

FUSION XL

Data Explorer User Guide

FusionXL: 2.4
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FUSION XL

FusionXL is a plugin for Microsoft Excel® which provides the ability to browse for, and author registry content in the Fusion Registry.

User Guide

This guide provides information on how to use the plugin in order to browse datasets discoverable via the Fusion Registry.

IMPORTANT

This User Guide is no longer maintained. To view the latest version, please refer to the [Metadata Technology Wiki](#).

[Click here for the latest version.](#)

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1 Overview

This document describes how to browse datasets that have been made available to the linked Fusion Registry service.

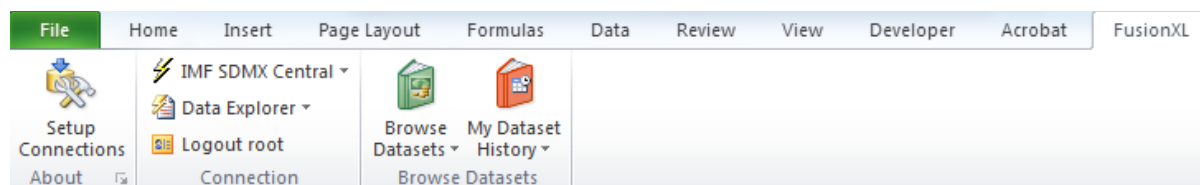


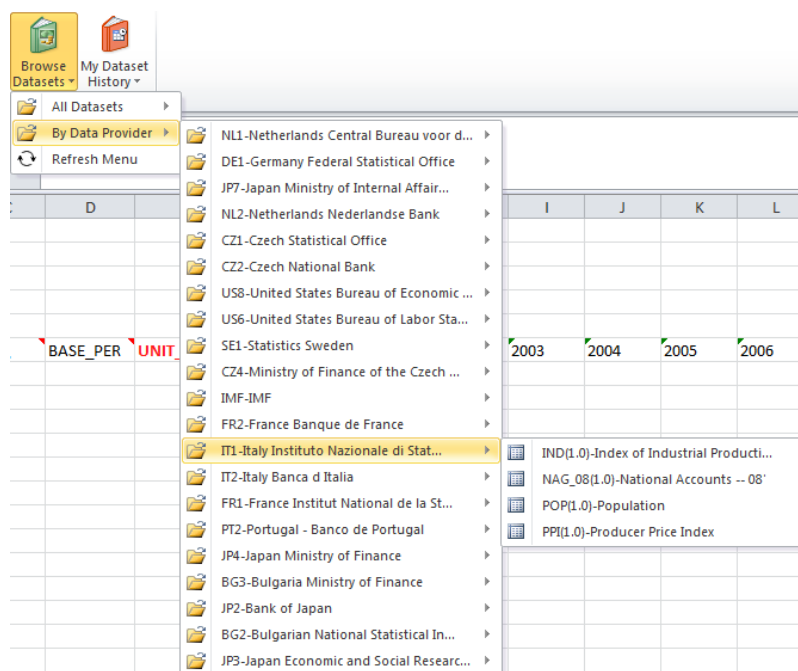
Figure 1 showing the FusionXL Ribbon in Data Explorer mode

To use FusionXL for browsing data, ensure a connection has been set up to the required Fusion Registry server, in the above image the server used is IMF SDMX Central. The Connection mode must be set to 'Data Explorer' as shown in the Connection section in the above image.

For more details on setting up connections, please read the setup guide.

2 Browsing Datasets

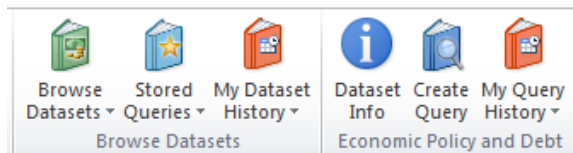
Once connected to a Fusion Registry that has data, it is possible to browse the datasets. The browse button presents a drop down of all datasets by Agency, or datasets grouped by category. Both are shown below:



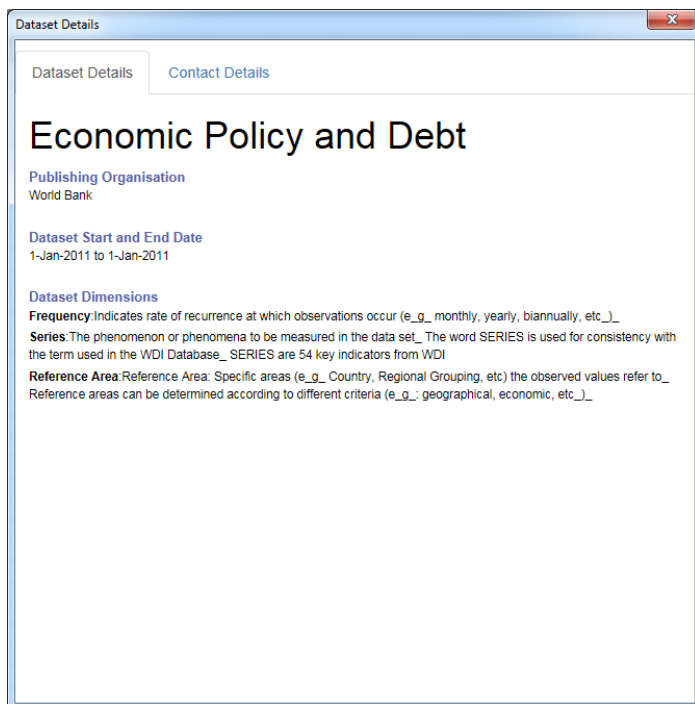
Grouped by Category

On selecting a dataset it is possible to find out more information, create a query, or view the recent query history against this dataset.





Clicking Dataset Info will open a window showing information about the dataset. This information and number of tabs available will be based on whether there are any contacts defined for the Agency that owns the data. In addition, any Reference Metadata stored against this dataset will be presented on this dialog.



3 Creating a Query

To create a data query, simply click create query to open a query builder window. It is possible to make as many selections as you wish. No selections for a given dimension indicates no filters (i.e get everything). By making no selections, the entire dataset will be returned.

The Run Query button will only become enabled if the number of series is less than 10,000.

Data Query Builder

Dataflow Name: Economic Policy and Debt

Data Start Date: 1995-01-01 Data End Date: 2012-01-01

Series Reference Area

Balance of payment:

Capital & financial account:

- ☐ [BN_KLT_DINV_CD] Foreign direct investment, net (BoP, current US\$)
- ☐ [BX_KLT_DINV_WD_GD_ZS] Foreign direct investment, net inflows (% of GDP)
- ☐ [BX_KLT_DINV_CD_WD] Foreign direct investment, net inflows (BoP, current US\$)
- ☐ [BM_KLT_DINV_GD_ZS] Foreign direct investment, net outflows (% of GDP)
- ☐ [BN_TRF_KOGT_CD] Net capital account (BoP, current US\$)
- ☐ [BN_KAC_EOMS_CD] Net errors and omissions (BoP, current US\$)
- ☐ [BN_FIN_TOTL_CD] Net financial account (BoP, current US\$)
- ☐ [BN_KLT_PTXL_CD] Portfolio Investment, net (BoP, current US\$)
- ☐ [BX_PEF_TOTL_CD_WD] Portfolio equity, net inflows (BoP, current US\$)
- ☐ [BX_KLT_DREM_CD_DT] Primary income on FDI (current US\$)
- ☐ [BN_RES_INCL_CD] Reserves and related items (BoP, current US\$)

Current account:

Balances:

- ☒ [BN_CAB_XOKA_CD] Current account balance (BoP, current US\$)
- ☐ [BN_CAB_XOKA_GD_ZS] Current account balance (% of GDP)
- ☐ [BN_GSR_GNFS_CD] Net trade in goods and services (BoP, current US\$)

Last N' Obs: Date From: Date To: Updated After:

Note: Dates can be in format YYYY, YYYY-MM, YYYY-MM-DD, or YYYY-MM-DDTHH:MM.SS

Number of Matching Series: 27 Observations Estimate: 486

Run Query

Each time a filter is selected, filters in other dimensions may be disabled. If a filter is disabled it means that there is no data for that selection, in the context of the current data query. Making more selections, or removing some existing selections, may change the state of a filter from disabled to enabled.

Series Reference Area

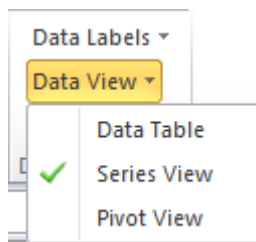
- ☐ [ASM] American Samoa
- ☒ [AUS] Australia
- ☐ [BRN] Brunei Darussalam
- ☐ [CHN] China
- ☐ [FJI] Fiji
- ☐ [FSM] Micronesia, Fed_Sts_
- ☐ [GUM] Guam

On clicking 'Run Query' the Fusion Registry will be queried, and will retrieve the data from the known data source(s). The result will be put in the current worksheet



| A1 | | Series Key | | | | | | | | | |
|----|------------|------------|------------|-----------|----------|----------|----------|----------|----------|----------|----------|
| | A | B | C | D | E | F | G | H | I | J | K |
| 1 | Series Key | Frequency | Series | Reference | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| 2 | A:BN_CAE | Annual | Current ac | Australia | -4.2E+10 | -4.1E+10 | -5.9E+10 | -4.8E+10 | -4.5E+10 | -3.7E+10 | -3.4E+10 |
| 3 | A:BN_CAE | Annual | Current ac | Brunei Da | 4.03E+09 | 5.23E+09 | 4.83E+09 | 6.94E+09 | 3.98E+09 | | |
| 4 | A:BN_CAE | Annual | Current ac | China | 1.32E+11 | 2.32E+11 | 3.53E+11 | 4.21E+11 | 2.43E+11 | 2.38E+11 | 2.02E+11 |
| 5 | A:BN_CAE | Annual | Current ac | Fiji | -2.6E+08 | -5.4E+08 | -4.4E+08 | -6.5E+08 | -2.2E+08 | -3.6E+08 | |
| 6 | A:BN_CAE | Annual | Current ac | Hong Kong | 2.16E+10 | 2.46E+10 | 2.76E+10 | 3.29E+10 | 2.03E+10 | 1.5E+10 | 1.41E+10 |
| 7 | A:BN_CAE | Annual | Current ac | Indonesia | 2.78E+08 | 1.09E+10 | 1.05E+10 | 1.25E+08 | 1.06E+10 | 5.14E+09 | 2.07E+09 |
| 8 | A:BN_CAE | Annual | Current ac | Japan | 1.66E+11 | 1.71E+11 | 2.12E+11 | 1.59E+11 | 1.47E+11 | 2.04E+11 | 1.19E+11 |
| 9 | A:BN_CAE | Annual | Current ac | Cambodia | -3.1E+08 | -2.3E+08 | -4.2E+08 | -8.2E+08 | -7.8E+08 | -7.7E+08 | -7.1E+08 |

It is possible to switch a view to time series, in the 'Dataset Options' group



On switching view, the worksheet will be updated to present the data in the chosen form. Series view displays the data in a time series, where each series has a unique key, and a small 'sparkline' chart above each series. This is shown in row 7 in the image below.

| | A | B | C | D | E | F | G | H |
|----|------------|------------|------------|------------|------------|------------|------------|------------|
| 1 | | Annual | Annual | Annual | Annual | Annual | Annual | Annual |
| 2 | | Current ac | Current ac | Current ac | Current ac | Current ac | Current ac | Current ac |
| 3 | | Australia | Brunei Da | China | Fiji | Hong Kong | Indonesia | Japan |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | A:BN_CAE | A:BN_CAE | A:BN_CAE | A:BN_CAE | A:BN_CAE | A:BN_CAE | A:BN_CAE |
| 7 | | | | | | | | |
| 8 | 2005-12-31 | -4.2E+10 | 4.03E+09 | 1.32E+11 | -2.6E+08 | 2.16E+10 | 2.78E+08 | 1.66E+11 |
| 9 | 2006-12-31 | -4.1E+10 | 5.23E+09 | 2.32E+11 | -5.4E+08 | 2.46E+10 | 1.09E+10 | 1.71E+11 |
| 10 | 2007-12-31 | -5.9E+10 | 4.83E+09 | 3.53E+11 | -4.4E+08 | 2.76E+10 | 1.05E+10 | 2.12E+11 |
| 11 | 2008-12-31 | -4.8E+10 | 6.94E+09 | 4.21E+11 | -6.5E+08 | 3.29E+10 | 1.25E+08 | 1.59E+11 |
| 12 | 2009-12-31 | -4.5E+10 | 3.98E+09 | 2.43E+11 | -2.2E+08 | 2.03E+10 | 1.06E+10 | 1.47E+11 |
| 13 | 2010-12-31 | -3.7E+10 | | 2.38E+11 | -3.6E+08 | 1.5E+10 | 5.14E+09 | 2.04E+11 |
| 14 | 2011-12-31 | -3.4E+10 | | 2.02E+11 | | 1.41E+10 | 2.07E+09 | 1.19E+11 |

It is also possible to switch to a Pivot view. Pivot view rebuilds the dataset as a hierarchical view which allows the use of the Excel inbuilt PivotTable controls.



Book1 - Microsoft Excel non-commercial use

PivotTable Tools: Options, Design

File Home Insert Page Layout Formulas Data Review View Developer Acrobat FusionXL

PivotTable Active Field Group Sort Insert Slicer Refresh Change Data Source Calculations PivotChart OLAP Tools What-If Analysis Field List +/- Buttons Field Headers Show

D9 27554630254.0676

| | A | B | C | D | E | F | G |
|----|---------------|--------|----------------|--------------|---|---|---|
| 1 | Sum of Values | | | | | | |
| 2 | Date | Series | Reference Area | Total | | | |
| 3 | 2005-12-31 | | | 3.35819E+11 | | | |
| 4 | 2006-12-31 | | | 4.79772E+11 | | | |
| 5 | 2007-12-31 | BN_CAB | AUS | -59091496339 | | | |
| 6 | | | BRN | 4828377152 | | | |
| 7 | | | CHN | 3.53183E+11 | | | |
| 8 | | | FJI | -436157228.8 | | | |
| 9 | | | HKG | 27554630254 | | | |
| 10 | | | IDN | 10492590000 | | | |
| 11 | | | JPN | 2.11685E+11 | | | |
| 12 | | | KHM | -423329899.8 | | | |
| 13 | | | KOR | 21769700000 | | | |
| 14 | | | LAO | 139406173.6 | | | |
| 15 | | | MAC | 4306018920 | | | |
| 16 | | | MMR | 1380740925 | | | |
| 17 | | | MNG | 171801840 | | | |
| 18 | | | MYS | 29770093208 | | | |
| 19 | | | NCL | -293993593.9 | | | |
| 20 | | | NZL | -10871381270 | | | |
| 21 | | | PHL | 7112000000 | | | |
| 22 | | | PNG | 56317208.64 | | | |
| 23 | | | PYF | 271365381.5 | | | |
| 24 | | | SGP | 45837916265 | | | |
| 25 | | | SLB | -80933722.42 | | | |

PivotTable Field List

Choose fields to add to report:

- ☒ Date
- ☒ Series
- ☒ Reference Area
- ☒ Values

Drag fields between areas below:

Report Filter: [Empty]

Column Labels: [Empty]

Row Labels: Date, Series, Reference Area

Values: Sum of Values

Defer Layout Update: [X] Update

