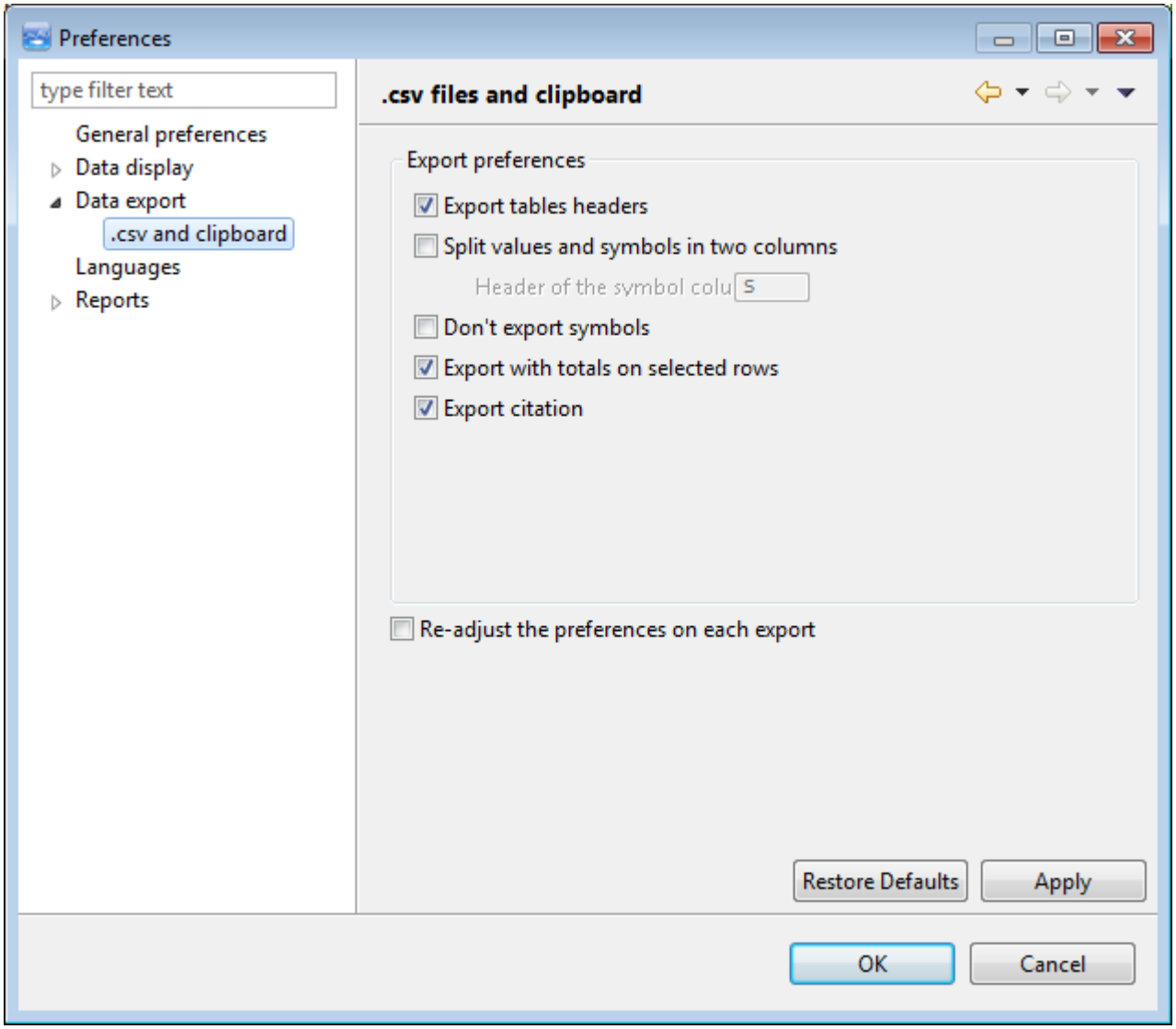


Formatting options control how data symbols are shown (set color and symbol display); the formatting is used for display and when exporting data.

6.2.4 Preferences – Format numbers



6.2.5 Preferences – Data export



- Export table headers: when selected, headers are exported
- Split values and symbols in two columns
- Don’t export symbols
- Export totals on all rows selected
- Export citation

- Re-adjust the preferences: will show the panel before each export operation to allow different settings

6.3. Help – Manual

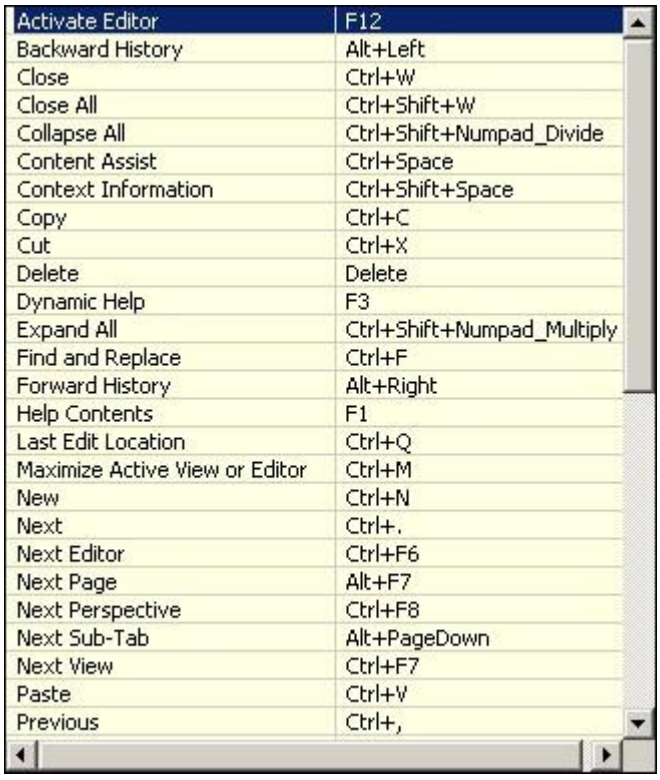
Automatically downloads the FishStatJ manual and opens it; the manual is a PDF (portable document format) file.

- Windows requires Acrobat Reader to open PDF documents
- macOS can open PDF documents using the Preview application

The manual is downloaded to the workspace folder (refer to chapter 8.4 for more details).

6.4. Key Assist

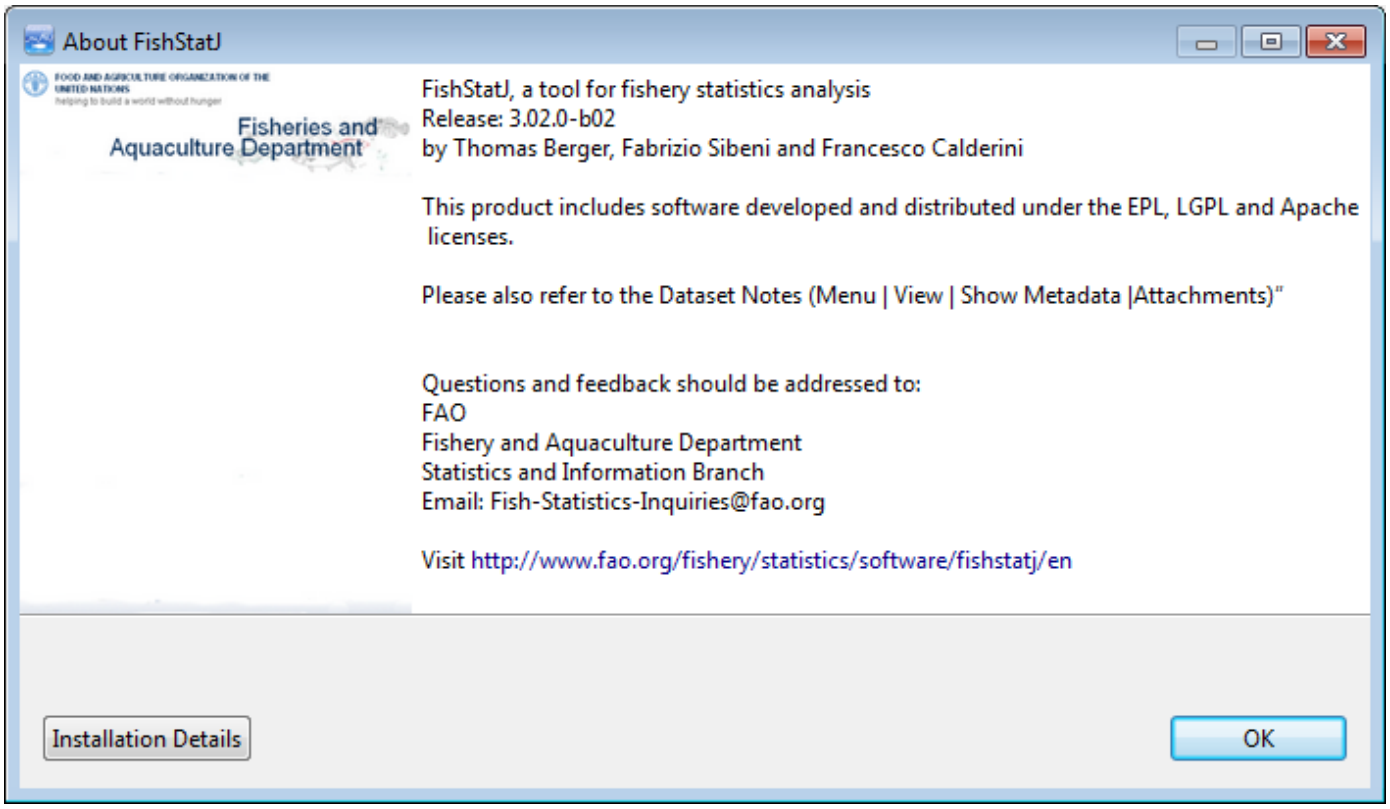
Selecting this option will display a popup listing the shortcut keys to maximize efficiency in using FishStatJ. The popup with the key shortcuts is shown here



Activate Editor	F12
Backward History	Alt+Left
Close	Ctrl+W
Close All	Ctrl+Shift+W
Collapse All	Ctrl+Shift+Numpad_Divide
Content Assist	Ctrl+Space
Context Information	Ctrl+Shift+Space
Copy	Ctrl+C
Cut	Ctrl+X
Delete	Delete
Dynamic Help	F3
Expand All	Ctrl+Shift+Numpad_Multiply
Find and Replace	Ctrl+F
Forward History	Alt+Right
Help Contents	F1
Last Edit Location	Ctrl+Q
Maximize Active View or Editor	Ctrl+M
New	Ctrl+N
Next	Ctrl+.
Next Editor	Ctrl+F6
Next Page	Alt+F7
Next Perspective	Ctrl+F8
Next Sub-Tab	Alt+PageDown
Next View	Ctrl+F7
Paste	Ctrl+V
Previous	Ctrl+,

6.5. About FishStatJ

Selecting this option will present the official FishStatJ information about version, legal use, development team and contacts for assistance. An example is:



7. Frequently asked questions (FAQ)

7.1. What does that symbol mean?

FishStatJ uses the following symbols for statistical data:

...	Data not available; unobtainable; Data not separately available but included in another category
-	Nil or zero
0	More than zero but less than half the unit used
F	FAO estimate from available sources of information

Nei means “Not elsewhere included”.

In FishStatJ, you can configure the color of the symbols in the panel:
Tools->Preferences-> Data Display->Format highlights (refer to chapter 6.2.3).

As for data and symbol export to Excel, please be informed that you can configure how data and symbols are exported (or not exported) in
Tools->Preferences-> Data export .csv and clipboard.
“Don’t export symbols” is one of the options you can select (refer to chapter 6.2.5).

7.2. Why is the grand total in FishStatJ different from the number published in the FAO yearbook?

Trying to cover all products derived from fisheries activities, in both inland and marine waters, the FAO Fishery production datasets (capture and aquaculture), include some products which are not (or not directly) destined to food consumption, such as marine mammals, crocodiles, corals, pearls, mother-of-pearl, sponges and aquatic plants. Those products are excluded from the all country, regional and world totals presented in FAO Yearbooks of Fishery Statistics as well as other FAO publications.

When viewing time-series data in FISHSTAT, in order to obtain the same aggregates you must first filter the dataset using a Custom Group:
1. Open the Filter Dialog Box (Data->Filter or F4)
2. Click the <Species> tab
3. Click the Groups combo box and select <Custom Group>
4. Click <Fish, crustaceans, molluscs, etc.>
5. Click the single left arrow in order to move under the "Include" left panel all selected species belonging to <Fish, crustaceans, molluscs, etc. (see picture below)
6. Click <OK>. The program will return you to the Main Window.

The aggregation grouping for capture and aquaculture datasets is mentioned in the dataset notes where applicable. Access to dataset notes is explained in chapter 5.8.

7.3. How to export data?

You can EXPORT data from FishStatJ in two different ways:

- You can simply copy a selection of rows and paste it on an Excel file (with the right button menu or with the Ctrl+C shortcut).
- Or you can
- The second way will allow you to choose between few export options. You can configure how data and symbols are exported (or not exported) in Tools->Preferences-> Data export .csv and clipboard

7.4. How often is the data/application updated?

We publish new data as soon as we receive the complete set from member countries and have completed our verification. Usually, datasets are updated once per year. The release time for Global Capture and Aquaculture Production is in the second quarter every year.

New or updated Datasets will automatically show in the Browse workspace menu; refer to chapter 2.1 for a detailed explanation.

When the FishStatJ application is launched, it will also check – and inform if there is a new version available for download; refer to chapter 8.5 for the auto-update notification.

Data update/revisions are explained in chapter 8.3.

7.5. How does FAO assign nationality to catches?

As established by the United Nations Statistical Commission in 1954, catches are assigned to the country of the flag flown by the fishing vessel. The flag State is also responsible for the provision of the relevant data to FAO and other organizations such as Regional Fishery Bodies (RFBs).

7.6. Prior year numbers have changed. Why?

Refer to chapter 8.3 for a discussion on data versions.

7.7. Where to find detailed notes for each dataset?

Additional information about the statistics presented in each dataset collection are available in the General notes, accessible in the Menu/View/Metadata/Attachments/#dataset – general notes (or by clicking on top right button of data panel.

Refer to chapter 5.8**Error! Reference source not found.** for viewing dataset notes.

7.8. FishStatJ is being flagged as a virus threat

There have received various reports that FishStatJ software has been falsely identified as being a virus threat. We try very hard to produce FishStatJ, and we would not knowingly distribute an infected version.

Wikipedia defines a false-positive as a false alarm
https://en.wikipedia.org/wiki/False_positives_and_false_negatives.

If you receive such alert, we suggest the following actions, in the following order:

- Please send us an e-mail (Fish-Statistics-Inquiries@fao.org), describing the anti-virus software used, and the alert message received (this way we can double-check your download, and also warn other users).
- Please inform you virus software vendor and notify them of the 'false positive' indication. The vendor can then quickly investigate (check our download) and release an update to their virus definitions (definitions are patterns to detect infected software).
- If you think FishStatJ is corrupted, the best is to re-download and expand a fresh copy.

NEVER - consider deactivating your virus protection because that would be irresponsible in this digital age!

The MacOS version is digitally signed, as such will not launch when tampered. This provides an additional layer of security (refer to chapter 1.3 for Mac security).

8. More on FishStatJ

8.1. FishStatJ legal specifications

The FishStatJ software is provided free of charge to member countries of the Food and Agriculture Organization (FAO). It may be installed on personal or company computers without restriction or license. The statistics contained in this package may be used and published freely **provided that the source is cited as FAO.**

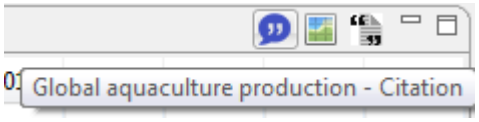
8.2. Bibliographic citation

FAO encourages the use, reproduction and dissemination of material in this information product. Except where otherwise indicated, material may be copied, downloaded and printed for private study, research and teaching purposes, or for use in non-commercial products or services, provided that appropriate acknowledgement of FAO as the source and copyright holder is given and that FAO's endorsement of users' views, products or services is not implied in any way.

All requests for translation and adaptation rights, and for resale and other commercial use rights should be made via www.fao.org/contact-us/licence-request or addressed to copyright@fao.org.

When quoting FishStatJ data, please use the reference that you can find in the General Notes attached to each dataset (FishStatJ menu: View/Show metadata/Attachments).

The citation for each dataset is available for copy/paste under the citation icon:



The bibliographic citation for FishStatJ is as following:

FAO Fisheries and Aquaculture Department, Statistics and Information Service
FishStatJ: Universal software for fishery statistical time series. Copyright 2017.

8.3. Data versioning and Data revisions

Where necessary the data published in the previous releases of the dataset(s) of fishery and aquaculture statistics are revised.

Where figures in this release differ from those previously published, the amended data represent the most recent version. Some statistics provided to FAO by national offices, in particular those for most recent year, are provisional and may be amended in future editions.

The version and revision of the data installed, and version/revision of data available for download are visible in the Browse workspace menu; refer to chapter 2.1.

For example the version is "2017.1.0"

Major version: is the year when the data was released (2017)
Minor version: is the release (1) and revision number (0)

Occasionally, we find errors, or we receive data from member countries after the release of the FishStatJ workspace. In these rare cases, we release a new revision of the data by increasing the revision number. This way, the new version is automatically visible in the workspace browser as a new download. In this case, we would also include an explanation in the dataset notes; refer to chapter 5.8 how to view dataset notes.

8.4. Un-installing FishStatJ

FishStatJ is un-installed by deleting the FishStatJ application folder (macOS: the application icon).

FishStatJ stores imported workspaces (and application files) in the user home directory; these can be deleted as well:

- For Windows enter **%USERPROFILE%/fishstatj_workspace** in the Run menu
- For OSX Finder enter **~/fishstatj_workspace** in **Go->Go to Folder** menu

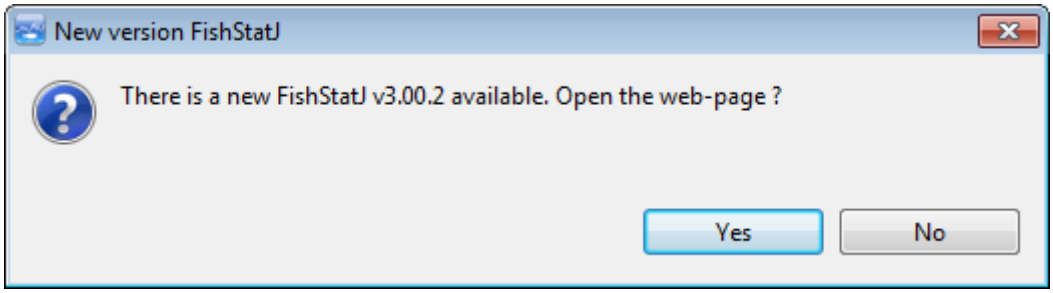
FishStatJ is a cross-platform application and therefore does not use the Windows-registry, it stores all data and settings in the user home directory as described above.

8.5. FishStatJ Auto-update

Starting with version 3.01 FishStatJ has automatic update capability built in. At program launch a very small file (~1KB) is read from the FAO web-site (http://www.fao.org). If there is no internet connection, auto update is disabled gracefully – the notification of a new program version is not available, and no workspaces are shown for automatic download.

If there are updated workspaces available, they will automatically appear; please refer to Browse workspace.

When we release a new version of FishStatJ, you will see the following message at program startup:



Clicking the Yes button will open the FishStatJ web-page in the web-browser where program updates can be downloaded.

8.6. Assistance and Contact

On the FishStatJ web-page (http://www.fao.org/fishery/statistics/software/fishstatj/en) you can find

- New program versions for download
- A quick-start guide for installing the program
- The download link to this manual
- The e-mail contact for support (Fish-Statistics-Inquiries@fao.org)