

## Exercise 3

### Using Desktop SDMX Converter to convert data from a mapped Excel file

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

1. Open Desktop SDMX Converter, navigate to folder apps, and open wizard.
2. SDMX Converter opens. 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 Desktop SDMX Converter wizard interface. The window title is "SDMX Converter". The "Operation" section has three radio buttons: "Convert", "Validate", and "Convert and Validate" (which is selected). The "Input" section includes a "File" field with the path "itional SDMX Training-AUG23|PPTs|Day 2|Ex2|Palestine\_long\_Solution.xlsx" and a "Select" button. The "Input Format" is set to "EXCEL". The "Maximum Errors Displayed" is set to "100". The "Output" section includes an "Output Format" field set to "STRUCTURE\_SPECIFIC\_DATA\_2\_1", a "Select Path" field with the path "\\1-National SDMX Training-AUG23|PPTs|Day 2|Ex2|Palestine\_long\_Solution.xml" and a "Select" button, and a "Reporting Period" checkbox which is unchecked. The "Template File" section has a "Load Template File" checkbox which is unchecked. At the bottom, there are "Reset", "Previous", and "Next" buttons. A progress bar at the very bottom shows "0%".

1. Select: **Convert and Validate**

2. Drag and drop file **Palestine\_long.xlsx**

3. Make sure input format is **Excel**

4. Select output format: **STRUCTURE\_SPECIFIC\_DATA\_2\_1**

5. Enter output file name, e.g. **Ex1.xml**

6. Click **Next**

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

The screenshot shows the SDMX Converter application window. The interface is divided into several sections:

- Input:** Contains a "StructureType" section with two radio buttons: "DSD" (selected) and "Dataflow". A callout box labeled "7. Select: DSD" points to the "DSD" option.
- Structure File:** Contains a "Use Registry" checkbox (unchecked) and a "File" input field with the path "al SDMX Training-AUG23\PPTs\Day 2\Ex2\DSD\_SDG.xml". A "Select" button is next to the file path. A callout box labeled "8. select DSD from PC" points to the "Select" button. A "Detect Structures" button is also present.
- Structure Identification:** Contains three dropdown menus: "Agency" (IAEG-SDGs), "Artefact ID" (SDG), and "Artefact Version" (1.14).
- Navigation:** At the bottom, there are three buttons: "Reset", "Previous", and "Next". A callout box labeled "12. Click Next" points to the "Next" button.
- Progress:** A progress bar at the bottom shows 25% completion.

4. 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

The screenshot shows the 'SDMX Converter' application window. On the left, there is a sidebar with navigation links: 'Input', 'Structure selection', 'Excel input details', and 'Result'. The main area is titled 'Header configuration\*' and contains a 'File' input field with a 'Select' button, and a 'Manual Config' checkbox which is checked. A callout box labeled '13. Select: Manual Config' points to the checked checkbox. Below this is a section titled 'External Parameters File' with a checkbox for 'External Excel File that contains only Parameter Sheets, Mapping Sheet and/or a Transcoding Sheet.' and another 'File' input field with a 'Select' button. Below that is another 'Manual Config' checkbox which is unchecked, with the text '(Manually map data Sheets and parameter Sheets)'. At the bottom, there are three buttons: 'Reset', 'Previous', and 'Next'. A callout box labeled '14. Click Next' points to the 'Next' button. At the very bottom, there is a progress bar showing '50%'.

contained in the Excel file.

5. 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.

The screenshot shows the 'Header' configuration screen in the SDMX Converter application. The window title is 'SDMX Converter'. The 'Header' section contains the following fields and controls:

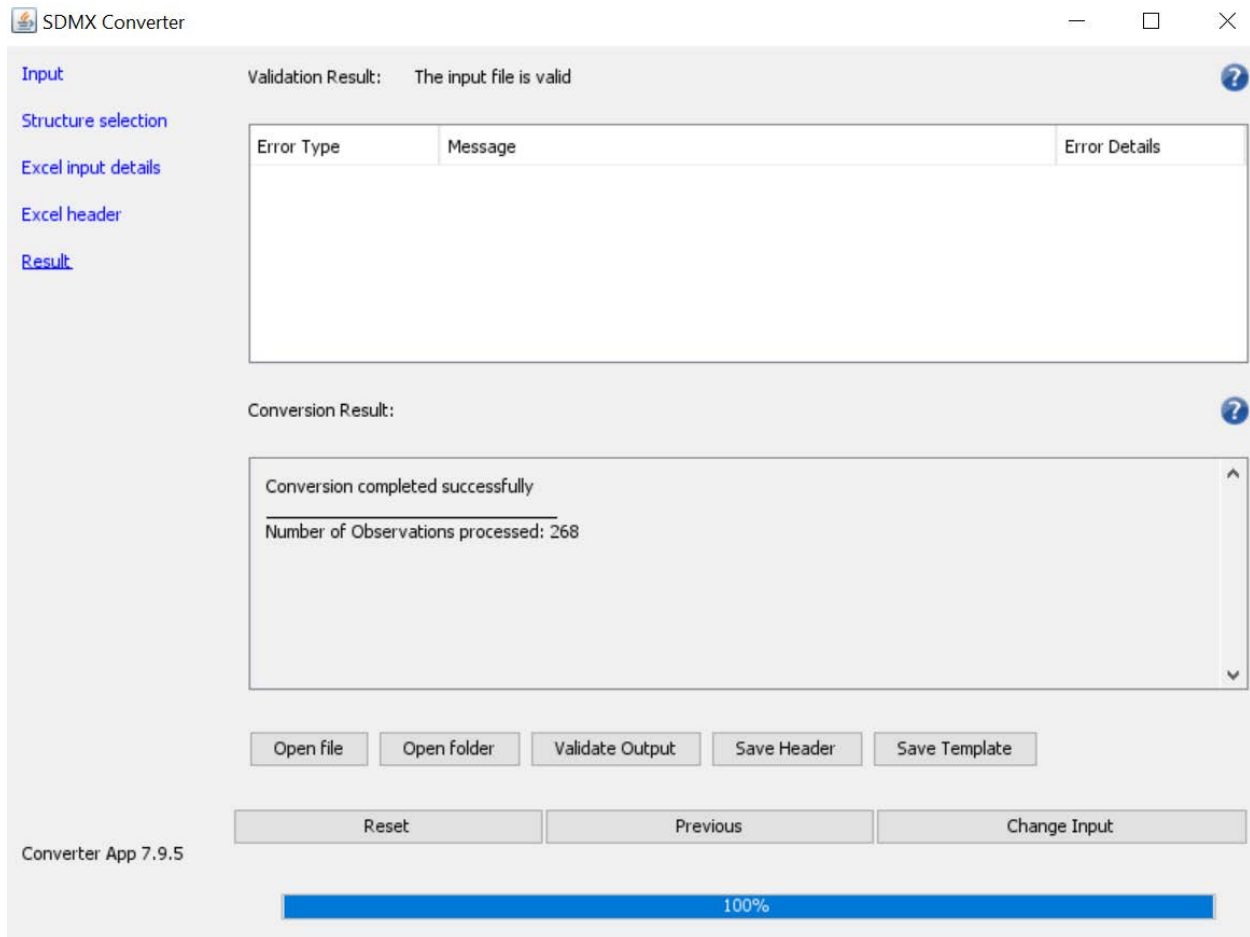
- Buttons:** Erase Fields, Load Default, Save Header
- Id\*:** IREF1693070911603
- Test:**
- Prepared\*:** Aug 26, 2023

Below the Header section are two columns of fields for Sender and Receiver:

Sender	Receiver
Id* (ESCWA)	Id
Name	Name
Contact Name	Contact Name
Contact Dept	Contact Dept
Contact Role	Contact Role
Contact Phone	Contact Phone
Contact Fax	Contact Fax

At the bottom of the form are three buttons: Reset, Previous, and Next. A callout box with the text '15. Click Next' and an arrow points to the Next button. A progress bar at the bottom indicates 60% completion.

6. If the steps have been completed correctly, data will be retrieved without errors, the results will be saved in the path specified in step 5, you can 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 Converter and SDG Data Structure Definition.