



Eurostat Dissemination

Changes in TSV file format in new applications

Migrating from the Bulk Download to the new dissemination API

User Documentation

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Eurostat data download – Upcoming changes to Eurostat TSV files format

Changes to TSV - Comparison overview

[Bulk Download](#) has so far been one of the main dissemination channels for Eurostat data.

In the context of the renovation of the Eurostat dissemination, the Bulk Download is replaced by a new dissemination API, which also exposes TSV as a format.

There are however a number of differences, i.e.

Item	Difference type	TSV files in Bulk Download	TSV files in the dissemination API
1	Structural change Dimension name case	Lower case letters	Upper case letters
2	Structural change Additional FREQ (frequency) column	There is no column "FREQ"	Additional column: "FREQ"
	Import time series with multiple FREQ=A, Q and M (annual, quarterly and monthly)	There is only one time series which includes the annual, quarterly and monthly values	There are three time series. There is one time series for the annual data, one for the quarterly data and one for the monthly data
3	Structural change Time dimension name	Time dimension is named "time"	Time dimension is named "TIME_PERIOD"
4	Structural change Time periods	Time periods are sorted in descending order	Time periods are sorted in ascending order
5	Change in data Time period code	The notation for the <ul style="list-style-type: none"> • semester is YYYY\$N (ex. 2015\$1) • quarter is YYYYQN (ex. 2015Q4) • month is YYYYMNN (ex. 2015M02) • week is YYYYWNN (ex. 2015W01) • day is YYYYMNNNDNN (ex. 2019M06D13) Characters in bold are fixed.	The notation for the <ul style="list-style-type: none"> • semester is YYYY-SN (ex. 2015-S1) • quarter is YYYY-QN (ex. 2015-Q4) • month is YYYY-MM (ex. 2015-02) • week is YYYY-WNN (ex. 2015-W01) • day is YYYY-MM-DD (ex 2015-12-31) Characters in bold are fixed.
6	Change in data Usage of colons ":"	The colons mean "not available"	Some cells are "Not applicable" but contain the colon character (see the example in the detailed explanations)

This document illustrates changes based on a few datasets:

- Population change - Demographic balance and crude rates at national level "DEMO_GIND" (single time series)
- Freight and mail air transport between the main airports of Montenegro and their main partner airports (routes data) "AVIA_GOR_ME" (multiple time series)
- Tropical wood imports to the EU from chapter 44 of the Harmonised System "FOR_TROP" (multiple time series)

Changes in TSV file format in new applications

Changes to TSV - Detailed explanations

Main examples

Here are two examples with the DEMO_GIND dataset:

Bulk Download – Example dataset with a single time series

indic_de	geo\time	2021	2020	2019	2018	2017	2016	2015	2014	...
AVG	BE	:	11538604	11488980	11427054	11375158	11331422	11274196	11209057	...

Dissemination API – Example dataset with a single time series

freq	indic_de	geo\TIME_PERIOD	...	2014	2015	2016	2017	2018	2019	2020	2021
A	AVG	BE	...	11209057	11274196	11331422	11375158	11427054	11488980	11538604	:

Bulk Download – Example dataset with multiple time series

Here are two examples with AVIA_GOR_ME dataset:

unit	tra_meas	airp_pr\time	...	2019Q4	2019Q3	2019Q2	2019Q1	2019M12	2019M11	2019M10	...	2019M02	2019M01	2019	...
T	FRM_BRD	ME_LYPG_AT_LOWW	...	21.4	19.2	15.2	14.7	5.8	6.7	8.9	...	4.4	5.1	70.6	...

Dissemination API – Example dataset with multiple time series

freq	unit	tra_meas	airp_pr\TIME_PERIOD	...	2019	2019-01	2019-02	...	2019-10	2019-11	2019-12	2019-Q1	2019-Q2	2019-Q3	2019-Q4	...
A	T	FRM_BRD	ME_LYPG_AT_LOWW	...	70.6	:	:	...	:	:	:	:	:	:	:	...
M	T	FRM_BRD	ME_LYPG_AT_LOWW	...	:	5.1	4.4	...	8.9	6.7	5.8	:	:	:	:	...
Q	T	FRM_BRD	ME_LYPG_AT_LOWW	...	:	:	:	...	:	:	14.7	15.2	19.2	21.4	...	

Detailed description of differences

Structural change - Dimension name case

What is the change?

- First column-Header line: in the New API the “dimension name case” **may be** written in upper case letters.

Bulk Download – Example

unit	Tra_meas	airp_pr\time
------	----------	--------------

Dissemination API – Example

FREQ	UNIT	TRA_MEAS	AIRP_PR\TIME_PERIOD
------	------	----------	---------------------

Structural change - Additional FREQ (frequency) column

What is the change?

- Header line: in the New API, the “FREQ” is added in the series keys. The letter in the column “FREQ” represents the frequency.
- With a multiple time series: If there are three frequencies “A, Q and M”, there will be three time series. There is one time series for the annual data, one for the quarterly data and one for the monthly data

Changes in TSV file format in new applications

Bulk Download – Example with a single time series: series keys

indic_de	geo\time
AVG	BE

Dissemination API – Example with a single time series: series keys

freq	indic_de	geo\TIME_PERIOD
A	AVG	BE

Bulk Download – Example with a multiple time series: series keys

unit	tra_meas	airp_pr\time	...	2019Q4	2019Q3	2019Q2	2019Q1	2019M12	2019M11	2019M10	...	2019M02	2019M01	2019	...
T	FRM_BRD	ME_LYPG_AT_LOWW	...	21.4	19.2	15.2	14.7	5.8	6.7	8.9	...	4.4	5.1	70.6	...

Dissemination API – Example with a multiple time series: series keys

freq	unit	tra_meas	airp_pr\TIME_PERIOD	...	2019	2019-01	2019-02	...	2019-10	2019-11	2019-12	2019-Q1	2019-Q2	2019-Q3	2019-Q4	...
A	T	FRM_BRD	ME_LYPG_AT_LOWW	...	70.6	:	:	...	:	:	:	:	:	:	:	...
M	T	FRM_BRD	ME_LYPG_AT_LOWW	...	:	5.1	4.4	...	8.9	6.7	5.8	:	:	:	:	...
Q	T	FRM_BRD	ME_LYPG_AT_LOWW	...	:	:	:	...	:	:	:	14.7	15.2	19.2	21.4	...

Structural change - Time dimension name

What is the change?

- Dimension 'time' becomes 'TIME_PERIOD'

Bulk Download – Example

indic_de	geo\time
----------	----------

Dissemination API – Example

FREQ	INDIC_DE	GEO\TIME_PERIOD
------	----------	-----------------

Structural change - Time period sorting

What is the change?

- In the Dissemination API, time periods are sorted in ascending order.

Bulk Download – Example with a single time series

2013	2012	2011	2010	2009
------	------	------	------	------

Dissemination API – Example with a single time series

2009	2010	2011	2012	2013
------	------	------	------	------

Bulk Download – Example with multiple time series

1999Q4	1999Q3	1999Q2	1999Q1
--------	--------	--------	--------

Changes in TSV file format in new applications

1999M12	1999M11	1999M10	1999M09	1999M08	1999M07	1999M06	1999M05	1999M04	1999M03	1999M02	1999M01	1999
---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	------

Dissemination API – Example with multiple time series

1999	1999-01	1999-02	1999-03	1999-04	1999-05	1999-06	1999-07	1999-08	1999-09	1999-10	1999-11	1999-12
------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------

1999-Q1	1999-Q2	1999-Q3	1999-Q4
---------	---------	---------	---------

Change in data - Time period code

What is the change?

Notation **YYYYSN** for the semester in Bulk Download becomes **YYYY-SN** in the dissemination API

Notation **YYYYQN** for the quarter in Bulk Download becomes **YYYY-QN** in the dissemination API

Notation **YYYYMNN** for the month in Bulk Download becomes **YYYY-NN** in the dissemination API

Notation **YYYYWNN** for the week in Bulk Download becomes **YYYY-WNN** in the dissemination API

Notation **YYYYMNNNDNN** for the day in Bulk Download becomes **YYYY-MM-DD** in the dissemination API

Characters in bold are fixed.

Bulk Download – Example

The notation for the semester is **YYYYSN**: 2015S2

The notation for the quarter is **YYYYQN**: 2015Q1

The notation for the month is **YYYYMNN**: 2015M01

The notation for the week is **YYYYWNN**: 2015W01

The notation for the day is **YYYYMNNNDNN**: 2015M06D13

2015S2

1999Q4	1999Q3	1999Q2	1999Q1	1999M12
--------	--------	--------	--------	---------

Dissemination API – Example

The notation for the semester is **YYYY-SN**: 2015-S1

The notation for the quarter is **YYYY-QN**: 2015-Q1

The notation for the month is **YYYY-NN**: ex. 2015-01

The notation for the week is **YYYY-WNN**: ex. 2015-W01

The notation for the day is **YYYY-MM-DD**: ex. 2015-12-31

2015-S2

1999-12	1999-Q1	1999-Q2	1999-Q3	1999-Q4
---------	---------	---------	---------	---------

Changes in TSV file format in new applications

Change in data: Usage of colons ":"

What is the change?

In Bulk Download the colons mean "**not available**", while in the dissemination API the colons can have two meanings: "**not available**" or "**not applicable**".

Bulk Download – Example with multiple time series

unit	tra_meas	airp_pr\time	2019Q1	2019M01	2019
T	FRM_BRD	ME_LYPG_AT_LOWW	14.7	5.1	70.6

currency,post,stk_flow,s_adj,partner,geo\time	1999	1999M01	1999Q1
MIO_EUR,010,CRE,NSA,EXT_EA16,EA16	1353651	100001	311078

Dissemination API – Example with multiple time series

A cell contains a colon if no value is available for a time period i.e. the colon means "not available".

For a time period that does not match the frequency indicated in the series key, the colon means "not applicable". As an example, if the series key indicates "A" (annual) as a frequency, there cannot be a value for a monthly time period.

freq	unit	tra_meas	airp_pr\TIME_PERIOD	2019	2019-01	2019-Q1
A	T	FRM_BRD	ME_LYPG_AT_LOWW	70.6	:	:
M	T	FRM_BRD	ME_LYPG_AT_LOWW	:		5.1:
Q	T	FRM_BRD	ME_LYPG_AT_LOWW	:		14.7

is to be understood as

freq	unit	tra_meas	airp_pr\TIME_PERIOD	2019	2019-01	2019-Q1
A	T	FRM_BRD	ME_LYPG_AT_LOWW	70.6	Not applicable	Not applicable
M	T	FRM_BRD	ME_LYPG_AT_LOWW	Not applicable		5.1 Not applicable
Q	T	FRM_BRD	ME_LYPG_AT_LOWW	Not applicable	Not applicable	14.7

Eurostat data download – Upcoming changes in the way of consuming data

There are mainly two use cases:

- Automated and
- Manual

data consumption.

	Automated download	Manual download
Renovated Eurostat dissemination	Dissemination API (Web Services : REST and SOAP)	Data Browser
Legacy Eurostat dissemination	Bulk download Navigation Tree	Data Explorer Tables Graphs and Maps

Automated data download – Changes

Table of Content – XML and TXT formats

The Eurostat Table of Content

- Contains the Eurostat dataset catalogue hierarchically organized as in the [Navigation Tree](#).
- Is generated every day at 11 AM and 11 PM with latest information both in TXT and XML formats.

It is up to (automated) data consumers to parse this Table of Content every day at 11 AM and 11 PM, in order to get a list of datasets updated.

The URL of the legacy web service where the TOC can be downloaded at:

http://ec.europa.eu/eurostat/estat-navtree-portlet-prod/BulkDownloadListing?sort=1&file=table_of_contents.xml

What is the change?

In the Dissemination API, the XML and the TXT version of the Table of Content remain, yet:

- They both contain the last update date per dataset.
- The XML version has one file that contains the 3 languages (EN, DE, FR).
- The TXT version consists of three separate files i.e. one per language.
- The URL to get the Table of Content will change

Table of content – PDF format is no longer supported

What is the change?

The table of content of Eurostat data for download in PDF format is no longer supported in the Dissemination API, i.e. the Bulk Download files

- table_of_contents_de.pdf
- table_of_contents_en.pdf
- table_of_contents_fr.pdf

are no longer supported.

Table of content – Structural change for TOC.XML XSD

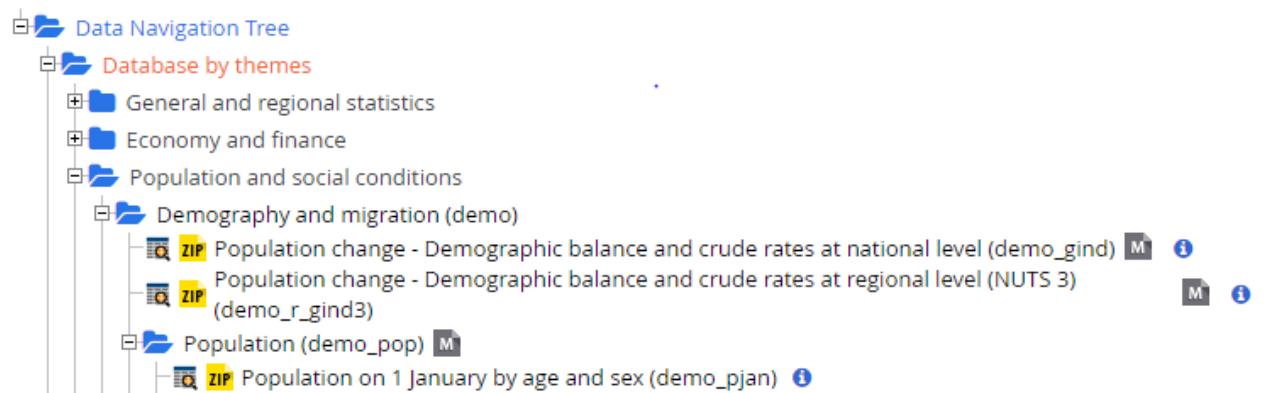
The XML schema definition (XSD) for the Table of Content reflects the structure of the navigation tree

The legacy XSD is available at:

<http://ec.europa.eu/eurostat/estat-navtree-portlet-prod/xsd/TableOfContent.xsd>

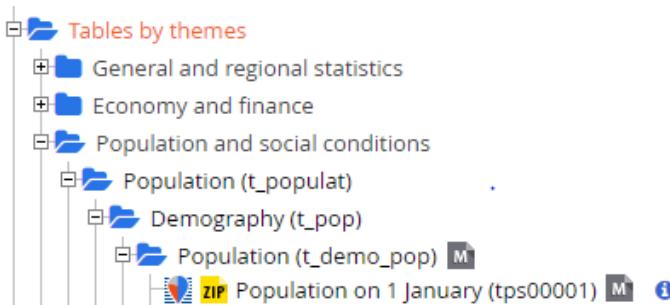
The navigation tree in legacy Eurostat dissemination is structured in

- Database by themes



- Tables by themes

Changes in TSV file format in new applications



What is the change?

In the renovated Eurostat dissemination, there is no distinction anymore between "Database by themes" and "Tables by theme", as a dataset can be the parent of one or more data subset(s) called "extraction(s)".

Example:

- The "Population on 1 January (tps00001)" extraction is located under the "Population on 1 January by age and sex (demo_pjan)" dataset.

The structure i.e. XSD for the "table_of_contents.xml" (TOC) file is consequently modified.

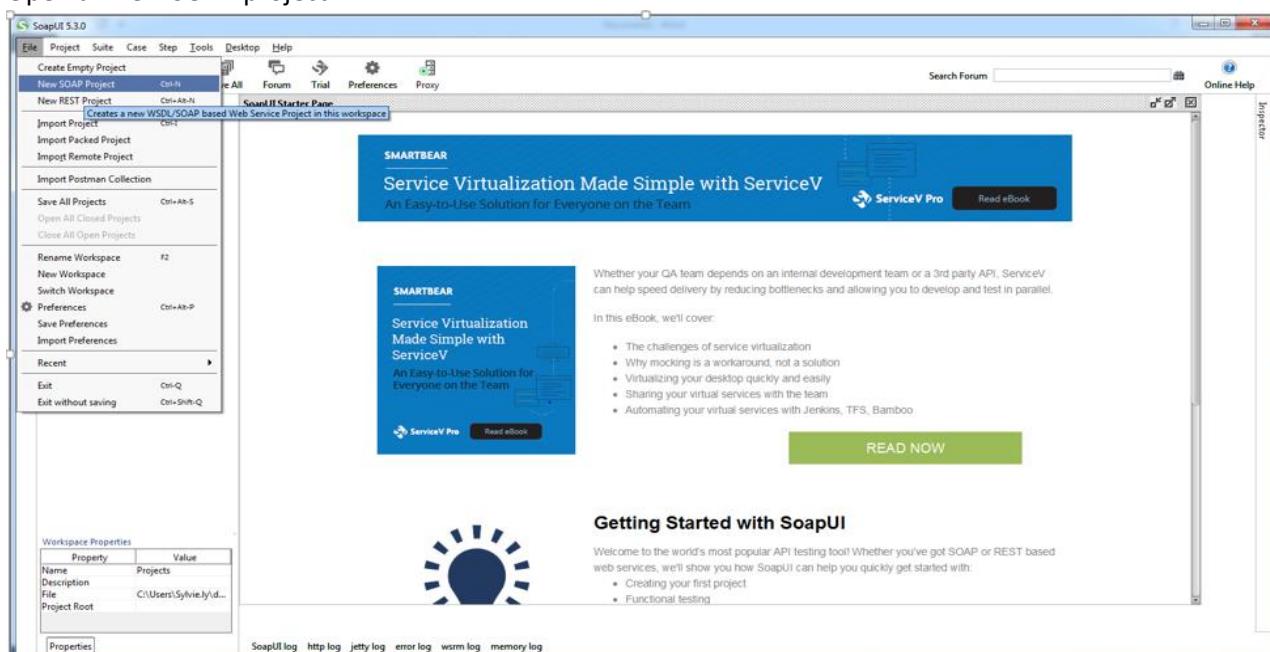
The XSD for the renovated Eurostat dissemination is not yet available at this stage.

Automated data download - How to connect and retrieve data from the Dissemination API?

SOAP (Simple Object Access Protocol) Protocol

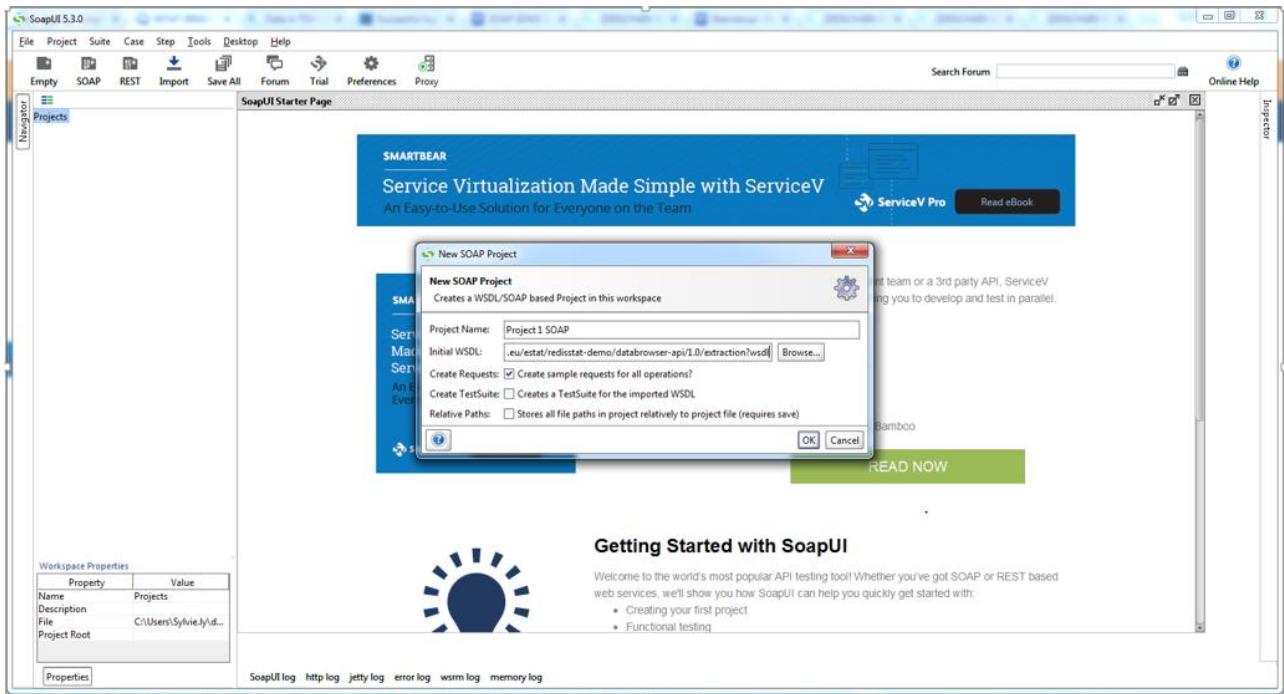
We detail the next steps using [SoapUI](#) API testing tool.

Open a "New SOAP project".



Add a WSDL link to create a project.

Changes in TSV file format in new applications



SOAP endpoint – WSDL

An endpoint describes the type of messages and responses that can be expected from the web service.

Dissemination (public access to data not under embargo)	https://ec.europa.eu/eurostat/api/dissemination/sdmx/2.1/sdmx-ws?wsdl
--	---

Examples

Example of SOAP request for the dataset "AVIA_GOR_ME" and format name="TSV"

The Query request message contains two main sections:

- Header
- QueryRequest

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
    xmlns:ext="http://estat.ec.europa.eu/disschain/soap/extraction"  
    xmlns:quer="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/query"  
    xmlns:ext1="http://estat.ec.europa.eu/disschain/extraction"  
    xmlns:com="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/common">  
    <soapenv:Header/>  
    <soapenv:Body>  
        <ext:data>  
            <query>  
                <quer:ReturnDetails/>  
                <quer:DataWhere>  
                    <quer:Dataflow>  
                        <Ref agencyID="ESTAT" id=" AVIA_GOR_ME" version="1.0" />  
                    </quer:Dataflow>  
                </quer:DataWhere>  
            </query>  
            <format name="TSV"/>  
        </ext:data>  
    </soapenv:Body>  
</soapenv:Envelope>
```

Changes in TSV file format in new applications

Example of SOAP response for the dataset “AVIA_GOR_ME” and format name=”TSV”:

```
<S:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
    <env:Header/>
    <S:Body>
      <ext:extractResponse
        xmlns:ext="http://estat.ec.europa.eu/disschain/internal/soap/extraction">
        <time>417</time>
        <data>
          <Include href="cid:0b690deb-c371-40b6-ac54-f99d86c6b6e8"/>
        </data>
      </ext:extractResponse>
    </S:Body>
  </S:Envelope>
```

The API should return a valid message with the dataset as an attachment

SoapUI 5.3.0

File Project Suite Case Step Tools Desktop Help

Empty SOAP REST Import Save All Forum Trial Preferences Proxy

Search Forum Online Help

Navigator: ESTAT DISSCHAIN ACC extraction endpoints

- AsynchGetService
- AsynchSoapService
- ExtractionRestService
- ExtractionSoapService
- GetData
 - GetCategorisation_SDMX_2_1_GENERIC
 - GetCategoryScheme_SDMX_2_1_GENERIC
 - GetCSV
 - GetCodeList
 - GetCodeList_JSON-STAT
 - GetCodeList_CSV
 - GetCodeList_SDMX_2_0_GENERIC
 - GetCodeList_SDMX_2_1_GENERIC
 - GetCodeList_JSON_2_0_GENERIC
 - GetCodeList_JSON_2_1_GENERIC
 - GetCodeList_SDMX_2_1_GENERIC
 - GetCodeList_JSON-STAT
 - GetCodeList_TSv
 - GetConceptScheme_SDMX_2_1_GENERIC
 - GetConstraint_SDMX_2_1_GENERIC
 - GetData
 - GetData_CSV
 - GetData_JSON-STAT
 - GetData_RDF
 - GetData_SDMX_2_0_COMPACT
 - GetData_SDMX_2_0_GENERIC
 - GetData_SDMX_2_1_GENERIC
 - GetData_SDMX_2_1_STRUCTURED
 - GetData_TSv
 - GetData_TSv_compressed
 - GetDefinition_JSON-STAT
 - GetDefinition_JSON_2_0_GENERIC
 - GetDefinition_SDMX_2_0_GENERIC
 - GetDefinition_SDMX_2_1_GENERIC
 - GetDatastructure_SDMX_2_0_GENERIC
 - GetDatastructure_SDMX_2_1_GENERIC
- Project1 SOAP
- Project2 ACC SOAP
- Project3 ACC REST
- Project3 ACC REST
- Project3 ACC REST

Request Properties

Property	Value
Name	GetData_TSV
Description	
Message Size	746
Encoding	UTF-8
Endpoint	https://webgate.acceptance.ec.europa.eu/estat/api/dissemination/1.0/extraction
Timeout	
Bind Address	
Follow Redirects	true
Username	
Password	

Headers (7) Attachments (1) SSL Info (2 certs) WSS (0) JMS (0)

response time: 3503ms (11683124 bytes)

SoapUI log http log jetty log error log wsmr log memory log

FR 09:16 19/10/2017

REST (REpresentational State Transfer) Protocol

REST endpoint – WADL

An endpoint describes the type of messages and responses that can be expected from the web service.

Dissemination (public access to data not under embargo)	https://ec.europa.eu/eurostat/api/dissemination/sdmx/2.1/sdmx-rest.wadl
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The query request message contains sections:

- A Method
- An Endpoint
- A Resource
- Parameters

Changes in TSV file format in new applications

Examples

Example of REST request for full TSV file download for the dataset “DEMO_GIND”

Provide in a web browser a valid http call with the name of the dataset and the relevant format:

https://ec.europa.eu/eurostat/api/dissemination/sdmx/2.1/data/DEMO_GIND?format=TSV

The dissemination API returns the dataset data file: estat_demo_gind.tsv.

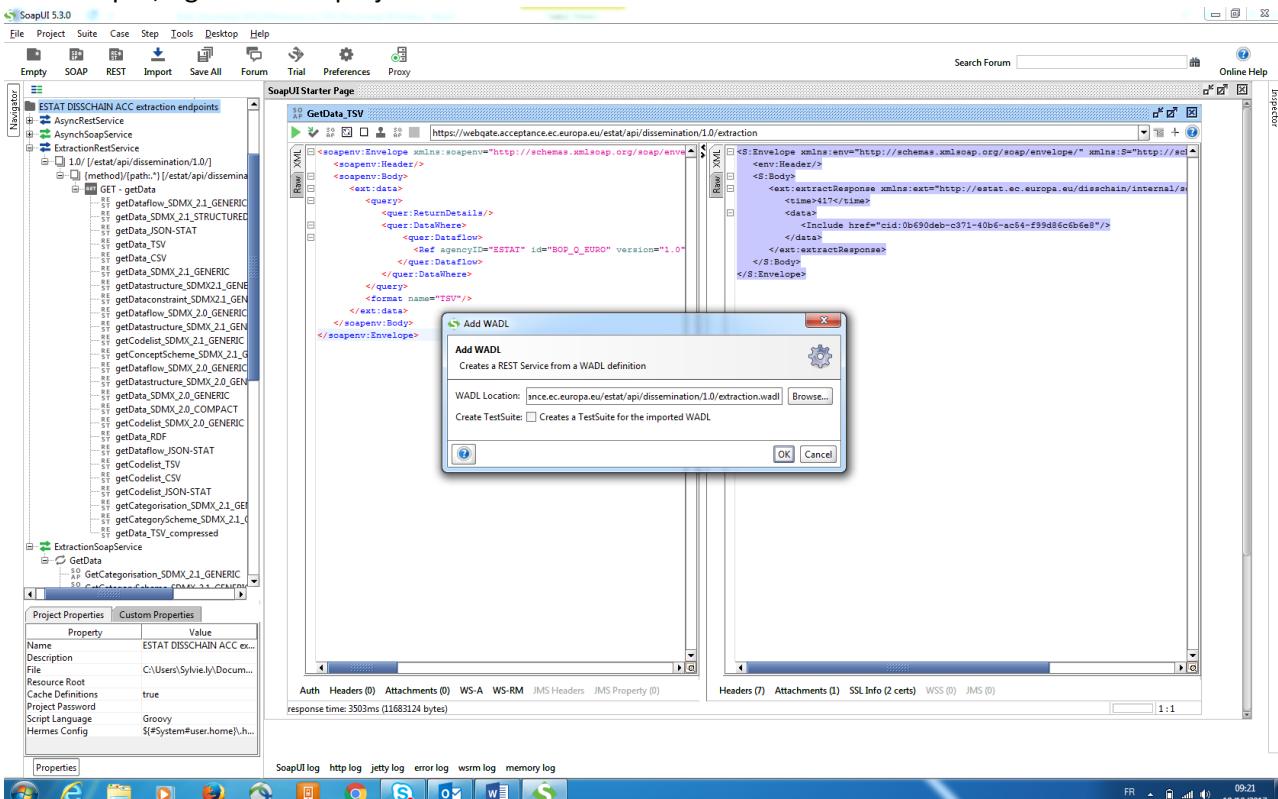
Example of REST request for full compressed TSV file download

The parameter “Compressed” is recommended for large datasets:

https://ec.europa.eu/eurostat/api/dissemination/sdmx/2.1/data/DEMO_GIND?format=TSV&compressed=true

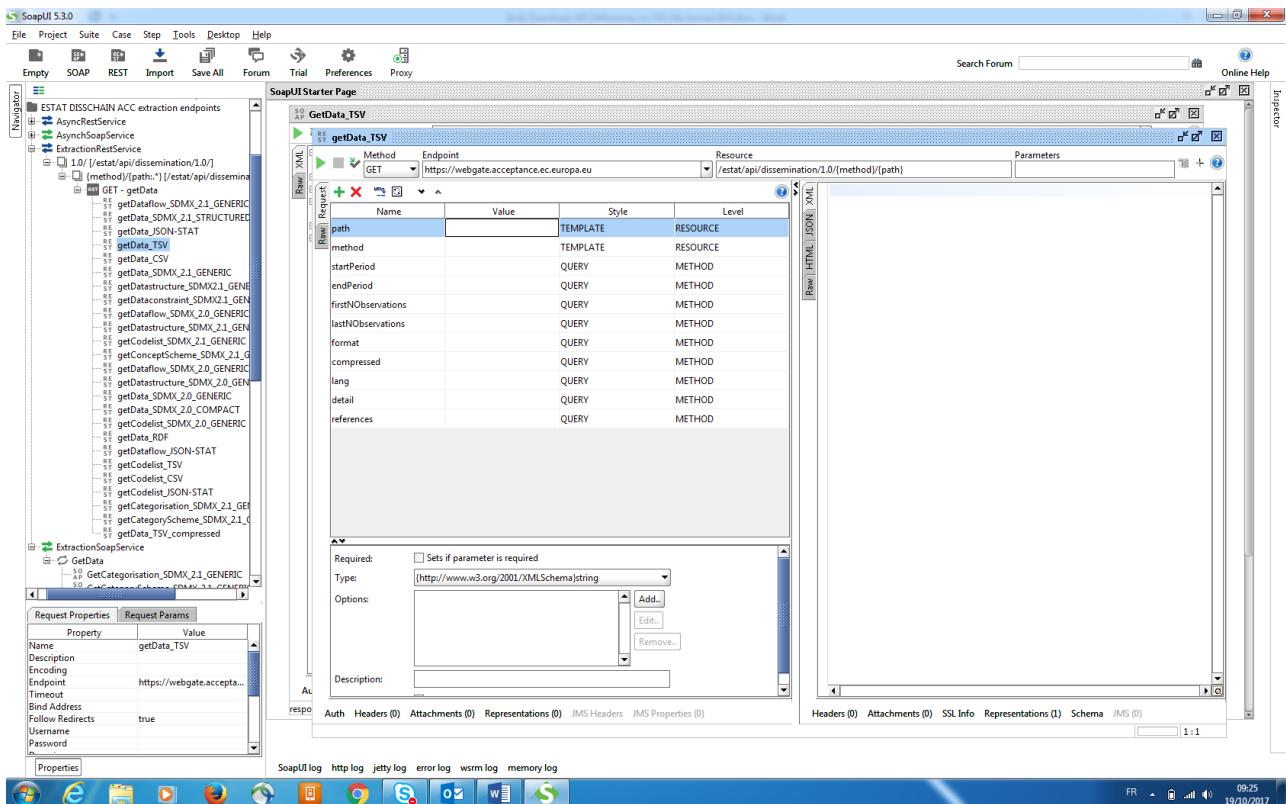
Example of REST request for a query of dataset “DEMO_GIND” and format name=”TSV”:

With SoapUI, right click the project to add a WADL link. It creates a REST service from a WADL definition



Open the request

Changes in TSV file format in new applications



Fill in the values of resource path

- -path (data / dataflow / datastructure /)
- -method (AVIA_PAOA / DEMO_GIND / ...)

You can fill in the values of different parameters:

- startPeriod
- endPeriod
- firstNObservations
- lastNObservations
- detail
- references
- format
- compressed
- lang

In this example, we provide:

- Path=BOP_Q_EURO
- Method =data
- Format=TSV

Note that several other file formats are available i.e. CSV / JSON-stat / SDMX 2.1 or SDMX 2.

Changes in TSV file format in new applications

Execute the request to view the response content

Specific case of asynchronous response for SOAP and REST protocols

The dissemination API behaves asynchronously if the query is too complex or the size of the response data is too large. This mechanism applies equally both to REST and SOAP.

Changes in TSV file format in new applications

An Endpoint describes the type of messages and responses that can be expected from the web service.

SOAP asynchronous endpoint - WSDL

Dissemination (public access to data not under embargo)	https://ec.europa.eu/eurostat/api/dissemination/1.0/async?wsdl
--	---

REST asynchronous endpoint – WADL

Dissemination (public access to data not under embargo)	https://ec.europa.eu/eurostat/api/dissemination/1.0/async/async.wadl
--	---

Examples

Example of asynchronous response for full TSV file download for the dataset “BOP_Q_EURO”

Step 1:

Issue a request to the API with a data query.

The API returns as response an ID and the status of the query is “SUBMITTED”

For information:

1. The ID allows the data consumer to retrieve from the API
 - a. the status of the generation, and ultimately
 - b. the data.
2. The API is generating the requested data extraction.

Example of SOAP asynchronous response for full TSV file download for the dataset “BOP_Q_EURO”

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
<soapenv:Header/>
<soapenv:Body>
<ext:query>
<quer:ReturnDetails/>
<quer:DataWhere>
<quer:Dataflow>
<Ref agencyID="ESTAT" id="BOP_Q_EURO" version="1.0"/>
<quer:Dataflow>
</quer:DataWhere>
</query>
<format name="tsv"/>
</ext:query>
</soapenv:Body>
</soapenv:Envelope>
```



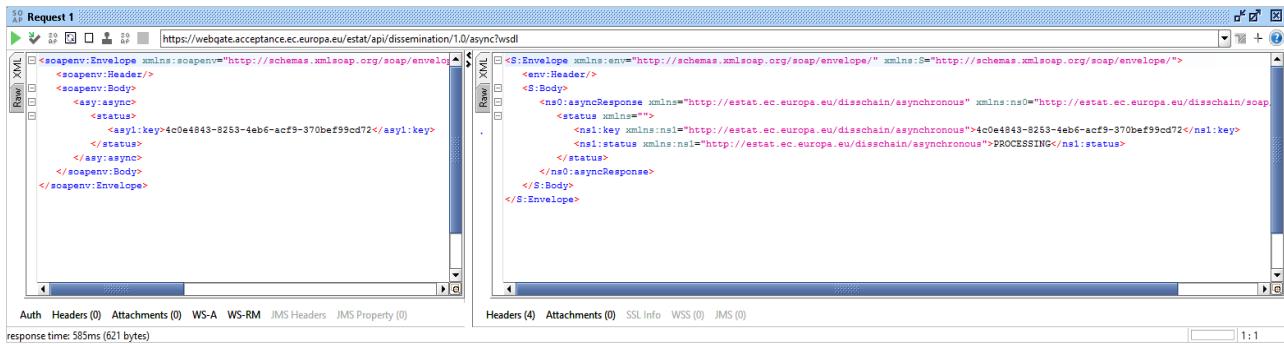
```
<S:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:S="http://estat.ec.europa.eu/disschain">
<env:Header/>
<S:Body>
<ext:extractResponse xmlns:ext="http://estat.ec.europa.eu/disschain">
<queued>
<id>4c0e4843-8253-4eb6-acf9-370bef99cd72</id>
<status>SUBMITTED</status>
</queued>
</ext:extractResponse>
</S:Body>
</S:Envelope>
```

Step 2:

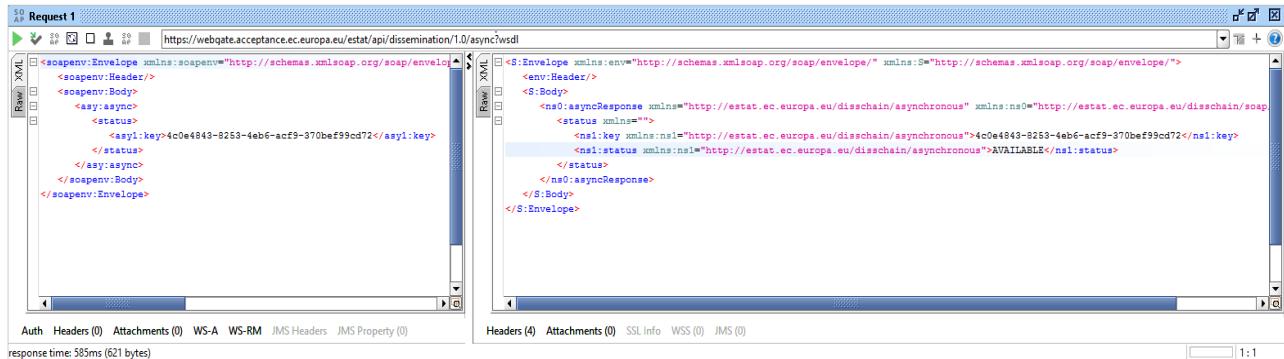
Issue a request to the API to get the status for the relevant ID.

The API returns as response the status, e.g. “PROCESSING”

Changes in TSV file format in new applications



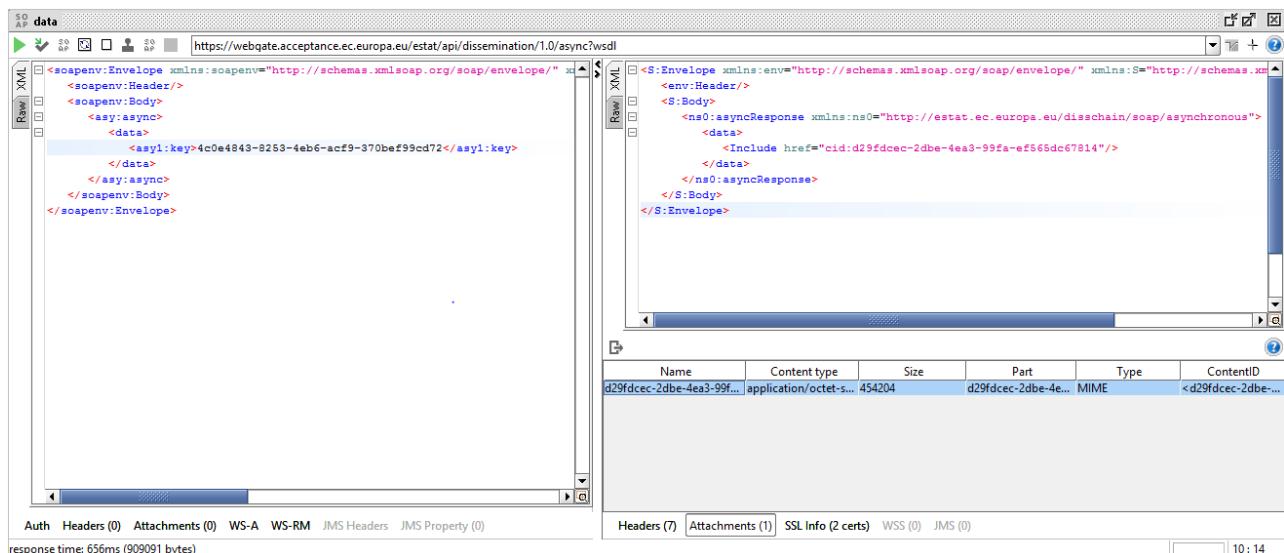
Repeat step 2 until the status is “AVAILABLE”, then proceed with step 3



Step 3:

Issue a request to the API to get the extracted data.

The API returns the extracted data (in the example below this is the attachment)



Manual data download - How to download a TSV file from the Data Browser and open it with Excel?

How to download the TSV file?

Go to the data Browser:

<https://ec.europa.eu/eurostat/databrowser/>

Changes in TSV file format in new applications

The screenshot shows the Eurostat Data Browser interface. On the left, there is a navigation tree under the 'Economy and finance' category, including 'National accounts (ESA 2010)', 'Government statistics', 'Exchange rates', 'Interest rates', 'Prices', 'Balance of payments - International transactions' (which is expanded to show 'International trade in services, geographical breakdown - Historical data'), 'European Union direct investments', and 'Balance of payments - International transactions (BPM6)'. On the right, a list of datasets is displayed under 'Balance of payments - International transactions' > 'International trade in services, geographical breakdown - Historical data'. The datasets listed are: 'International trade in services (2004-2013)' (BOP_ITS_DETI), 'International trade in services (1985-2003)' (BOP_ITS_DETH), 'International trade in services - market integration indicators (1992-2013)' (BOP_ITS_STR), and 'Total services, detailed geographical breakdown by EU Member States (2002-2012)' (BOP_ITS_TOT). The last dataset is highlighted with a red box.

Navigate to the relevant dataset, e.g. "Total services, detailed geographical breakdown by EU Member States (2002-2012)" (BOP_ITS_TOT)

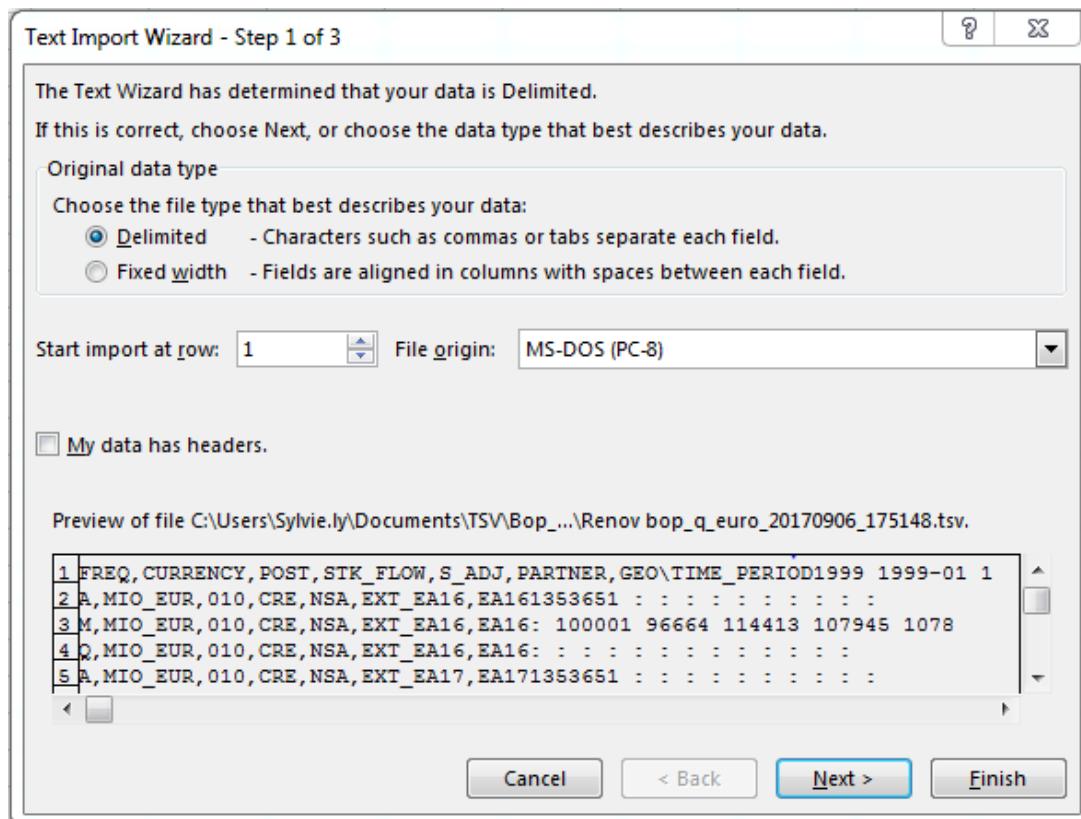
On the right side of the page, the list of available data is displayed. Click on the download action arrow and choose "TSV".

This screenshot is similar to the one above, showing the Eurostat Data Browser interface. The navigation tree on the left remains the same. On the right, the list of datasets under 'International trade in services, geographical breakdown - Historical data' is shown. The 'Total services, detailed geographical breakdown by EU Member States (2002-2012)' dataset is selected. A download menu is open next to it, showing options like 'TSV' (1 time-series = 1 row) and 'SDMX-CSV' (1 observation = 1 row). The 'TSV' option is highlighted.

How to open a TSV file with Excel?

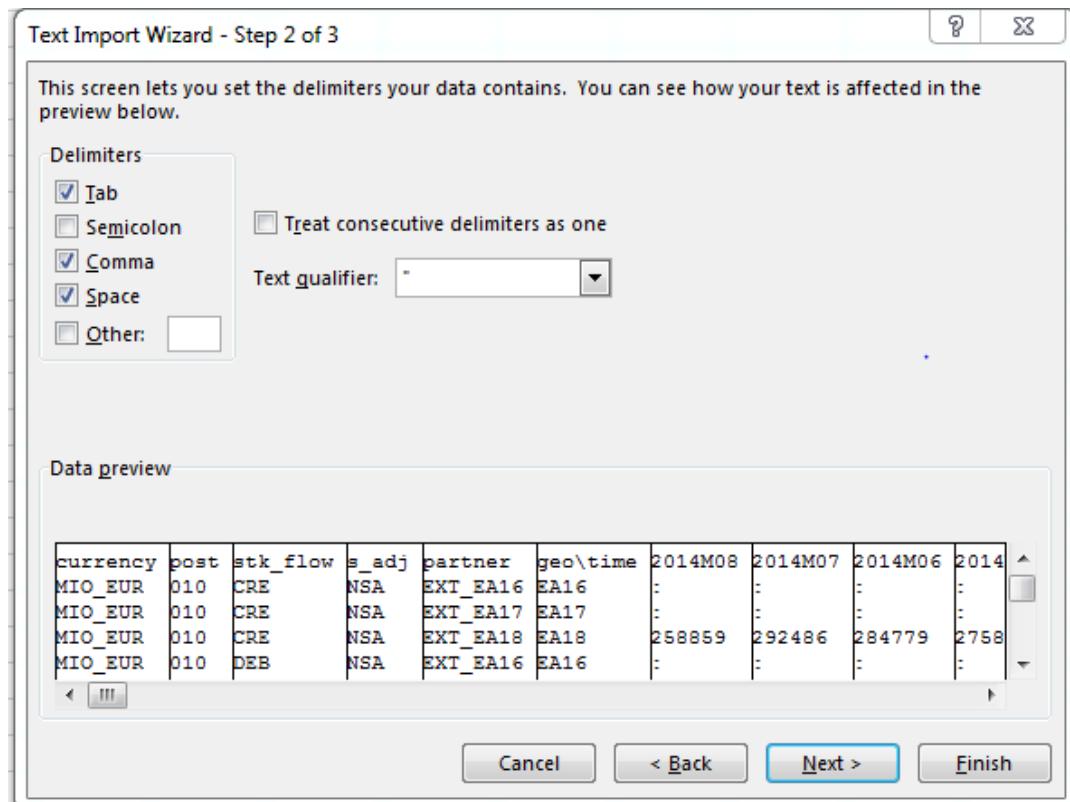
Open Excel and then import the "TSV" file.

Changes in TSV file format in new applications



Step 1

The text import wizard defaults to the data delimited option. Simply click "Next".



Changes in TSV file format in new applications

There are different ways of setting the delimiters option, and **we would recommend the following one:**

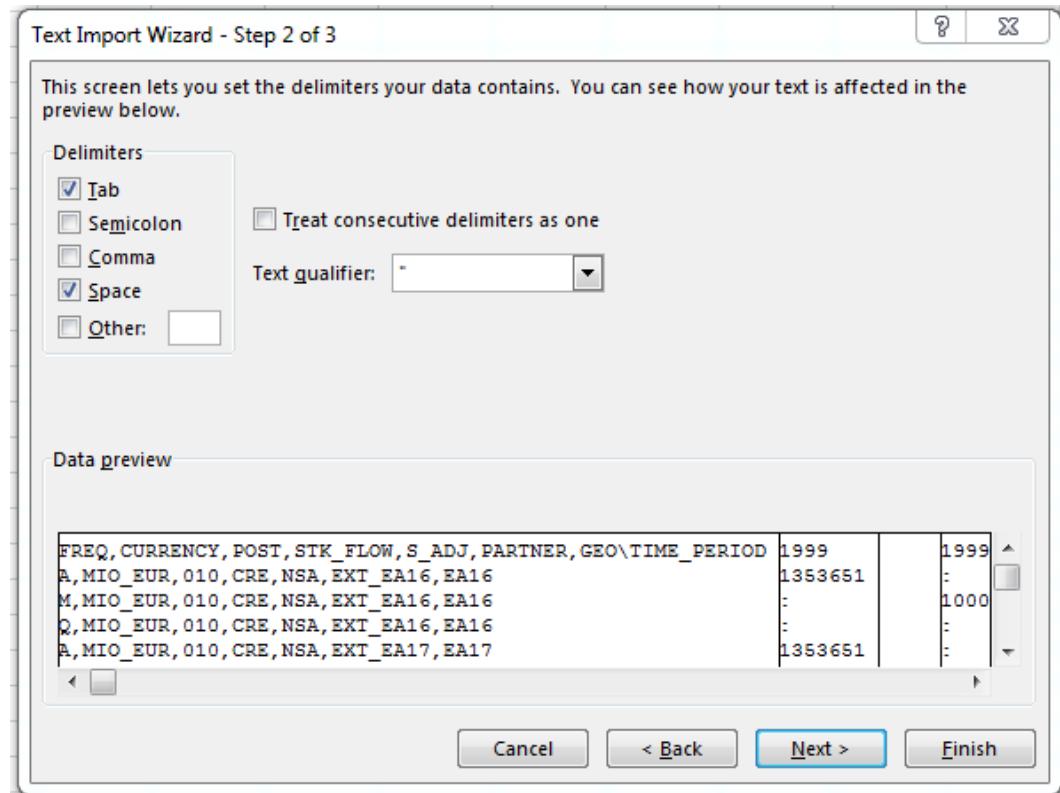
Option 1 - The Tab, the Comma and the Space as Delimiters, without the option “Treat consecutive delimiters as one”

The “Tab” Delimiters is already checked by default, check the “Comma” and the “Space” delimiters boxes.

Next, uncheck the option “Treat consecutive delimiters as one”.

Dimensions and their items are in separate columns (except the dimension “GEO\TIME_PERIOD”). Values and flags can be seen in separate columns.

Click “Next >”.



Alternatively:

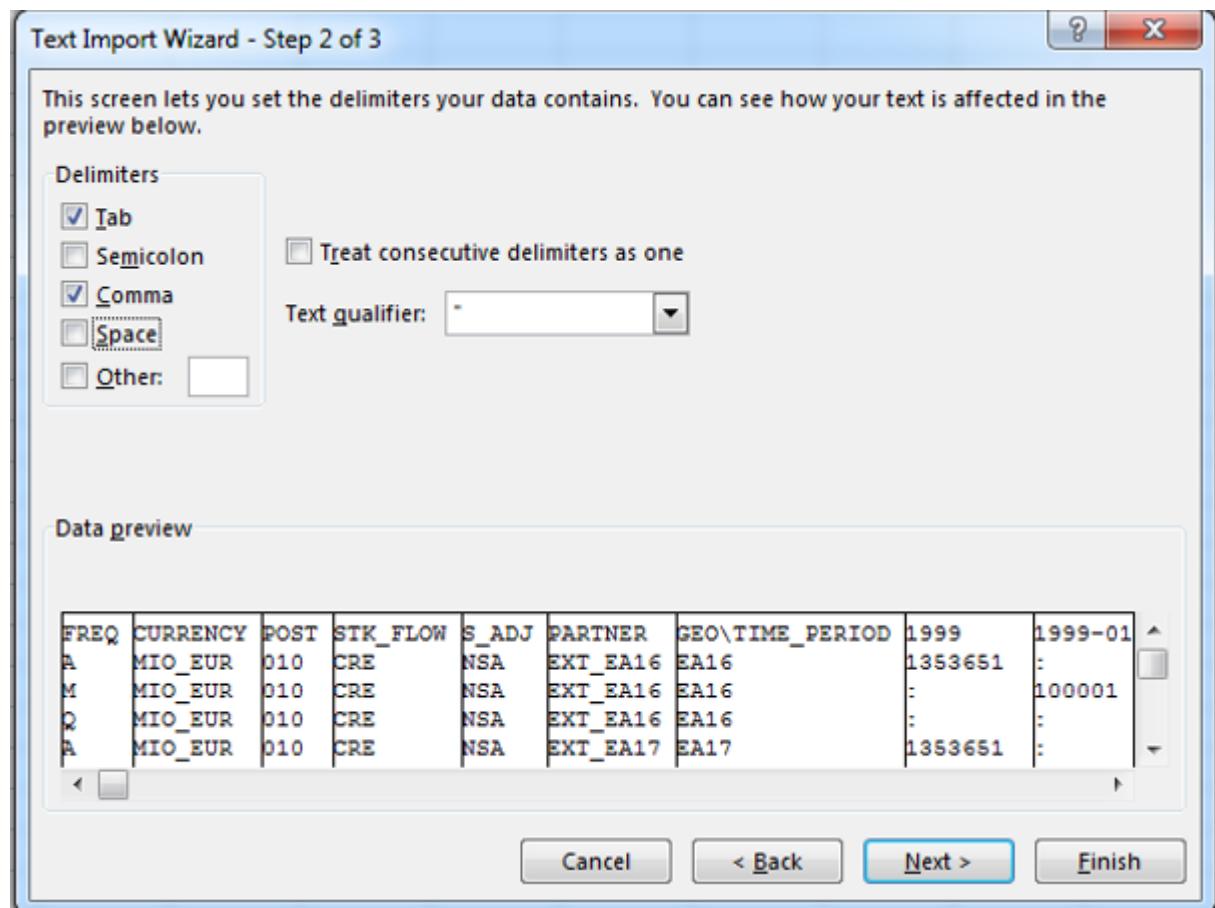
Option 2 - The Tab and the Space as Delimiters, without the option “Treat consecutive delimiters as one”

The “Tab” Delimiter is already checked by default, check the “Space” delimiter box.

Next, uncheck the option “Treat consecutive delimiters as one”.

Values and flags can be seen in separated columns.

Click “Next >”.



Alternatively

Option 3 - The Tab and the Comma as Delimiters, without the option “Treat consecutive delimiters as one”

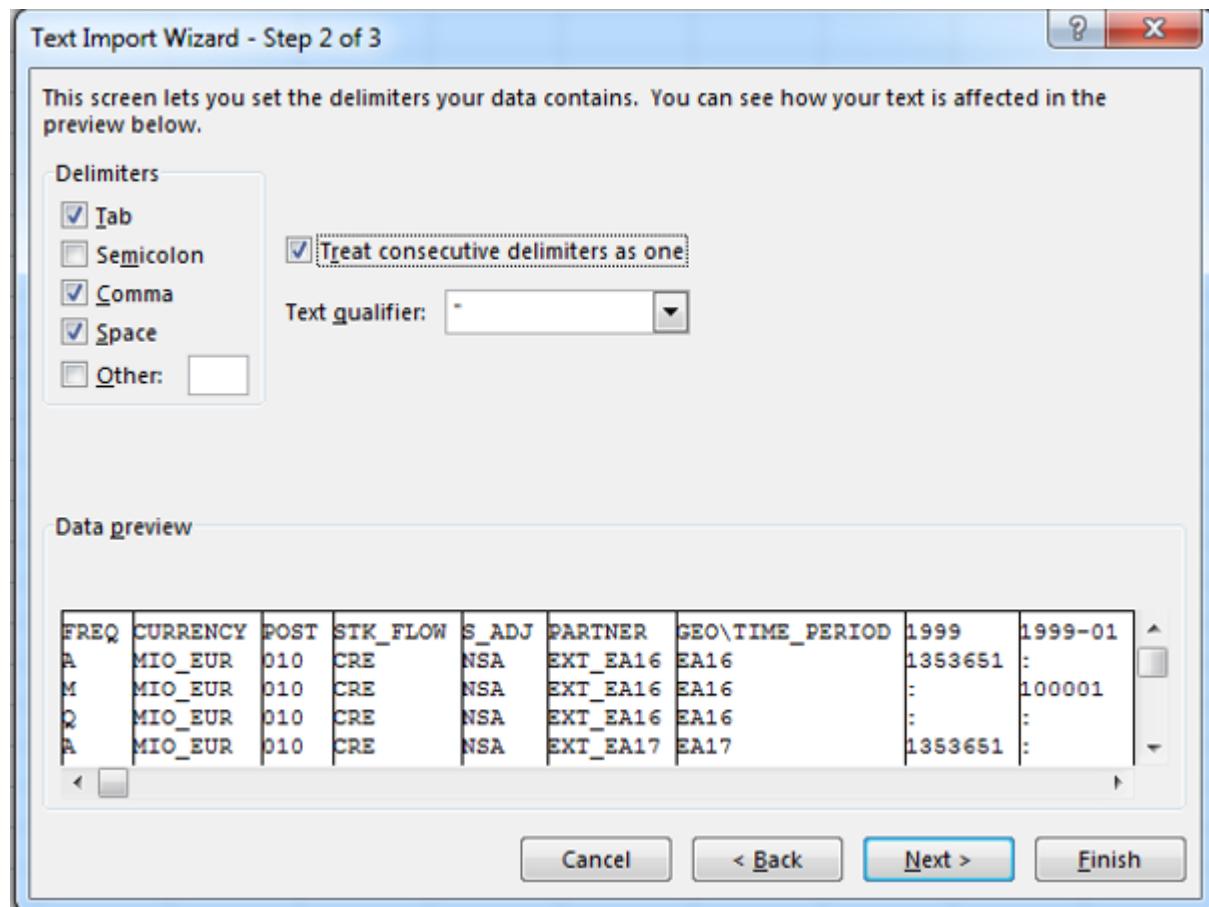
The “Tab” Delimiter is already checked by default, check the “Comma” delimiter box.

Uncheck the option “Treat consecutive delimiters as one”.

Codes stand in separated columns. Values and flags can be seen in the same column.

Dimensions and their items are in separate columns (except the dimension "GEO\TIME PERIOD").

Click “Next >”.



Alternatively:

Option 4 - The Tab, the Comma and the Space as Delimiters, with the option “Treat consecutive delimiters as one”

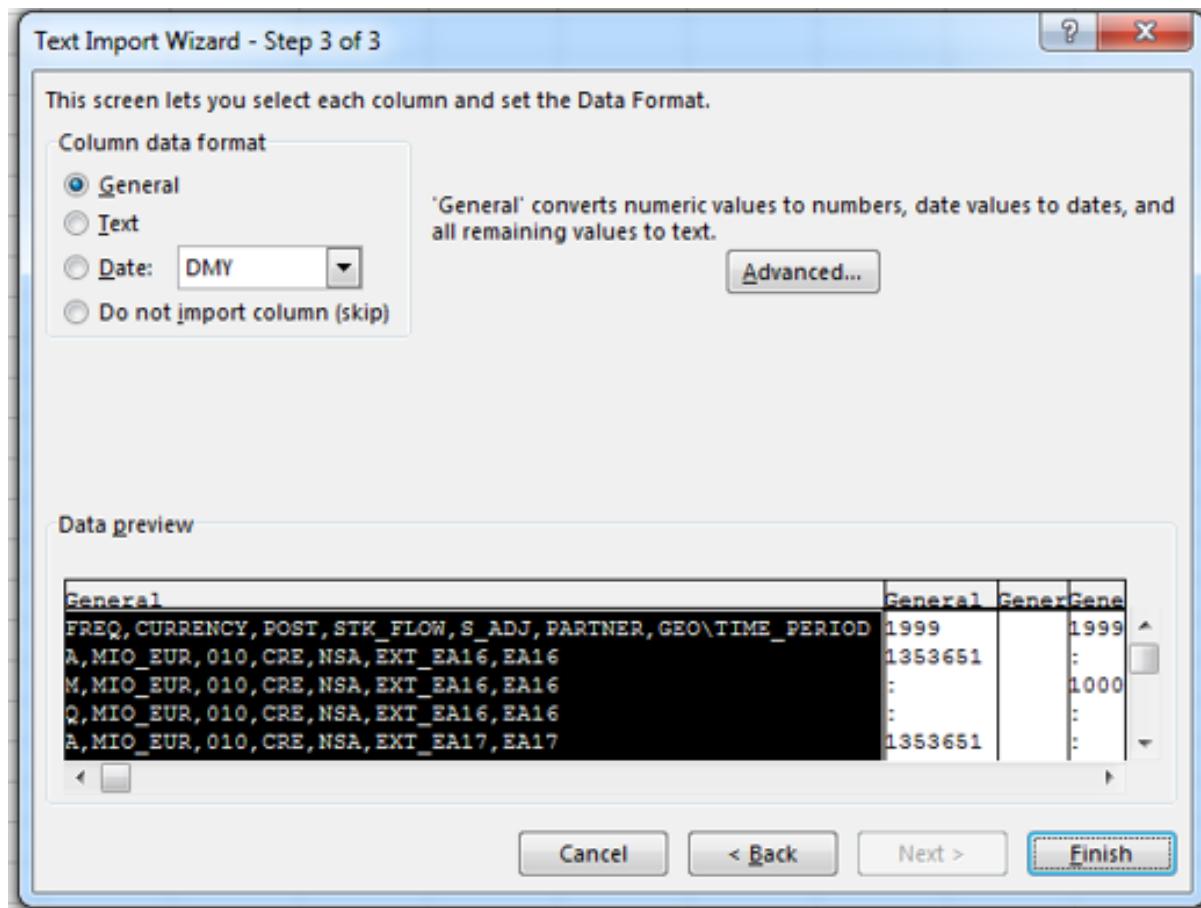
The “Tab” Delimiters is already checked by default, check the “Comma” and the “Space” delimiter boxes.

Then, the option “Treat consecutive delimiters as one” must be checked.

Codes are separate columns. Values and flags can be seen in the same column.

Dimensions and their items are in separate columns (except the dimension “GEO\TIME_PERIOD”).

Click “Next >”.



Step 3

Click the “Advanced...” button and choose the dot “.” (the decimal symbol used in the “TSV” file).

Click the “Finish”button.