

# Taverna Tutorial

## Importing data from a spreadsheet

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Bonn University, 2014-09-01

<http://www.taverna.org.uk/>



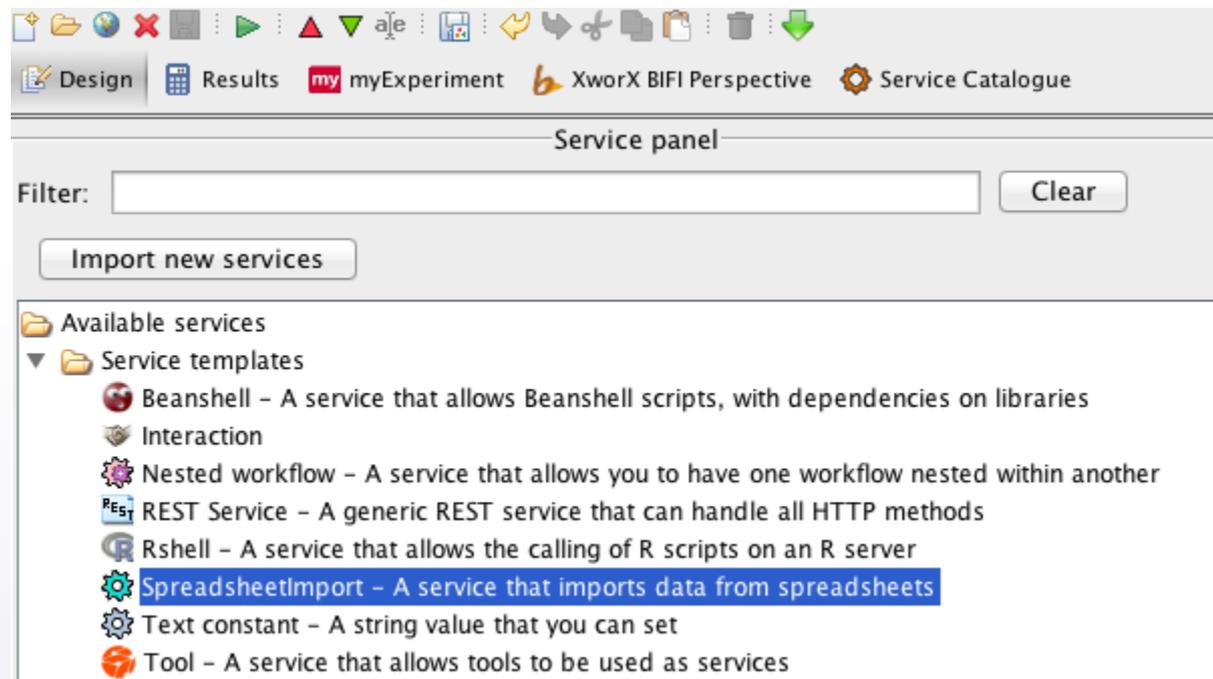
# Importing data from a spreadsheet

- So far we used simple text files but it is also possible to use spreadsheets as sources of input data. In order to do that we will need to add a Spreadsheet tool to our workflow.
- Download the “Example Fasta Ids CVS” file from MyExperiment
- Have a look at the file using Excell (or a text editor)
- Notice the Fasta IDs are in Column B rows 2 to 6



# Importing data from a spreadsheet

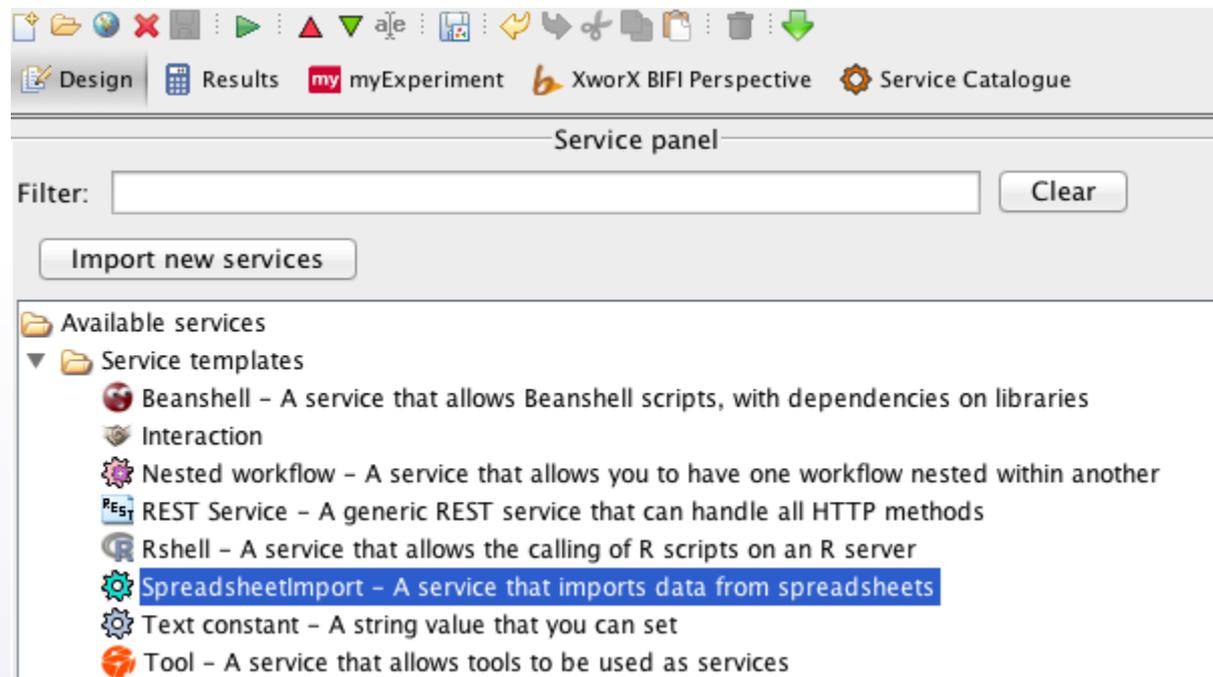
- From the **Service Templates** select **SpreadsheetImport** right-click on it and add it to the workflow





# Importing data from a spreadsheet

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# Importing data from a spreadsheet

- In the pop up window set the correct range for columns and rows (untick the box “all rows”)
- Set the values
  - ▣ Columns B to B
  - ▣ Rows 2 to 6
- Select Next
- Look at the options
  - ▣ But leave the defaults
- Select Finish

The screenshot shows a dialog box titled "Spreadsheet Import Configuration" with a close button (X) in the top right corner. The main heading is "Configure spreadsheet file import" followed by the instruction "Select the data range".

The "Columns" section has a text input field "From B" and "to B".

The "Rows" section has a text input field "From 2" and "to 6", followed by three checkboxes: "All rows" (unchecked), "Exclude header row" (unchecked), and "Ignore blank rows" (unchecked).

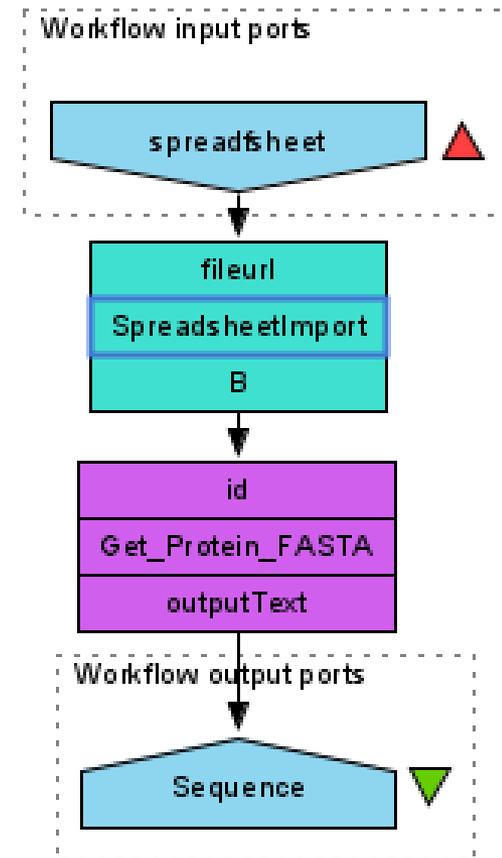
The "Empty cells" section has three radio button options: "Use an empty string" (selected), "Use this value:" (with an empty text input field), and "Generate an error value".

At the bottom right, there are three buttons: "Cancel", "Next", and "Finish".



# Create a simple workflow

- Add
  - Get\_Protein\_FASTA service
  - Input port
  - Output port
- Connect the service as shown





# Importing data from a spreadsheet

- Run the workflow and look at the results
  - Set file location to the file you downloaded.
- Click on the “Get\_Protein\_Fasta service
  - In the Graph tab of the Results View
- Select Id to see the Data being sent into this service

View results ▾

- [-] Nested iteration 1
  - Iteration 1.1
  - **Iteration 1.2**
  - Iteration 1.3
  - Iteration 1.4
  - Iteration 1.5

▲ id ▼ outputText

Value type Text ▾ Refresh  Wrap text

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- In this tutorial you saw another method of import data into Taverna.
- Just remember to save you spreadsheets in csv (Comma separated format)
- Csv spreadsheets can also be read directly from a URI using the “Set URL” rather than “Set file location”