



# Refinitiv – Eikon training

Hanken School of Economics

13 February 2020

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# AGENDA

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## Eikon navigation

- Indices, Company Overview and Financials
- Screening Public and Private Equities
- Foreign Exchange – Rates, Polls
- Screening Bonds (Government and Corporate Bonds)
- Company Sustainability

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## Eikon Excel

- Real-Time and Fundamental Data vs. Time Series
- Cell referencing and templates

## Datastream

- Macroeconomics data search
- Metadata vs. Time Series Data
- Create Static vs. Time Series Request
- Create a Time Series List Request
- MATH – Functions & Expressions
- User Created Indices (UCI)
- Charting your own index on Datastream Chart



# Eikon

Basic navigation and data search



# Indices

Home -> Asset Classes -> Equities -> Indices

- Search the index directly in Eikon by typing the Index name in the search box
- Find the constituents and export to excel

**INDEX CONSTITUENTS ANALYSIS** - Summary Report, USD, Consolidated RICs

Report: Summary | Currency: USD | Consolidated RICs: ☒

**SUMMARY REPORT**

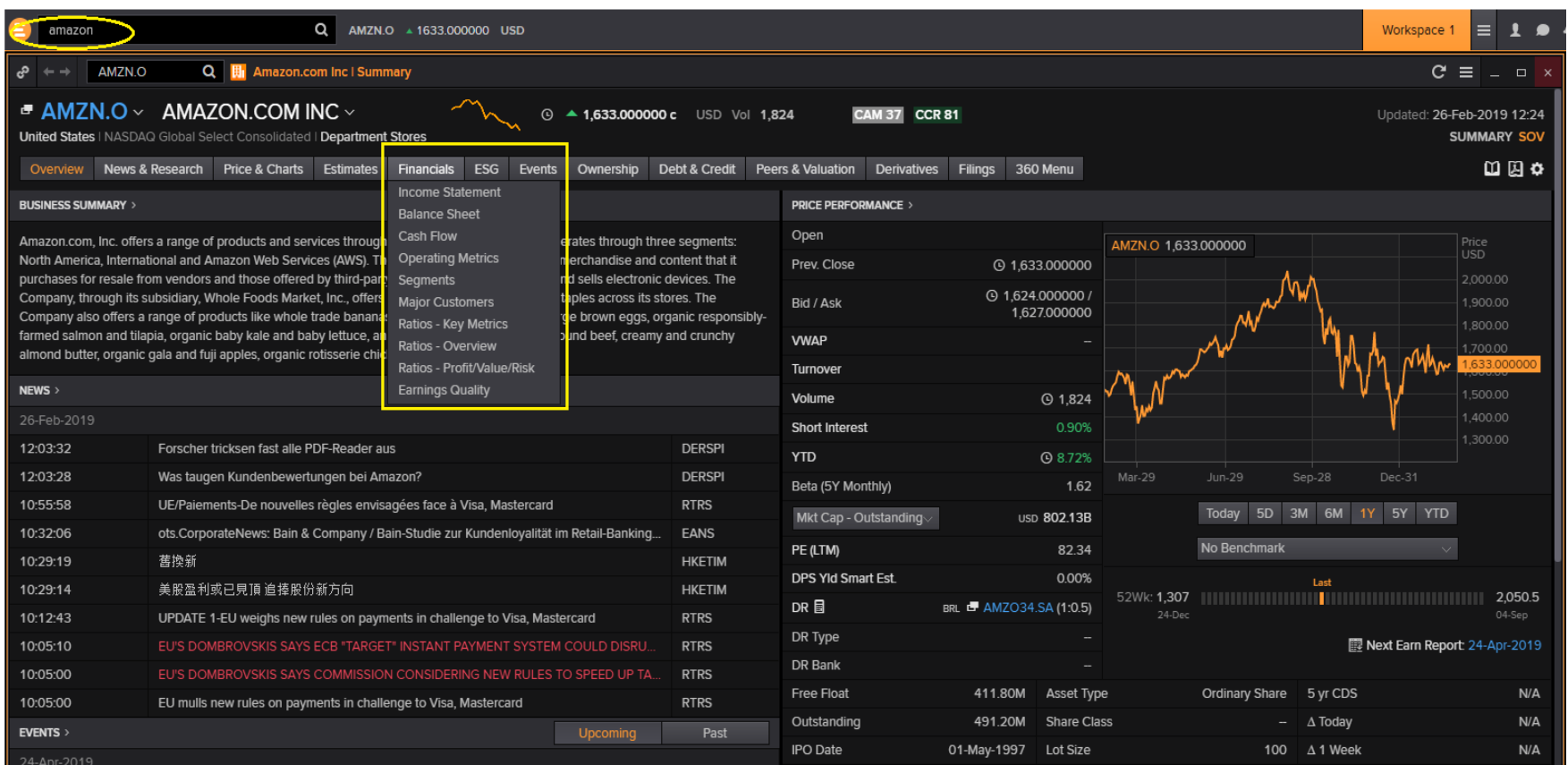
1 - 125 of 505 | [Create List](#)

Name	Display RIC	Last	PE	Est. PE	EPS Ccy	DPS Ccy	Div. Yld (%)	ROE (%)	P/Book	P/Sales	Weight %	Mcaps
S&P 500 Index		3,357.75 c	23.62	19.06	--	--	2.22	--	3.52	--	100.00	29.34T
Microsoft Corp		184.44 c	38.86	32.50	4.75 USD	2.04 USD	1.11	+39.77	13.71	11.15	5.06	1.40T
Apple Inc		319.610000 c	26.89	23.02	11.89 USD	3.08 USD	0.96	+55.92	15.45	5.38	4.80	1.40T
Amazon.com Inc		2,150.800000 c	93.55	75.93	22.99 USD	--	--	+21.95	17.25	3.82	3.22	1.07T
Alphabet Inc		1,510.060000 c	30.72	27.99	49.16 USD	--	--	+18.12	5.15	6.41	1.63	1.04T
Alphabet Inc		1,508.790000 c	30.72	27.95	49.16 USD	--	--	+18.12	5.15	6.41	1.62	1.04T
Facebook Inc		207.190000 c	32.24	22.67	6.43 USD	--	--	+19.96	5.84	8.35	1.79	590.58B
Berkshire Hathaway Inc		227.330000 c	150.62	21.84	2,262.45 USD	--	--	+1.07	1.59	2.24	1.60	555.68B
Visa Inc		203.940000 c	38.36	33.20	5.32 USD	1.20 USD	0.59	+35.17	12.63	19.07	1.25	438.13B
JPMorgan Chase & Co		138.000000 c	12.87	12.72	10.72 USD	3.60 USD	2.61	--	1.66	3.74	1.56	432.83B
Johnson & Johnson		151.990000 c	26.99	16.81	5.63 USD	3.80 USD	2.50	--	--	4.87	1.44	400.02B
Mastercard Inc		330.920000 c	41.66	36.69	7.94 USD	1.60 USD	0.48	+143.83	56.01	19.55	1.06	330.08B
Walmart Inc		115.400000 c	47.79	23.08	2.41 USD	2.12 USD	1.84	+9.46	4.52	0.64	0.59	327.41B
Bank of America Corp		34.770000 c	12.63	11.40	2.75 USD	0.72 USD	2.07	--	1.18	3.43	1.01	312.76B
Procter & Gamble Co		124.160000 c	80.91	24.83	1.53 USD	2.98 USD	2.40	+7.83	6.50	4.53	1.11	306.61B
Intel Corp		67.410000 c	14.33	13.48	4.71 USD	1.32 USD	1.96	+27.68	3.72	4.01	1.05	288.31B
AT&T Inc		38.170000 c	20.17	10.54	1.89 USD	2.08 USD	5.45	+7.55	1.51	1.54	1.00	278.83B

# Company Overview and Financials

(Company Name search)

- Type the company name in the search box and Enter
- Financials and Estimates available in the [Company Overview](#) page



# Screening Public and Private Equities

## SCREENER

- Define your Universe and use filters to narrow your search
- Create your list and export to [Excel](#), [Monitor](#) or [PDF](#)

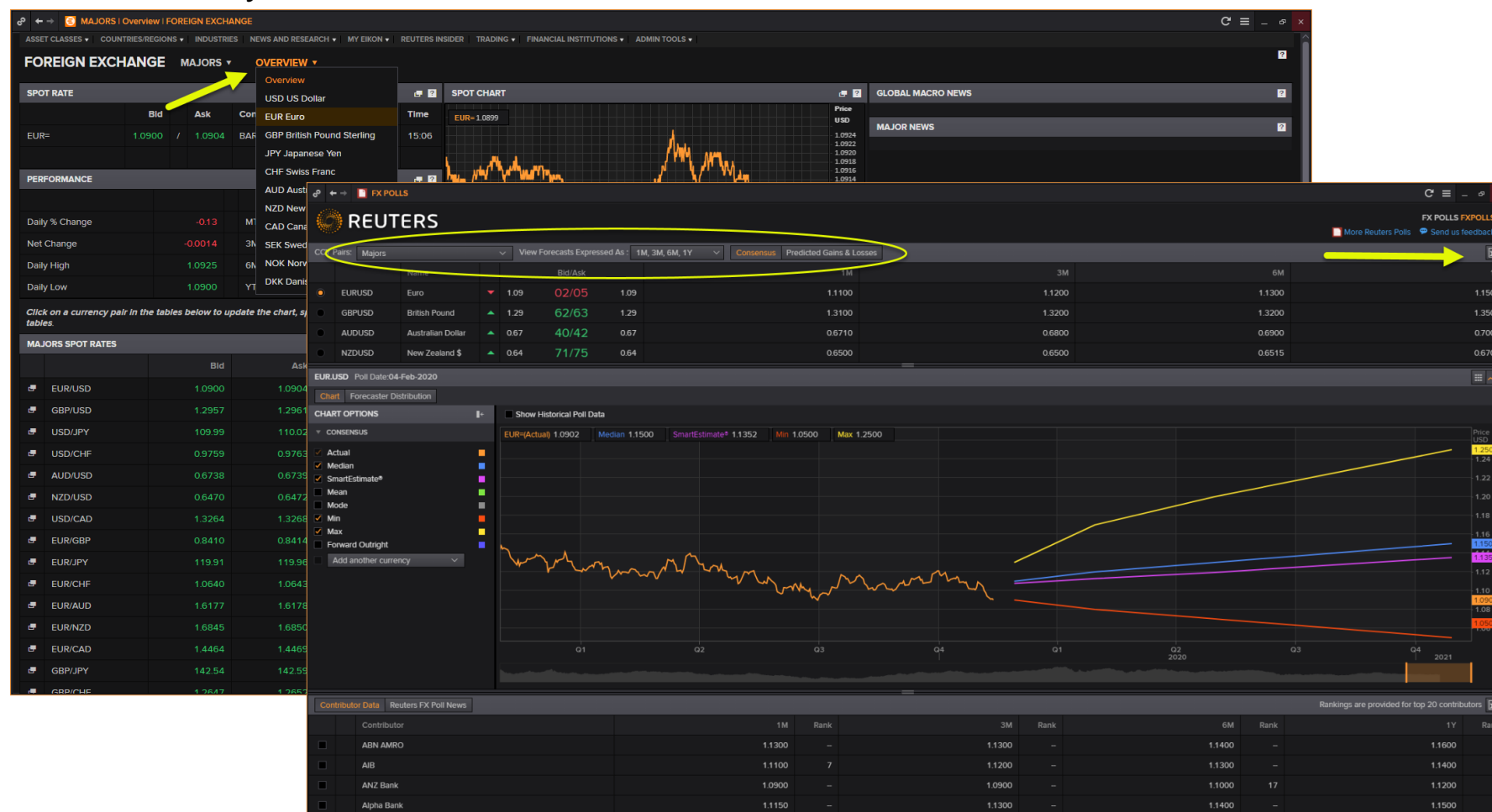
The screenshot shows the Refinitiv Screener interface. The top bar displays the 'SCREENER' logo, a search bar, and the current stock price for SEBa.ST at 93.66, up 0.1000 (+0.11%) in SEK. The main interface is divided into a left sidebar for filters and a main table of results. The sidebar includes sections for 'Unsaved Screen', 'Universe' (Public Companies, 65.4K), 'Include' (Active, Public, Primary), 'Exclude' (None), 'QUICK FILTERS' (Country of Exchange, Country of Incorporation, Average Daily Value Traded - 52 Weeks, TRBC Economic Sector Name, GICS Sector Name), and 'Add Filter'. The main table displays a list of banks with columns for Identifier (RIC), Company Name, Country of Headquarters, Company Market Cap (EUR), and TRBC Industry Name. The table is sorted by Market Cap in descending order. A yellow box highlights the filter sidebar, and a yellow circle highlights the 'Add Column' button in the top bar.

Identifier (RIC)	Company Name	Country of Headquarters	Company Market Cap (EUR)	TRBC Industry Name
NDAFLHE	Nordea Bank Abp	Finland	31,404,842,880.49	Banks
DNB.OL	DNB ASA	Norway	26,636,221,426.59	Banks
SEBa.ST	Skandinaviska Enskilda Banken AB	Sweden	19,352,495,134.59	Banks
SHBa.ST	Svenska Handelsbanken AB	Sweden	19,163,015,336.46	Banks
SWEDa.ST	Swedbank AB	Sweden	18,496,429,029.81	Banks
DANSKE.CO	Danske Bank A/S	Denmark	15,027,909,139.76	Banks
AKER.OL	Aker ASA	Norway	4,821,587,586.87	Investment Management & Fund Operators
SIM.CO	Simcorp A/S	Denmark	3,163,613,101.60	Financial & Commodity Market Operators & S...
JYSK.CO	Jyske Bank A/S	Denmark	2,904,118,880.08	Banks
SRBANK.OL	Sparebank 1 SR Bank ASA	Norway	2,504,457,339.73	Banks
RILBA.CO	Ringkjøbing Landbobank A/S	Denmark	1,498,666,641.60	Banks
NOFI.OL	Norwegian Finans Holding ASA	Norway	1,426,523,595.85	Banks
SYDB.CO	Sydbank A/S	Denmark	1,374,914,107.16	Banks
MING.OL	Sparebank 1 SMN	Norway	1,231,574,148.16	Banks
AVANZ.ST	Avanza Bank Holding AB	Sweden	1,158,738,662.19	Investment Banking & Brokerage Services

# Foreign Exchange Rates and Polls

## FXG & FXPOLLS

- Navigate through the pages using the tabs and dropdown options; pop-out for real-time monitoring
- FXPOLLS provide monthly market sentiment for 1M, 3M, 6M & 1Y



# Bond, Fund, M&A Screening

## ADVANCED SEARCH (SRCH)

- Define your Universe and use filters to narrow your search
- Create your list and export to [Excel](#) or [Monitor](#)

**ADVANCED SEARCH**

UNIVERSE: Government and Corporate Bonds

SEARCH: Government and Corporate Bonds

Include: Equities, Funds, Indices, Equity & Index Derivatives, Companies/Issuers, Commodities, FX & Money, Benchmarks & Curves

QUICK FILTERS

Issuer, Market Code, Coupon, Maturity, Ratings

Add filter

Advanced Syntax, Counts

**RESULTS (879 488)**

Add / Remove Columns, Group

Issuer	Ticker	Coupon	Maturity	Issue Date	ISIN	Preferred RIC	Principal Currency
Canadian Pacific Railway Ltd	CP	4,0000		04/01/1972	US136447AW96	136447AW9=	US Dollar
United Airlines Series 1993-B Pass Through Tr...	UAPTB	8,3100		24/11/1993	US90928RAA86	90928RAA8=	US Dollar
Connecticut Light and Power Co	ESNTL	4,0800		01/12/1988	US2075974020	207597402=	US Dollar
BBVA Capital Funding Ltd	BVACF	7,2000		20/04/1998	KYG04610AB02	ES008593957=	US Dollar
Barclays Bank PLC	BARCR	5,0300		27/02/1998	XS0083197235	GB008319723=	Japanese Yen
Lloyds Bank PLC	LLOYOD	8,0000		29/09/1997	XS0079927850	GB007992785=	British Pound
Bank of Scotland PLC	LLOYBS	7,3750		10/02/1998	XS0083932144	GB008393214=	British Pound
National Westminster Bank PLC	NWB	2,0625		09/07/1985	GB0006267073	GB001040421=	US Dollar
National Westminster Bank PLC	NWB	2,3125		09/07/1985	GB0006267180	GB001040499=	US Dollar
National Westminster Bank PLC	NWB	11,5000		17/12/1992	XS0041078535	GB004107853=	British Pound
Poniard Pharms	PARD	9,7500		27/04/1990	US7324492021	732449202=	US Dollar
Societe Generale SA	SOGN	0,5100		01/07/1985	FR0000585564	FR0000585564=	Euro
HSBC France SA	HSBASR	0,8850		22/07/1985	FR0000585333	FR0000585333=	Euro
BNP Paribas SA	BNP	0,5542		07/10/1985	FR0000572646	FR0000572646=	Euro
Credit Industriel et Commercial SA	CAFDMC	3,5775		20/07/1987	FR0000584377	FR0000584377=	Euro
Credit Industriel et Commercial SA	CAFDMC	3,6300		26/12/1990	FR0000165847	FR0000165847=	Euro
Barclays Bank PLC	BARCR	5,0000		29/05/1998	XS0087232905	GB008723290=	Japanese Yen
HSBC Bank PLC	HSBABB	2,1875		24/05/1985	GB0005902332	GB001040286=	US Dollar
Lloyds Bank PLC	LLOYOD	2,4375		07/06/1985	GB0005224307	GB001033522=	US Dollar
Bank of Scotland PLC	LLOYBS	2,1875		14/11/1985	GB0000765403	GB001011782=	US Dollar



# ESG and Company Sustainability

## SUSTAINABILITY LEADERSHIP MONITOR (SLM)

- Type the company name to see a snapshot in the Bullseye screen
- Navigate through the 4 pillars of sustainability by clicking each indicator





# Eikon - Excel

Data retrieval using the Eikon's Formula Builder



# Eikon Excel

## Real-Time and Fundamental Data

- Type the instrument name in the **Instruments** box and Enter
- Choose **Real-Time & Fundamental** and select the data item from the options or type it
- Pay attention to the **Description** area

The screenshot displays the Thomson Reuters Eikon - Microsoft Office | Formula Builder interface. The top ribbon includes tabs for Home, Insert, Page Layout, Formulas, Data, Review, View, Jive, Thomson Reuters, and Thomson Reuters Datastream. The 'Instruments' box contains 'AMZN.O'. The 'DATA ITEMS' tab is selected, showing a list of categories on the left and a list of fields in the center. The 'Description' tab is selected on the right, showing the details for the 'Close' field. Red circles highlight the 'fx' button in the top ribbon, the 'DATA ITEMS' tab, the 'Real Time (85)' category, the 'I/B/E/S Estimates (79)' category, and the 'Description' tab.

Category	Fields	Description
Top Matches (20)	Price Close	Close
Real Time (85)	Close	CF_CLOSE
Price & Volume (196)	Close	1633 (AMZN.O)
Reuters Fundamentals (10)	Price Close	Definition:
Period End Ratios (80)	Close Price	the last trade price, settlement value or closing value.
Time Series Ratios (17)	Close Ask Spread	FieldID: 5360
I/B/E/S Estimates (79)	Close Bid Spread	
StarMine Models & Analytics (4)	Close Yield	
Corporate Actions (1)	Official Close Price	
Mergers and Acquisitions (3)	America Close Ask Price	
Equity Index Information (1)	America Close Bid Price	

# Eikon Excel

## Retrieving Fundamental Data – Time Series

- Use the **Parameters & Quick Functions** tab
- Check the **Series** box and define your date range

The screenshot displays the Thomson Reuters Eikon Formula Builder window. The 'Instruments' field is set to 'AMZN.O'. The 'DATA ITEMS' section on the left shows a tree structure with 'Price Performance (185)' selected. The 'Fields' list on the right includes 'Total Return', which is highlighted. The 'Parameters & Quick Functions' tab is active, showing the 'Series' checkbox checked. The date range is defined with 'From' as '2018-02-01' and 'To' as '-1AW'. The 'Frequency' is set to 'D' and the 'Output' is 'value'. The 'Selected Items' section at the bottom shows 'TR.TotalReturn' and the formula bar contains the formula: `=TR("AMZN.O","TR.TotalReturn","Frq=D SDate=2018-02-01 EDate=-1AW CH=Fd RH=IN",B2)`. The bottom of the window has buttons for 'Layout', 'Update Frequency', 'Add data fields as cell references', 'Consolidate Formulas', 'Cancel', and 'Insert'.

# Eikon Excel

## Time Series or Historical Data

- Type the instrument name in the **Instruments** box and Enter
- Choose **Time Series** and select the data item from the options or type
- Define your **Parameters and Quick Functions**

Thomson Reuters Eikon - Microsoft Office | Formule Builder

Instruments: **AMZN.O** Search Instruments

DATA ITEMS **ASK** Interval: **Daily** Search Data Items

Category: Common (5) Ask (7) Bid (7) Block volume (2) Month to date gross total return (2) Net asset value (2) Nda\_raw (29) Quarter to date gross total return (2) Trade price (7) Turnover (2) 1 day gross total return (2) 1 month gross total return (2) 1 week gross total return (2)

Fields: Close Count High Low Open Timestamp Volume

Add All (7)

Parameters & Quick Functions

Parameters:

Start	01-Jan-2009
End	
RT Feed	IDN
Time Zone	USER
Number of Rows	25
Trading Hours Only	NO
TS Repeat	YES
Adjusted	YES
Sorting Order	DESC
NULL	
Day	

Selected Items: **ASK.Timestamp** **ASK.Close** Drag to Reorder Clear All

=RHistory("AMZN.O","ASK.Timestamp; ASK.Close","START:01-Jan-2009 INTERVAL:1D","CH:Fd",C4)

Layout Update Frequency Add data fields as cell references Consolidate Formulas Cancel Insert



# Datastream

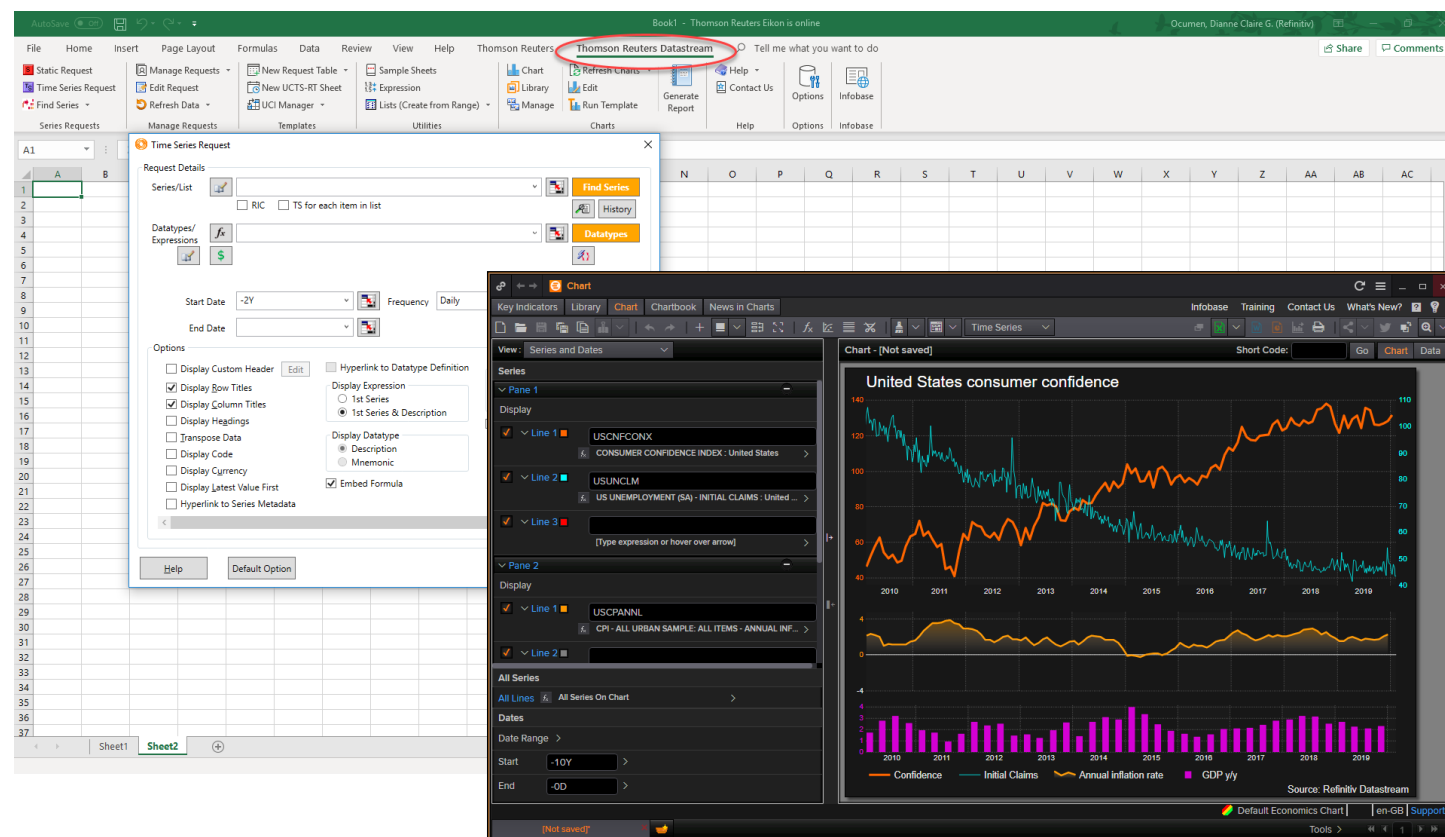
**Access the world's largest time series database**



# Refinitiv Datastream

## Static or Time Series Data

- *Macroeconomics data search*
- *Metadata vs. Time Series Data*
- *Create Static vs. Time Series Request*
- *Create a Time Series List Request*
- *MATH – Functions & Expressions*
- *User Created Indices (UCI)*
- *Charting your own index on Datastream Chart*



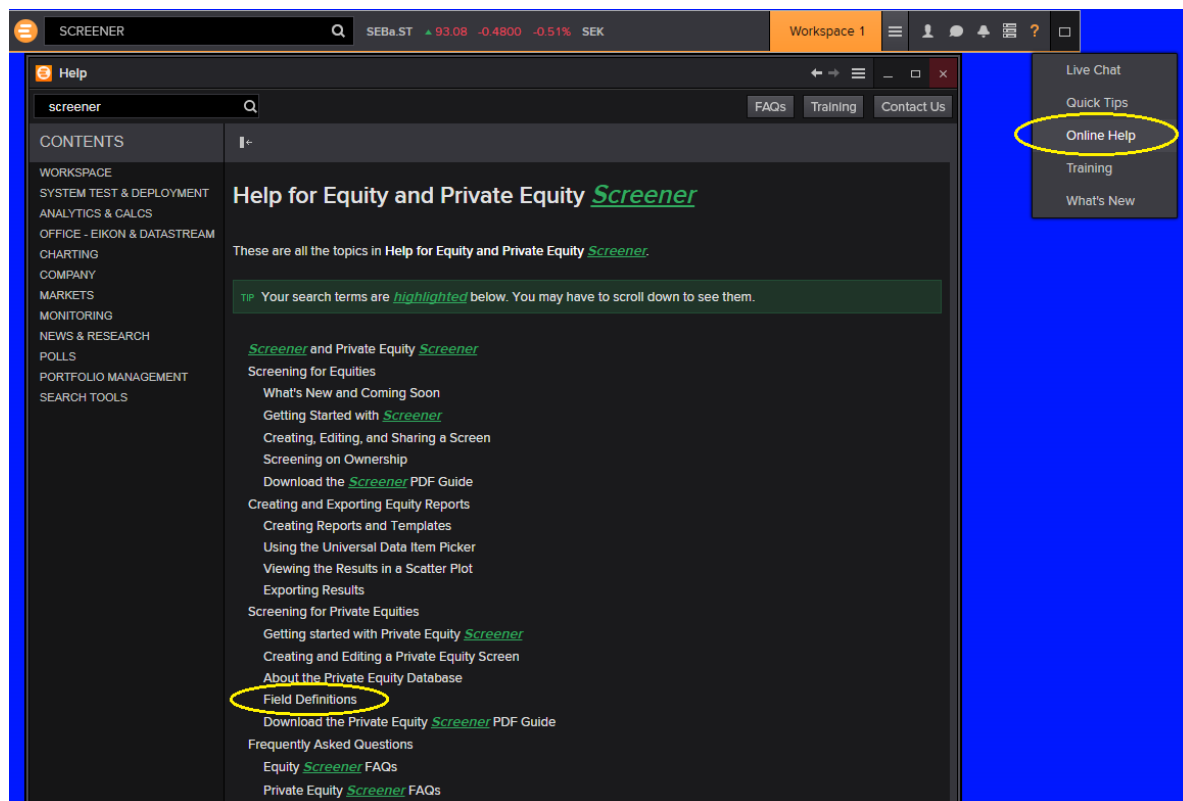
# Questions?



# Questions?

App guides and training videos available within Eikon

- Online Help
- Training Videos



## Eikon Data API

- Create scripts and analyse data using Python scripting and Jupyter Notebooks
- More info found here:

<https://developers.refinitiv.com/eikon-apis/eikon-web-and-scripting-apis>

# Thank you