

ECB Statistical Data Warehouse

- 1) Select the relevant date range of the daily exchange rates corresponding to the reporting period on the [ECB Statistical Data Warehouse website](#).

Number of Series: 1

Parameters and Transformations ? ✖ Reset Settings

Date Range: to (DD-MM-YYYY)
(Date settings apply to every page of the portal except Quick View pages)

Transformation: ▼

Common Description ?

Dataset name:	Exchange Rates
Frequency:	Daily
Currency:	Croatian kuna
Currency denominator:	Euro
Exchange rate type:	Spot
Series variation - EXR context:	Average

- 2) This filtered data can be download in Excel (csv) format.

[+ Add to My Data](#) [Download Data](#) [Print](#) ?

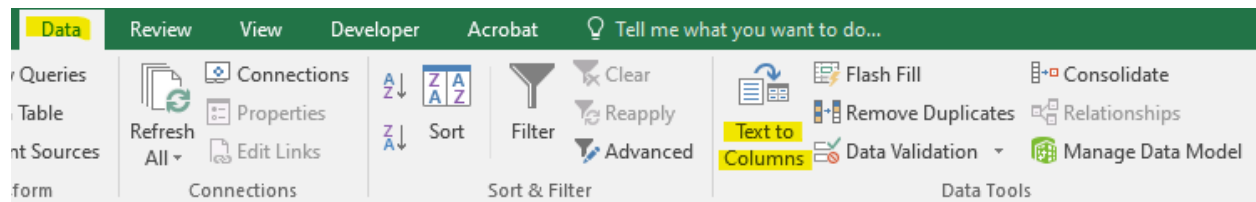
CSV - Character Separated
Excel (csv)
XML (SDMX-ML) 2.0

Excel

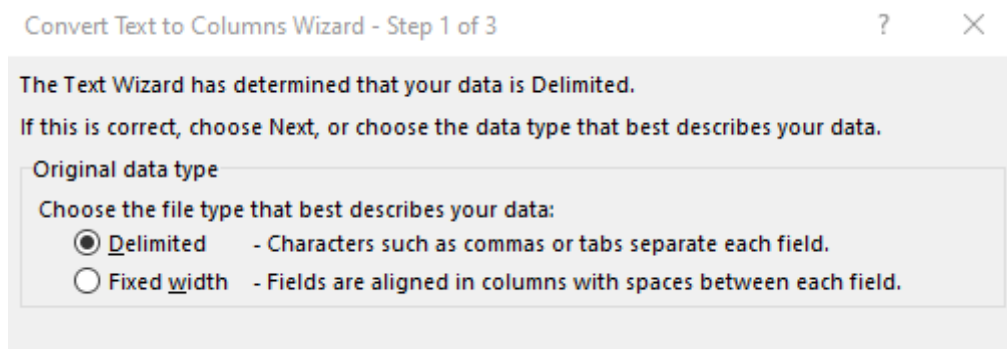
- 3) The Excel downloaded will include the dates and the amounts aggregated in one single column.

Period\Unit,[Croatian kuna]	
2022-12-30,7.5365	
2022-12-29,7.5365	
2022-12-28,7.5365	
2022-12-27,7.5375	
2022-12-23,7.5370	
2022-12-22,7.5380	
2022-12-21,7.5419	
2022-12-20,7.5471	
2022-12-19,7.5395	
2022-12-16,7.5385	
2022-12-15,7.5395	
2022-12-14,7.5380	
2022-12-13,7.5495	
2022-12-12,7.5540	
2022-12-09,7.5550	
2022-12-08,7.5553	
2022-12-07,7.5525	
2022-12-06,7.5563	

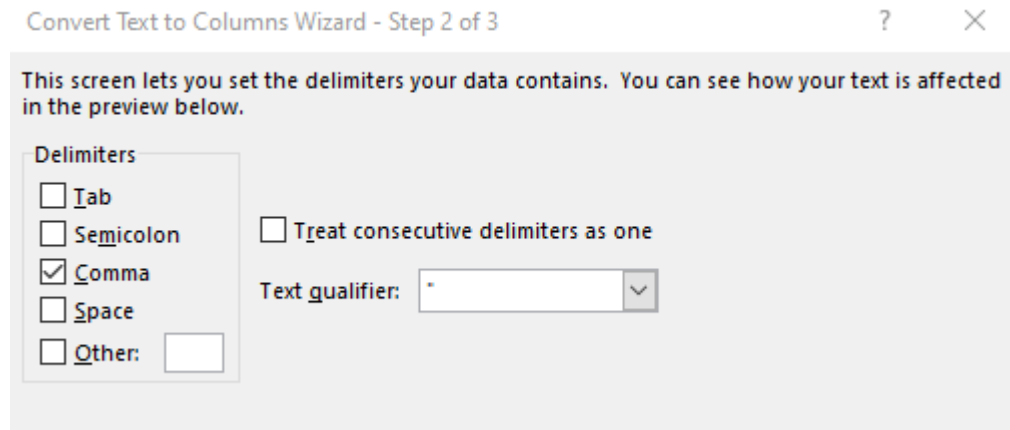
- 4) Select this column containing all the aggregated information. The information therein can be separated in two columns through the Convert Text to Columns Wizard tool.



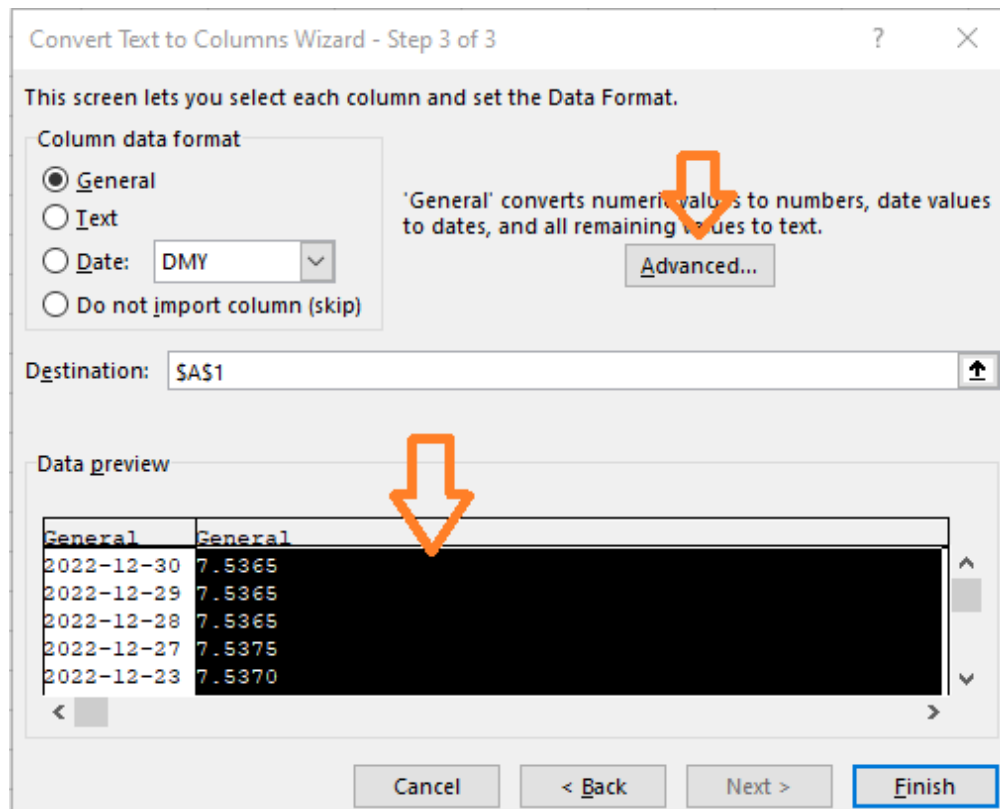
- 5) Confirm that the data is 'Delimited'.



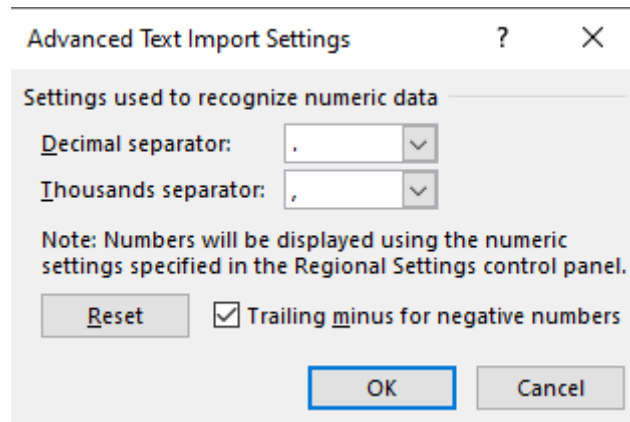
- 6) Apply the delimiter 'Comma'.



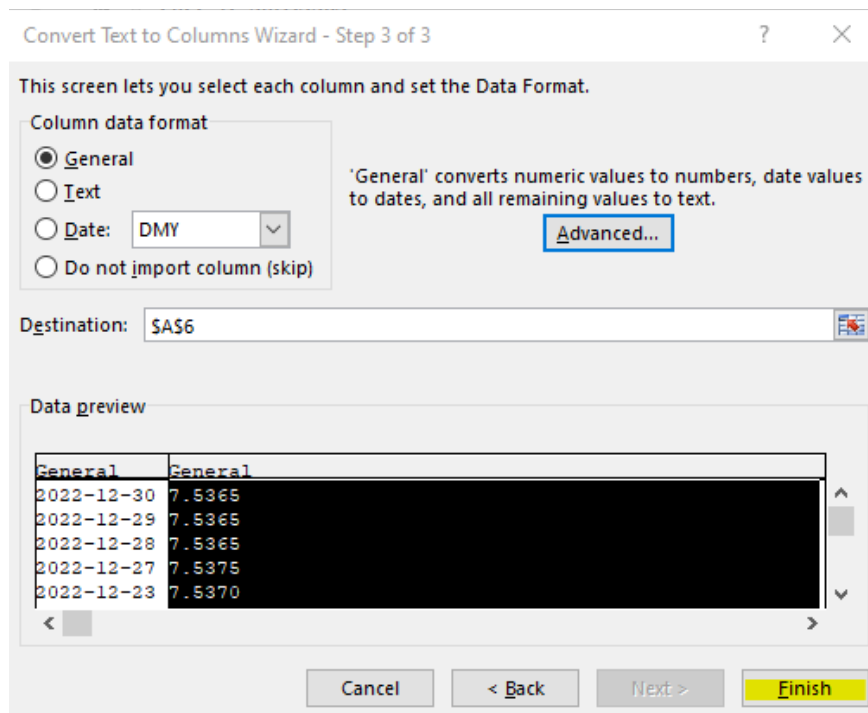
- 7) Select the second column with the amounts under 'Data preview' and click on the 'Advanced' options.



- 8) Change the 'decimal separator' to a dot (".") and the 'thousands separators' to a comma (",")



- 9) Press 'Finish' to generate the second column.



Period\Unit:,[Croatian kuna]		
30-12-22	7,5365	
29-12-22	7,5365	
28-12-22	7,5365	
27-12-22	7,5375	
23-12-22	7,537	

10) Finally, the use of the formula “=AVERAGE(XX:YY)” should be applied to calculate the average of the daily exchange rates, by comprising the time period corresponding to the relevant reporting period.