

Exercise 3

Using Web SDMX Converter to convert data from a mapped Excel file.

In this exercise, you will use Eurostat SDMX Converter and the Global SDG Data Structure Definition from the registry to convert data from an Excel file.

1. Open SDMX Converter at <https://webgate.ec.europa.eu/sdmxconverter>, make sure account is authenticated in order to use the converter.
2. On the first screen, you select the input file containing the data (**Palestine_long.xlsx**), the output file where the SDMX data will be written, and the format of the output file.

The screenshot shows the SDMX Converter web interface with the following elements and annotations:

- 1. Select: Convert and Validate**: Points to the radio button selection where "Convert and Validate" is selected.
- 2. Drag and drop file Palestine_long.xlsx**: Points to the "Files*" area where an Excel file icon is shown.
- 3. Make sure input format is Excel**: Points to the "Input Format" dropdown menu set to "EXCEL" and the "Detect Format" button.
- 4. Select output format: STRUCTURE_SPECIFIC_DATA_2_1**: Points to the "Output Format" dropdown menu.
- 5. Enter output file name, e.g. Ex1.xml**: Points to the "File Name" input field containing "Ex1.xml".
- 6. Click Next**: Points to the "Next" button at the bottom right of the interface.

3. On this screen, you load the SDG Data Structure Definition from the SDMX Global Registry.

The screenshot shows the SDMX Converter web application interface. The top navigation bar includes 'SDMX Converter', 'Home', 'Sdmx', 'GlobalRegistry', and 'Eurostat'. On the left, a 'Navigation' sidebar has 'Input' and 'Structure selection' buttons. The main area is titled 'Structure type' and contains the following elements:

- Structure type:** Radio buttons for 'DSD' (selected) and 'Dataflow'. Callout 7: '7. Select: **DSD**'.
- Structure:** A checked checkbox and a dropdown menu showing 'https://registry.sdmx.org/ws/public/sdmxapi/rest'. Callout 8: '8. Check **Registry**'.
- Query Registry:** A blue button. Callout 10: '10. Click **Query Registry**'.
- Agency:** A dropdown menu with 'IAEG-SDGs' selected. Callout 11: '11. Select Agency: **IAEG-SDGs**'.
- Artefact Id:** A dropdown menu with 'SDG' selected. Callout 11: 'Artefact ID: **SDG**'.
- Artefact Version:** A dropdown menu with '1.8' selected. Callout 11: 'Version: latest version listed'.
- Buttons:** 'Reset' and 'Next →' buttons. Callout 12: '12. Click **Next**'.

Callout 9: '9. Select the Global Registry at <https://registry.sdmx.org/...>' points to the URL dropdown.

A progress bar at the bottom shows 25% completion.

- On this screen, you can load an SDMX message header and mapping parameters. Every SDMX message must have a header in a defined format, but it is not used in this exercise. As for parameters, they are contained in the Excel file.

SDMX Converter | Home | Sdmx | GlobalRegistry | Eurostat

Navigation

- Input
- Structure selection
- Excel input details
- Excel header
- Result

Header configuration*

File

Manual Config (the data will be collected in a conse)

External Parameter File

External Excel File that contains only Parameter Sheets, Mapping Sheet and/or a Transcoding Sheet.

40%

- On this screen, you can configure the message header. You may wish to update the header fields, or simply leave the defaults because we are not using them.

Contact Uri

Contact Email

Other header fields

Truncated

Dataset Agency

Dataset Action

KeyFamily Ref

Reporting Begin

Name

Dataset Id

KeyFamily Agency

Extracted Date

Reporting End

60%

SDMX Converter Web application version 9.3.0

6. If the steps have been completed correctly, data will be retrieved without errors. Click **Download Result**, save the file to your local drive, and open the file with an XML viewer such as Notepad++, or a browser such as Internet Explorer or Firefox.

7. Congratulations! You have successfully converted a spreadsheet to SDMX using the SDMX

The screenshot shows the SDMX Converter web application interface. At the top, there is a navigation bar with tabs for 'Home', 'Sdmx', 'GlobalRegistry', and 'Eurostat'. On the left, a 'Navigation' sidebar contains links for 'Input', 'Structure selection', 'Excel input details', 'Excel header', and 'Result' (which is highlighted in blue). The main content area is divided into two sections: 'Validation' and 'Conversion'. The 'Validation' section shows 'Results for input file: Iraq.xlsx' and 'More Errors Found: false'. The 'Conversion' section shows 'Conversion Result' and 'Results for input file: Iraq.xlsx' with 'Number of Observations processed: 13'. A blue link labeled 'Download Result' is visible in the Conversion section. A callout box with a purple border and arrow points to this link, containing the text '16. Click Download Result'.

Converter and SDG Data Structure Definition.